

February 18, 2021

Mr. Scott Deyette
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, New York 12233-7014

**RE: National Grid Former Manufactured Gas Plant Site
14 Hancock Street, Fort Plain, New York
Semi-Annual Groundwater Monitoring Report**

Dear Mr. Deyette:

Enclosed for your review is the Semi-Annual Groundwater Monitoring Report for the National Grid Fort Plain Former MGP Site, for the second half of 2020.

Groundwater and Environmental Services, Inc., (GES) OM&M contractor for National Grid, conducts all long-term OM&M activities at the site. Quarterly site inspections were conducted in July and October during the second half of 2020. The site is generally in good shape and in compliance. There were no detections in the groundwater samples collected from monitoring wells MW-2 (immediately downgradient of the former gas holder), MW-8 (immediately Northeast of the Route 5S Diner), and MW-9 (immediately downgradient of State Street). There were BTEX and/or PAH detections in monitoring wells EW-1 (former southern gas holder), MW-3, MW-7 (Diner parking lot), MW-10 (Diner parking lot), and MW-12 (immediately Northeast of the former holder).

If you have any questions, then please feel free to contact me at 315.428.5652.

Very truly yours,



for SPS

Steven P. Stucker, C.P.G.
Lead Environmental Engineer
National Grid

Cc: Devin T. Shay – Groundwater and Environmental Services, Inc.

National Grid

Semi-Annual Groundwater Monitoring Report



National Grid Fort Plain, Former MGP Site
14 Hancock Street, Fort Plain, New York 13339
NYSDEC Site No. 4-29-007

February 2021

Version 1



Semi-Annual Groundwater Monitoring Report

National Grid Fort Plain, Former MGP Site
14 Hancock Street
Fort Plain, NY 13339

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February 18, 2021



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1 Introduction

This Semi-Annual Groundwater Monitoring Report presents results from the activities conducted at the Fort Plain former manufactured gas plant (MGP) site (the site) located in Fort Plain, New York (the Site). A site map is presented on Figure 1. All activities summarized in this report are conducted in accordance with the Site Management Plan (SMP) for the site, completed by Arcadis and submitted to the New York State Department of Environmental Conservation (NYSDEC) on December 31, 2012.

A detailed discussion of the semi-annual monitoring activities and results is presented below.

2 Semi-Annual Groundwater Monitoring

2.1 Objectives

The objectives of the October 2020 groundwater monitoring activities were to:

- Obtain groundwater elevation data from monitoring wells in the vicinity of the site to evaluate groundwater flow direction and velocity, and compare the results with historical groundwater flow conditions.
- Obtain analytical data to assess potential changes in groundwater quality at the site and compare the results to the Class GA groundwater standards and guidance values presented in the NYSDEC document entitled, "Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1), reissued June 1998 and addended April 2000 and June 2004.

2.2 Groundwater Well Gauging

The October 14, 2020 groundwater monitoring field activities were conducted by GES. Prior to collecting groundwater samples, static fluid level measurements were collected from MW-2, MW-3, MW-7, MW-8, MW-9, MW-10, MW-12, and EW-1. Water levels were measured to the nearest 0.01 foot using an electronic oil-water interface probe to determine the depth from a surveyed mark on the top of the inner polyvinyl chloride (PVC) well casing to the groundwater within the well.

The fluid level measurements obtained from each monitoring well were converted to groundwater elevations using the surveyed well elevations. The calculated groundwater elevations for each monitoring well are listed in Table 1. Table 1 also includes groundwater elevation measurements obtained during previous groundwater monitoring events. A shallow groundwater potentiometric surface contour map developed based on the groundwater elevation measurements taken on October 14, 2020, is included on Figure 2.

Groundwater generally flows to the northeast from the Site toward the Route 5S Diner. Groundwater elevations ranged from 293.09 feet above sea level (asl; well MW-8) to 319.00 feet asl (well EW-1). Field data from the gauging event is presented in Appendix A.

2.3 Groundwater Well Sampling and Analytical Results

Groundwater samples were collected by GES from eight monitoring wells on October 14, 2020 (including MW-2, MW-3, MW-7, MW-8, MW-9, MW-10, MW-12, and EW-1). Low-flow sampling techniques were used to purge groundwater from each monitoring well prior to collecting groundwater samples. Field parameters (consisting of turbidity, temperature, pH, conductivity, oxidation reduction potential [ORP], and dissolved oxygen) were measured approximately every 5 to 10 minutes during well purging, and the depth to water was monitored throughout the pumping process to minimize drawdown within the well. Well purging activities continued at each well until the field parameters stabilized and the turbidity of the water in the wells was reduced to less than 50 nephelometric turbidity units (NTUs). Groundwater field data is presented in Appendix A.

Following purging, groundwater samples were collected. The groundwater samples were bottled and shipped to Pace Analytical for laboratory analysis for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX; EPA Method 8260C), as well as Semi-Volatile Polycyclic Aromatic Hydrocarbons (PAHs; EPA Method 8270D). Quality assurance/quality control (QA/QC) samples, including a field duplicate, matrix spike, and duplicate matrix spike were also submitted for laboratory analysis. The laboratory analytical results for the groundwater samples were reported using NYSDEC Analytical Services Protocol (ASP) Category B data deliverable packages to facilitate data validation.

Purge water generated during the sampling activities was collected in 5-gallon buckets and transferred into 55-gallon steel drums for characterization prior to offsite treatment/disposal in accordance with applicable regulations.

Analytical results from the laboratory analysis report are summarized in Table 2 and compared to the Class GA groundwater standards and guidance values presented in TOGS 1.1.1. VOC exceedances are bolded on Table 2 and further shown on Figure 3. The Data Usability Summary Report (DUSR) is included in Appendix B.

There were no detections in the samples collected from monitoring wells MW-2 (immediately downgradient of the former gas holder), MW-8 (immediately Northeast of the Route 5S Diner), and MW-9 (immediately downgradient of State Street). There were BTEX and/or PAH detections in monitoring wells EW-1 (former southern gas holder), MW-3 (Northwest of the former holders), MW-7 (Diner parking lot), MW-10 (Diner parking lot), and MW-12 (immediately Northeast of the former holder). In October 2015, for the first time in seven sampling rounds, semi-volatile organic compounds (SVOCs) were detected at monitoring well MW-9; however, since then no site-related parameters have been detected. Impacts are generally within the former holder areas and below the parking area down gradient of the former holders.

3 Semi-Annual Site-Wide Inspections

The semi-annual site-wide inspections were conducted on July 30 and October 14, 2020. The Site Inspection Forms are presented in Appendix A. In general, the Site is in compliance. Site features including the groundwater monitoring wells, asphalt pavement (Route 5S Diner parking lot), security fencing/gates, gas holder retaining wall, concrete block retaining wall, former gas holder cap, and storm water drainage system were inspected.

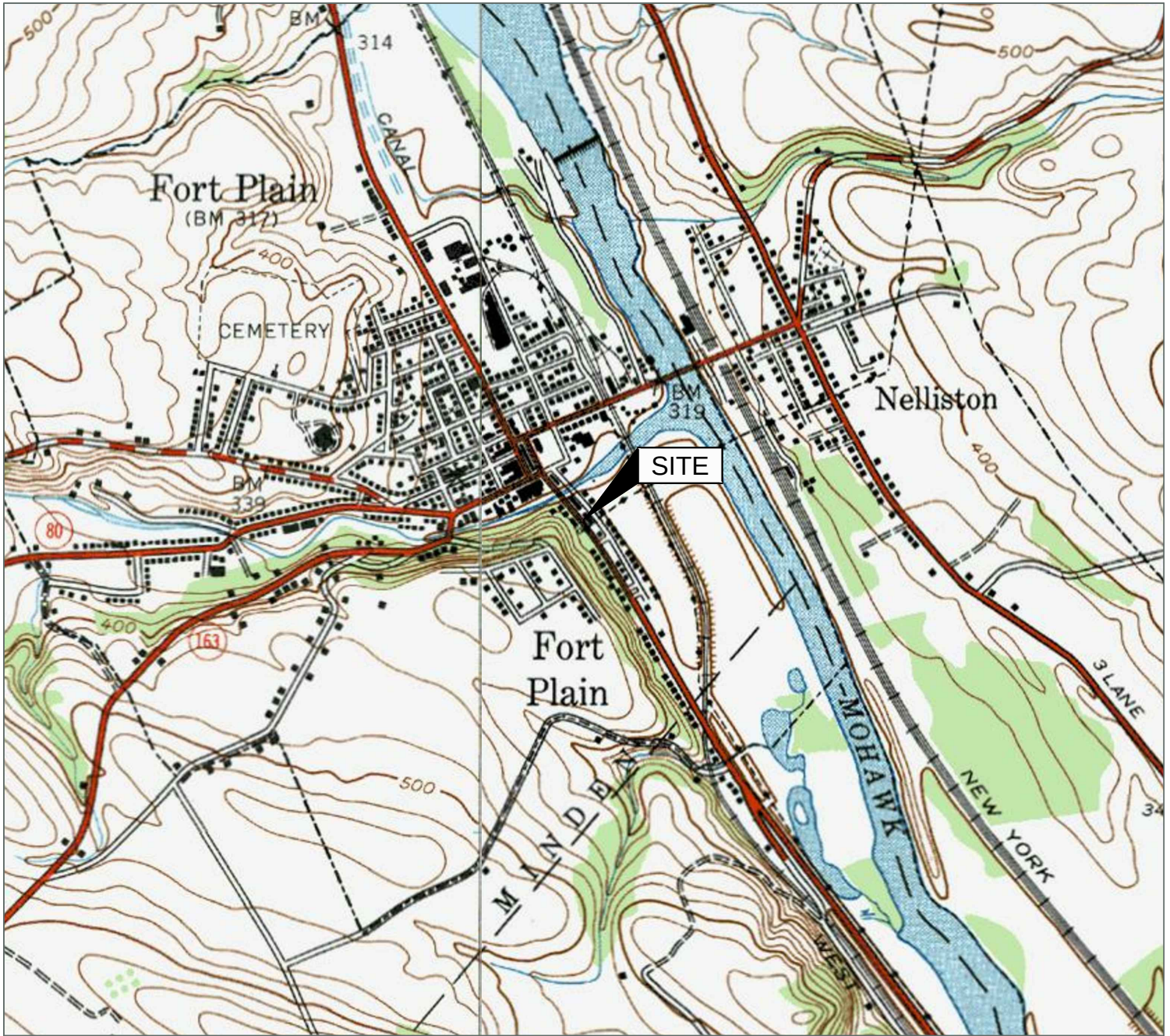
4 Recommendations

4.1 Recommendations

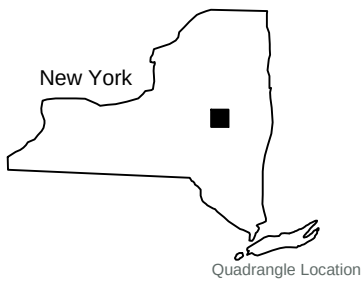
At this time, National Grid recommends continuing the semi-annual monitoring activities. The next semi-annual groundwater sampling event would be in the Spring 2021. Semi-Annual site-wide inspections are required; however, for internal security purposes, National Grid will continue to conduct quarterly site-wide inspections.



Figures



Source:
 USGS 7.5 Minute Series
 Topographic Quadrangle, 1944
 Canajohaire, New York
 Contour Interval = 20'



Site Location Map

National Grid
 Former MGP Site
 14 Hancock Street
 Fort Plain, New York

Drawn
 W.G.S.
 Designed
 Approved

Date
 12-21-17
 Figure
 1



Scale In Feet

0 2000

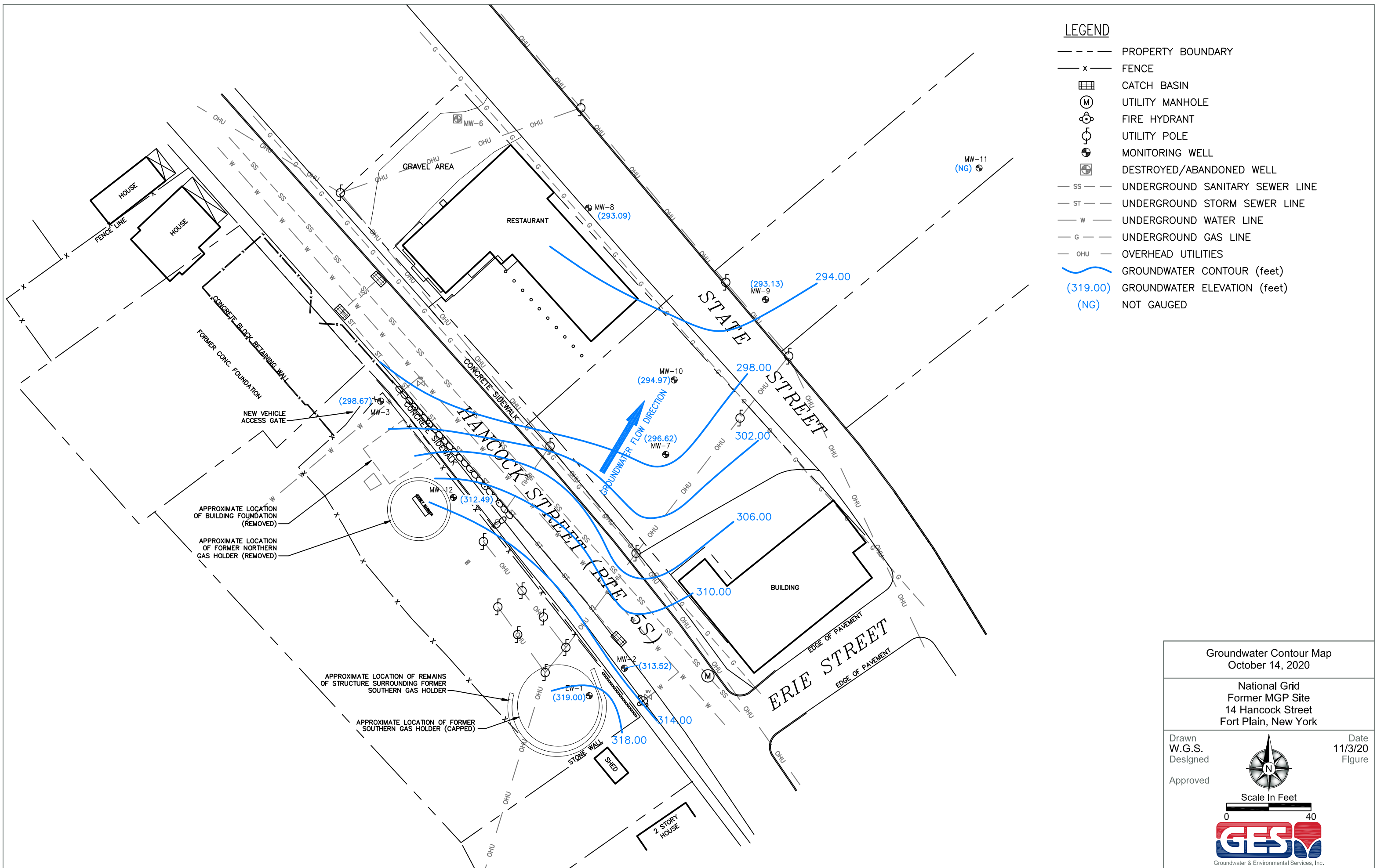


Groundwater & Environmental Services, Inc.

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Tables

Table 1
Groundwater Monitoring Well Gauging Data

Well ID	Well Type & Diameter	Top of Inner Casing Elevation	Depth To Well Bottom	Well Bottom Elevation	Screen Elevation	Depth To Water (06/08/11)	Groundwater Elevation (06/08/11)	Depth To Water (10/24/11)	Groundwater Elevation (10/24/11)	Depth To Water (04/12/12)	Groundwater Elevation (04/12/12)	Depth To Water (10/10/12)	Groundwater Elevation (10/10/12)
MW-2	Flushmount; PVC; 2-inch	317.5	17.81	299.69	309.69-299.69	4.71	312.79	4.48	313.02	4.45	313.05	6.45	311.05
MW-3	Flushmount; PVC; 2-inch	315.1	18.72	296.38	306.38-296.38	15.72	299.38	16.15	298.95	15.87	299.23	16.35	298.75
MW-7	Flushmount; PVC; 2-inch	313.1	22.72	290.38	300.38-290.38	16.45	296.65	16.52	296.58	16.50	296.60	16.47	296.63
MW-8	Flushmount; PVC; 2-inch	312.0	24.52	287.45	297.45-287.45	18.44	293.53	18.76	293.21	18.79	293.18	18.46	293.51
MW-9	Stickup; PVC; 2-inch	311.1	25.35	285.7	295.70-285.70	NM	NM	20.25	290.80	21.74	289.31	17.57	293.48
MW-10	Flushmount; PVC; 2-inch	313.2	22.92	290.28	300.28-290.28	17.75	295.45	18.37	294.83	18.65	294.55	18.08	295.12
MW-12	Flushmount; PVC; 2-inch	315.4	3.14	312.26	326.96-312.26	NM	NM	3.56	311.84	3.35	312.05	3.14	312.26
EW-1	Flushmount; PVC; 4-inch	321.7	6.61	315.09	318.69-315.09	NM	NM	NM	NM	3.12	318.58	2.86	318.84

Table 1
Groundwater Monitoring Well Gauging Data

Well ID	Depth To Water (04/19/13)	Groundwater Elevation (04/19/13)	Depth To Water (10/09/13)	Groundwater Elevation (10/09/13)	Depth To Water (04/07/14)	Groundwater Elevation (04/07/14)	Depth To Water (10/20/14)	Groundwater Elevation (10/20/14)	Depth To Water (04/15/15)	Groundwater Elevation (04/15/15)	Depth To Water (10/30/15)	Groundwater Elevation (10/30/15)
MW-2	6.49	311.01	6.22	311.28	3.75	313.75	2.61	314.89	4.47	313.03	4.21	313.29
MW-3	15.49	299.61	16.42	298.68	15.60	299.50	16.61	298.49	15.66	299.44	15.89	299.21
MW-7	16.39	296.71	16.55	296.55	16.30	296.80	16.48	296.62	16.35	296.75	16.45	296.65
MW-8	18.55	293.42	18.82	293.15	18.49	293.48	18.27	293.7	18.58	293.4	18.55	293.42
MW-9	20.48	290.57	18.38	292.67	20.04	291.01	17.32	293.7	20.11	290.9	17.61	293.44
MW-10	18.45	294.75	18.44	294.76	18.32	294.88	17.85	295.35	18.43	294.77	18.1	295.10
MW-12	2.61	312.79	3.45	311.95	2.37	313.03	2.65	312.75	2.53	312.87	2.02	313.38
EW-1	3.11	318.59	2.81	318.89	2.21	319.49	2.61	319.09	3.15	318.55	2.5	319.20

Table 1
Groundwater Monitoring Well Gauging Data

Well ID	Depth To Water (04/21/16)	Groundwater Elevation (04/21/16)	Depth To Water (10/19/16)	Groundwater Elevation (10/19/16)	Depth To Water (04/13/17)	Groundwater Elevation (04/13/17)	Depth To Water (10/19/17)	Groundwater Elevation (10/19/17)	Depth To Water (04/05/18)	Groundwater Elevation (04/05/18)	Depth To Water (10/10/18)	Groundwater Elevation (10/10/18)
MW-2	3.88	313.62	4.12	313.38	4.32	313.18	4.28	313.22	4.30	313.20	4.10	313.40
MW-3	15.98	299.12	16.95	298.15	15.78	299.32	16.55	298.55	15.80	299.30	16.42	298.68
MW-7	16.43	296.67	16.62	296.48	16.45	296.65	16.85	296.25	16.80	296.30	16.45	296.65
MW-8	18.78	293.19	18.70	293.27	18.69	293.28	18.85	293.12	18.71	293.26	18.62	293.35
MW-9	21.35	289.70	18.07	292.98	18.94	292.11	17.9	293.15	20.56	290.49	17.66	293.39
MW-10	18.67	294.53	18.39	294.81	18.23	294.97	18.33	294.87	18.41	294.79	18.03	295.17
MW-12	3.98	311.42	3.57	311.83	2.53	312.87	3.28	312.12	2.25	313.15	2.95	312.45
EW-1	3.51	318.19	3.06	318.64	3.14	318.56	2.96	318.74	2.70	319.00	3.00	318.70

Table 1
Groundwater Monitoring Well Gauging Data

Well ID	Depth To Water (04/04/19)	Groundwater Elevation (04/04/19)	Depth To Water (10/10/19)	Groundwater Elevation (10/10/19)	Depth To Water (6/10/20)	Groundwater Elevation (6/10/20)	Depth To Water	Groundwater Elevation (10/14/20)
MW-2	4.50	313.00	3.95	313.55	4.30	313.20	3.98	313.52
MW-3	15.85	299.25	16.13	298.97	16.56	298.54	16.43	298.67
MW-7	16.48	296.62	16.46	296.64	16.78	296.32	16.48	296.62
MW-8	18.76	293.21	18.51	293.46	18.98	292.99	18.88	293.09
MW-9	21.03	290.02	17.60	293.45	21.90	289.15	17.92	293.13
MW-10	18.79	294.41	18.03	295.17	18.97	294.23	18.23	294.97
MW-12	2.55	312.85	2.79	312.61	3.21	312.19	2.91	312.49
EW-1	2.92	318.78	2.61	319.09	3.70	318.00	2.70	319.00

NM = Not Measured



Table 2

Groundwater Analytical Data
MW-2

	NYSDEC TOGS 1.1.1 Guidance Values	Units	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	05/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
BTEX														ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND (<1.0)	ND (<1.0)	ND (<0.41)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)	ND (<1.0)	ND (<0.74)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	5	µg/L	ND (<1.0)	0.2 J	ND (<0.51)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	ND (<2.0)	ND (<3.0)	ND (<0.66)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
SVOCs														ND	ND	ND	ND	ND	0.10	ND	ND	ND
Acenaphthene	20	µg/L	ND (<0.48)	ND (<10)	ND (<0.095)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Acenaphthylene	-	µg/L	ND (<0.48)	ND (<10)	ND (<0.059)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Anthracene	50	µg/L	ND (<0.48)	ND (<10)	ND (<0.041)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(a)anthracene	0.002	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.048)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(g,h,i)perylene	-	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Chrysene	0.002	µg/L	ND (<0.48)	ND (<10)	ND (<0.045)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Dibenz(a,h)anthracene	-	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Fluoranthene	50	µg/L	ND (<0.48)	ND (<10)	ND (<0.063)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Fluorene	50	µg/L	ND (<0.48)	ND (<10)	ND (<0.16)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
2-Methylnaphthalene	-	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Naphthalene	10	µg/L	ND (<0.48)	ND (<10)	ND (<0.056)	ND (<0.99)	ND (<0.99)	ND (<0.99)	ND (<0.99)	ND (<0.96)	ND (<0.96)	ND (<0.96)	ND (<0.96)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	0.10	ND (<0.097)	ND (<0.10)	ND (<0.098)
Phenanthrene	50	µg/L	ND (<0.48)	ND (<10)	ND (<0.065)	ND (<0.20)	ND (<0.20)	ND (<0.20)	ND (<0.20)	ND (<0.19)	ND (<0.19)	ND (<0.19)	ND (<0.19)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Pyrene	50	µg/L	ND (<0.48)	ND (<10)	ND (<0.06)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-3

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/25/11	04/13/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
BTEX													ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND (<1.0)	ND (<0.41)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)	ND (<0.74)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	5	µg/L	0.35 J	ND (<0.51)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	ND (<3.0)	ND (<0.66)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
SVOCs													ND	ND	ND	ND	ND	0.12	2.65	ND	0.12
Acenaphthene	20	µg/L	ND (<10)	ND (<0.086)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)
Acenaphthylene	--	µg/L	ND (<10)	ND (<0.053)	ND (<0.35)	ND (<0.35)	ND (<0.35)	ND (<0.35)	ND (<0.29)	ND (<0.29)	ND (<0.30)	ND (<0.30)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)
Anthracene	50	µg/L	ND (<10)	ND (<0.037)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)
Benzo(a)anthracene	0.002	µg/L	ND (<1.0)	ND (<0.044)	0.59	ND (<0.044)	ND (<0.044)	ND (<0.044)	ND (<0.29)	ND (<0.29)	ND (<0.30)	ND (<0.30)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.21	ND (<0.10)	ND (<0.098)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.24	ND (<0.10)	ND (<0.098)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.36	ND (<0.10)	ND (<0.098)
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.20	ND (<0.10)	ND (<0.098)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.14	ND (<0.10)	ND (<0.098)
Chrysene	0.002	µg/L	ND (<10)	ND (<0.04)	0.68	ND (<0.04)	ND (<0.04)	ND (<0.04)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.26	ND (<0.10)	ND (<0.098)
Dibenz(a,h)anthracene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)
Fluoranthene	50	µg/L	ND (<10)	ND (<0.057)	1.2	ND (<0.057)	ND (<0.057)	ND (<0.057)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.47	ND (<0.10)	ND (<0.098)
Fluorene	50	µg/L	ND (<10)	ND (<0.15)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.16	ND (<0.10)	ND (<0.098)
2-Methylnaphthalene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)
Naphthalene	10	µg/L	ND (<10)	ND (<0.05)	1.2	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.95)	ND (<0.95)	ND (<0.99)	ND (<0.99)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	0.12	ND (<0.098)	ND (<0.10)	0.12
Phenanthrene	50	µg/L	ND (<10)	ND (<0.059)	0.65	ND (<0.059)	ND (<0.059)	ND (<0.059)	ND (<0.19)	ND (<0.19)	ND (<0.20)	ND (<0.20)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.10)	0.15	ND (<0.10)	ND (<0.098)
Pyrene	50	µg/L	ND (<10)	ND (<0.054)	1.0	ND (<0.054)	ND (<0.054)	ND (<0.054)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.10)	0.46	ND (<0.10)	ND (<0.098)

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-7

	NYSDEC TOGS 1.1.1 Guidance Values	Units	06/08/11	10/24/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
BTEX														56.6	26.0	52.1	ND	57.7	43.1	29.9	27.5	32.1
Benzene	1	µg/L	160	97	93	59	46	31	29	13	ND (<1.0)	17 F1	29	25.0	16.6	25.3	ND (<1.0)	27.1	21.7	15.6	13.5	16.4
Ethylbenzene	5	µg/L	210	130	130	61	36	24	7	4.6	ND (<1.0)	3.6	16	7.4	1.2	5.2	ND (<1.0)	2.8	2.7	ND(<1.0)	1.5	ND (<1.0)
Toluene	5	µg/L	5.1	3.1	3 UB	2.2	2	1.1	1	ND	ND (<1.0)	ND (<1.0)	1.1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.1	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	84	40	52	34	30	19	15	6.1	ND (<2.0)	13	25	24.2	8.2	21.6	ND (<3.0)	26.7	18.7	14.3	12.5	15.7
SVOCs														260.42	15.14	46.2	ND	39.6	19.9	17.8	6.2	22.81
Acenaphthene	20	µg/L	7.1	23	58 D	26 E	26	45	18	ND (<0.29)	ND (<0.48)	30 E	40	87.5	0.40	25.7	ND (<0.10)	15.4	9.1	11.7	3.6	17.9
Acenaphthylene	--	µg/L	ND (<2.4)	ND (<10)	0.78	1.2	ND (<10)	ND (<10)	ND (<10)	ND (<0.29)	ND (<0.29)	0.39	0.39	0.51	ND (<0.098)	0.45	ND (<0.10)	0.38	0.19	0.23	0.12	0.28
Anthracene	50	µg/L	ND (<2.4)	ND (<10)	0.1 J	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.49)	ND (<0.48)	0.50 U F2	ND (<0.48)	0.54	ND (<0.098)	0.13	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.096)
Benzo(a)anthracene	0.002	µg/L	2.4 UJ	ND (<1.0)	ND (<0.05)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	0.30 U F2	ND (<0.29)	ND (<0.10)	0.11	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.096)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	0.18	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.13	ND (<0.098)	0.11	ND (<0.096)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	0.55	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.4	0.18	0.22	ND (<0.096)
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	0.16	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.14	ND (<0.098)	0.11	ND (<0.096)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	0.50	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.36	ND (<0.098)	ND (<0.11)	ND (<0.096)
Chrysene	0.002	µg/L	2.4 UJ	ND (<10)	ND (<0.046)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.49)	ND (<0.48)	0.50 U F2	ND (<0.48)	ND (<0.10)	0.40	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.23	0.13	0.14	ND (<0.096)
Fluoranthene	50	µg/L	ND (<2.4)	ND (<10)	ND (<0.065)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.49)	ND (<0.48)	0.50 U F2	ND (<0.48)	0.32	0.83	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.37	0.23	0.20	ND (<0.096)
Fluorene	50	µg/L	ND (<2.4)	ND (<10)	8	10 E	ND (<10)	6.4	ND (<10)	1.6	ND (<0.48)	5.3 F2	7.7	10.7	ND (<0.098)	4.0	ND (<0.10)	2.8	1.5	1.9	0.3	2.8
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	0.13	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.12	ND (<0.098)	ND (<0.11)	ND (<0.096)
2-Methylnaphthalene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	5.5	ND (<0.098)	1.5	ND (<0.10)	2.7	0.65	0.62	ND (<0.11)	0.22
Naphthalene	10	µg/L	160	83	91 D	19 E	71	18	77	1.6	ND (<0.95)	12 F2 F1	73	152	10.90	13.5	ND (<0.10)	17.9	6.0	2.2	1.3	0.99
Phenanthrene	50	µg/L	ND (<2.4)	ND (<10)	0.48 J	1.4	ND (<10)	ND (<10)	ND (<10)	0.27J	ND (<0.19)	1.1 F2 F1	1.9	3.0	0.41	0.75	ND (<0.10)	0.45	0.42	0.37	ND (<0.11)	0.62
Pyrene	50	µg/L	ND (<2.4)	ND (<10)	ND (<0.062)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.49)	ND (<0.48)	0.50 U F2 F1	ND (<0.48)	0.35	0.57	0.12	ND (<0.10)	ND (<0.099)	0.29	0.20	0.16	ND (<0.096)

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data

MW-8

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
BTEX												ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND (<1.0)	ND (<0.41)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)	ND (<0.74)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	5	µg/L	ND (<1.0)	ND (<0.51)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	ND (<3.0)	ND (<0.66)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
SVOCs												ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	µg/L	ND (<10)	ND (<0.086)	ND (<0.47)	ND (<10)	ND (<10)	ND (<10)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Acenaphthylene	- -	µg/L	ND (<10)	ND (<0.053)	ND (<0.28)	ND (<10)	ND (<10)	ND (<10)	ND (<0.31)	ND (<0.31)	ND (<0.31)	ND (<0.31)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Anthracene	50	µg/L	ND (<10)	ND (<0.037)	ND (<0.47)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Benzo(a)anthracene	0.002	µg/L	ND (<1.0)	ND (<0.043)	ND (<0.28)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.31)	ND (<0.31)	ND (<0.31)	ND (<0.31)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Benzo(g,h,i)perylene	- -	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Chrysene	0.002	µg/L	ND (<10)	ND (<0.04)	ND (<0.47)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Dibenz(a,h)anthracene	- -	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Fluoranthene	50	µg/L	ND (<10)	ND (<0.056)	ND (<0.47)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Fluorene	50	µg/L	ND (<10)	ND (<0.15)	ND (<0.47)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Naphthalene	10	µg/L	ND (<10)	ND (<0.05)	ND (<0.95)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Phenanthrene	50	µg/L	ND (<10)	ND (<0.059)	ND (<0.19)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.21)	ND (<0.21)	ND (<0.20)	ND (<0.20)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)
Pyrene	50	µg/L	ND (<10)	ND (<0.054)	ND (<0.47)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)

Notes:

Results are presented in units of micrograms per liter (µg/L).

- E = Results exceeded calibration range
- D = Compound quantitated using a secondary dilution
- J = Analyte was detected at a concentration less than the laboratory reporting limit
- ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.
- Bolded** = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-9

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/24/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
BTEX														ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND (<1.0)	ND (<0.41)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)	ND (<0.74)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	5	µg/L	0.52 J	ND (<0.51)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	ND (<3.0)	ND (<0.66)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
SVOCs													ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	µg/L	ND (<10)	ND (<0.085)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	26	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Acenaphthylene	-	µg/L	ND (<10)	ND (<0.053)	ND (<0.03)	ND (<0.03)	ND (<0.03)	ND (<0.03)	ND (<0.29)	ND (<0.29)	2	ND (<0.29)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Anthracene	50	µg/L	ND (<10)	ND (<0.037)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	ND (<2.5)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Benzo(a)anthracene	0.002	µg/L	ND (<1.0)	ND (<0.043)	ND (<0.03)	ND (<0.03)	ND (<0.03)	ND (<0.03)	ND (<0.29)	ND (<0.29)	ND (<1.5)	ND (<0.29)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Benzo(g,h,i)perylene	-	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Chrysene	0.002	µg/L	ND (<10)	ND (<0.04)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	ND (<2.5)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Dibenz(a,h)anthracene	-	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Fluoranthene	50	µg/L	ND (<10)	ND (<0.056)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	ND (<2.5)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Fluorene	50	µg/L	ND (<10)	ND (<0.15)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	7	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
2-Methylnaphthalene	-	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Naphthalene	10	µg/L	ND (<10)	ND (<0.94)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.95)	ND (<0.95)	ND (<5.0)	ND (<0.95)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Phenanthrene	50	µg/L	ND (<10)	ND (<0.058)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.19)	ND (<0.19)	1.2	ND (<0.19)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)
Pyrene	50	µg/L	ND (<10)	ND (<0.054)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	ND (<2.5)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-10

	NYSDEC TOGS 1.1.1 Guidance Values	Units	06/08/11	10/24/11	04/13/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
BTEX															6.9	23.5	5.2	8.6	8.2	3.0	13.8	5.3
Benzene	1	µg/L	6.8	14	12	21	9.5	12	5.7	2.6	4.2	6.5	6.4	7.9	3.3	8.2	1.9	3.2	3.1	1.7	5.4	2.5
Ethylbenzene	5	µg/L	5.3	13	12	31	18	20	10	ND (<1.0)	4.2	5.3	10	13.2	3.6	9.6	3.3	3.3	2	1.3	8.4	2.8
Toluene	5	µg/L	ND (<1.0)	1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	5.8	5.6	13	12	6.8	6.6	4	ND (<2.0)	2.4	2.5	3.4	6.6	ND (<3.0)	5.7	ND (<3.0)	2.1	3.1	ND (<3.0)	3.6	ND (<3.0)
SVOCs														97.6	15.0	37.5	16.5	18.3	13.1	22.8	2.7	12.45
Acenaphthene	20	µg/L	11	21	24 D	18 E	33	2.5	23	0.30 J	14	ND (<0.48)	29	70.9	9.5	19.3	9.9	10.8	9.0	14.1	0.4	8.20
Acenaphthylene	--	µg/L	0.91	ND (<1.0)	1.7	1.9	1.5	ND (<1.0)	ND (<1.0)	1.1	ND (<4.9)	ND (<0.29)	ND (<0.29)	2.4	0.68	1.8	0.83	1.1	0.58	1.4	0.12	0.82
Anthracene	50	µg/L	ND (<0.48)	ND (<1.0)	0.4 J	1	ND (<0.47)	0.79	ND (<1.0)	ND (<0.49)	ND (<2.9)	ND (<0.48)	ND (<0.48)	0.84	0.20	0.44	0.27	0.24	0.16	0.26	ND (<0.097)	0.15
Benzo(a)anthracene	0.002	µg/L	ND (<0.48)	ND (<1.0)	0.12 J	0.37	ND (<0.28)	ND (<0.28)	ND (<0.28)	ND (<0.30)	ND (<2.9)	ND (<0.29)	ND (<0.29)	0.20	ND (<0.096)	0.62	ND (<0.10)	0.11	ND(<0.099)	0.099	0.23	ND (<0.10)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.43	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	0.29	ND (<0.10)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.55	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	0.28	ND (<0.10)
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.22	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	0.18	ND (<0.10)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.35	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.10)
Chrysene	0.002	µg/L	ND (<0.48)	ND (<1.0)	0.11 J	ND (<0.50)	ND (<0.47)	ND (<0.47)	ND (<0.47)	ND (<0.49)	ND (<2.9)	ND (<0.48)	ND (<0.48)	0.20	0.098	0.50	ND (<0.10)	0.10	ND(<0.099)	ND (<0.097)	0.23	ND (<0.10)
Dibenz(a,h)anthracene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.19	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.10)
Fluoranthene	50	µg/L	0.83	ND (<1.0)	1.1	1.9	ND (<0.47)	2	ND (<1.0)	1.1 J	ND (<2.9)	ND (<0.48)	ND (<0.48)	2.1	0.83	1.8	1.1	1.1	0.70	1.20	0.34	0.85
Fluorene	50	µg/L	2.1	3.2 J	5.6	7.7	7.2	10	ND (<1.0)	2.8 J	ND (<2.9)	ND (<0.48)	8.7	9.5	2.6	5.8	2.7	2.6	1.7	2.4	ND (<0.097)	0.67
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.21	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	0.14	ND (<0.10)
2-Methylnaphthalene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.10)
Naphthalene	10	µg/L	ND (<0.48)	ND (<1.0)	2.8	4.4	ND (<0.95)	15	ND (<0.95)	ND (<0.99)	ND (<2.9)	ND (<0.95)	ND (<0.95)	5.7	ND (<0.096)	2.0	0.16	0.60	ND(<0.099)	1.2	ND (<0.097)	0.54
Phenanthrene	50	µg/L	0.5	ND (<1.0)	0.76	4.4	ND (<0.19)	5.1	ND (<1.0)	0.39 J	ND (<2.9)	ND (<0.19)	2.7	3.0	0.10	0.92	0.17	0.16	ND(<0.099)	0.54	ND (<0.097)	0.12
Pyrene	50	µg/L	0.98	ND (<1.0)	1.6	2.5	ND (<0.47)	2.5	ND (<1.0)	0.81 J	ND (<2.9)	ND (<0.48)	ND (<0.48)	2.8	1.0	2.4	1.4	1.5	0.91	1.6	0.42	1.1

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-12

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/25/11	04/13/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
BTEX													79.9	571	86.4	153.0	60.8	94.2	79.3	14.8
Benzene	1	µg/L	11	130 D	2.1	150E	89	89	97	95	84	71.9	49.0	207	54.7	91.4	36.5	57.1	48.2	10.5
Ethylbenzene	5	µg/L	0.79 J	22	ND (<1.0)	15	7	6.7	8.2	11	11	11.6	8.8	115	10.4	21.1	8.5	13.4	11.7	2.4
Toluene	5	µg/L	0.92 J	36	ND (<1.0)	48	19	17	16	16	13	13.1	8.3	96.3	8.7	16.4	6.1	9.1	8.1	1.9
Total Xylenes	5	µg/L	0.88 J	24	ND (<2.0)	49	22	22	22	27	21	19.9	13.8	153	12.6	24.1	9.7	14.6	11.3	ND (<3.0)
SVOCs												8.7	10.2	25.1	18.1	22.3	10.3	14.8	0.5	16.55
Acenaphthene	20	µg/L	ND (<10)	0.89	0.94	1.3	1.7	ND (<0.49)	1.3	ND (<2.4)	1.5	0.46	0.45	2.5	1.1	1.7	0.62	0.96	0.36	2.40
Acenaphthylene	--	µg/L	ND (<10)	0.21 J	ND (<0.29)	0.4	0.41	ND (<0.49)	0.36	ND (<1.5)	0.49	0.16	0.17	0.84	0.33	0.58	0.19	0.31	0.11	0.36
Anthracene	50	µg/L	ND (<10)	ND (<0.037)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.50)	ND (<2.4)	ND (<0.48)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	0.46
Benzo(a)anthracene	0.002	µg/L	ND (<1.0)	ND (<0.044)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.30)	ND (<1.5)	ND (<0.29)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	0.23
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	0.12
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	0.23
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	ND (<0.10)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	ND (<0.10)
Chrysene	0.002	µg/L	ND (<10)	ND (<0.04)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.50)	ND (<2.4)	ND (<0.48)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	0.25
Dibenz(a,h)anthracene	--	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	ND (<0.10)
Fluoranthene	50	µg/L	ND (<10)	ND (<0.057)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.50)	ND (<2.4)	ND (<0.48)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	1.0
Fluorene	50	µg/L	ND (<10)	ND (<0.15)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.50)	ND (<2.4)	ND (<0.48)	0.10	0.11	0.64	0.27	0.51	0.17	0.28	ND (<0.097)	2.7
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	ND (<0.10)
2-Methylnaphthalene	--	µg/L	-	-	-	-	-	-	-	-	-	0.48	0.59	2.0	1.4	2.1	0.81	1.2	ND (<0.097)	0.2
Naphthalene	10	µg/L	ND (<10)	5.5	5.1	4.1	27	36	ND (<0.20)	25	23	7.5	8.9	18.8	14.9	17.1	9.2	11.9	ND (<0.097)	1.8
Phenanthrene	50	µg/L	ND (<10)	ND (<0.059)	ND (<0.19)	0.19	ND (<0.19)	ND (<0.19)	ND (<0.20)	ND (<0.97)	0.2	ND (<0.10)	ND (<0.10)	0.34	0.12	0.31	0.10	0.18	ND (<0.097)	5.7
Pyrene	50	µg/L	ND (<10)	ND (<0.054)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.50)	ND (<2.4)	ND (<0.48)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	1.1

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
EW-1

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/11/12	10/09/13	10/20/14	10/30/15	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
BTEX								104.3	191	104.7	209.3	131.4	200.6	197.0	301.3
Benzene	1	µg/L	3.4	200	310	28	21.6	91.5	177	95.1	192	114	189	180	284
Ethylbenzene	5	µg/L	ND (<1.0)	16	3.8	ND (<1.0)	ND (<1.0)	8.1	4.2	6.1	7.6	10.7	4.9	11.6	5.6
Toluene	5	µg/L	ND (<1.0)	1.8	1.5	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.2	ND (<1.0)	1.6	ND(<1.0)	1.1	ND (<1.0)	2.2
Total Xylenes	5	µg/L	ND (<2.0)	8.1	7.3	2.1	ND (<3.0)	4.7	8.1	3.5	8.1	6.7	5.6	5.4	9.5
SVOCs							17.99	2.44	14.0	1.7	17.17	7.58	17.95	5.78	17.91
Acenaphthene	20	µg/L	13 E	16	0.97	3.3	9.3	ND (<0.096)	6.2	ND (<0.099)	7.8	4.6	7.9	3.1	8.6
Acenaphthylene	- -	µg/L	1.3	0.88	ND (<0.48)	ND (<0.32)	0.55	1.30	0.76	0.43	1.0	0.46	0.98	0.54	0.86
Anthracene	50	µg/L	ND (<0.48)	ND (<0.49)	ND (<0.49)	ND (<0.53)	0.13	ND (<0.096)	0.16	ND (<0.099)	0.24	ND (<0.10)	0.24	ND (<0.10)	0.22
Benzo(a)anthracene	0.002	µg/L	ND (<0.29)	ND (<0.30)	ND (<0.30)	ND (<0.32)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	0.10	ND (<0.10)	0.11	ND (<0.10)	ND (<0.098)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(g,h,i)perylene	- -	µg/L	-	-	-	-	0.13	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Chrysene	0.002	µg/L	ND (<0.48)	ND (<0.49)	ND (<0.49)	ND (<0.53)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	0.11	ND (<0.10)	0.11	ND (<0.10)	ND (<0.098)
Dibenz(a,h)anthracene	- -	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Fluoranthene	50	µg/L	4	4.1	2.2	0.93	1.5	0.40	1.5	0.30	1.6	0.63	1.7	0.94	1.2
Fluorene	50	µg/L	3	2.2	5.3	ND (<0.53)	3.2	ND (<0.096)	2.6	ND (<0.099)	3.1	1.1	3.4	ND (<0.10)	3.4
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
2-Methylnaphthalene	- -	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Naphthalene	10	µg/L	1.2	ND (<0.99)	2.6	ND (<1.1)	1.1	ND (<0.096)	0.76	ND (<0.099)	0.86	ND (<0.10)	0.87	ND (<0.10)	1.7
Phenanthrene	50	µg/L	0.38	ND (<0.20)	0.23	ND (<0.21)	0.18	ND (<0.096)	0.13	ND (<0.099)	0.26	ND (<0.10)	0.44	ND (<0.10)	0.43
Pyrene	50	µg/L	4.5	4.6	2.7	0.68	1.9	0.74	1.9	1.0	2.1	0.79	2.2	1.2	1.5

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

2020 Semi-Annual Groundwater Monitoring Report (July through December)
National Grid Fort Plain Former MGP Site
14 Hancock Street, Fort Plain, NY 13339



Total BTEX and SVOCs
units in µg/L

MW-2	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/30/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.10	ND	ND	ND

MW-3	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	ND	ND	ND	ND	5.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	2.65	ND	0.12

MW-7	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
Total BTEX	459.1	270.1	278.0	156.2	114.0	75.1	51.5	17.6	ND	33.6	71.1	56.6	26.00	52.1	ND	57.7	43.1	29.9	27.5	32.1
Total SVOCs	167.1	106.0	157.0	57.6	97.0	69.4	95.0	3.2	ND	48.8	123.0	260.42	15.14	46.2	ND	39.63	19.9	17.8	6.2	22.81

MW-8	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-9	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
Total BTEX	ND	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-10	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
Total BTEX	17.9	33.6	37.0	64.0	34.3	38.6	19.7	2.6	10.8	14.3	19.8	27.7	6.90	23.5	5.2	8.6	8.2	3.0	13.8	5.3
Total SVOCs	16.3	24.2	38.2	42.2	41.7	37.9	23.0	6.2	14	ND	40.4	97.64	15.01	37.5	16.53	18.31	13.05	22.80	2.65	12.45

MW-12	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/30/15	04/21/16	10/19/2016	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
Total BTEX	234	13.6	212	2.1	262	137	134.7	143.2	149	53.8	129	116.5	79.90	571	86.4	153	60.8	94.2	79.3	14.8
Total SVOCs	ND	ND	6.6	6	6	29.1	36	1.66	25	4.6	25.19	8.7	10.22	25.1	18.12	22.3	10.28	14.83	0.47	16.55

EW-1	10/11/12	10/09/13	10/20/14	10/30/15	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
Total BTEX	3.4	225.9	322.6	32.2	21.6	104.30	191	104.7	209.3	131.4	200.6	197.0	301.3
Total SVOCs	27.4	27.8	14	4.91	17.99	2.44	14.0	1.73	17.17	7.58	17.95	5.78	17.91

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes.
SVOC - Semi-Volatile Organic Compounds.
ND - Not Detected.



Appendix A – Field Data

**Field Inspection Form
Former MGP Site
Fort Plain, New York**

Date: 7/30/2020
Technician: TB

Time: 7:30
Weather: Sunny 71

Site Controls				
Fence Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Main Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Padlock-NG/GES	OPERATIONAL	NON-OPERATIONAL		COMMENTS:

General Site Conditions				
Condition of Monitoring Wells	GOOD	FAIR	POOR	COMMENTS:
Condition of Pavement (Rt. 5S Diner)	GOOD	FAIR	POOR	COMMENTS:
Evidence of Intrusive Activities	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Settlement	NONE	MINOR	SIGNIFICANT	COMMENTS:

NOTE: Asphalt pavement on surrounding properties is not part of the Site Remedy.

Former MGP Property Cover system				
Vegetative Growth	NONE	MINOR	SIGNIFICANT	COMMENTS:
Borrowing or Depressions	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Settlement	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Missing Stone	NONE	MINOR	SIGNIFICANT	COMMENTS:
Standing Water	NONE	MINOR	SIGNIFICANT	COMMENTS:
Damage or Failure	NONE	MINOR	SIGNIFICANT	COMMENTS:

Drainage Swale				
Vegetative Growth	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Missing Stone	NONE	MINOR	SIGNIFICANT	COMMENTS:
Standing Water	NONE	MINOR	SIGNIFICANT	COMMENTS:
Damage or Failure	NONE	MINOR	SIGNIFICANT	COMMENTS:

Drainage Basin				
Condition of Basin	GOOD	FAIR	POOR	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Depth to Water				COMMENTS:

Concrete Block Retaining Wall (north of the former MGP property)				
Condition of Wall	GOOD	FAIR	POOR	COMMENTS:

NOTE: Concrete block retaining wall is not part of the Site Remedy.

Southern Gas Holder Retaining Wall				
Condition of Wall	GOOD	FAIR	POOR	COMMENTS:

Hillside (west of the former MGP property)				
Condition of Hill	GOOD	FAIR	POOR	COMMENTS:
Any Obvious Movement	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

MW-6 is destroyed.

Wells: MW-2, MW-7, MW-8, MW-9 and MW-10 had new manholes installed on November 24, 2015.

**Field Inspection Form
Former MGP Site
Fort Plain, New York**

Date: 10/14/2020
Technician: KL

Time: 9:00
Weather: Sunny 48

Site Controls				
Fence Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Main Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Padlock-NG/GES	OPERATIONAL	NON-OPERATIONAL		COMMENTS:

General Site Conditions				
Condition of Monitoring Wells	GOOD	FAIR	POOR	COMMENTS:
Condition of Pavement (Rt. 5S Diner)	GOOD	FAIR	POOR	COMMENTS:
Evidence of Intrusive Activities	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Settlement	NONE	MINOR	SIGNIFICANT	COMMENTS:

NOTE: Asphalt pavement on surrounding properties is not part of the Site Remedy.

Former MGP Property Cover system				
Vegetative Growth	NONE	MINOR	SIGNIFICANT	COMMENTS:
Borrowing or Depressions	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Settlement	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Missing Stone	NONE	MINOR	SIGNIFICANT	COMMENTS:
Standing Water	NONE	MINOR	SIGNIFICANT	COMMENTS:
Damage or Failure	NONE	MINOR	SIGNIFICANT	COMMENTS:

Drainage Swale				
Vegetative Growth	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Missing Stone	NONE	MINOR	SIGNIFICANT	COMMENTS:
Standing Water	NONE	MINOR	SIGNIFICANT	COMMENTS:
Damage or Failure	NONE	MINOR	SIGNIFICANT	COMMENTS:

Drainage Basin				
Condition of Basin	GOOD	FAIR	POOR	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Depth to Water	1.92	feet below ground surface		COMMENTS:

Concrete Block Retaining Wall (north of the former MGP property)				
Condition of Wall	GOOD	FAIR	POOR	COMMENTS:

NOTE: Concrete block retaining wall is not part of the Site Remedy.

Southern Gas Holder Retaining Wall				
Condition of Wall	GOOD	FAIR	POOR	COMMENTS:

Hillside (west of the former MGP property)				
Condition of Hill	GOOD	FAIR	POOR	COMMENTS:
Any Obvious Movement	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

MW-6 is destroyed.

Wells: MW-2, MW-7, MW-8, MW-9 and MW-10 had new manholes installed on November 24, 2015.

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
EW-1	Yes	4"	2.70		8.61	Sampled Fall Event Only
MW-2	Yes	2"	3.98		17.81	
MW-3	Yes	2"	16.43		18.72	
MW-6	No	2"	NA	NA	NA	well has been destroyed
MW-7	Yes	2"	16.48	—	22.72	MS/MSD
MW-8	Yes	2"	18.88	—	24.52	
MW-9	Yes	2"	17.92	—	25.35	Field Duplicate
MW-10	Yes	2"	18.23	—	22.92	
MW-12	Yes	2"	2.91		19.57	

DTW-depth to water

DTP-depth to product

DTB-depth to bottom

NA-Not Applicable

Sampling Personnel: RS
Job Number: 0603200-133390-221
Well Id. EW-1

Date: 10/14/20
Weather: Sunny, 58°F
Time In: 0950 Time Out: 1030

Well Information		TOC	Other
Depth to Water:	(feet)	<u>2.70</u>	
Depth to Bottom:	(feet)	<u>8.61</u>	
Depth to Product:	(feet)	<u>NP</u>	
Length of Water Column:	(feet)	<u>5.91</u>	
Volume of Water in Well:	(gal)	<u>3.90</u>	
Three Well Volumes:	(gal)	<u>11.7</u>	

Well Type:	Flushmount	☐	Stick-Up	☒
Well Locked:	Yes	☐	No	☒
Measuring Point Marked:	Yes	☒	No	☐
Well Material:	PVC	☒	SS	☐
Well Diameter:	2"	☐	4"	☒
Comments:				

Purging Information		Conversion Factors					
Purging Method:	Bailer	☐	Peristaltic	☒	Well Wizard Dedicated Pump	☐	
Tubing/Bailer Material:	Teflon	☐	Stainless St.	☐	Polyethylene	☒	
Sampling Method:	Bailer	☒	Peristaltic	☒	Well Wizard Dedicated Pump	☐	
Average Pumping Rate:	(ml/min)	<u>200</u>					
Duration of Pumping:	(min)	<u>30</u>					
Total Volume Removed:	(gal)	<u>2</u>	Did well go dry?	Yes	☐	No	☒
Horiba U-52 Water Quality Meter Used?		Yes	☒	No	☐		

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0955	2.74	8.40	7.41	-15	0.000	168	16.07	0.000
1000	2.78	9.62	7.72	-53	0.000	187	12.11	0.000
1005	2.79	10.85	7.72	-49	0.135	2.7	10.40	0.076
1010	2.78	14.75	7.80	-136	0.747	5.5	0.00	0.478
1015	2.79	14.96	7.82	-64	0.736	4.5	0.00	0.471
1020	2.77	15.05	7.83	-68	0.735	3.0	0.00	0.470
1025	2.78	15.12	7.85	-69	0.734	2.2	0.00	0.470

Sampling Information:		SVOC PAH's		VOC's BTEX		2 - 1 liter Amber		3 - 40 mL vials	
EPA SW-846 Method 8270		Yes	☒	No	☐	Yes	☒	No	☐
EPA SW-846 Method 8260		Yes	☒	No	☐	Yes	☒	No	☐
Sample ID:	<u>EW-1-1020</u>	Duplicate?	Yes	☐	No	☒	Shipped:	Pace Courier	☒
Sample Time:	<u>1025</u>	MS/MSD?	Yes	☐	No	☒	Fed-Ex	☐	UPS
Comments/Notes:						Laboratory: <u>PACE Analytical</u> <u>Greensburg, PA</u>			

Sampling Personnel: RS

Job Number: 0603200-133390-221

Well Id. MW-2

Date: 10/14/20

Weather: Sunny 50's

Time In: 1127 Time Out: _____

Well Information			TOC	Other
Depth to Water:	(feet)	<u>3.98</u>		
Depth to Bottom:	(feet)	<u>17.81</u>		
Depth to Product:	(feet)	<u>ND</u>		
Length of Water Column:	(feet)	<u>13.83</u>		
Volume of Water in Well:	(gal)	<u>2.25</u>		
Three Well Volumes:	(gal)	<u>6.75</u>		

Well Type:	Flushmount ☒	Stick-Up ☐
Well Locked:	Yes ☐	No ☐
Measuring Point Marked:	Yes ☐	No ☐
Well Material:	PVC ☒ SS ☐ Other: _____	
Well Diameter:	1" ☐ 2" ☒ Other: _____	
Comments: _____		

Purging Information			
Purging Method:	Bailer ☐	Peristaltic ☒	Well Wizard Dedicated Pump ☐
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒ other ☐
Sampling Method:	Bailer ☒	Peristaltic ☒	Well Wizard Dedicated Pump ☐
Average Pumping Rate:	(ml/min)	<u>200</u>	
Duration of Pumping:	(min)	<u>30</u>	
Total Volume Removed:	(gal)	<u>2</u>	Did well go dry? Yes ☐ No ☒
Horiba U-52 Water Quality Meter Used?		Yes ☒ No ☐	

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1133	5.01	16.98	7.49	-161	0.763	1.6	4.68	0.482
1138	6.63	16.98	7.49	-161	0.753	1.6	4.68	0.482
1143	8.00	16.40	7.46	-176	0.766	2.4	1.74	0.490
1148	8.20	16.45	7.49	-159	0.732	5.7	0.84	0.469
1153	8.21	16.34	7.51	-123	0.728	4.2	1.42	0.466
1158	8.23	16.18	7.48	-126	0.747	1.7	1.61	0.478
1203	8.24	16.17	7.46	-128	0.760	1.7	1.33	0.488

Sampling Information:			
EPA SW-846 Method 8270	SVOC PAH's	2 - 1 liter Amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 mL vials	Yes ☒ No ☐
Sample ID: <u>MW-2-1020</u>	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier ☒	
Sample Time: <u>1203</u>	MS/MSD? Yes ☐ No ☒	Fed-Ex ☐ UPS ☐	
Comments/Notes: _____		Laboratory: PACE Analytical Greensburg, PA	

Sampling Personnel: RS
Job Number: 0603200-133390-221
Well Id. **MW-3**

Date: 10/14/20
Weather: Sunny ~60°F
Time In: 1224 Time Out: _____

Well Information		
	TOC	Other
Depth to Water:	(feet) <u>16.43</u>	
Depth to Bottom:	(feet) <u>18.72</u>	
Depth to Product:	(feet) <u>NP</u>	
Length of Water Column:	(feet) <u>2.29</u>	
Volume of Water in Well:	(gal) <u>0.36</u>	
Three Well Volumes:	(gal) <u>1.1</u>	

Well Type: Flushmount ☒ Stick-Up ☐

Well Locked: Yes ☒ No ☐

Measuring Point Marked: Yes ☒ No ☐

Well Material: PVC ☒ SS ☐ Other: _____

Well Diameter: 1" ☐ 2" ☒ Other: _____

Comments: _____

Purging Information			
Purging Method:	Bailer ☐ Peristaltic ☒	Well Wizard Dedicated Pump ☐	
Tubing/Bailer Material:	Teflon ☐ Stainless St. ☐ Polyethylene ☒ other ☐	Well Wizard Dedicated Pump ☐	
Sampling Method:	Bailer ☒ Peristaltic ☒	Well Wizard Dedicated Pump ☐	
Average Pumping Rate:	(ml/min) <u>160-260</u>		
Duration of Pumping:	(min) <u>30</u>		
Total Volume Removed:	(gal) <u>1</u>	Did well go dry? Yes ☐ No ☒	
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐			

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=133.7cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1226	16.55	17.06	7.35	13	0.843	2.6	1.00	0.539
1231	16.65	17.06	7.30	18	0.894	14.0	0.00	0.572
1236	16.82	17.35	7.36	23	0.884	1.9	2.88	0.566
1241	16.98	15.86	7.26	26	0.865	127	0.00	0.553
1246	17.12	16.23	7.29	31	0.908	1.0	0.00	0.581
1251	17.42	16.04	7.27	30	0.892	0.6	0.00	0.571
1256	17.85	16.00	7.27	30	0.889	0.6	0.00	0.569

Sampling Information:			
EPA SW-846 Method 8270	SVOC PAH's	2 - 1 liter Amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 mL vials	Yes ☒ No ☐
Sample ID: MW-3-1020	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier ☒	
Sample Time: <u>1256</u>	MS/MSD? Yes ☐ No ☒	Fed-Ex ☐ UPS ☐	
Comments/Notes: _____		Laboratory: PACE Analytical Greensburg, PA	

Sampling Personnel: KL
Job Number: 0603200-133390-221
Well Id. **MW-7**

Date: 11/14/20
Weather: 9mm 55
Time In: 10:30 Time Out: 11:55

Well Information		TOC	Other
Depth to Water:	(feet)	<u>16.42</u>	<u>16.48</u>
Depth to Bottom:	(feet)	22.72	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	<u>6.24</u>	
Volume of Water in Well:	(gal)	<u>0.99</u>	
Three Well Volumes:	(gal)	<u>2.99</u>	

Well Type:	Flushmount ☒	Stick-Up ☐
Well Locked:	Yes ☒	No ☐
Measuring Point Marked:	Yes ☒	No ☐
Well Material:	PVC ☒ SS ☐	Other: ☐
Well Diameter:	1" ☐ 2" ☒	Other: ☐
Comments:		

Purging Information		Conversion Factors			
Purging Method:	Bailer ☐ Peristaltic ☒	Well Wizard Dedicated Pump ☐			
Tubing/Bailer Material:	Teflon ☐ Stainless St. ☐	Polyethylene ☒ other ☐			
Sampling Method:	Bailer ☒ Peristaltic ☐	Well Wizard Dedicated Pump ☐			
Average Pumping Rate:	(ml/min) <u>200</u>				
Duration of Pumping:	(min) <u>30</u>				
Total Volume Removed:	(gal) <u>2</u>	Did well go dry? Yes ☐ No ☒			
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐					

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=133.7cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>10:30</u>								
<u>10:40</u>								
<u>10:55</u>								
<u>12:00</u>	<u>16.58</u>	<u>17.11</u>	<u>6.78</u>	<u>-96</u>	<u>1.26</u>	<u>402</u>	<u>1.75</u>	<u>0.808</u>
<u>12:05</u>	<u>16.52</u>	<u>16.58</u>	<u>6.60</u>	<u>-119</u>	<u>1.20</u>	<u>212</u>	<u>0.00</u>	<u>0.765</u>
<u>12:10</u>	<u>16.60</u>	<u>16.36</u>	<u>6.56</u>	<u>-124</u>	<u>1.17</u>	<u>89.3</u>	<u>0.00</u>	<u>0.748</u>
<u>12:15</u>	<u>16.70</u>	<u>16.24</u>	<u>6.55</u>	<u>-124</u>	<u>1.16</u>	<u>42.2</u>	<u>0.00</u>	<u>0.741</u>
<u>12:20</u>	<u>16.60</u>	<u>16.12</u>	<u>6.53</u>	<u>-123</u>	<u>1.16</u>	<u>32.7</u>	<u>0.00</u>	<u>0.740</u>
<u>12:25</u>	<u>16.62</u>	<u>16.08</u>	<u>6.52</u>	<u>-121</u>	<u>1.15</u>	<u>28.9</u>	<u>0.00</u>	<u>0.738</u>
<u>12:30</u>	<u>16.60</u>	<u>16.04</u>	<u>6.52</u>	<u>-120</u>	<u>1.15</u>	<u>21.7</u>	<u>0.00</u>	<u>0.736</u>

Sampling Information:			
EPA SW-846 Method 8270	SVOC PAH's	6 - 1 liter Amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	9 - 40 mL vials	Yes ☒ No ☐
MW-7-MS-1020 and MW-7-MSD-1020			
Sample ID: <u>MW-7-1020</u>	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier ☒	
Sample Time: <u>12:30</u>	MS? Yes ☒ No ☐	Fed-Ex ☐ UPS ☐	
Comments/Notes:		Laboratory: PACE Analytical Greensburg, PA	

Sampling Personnel: K
Job Number: 0603200-133390-221
Well Id. **MW-9**

Date: 10/14/12
Weather: Sunny
Time In: 10:31 Time Out: 11:05

Well Information		TOC	Other
Depth to Water:	(feet)	<u>17.92</u>	
Depth to Bottom:	(feet)	<u>25.35</u>	
Depth to Product:	(feet)	<u>—</u>	
Length of Water Column:	(feet)	<u>7.43</u>	
Volume of Water in Well:	(gal)	<u>1.18</u>	
Three Well Volumes:	(gal)	<u>3.56</u>	

Well Type:	Flushmount	☒	Stick-Up	☐
Well Locked:	Yes	☒	No	☐
Measuring Point Marked:	Yes	☒	No	☐
Well Material:	PVC	☒	SS	☐
Well Diameter:	1"	☐	2"	☒
Comments:				

Purging Information		Conversion Factors				
Purging Method:	Bailer	☐	Peristaltic	☒	Well Wizard Dedicated Pump	☐
Tubing/Bailer Material:	Teflon	☐	Stainless St.	☐	Polyethylene	☒
Sampling Method:	Bailer	☒	Peristaltic	☒	Well Wizard Dedicated Pump	☐
Average Pumping Rate:	(ml/min)	<u>200</u>				
Duration of Pumping:	(min)	<u>30</u>				
Total Volume Removed:	(gal)	<u>2</u>	Did well go dry? Yes ☐ No ☒			
Horiba U-52 Water Quality Meter Used?		Yes	☒	No	☐	

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=133.7cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>10:35</u>	<u>17.99</u>	<u>14.31</u>	<u>6.47</u>	<u>143</u>	<u>1.49</u>	<u>0.0</u>	<u>7.53</u>	<u>0.947</u>
<u>10:40</u>	<u>17.99</u>	<u>14.39</u>	<u>6.57</u>	<u>114</u>	<u>2.50</u>	<u>6.02</u>	<u>7.65</u>	<u>1.60</u>
<u>10:45</u>	<u>17.99</u>	<u>14.27</u>	<u>6.72</u>	<u>89</u>	<u>2.25</u>	<u>132</u>	<u>7.34</u>	<u>1.43</u>
<u>10:50</u>	<u>17.99</u>	<u>14.30</u>	<u>6.70</u>	<u>116</u>	<u>2.12</u>	<u>9.2</u>	<u>7.28</u>	<u>1.36</u>
<u>10:55</u>	<u>17.99</u>	<u>14.34</u>	<u>6.68</u>	<u>131</u>	<u>2.09</u>	<u>0.0</u>	<u>6.83</u>	<u>1.34</u>
<u>11:00</u>	<u>17.99</u>	<u>14.37</u>	<u>6.68</u>	<u>137</u>	<u>2.07</u>	<u>0.4</u>	<u>6.71</u>	<u>1.33</u>
<u>11:05</u>	<u>17.99</u>	<u>14.40</u>	<u>6.67</u>	<u>143</u>	<u>2.06</u>	<u>0.0</u>	<u>6.50</u>	<u>1.31</u>

Sampling Information:		SVOC PAH's		4 - 1 liter Amber		Yes ☒ No ☐	
EPA SW-846 Method 8270		VOC's BTEX		6 - 40 mL vials		Yes ☒ No ☐	
FD-1020							
Sample ID:	MW-9-1020	Duplicate?	Yes ☒ No ☐	Shipped:	Pace Courier	☒	
Sample Time:	<u>11:05</u>	MS?	Yes ☐ No ☒		Fed-Ex	☐	UPS ☐
Comments/Notes:				Laboratory: PACE Analytical Greensburg, PA			

Sampling Personnel: [Signature]
Job Number: 0603200-133390-221
Well Id. MW-10

Date: 10/14/20
Weather: Sunny
Time In: 11:15 Time Out: 11:55

Well Information		TOC	Other
Depth to Water:	(feet)	18.23	
Depth to Bottom:	(feet)	22.92	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	4.69	
Volume of Water in Well:	(gal)	0.75	
Three Well Volumes:	(gal)	2.25	

Well Type:	Flushmount ☒	Stick-Up ☐
Well Locked:	Yes ☒	No ☐
Measuring Point Marked:	Yes ☒	No ☐
Well Material:	PVC ☒ SS ☐ Other:	
Well Diameter:	1" ☐ 2" ☒ Other:	
Comments:		

Purging Information	
Purging Method:	Bailer ☐ Peristaltic ☒ Well Wizard Dedicated Pump ☐
Tubing/Bailer Material:	Teflon ☐ Stainless St. ☐ Polyethylene ☒ other
Sampling Method:	Bailer ☒ Peristaltic ☒ Well Wizard Dedicated Pump ☐
Average Pumping Rate:	(ml/min) 200
Duration of Pumping:	(min) 30
Total Volume Removed:	(gal) 2
Did well go dry? Yes ☐ No ☒	
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐	

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=133.7cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:30	18.80	15.54	6.78	6	1.96	65.9	2.23	1.25
11:35	19.25	15.91	6.65	-83	1.94	55.3	0.00	1.25
11:40	19.84	16.11	6.64	-95	1.94	32.6	0.00	1.24
11:45	19.94	16.46	6.69	-96	1.94	53.9	0.00	1.24
11:50	20.25	16.24	6.67	-91	1.94	35.8	0.00	1.24
11:55	20.46	16.21	6.67	-86	1.94	32.5	0.00	1.24
12:00	20.62	16.38	6.67	-84	1.92	6.4	0.20	1.23

Sampling Information:			
EPA SW-846 Method 8270	SVOC PAH's	2 - 1 liter Amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 mL vials	Yes ☒ No ☐
Sample ID: MW-10-1020	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier ☒	
Sample Time: 11:50	MS/MSD? Yes ☐ No ☒	Fed-Ex ☐ UPS ☐	
Comments/Notes:		Laboratory: PACE Analytical Greensburg, PA	

Sampling Personnel: RS
Job Number: 0603200-133390-221
Well Id. **MW-12**

Date: 10/14/20
Weather: Sunny, 50°F
Time In: 1030 Time Out: _____

Well Information		
Depth to Water:	(feet)	TOC <u>2.91</u>
Depth to Bottom:	(feet)	Other <u>22.92</u>
Depth to Product:	(feet)	<u>NP</u>
Length of Water Column:	(feet)	<u>20.61</u>
Volume of Water in Well:	(gal)	<u>3.20</u>
Three Well Volumes:	(gal)	<u>9.60</u>

Well Type: Flushmount ☒ Stick-Up ☐

Well Locked: Yes ☒ No ☐

Measuring Point Marked: Yes ☒ No ☐

Well Material: PVC ☒ SS ☐ Other: _____

Well Diameter: 1" ☐ 2" ☒ Other: _____

Comments: _____

Purging Information			
Purging Method:	Bailer ☐	Peristaltic ☒	Well Wizard Dedicated Pump ☐
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒ other ☐
Sampling Method:	Bailer ☒	Peristaltic ☒	Well Wizard Dedicated Pump ☐
Average Pumping Rate:	(ml/min)	<u>200</u>	
Duration of Pumping:	(min)	<u>30</u>	
Total Volume Removed:	(gal)		Did well go dry? Yes ☐ No ☐
Horiba U-52 Water Quality Meter Used?			Yes ☒ No ☐

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=133.7cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1044	2.91	15.54	8.95	-82	1.18	4.6	1.63	0.757
1049	2.95	15.38	8.49	-85	1.01	2.4	0.00	0.649
1054	2.94	15.47	7.87	-55	0.925	1.7	0.00	0.592
1059	2.93	15.58	7.72	-48	0.915	2.4	0.00	0.586
1104	2.94	15.69	7.66	-59	0.903	2.2	0.00	0.578
1109	2.94	15.77	7.63	-57	0.900	2.9	0.00	0.576
1114	2.95	15.77	7.62	-57	0.900	2.8	0.00	0.576

Sampling Information:			
EPA SW-846 Method 8270	SVOC PAH's	2 - 1 liter Amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 mL vials	Yes ☒ No ☐
Sample ID: MW-12-1020	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier ☒	
Sample Time: <u>1114</u>	MS/MSD? Yes ☐ No ☒	Fed-Ex ☐ UPS ☐	
Comments/Notes:		Laboratory: PACE Analytical Greensburg, PA	



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

www.paceanalytical.com

Page: 1 of 1

Section A

Required Client Information:

Company: GES - Syracuse

Address: 5 Technology Plaza, Suite 4

East Syracuse, New York 13057

Email To: dshay@gesonline.com

Phone: 800.220.3069

Fax: None

Requested Due Date/TAT: Standard

Section B

Required Project Information:

Report To: Devin Shay (GES)

dshay@gesonline.com

Report To: Jim Beaumont (GES)

jbeaumont@gesonline.com

Purchase Order No.:

Project Name:

National Grid - Fort Plain, NY

Project Number:

0603200-133380-221-1108

Section C

Invoice Information:

Attention: Accounts Payable via email at ap@gesonline.com

Company Name: Groundwater & Environmental Services, Inc.

Address: 5 Technology Plaza, Suite 4, East Syracuse, NY 13057

Pace Quote Reference:

Pace Project Manager: Rachel Christner

REGULATORY AGENCY

NPDES GRIID WATER DRINING WATER

UST RCRI OTH

SITE LOCATION

GA IL IN MI NC

OH SC VT OTHER

Semi-Annual GWS

COLLECTED

Preservatives

Unpreserved H₂SO₄ HNO₃ HCl NaOH Na₂SO₄ Methanol Other

OF CONTAINERS

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Section D

Required Client Information

SAMPLE ID

One Character per box (A-Z, 0-9 / -)

Samples IDs MUST BE UNIQUE

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Additional Comments:

SAMPLES WILL ARRIVE IN

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COOLERS.

Please send reports to: dshay@gesonline.com, jbeaumont@gesonline.com

NERegion@gesonline.com, ges@gesonline.com

SPECIFIC EDD NAME:

NGFortPlain-labnumber.28351.EQDD.zip

PRINT NAME / SIGNATURE

DATE SIGNED

10/14/05

10/14/05

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10/14/05



Appendix B – Data Usability Summary Report



Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201
Blacksburg, VA 24060

T. 800.662.5067

December 1, 2020

Devin Shay
Groundwater & Environmental Services
Syracuse
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid - Fort Plain, NY Site Data
Package Pace Analytical Job No. **30387622**

Groundwater & Environmental Services, Inc. (GES) reviewed one data package (Laboratory Project Number **30387622**) from Pace Analytical Services, Inc., for the analysis of groundwater samples collected on October 14, 2020 from monitoring wells located at the National Grid Fort Plain, NY Site. Eight aqueous samples, one field duplicate, and a trip blank were analyzed for select volatile organics and PAHs. Methodologies utilized are the USEPA SW846 methods 8260C and 8270D, with additional QC requirements of the NYSDEC ASP.

The data are reported as part of a complete full deliverable type B data validation. This usability report is generated from review of the following:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Instrument MDLs
- Sample Quantitation and Identification

The items listed above which show deficiencies are discussed within the text of this narrative. All of the other items are determined to be acceptable for the DUSR level review.

All of the items were determined to be acceptable for the DUSR level review.

Table 1 – Data Qualifications

Sample ID	Qualifier	Analyte	Reason for qualification
MW-2	UJ- non-detect J-: detects	PAHs	Extracted beyond holding time
MW-7	UJ non-detect J: detects	All PAHS	Low surrogate recovery
MW-7	J-	Fluorene	Low MS/MSD recovery

In summary, sample results are usable as reported, with some matrix issues noted in the matrix spike/matrix spike duplicate associated with the PAH analysis. Qualifications are detailed in Table 1.

The laboratory case narratives and sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater samples and instrumental tune fragmentations are within acceptance ranges. Surrogate and internal standard recoveries are within required limits. Calibrations standards show acceptable responses within analytical protocol and validation action limits. An MS/MSD was analyzed using MW-7 as the matrix. Matrix spike and matrix spike recoveries were within laboratory specified criteria. Blanks, field, analytical and calibration reported no positive detections. The blind field duplicate correlations of MW-9 were not calculated, as there were no positive detections reported in the original or duplicate sample.

PAHs by EPA8270D/NYSDEC ASP

Holding times are met with the exception of sample MW-2-1020, which was extracted two days past the seven-day holding time. All PAH data is qualified as estimated for this sample. Instrumental tune fragmentations are within acceptance ranges. Surrogate recoveries are within analytical and validation guidelines.

Blanks show no contamination. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

The laboratory control spike recoveries indicate the method is within laboratory control. Matrix spike and matrix spike recoveries were within laboratory specified criteria with the following exceptions:

- Acenaphthene: where the original concentration is more than four times the spiking concentration. In this situation, the laboratory spike recovery does not reflect method efficacy. No qualifications were required.
- Fluorene, where the MS recovery was less than 10%, rendering fluorene data unreliable, and the positive detection qualified as estimated low.

The relative percent differences (RPD) were high in the MS/MSD pair, showing precision issues in all the analytes. Qualifications are noted in Table 1. The blind field duplicate correlations of MW-9 were not calculated, as there were no positive detections reported in the original or duplicate sample.

Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Sincerely,

A handwritten signature in blue ink, reading 'B Janowiak', with a stylized flourish at the end.

Bonnie Janowiak, Ph.D.
Senior Chemist

SAMPLE SUMMARY

Project: National Grid - Fort Plain, NY

Pace Project No.: 30387622

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30387622001	EW-1-1020	Water	10/14/20 10:25	10/15/20 09:25
30387622002	MW-2-1020	Water	10/14/20 12:03	10/15/20 09:25
30387622003	MW-3-1020	Water	10/14/20 12:56	10/15/20 09:25
30387622004	MW-7-1020	Water	10/14/20 12:30	10/15/20 09:25
30387622005	MW-7-MS-1020	Water	10/14/20 12:30	10/15/20 09:25
30387622006	MW-7-MSD-1020	Water	10/14/20 12:30	10/15/20 09:25
30387622007	MW-8-1020	Water	10/14/20 10:25	10/15/20 09:25
30387622008	MW-9-1020	Water	10/14/20 11:05	10/15/20 09:25
30387622009	MW-10-1020	Water	10/14/20 11:50	10/15/20 09:25
30387622010	MW-12-1020	Water	10/14/20 11:14	10/15/20 09:25
30387622011	FD-1020	Water	10/14/20 00:01	10/15/20 09:25
30387622012	Trip Blank	Water	10/14/20 00:01	10/15/20 09:25

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Fort Plain, NY

Pace Project No.: 30387622

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 26, 2020

General Information:

11 samples were analyzed for EPA 8270D by SIM by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H2: Extraction or preparation conducted outside EPA method holding time.

- MW-2-1020 (Lab ID: 30387622002)

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 419253

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30387622004

ML: Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

- MS (Lab ID: 2026980)
 - Acenaphthene
 - Fluorene
- MSD (Lab ID: 2026981)
 - Acenaphthene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Fort Plain, NY

Pace Project No.: 30387622

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 26, 2020

QC Batch: 419253

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30387622004

R1: RPD value was outside control limits.

- MSD (Lab ID: 2026981)
 - 2-Fluorobiphenyl (S)
 - 2-Methylnaphthalene
 - Acenaphthene
 - Acenaphthylene
 - Anthracene
 - Benzo(a)anthracene
 - Benzo(a)pyrene
 - Benzo(b)fluoranthene
 - Benzo(g,h,i)perylene
 - Benzo(k)fluoranthene
 - Chrysene
 - Dibenz(a,h)anthracene
 - Fluoranthene
 - Fluorene
 - Indeno(1,2,3-cd)pyrene
 - Naphthalene
 - Phenanthrene
 - Pyrene
 - Terphenyl-d14 (S)

QC Batch: 419930

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 419930

1c: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- MW-2-1020 (Lab ID: 30387622002)
 - 2-Methylnaphthalene
 - Acenaphthene
 - Acenaphthylene
 - Anthracene
 - Benzo(k)fluoranthene
 - Benzo(g,h,i)perylene
 - Benzo(a)anthracene
 - Benzo(b)fluoranthene
 - Benzo(a)pyrene
 - Chrysene
 - Dibenz(a,h)anthracene
 - Fluorene
 - Fluoranthene

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PROJECT NARRATIVE

Project: National Grid - Fort Plain, NY

Pace Project No.: 30387622

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 26, 2020

Analyte Comments:

QC Batch: 419930

1c: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- MW-2-1020 (Lab ID: 30387622002)
 - Indeno(1,2,3-cd)pyrene
 - Naphthalene
 - Phenanthrene
 - Pyrene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Fort Plain, NY

Pace Project No.: 30387622

Method: EPA 8260C

Description: 8260C MSV

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 26, 2020

General Information:

12 samples were analyzed for EPA 8260C by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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