

March 9, 2022

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

Re: National Grid Ogdensburg Former MGP Site

NYSDEC Site No. 645053

10 King Street

Ogdensburg, New York

2021 Periodic Review Report

Dear Mr. Deyette:

Enclosed for your review is the 2021 Periodic Review Report (PRR) for the National Grid Ogdensburg Former MGP Site. The PRR pertains to the period from February 17, 2021 through February 17, 2022 and includes a brief report and Institutional Controls/Engineering Controls (IC/EC) Certification Form.

Please feel free to contact me at 315.428.5652 if you have any questions.

Sincerely,

for SPS

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

Reporting Period – February 17, 2021 through February 17, 2022

I. Introduction

A. Brief Site Summary -

The Former Ogdensburg Manufactured Gas Plant (MGP) Site (the Site) is located on an approximate 0.958 acre lot, with the address of 10 King Street in Ogdensburg, New York (refer to Figure 1 Site Location Map). The Site is owned by the St. Lawrence Gas Company. Manufactured gas was produced at the Site from approximately 1854 until at least 1930 using the coal carbonization process. The majority of the buildings and above-grade structures were removed by 1949; however, several subsurface foundations and piping were left in place. In addition to the former MGP, the Site was the location of a quarry from approximately 1850 to after 1865, and was used for the storage of propane gas tanks from before 1945 until sometime before 1997.

An investigation of the Site began in 2003 with the site characterization (SC), the remedial investigation (RI), which was conducted between 2003 and 2009, and culminating in 2010 with the pre-design investigation (PDI). investigations, 76 soil borings were drilled, 22 monitoring wells were installed, 10 test pits were excavated, three soil vapor investigations were conducted, and more than 230 samples of environmental media were collected and analyzed. The results of the SC and RI were presented in the Remedial Investigation Report (RI Report; Arcadis 2009), and the results of the PDI were presented in the Pre-Design Investigation Summary Report (PDI Report; National Grid 2011). In March 2009, National Grid also conducted an investigation of the City of Ogdensburg's combined sewer system located downstream from the Site. The investigation was prompted by the findings of the utility evaluation conducted in October 2008 during the Phase III RI, which identified non-aqueous phase liquid (NAPL) in a sewer lateral that extended from the western portion of the Site, along the fence line, to one of the manholes in King Street. The results of the sewer investigation were presented in an April 10, 2009 memorandum to the NYSDEC (Arcadis 2009) and were summarized in the RI Report.

The site investigations identified impacted soils from MGP related activities, specifically coal tar and purifier waste. The constituents of concern (COCs) are primarily the volatile organic compounds (VOCs) benzene, toluene, ethylbenzene, and xylenes (collectively, BTEX), the general class of semi-volatile organic compounds (SVOCs) known as polycyclic aromatic hydrocarbons (PAHs), and cyanide, all of which were found at the Site and the off-Site area.

Reporting Period – February 17, 2021 through February 17, 2022

- B. **Remedial Program Effectiveness** During the reporting period (February 17, 2021 to February 17, 2022) the long-term remedial objectives were met for the site.
- C. **Remedial Program Compliance** The major elements within the Institutional Control/Engineering Control(s) (IC/EC) Plan are in compliance.
- D. **Remedial Program Recommendations** It is recommended that no changes be made to the IC/EC Plan. It is recommended that an annual Periodic Review Report (PRR) be submitted. The next PRR submittal will cover the period February 17, 2022 to February 17, 2023.

II. Site Overview

A. Site Location and Boundaries -

The Site is located at 10 King Street in the City of Ogdensburg, County of St. Lawrence, New York (Figure 1 presents the site location map). The Site is an approximate 0.958-acre area bounded by King Street to the north, privately-owned properties to the south and west, a privately-owned property and a vacant National Grid-owned property to the east. Currently, the property is grass-covered, vacant and surrounded by a 6-foot chain link fence with barbed wire.

B. Regulatory History and Remedy Features -

The Site was remediated between May and October 2013 in accordance with the *Voluntary Cleanup Program Decision Document* (NYSDEC 2010b) and *Final* (100%) Remedial Design (Arcadis 2012). This PRR is being completed in compliance with Section 6.3 of the NYSDEC – approved Site Management Plan (SMP) for the project. A Deed of Restrictions and Covenants (DCR) was placed on the property in February 2018 by the Owner, and is included in Appendix A of the SMP.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

A. **Evaluation of Remedy Performance** – Annual visual inspections of the cover system are conducted on the Site. The remedy performance has been effective in protecting the public.

IV. IC/EC Plan Compliance Report

Reporting Period – February 17, 2021 through February 17, 2022

A. IC/EC Requirements and Compliance

1. IC/EC Controls

The ICs/ECs:

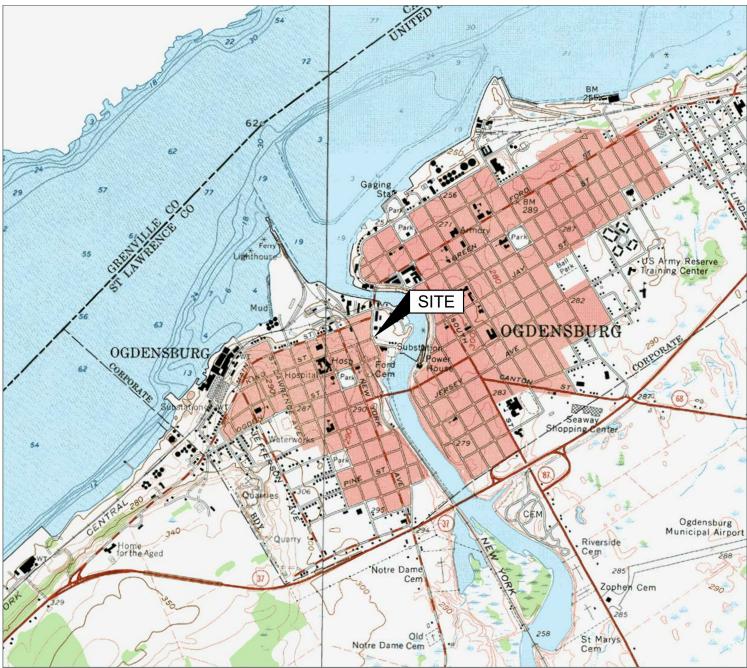
- Soil Cover System and Fencing: Annual site inspection of the cover system includes identification of any damage to the cover. The fence is also inspected for any damage. National Grid conducts quarterly inspections for internal security purposes. See Attachment 1 for the Site Inspection Forms.
- Monitoring Wells Associated with Monitored Natural Attenuation (MNA): Semi-annual groundwater sampling of the monitoring well system will be conducted, until either water quality is consistently below NYSDEC standards, or has become asymptotic at an acceptable level over an extended period.
- 2. IC/EC Goals Each goal is being met and/or working effectively.
- 3. **IC/EC Corrective Measures** No deficiencies were noted during the site inspections.
- 4. **IC/EC Conclusions/Recommendations** The EC program is in compliance and there are no recommendations for the program at this time.
- 5. IC/EC Certification Refer to PRR Form Attachment 2 for the certification.
- V. Monitoring Plan Compliance Report The Annual Monitoring Report was submitted to the NYSDEC on February 1, 2022. See Attachment 3 for a copy of the Annual Monitoring Report.
- VI. Operation & Maintenance (O&M) Plan Compliance Report Not Applicable

Reporting Period – February 17, 2021 through February 17, 2022

VII. Overall PRR Conclusions and Recommendations

- A. Compliance with Site Management Plan (SMP)
 - 1. **Requirements** All IC/EC Plan requirements were met during this reporting period.
 - 2. **Exposure Pathways** There are no new completed exposure pathways resulting in unacceptable risk.
 - 3. Proposed Plans and Schedule to Meet Compliance No plan proposed.
- B. **Performance and Effectiveness of the Remedy** The remedy as described in the Site Management Plan and executed by National Grid has been effective in meeting the program goals.
- C. **Future PRR Submittals** The frequency of PRR Submittals should remain annual. Therefore, the next PRR reporting period will cover February 17, 2022 through February 17, 2023.

VIII. Additional Guidance – Not needed.

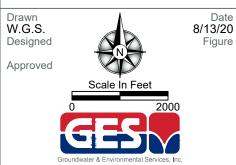


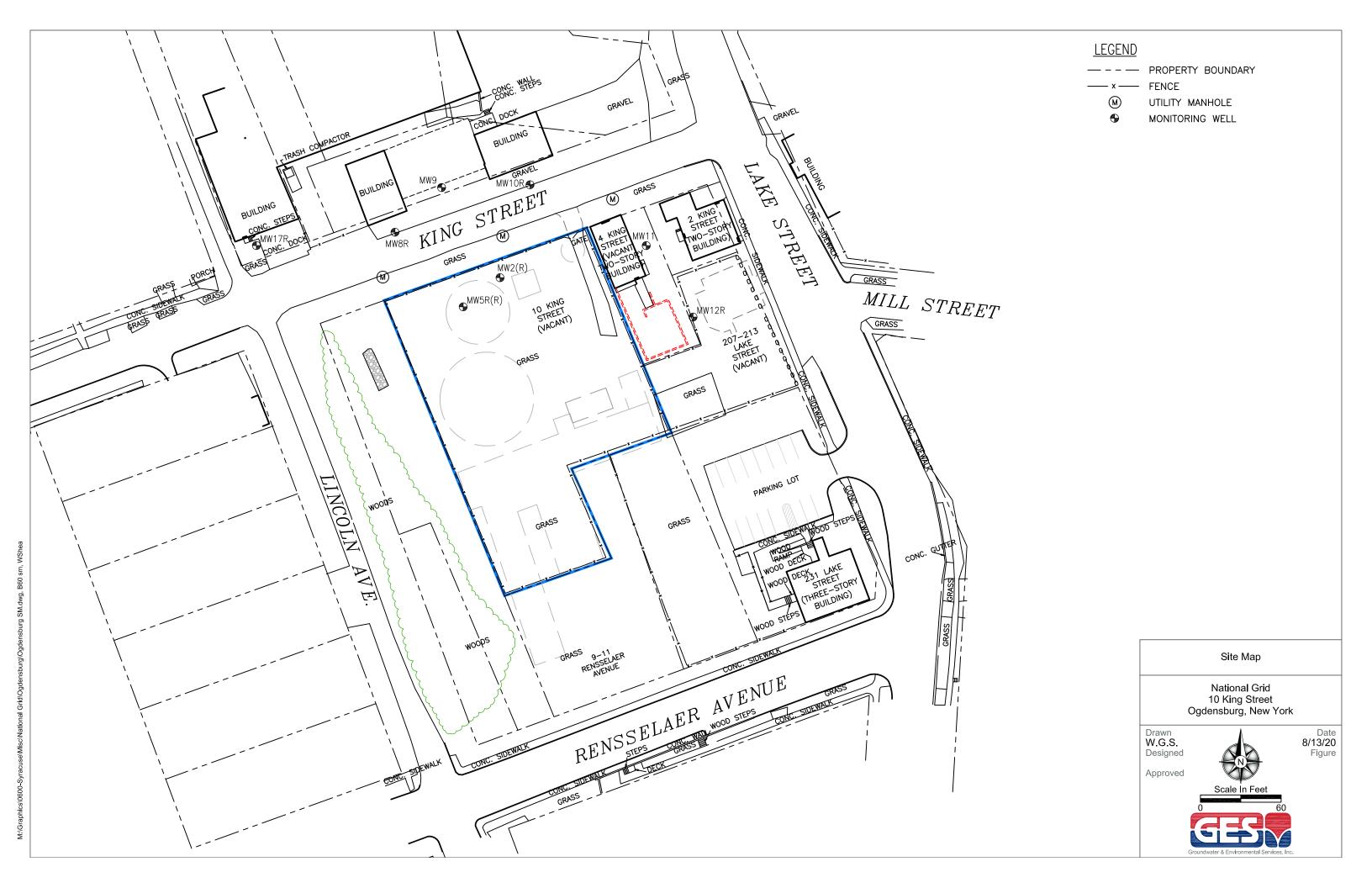
Source: USGS 7.5 Minute Series Topographic Quadrangle, 1963 Ogdensburg East, New York Contour Interval = 10'



Site Location Map

National Grid 10 King Street Ogdensburg, New York





Reporting Period – February 17, 2021 through February 17, 2022

REFERENCES

Arcadis, 2018. "Site Management Plan, Ogdensburg (King Street) Non-Owned Former MGP Site", September 2018.

Reporting Period – February 17, 2021 through February 17, 2022

Attachment 1: Site Inspection Forms

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site

Date:	1/20/2022	Ogdensburg, New York	Time:	10:30
Technician:	KL	NYSDEC Site No. V00479	Weather:	Sunny 2

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:			
Have the lawns been mowed?	YES	NO	COMMENTS: winter			

Soil Cover System					
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:		
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:		
Any surface erosion?	YES	NO	COMMENTS:		
Any settlement?	YES	NO	COMMENTS:		
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:		
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:		

NG Owned Property on Lake Street - Not part of the SMP							
Any repairs, maintenace or corrective actions since the last inspection?	YES			NO	COMMENTS:		
Have the lawns been mowed?	YES	ES NO		NO	COMMENTS:		
Conditon of the sidewalks?	GOOD	F.A	MR	POOR	COMMENTS:		
Condition of the site trees?	GOOD	F/	MR	POOR	COMMENTS:		
Are the boulders in place?	YES			NO	COMMENTS:		

Miscellaneous						
Evidence of Trespassing	YES		NO		COMMENTS:	
Litter	NONE	MIN	IOR	SIGNIFICANT	COMMENTS:	

Site Monitoring Wells				
Well ID.	Location Secure			
MW-2(R)	YES	NO		
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

General Comments:

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site

Date:	10/20/2021	Ogdensburg, New York	Time:	8:15
echnician:	KL	NYSDEC Site No. V00479	Weather:	Sunny 55

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS: Fence line clearing		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:			
Have the lawns been mowed?	YES	NO	COMMENTS:			

Soil Cover System					
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:		
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:		
Any surface erosion?	YES	NO	COMMENTS:		
Any settlement?	YES	NO	COMMENTS:		
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:		
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:		

NG Owned Property on Lake Street - Not part of the SMP							
Any repairs, maintenace or corrective actions since the last inspection?	YES NO		NO	COMMENTS: Fence line clearing			
Have the lawns been mowed?	YES		NO		COMMENTS:		
Conditon of the sidewalks?	GOOD	FA	AIR	POOR	COMMENTS:		
Condition of the site trees?	GOOD	F/	AIR	POOR	COMMENTS:		
Are the boulders in place?	YES			NO	COMMENTS:		

Miscellaneous						
Evidence of Trespassing	YES			NO	COMMENTS:	
Litter	NONE	MIN	IOR	SIGNIFICANT	COMMENTS:	

Site Monitoring Wells				
Well ID.	Location	Secure		
MW-2(R)	YES	NO		
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

General Comments:

All wells are secure and in good condition.

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site Ogdensburg, New York

Date:	7/15/2021	Ogdensburg, New York	Time:	8:00
Technician:	KL	NYSDEC Site No. V00479	Weather:	Sunny 72

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:			
Have the lawns been mowed?	YES	NO	COMMENTS:			

Soil Cover System					
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:		
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:		
Any surface erosion?	YES	NO	COMMENTS:		
Any settlement?	YES	NO	COMMENTS:		
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:		
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:		

NG Owned Property on Lake Street - Not part of the SMP							
Any repairs, maintenace or corrective actions since the last inspection?	YES NO			COMMENTS:			
Have the lawns been mowed?	YES			NO	COMMENTS:		
Conditon of the sidewalks?	GOOD	F.A	AIR	POOR	COMMENTS:		
Condition of the site trees?	GOOD	F/	AIR	POOR	COMMENTS:		
Are the boulders in place?	YES			NO	COMMENTS:		

Miscellaneous						
Evidence of Trespassing	YES			NO	COMMENTS:	
Litter	NONE	MIN	IOR	SIGNIFICANT	COMMENTS:	

Site Monitoring Wells				
Well ID.	Location	Secure		
MW-2(R)	YES	NO		
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

General Comments:

All wells are secure and in good condition.

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site Ogdensburg, New York

Date:	4/15/2021	Ogdensburg, New York	Time:	9:00
Гесhnician:	GE	NYSDEC Site No. V00479	Weather:	Cloudy 50's

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain					
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:		
Have the lawns been mowed?	YES	NO	COMMENTS:		

Soil Cover System							
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:				
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:				
Any surface erosion?	YES	NO	COMMENTS:				
Any settlement?	YES	NO	COMMENTS:				
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:				
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:				

NG Owned Property on Lake Street - Not part of the SMP							
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO		COMMENTS:		
Have the lawns been mowed?	YES		NO		COMMENTS:		
Conditon of the sidewalks?	GOOD	FAIR		POOR	COMMENTS:		
Condition of the site trees?	GOOD	F/	MR	POOR	COMMENTS:		
Are the boulders in place?	YES		NO		COMMENTS:		

Miscellaneous						
Evidence of Trespassing	YES NO COMMENTS:					
Litter	NONE	MIN	IOR	SIGNIFICANT	COMMENTS:	

Site Monitoring Wells					
Well ID.	Location Secure				
MW-2(R)	YES	NO			
MW-5R(R)	YES	NO			
MW-8R	YES	NO			
MW-9	YES	NO			
MW-10R	YES	NO			
MW-11	YES	NO			
MW-12R	YES	NO			
MW-14R	YES	NO			
MW-15	YES	NO			
MW-15RS	YES	NO			
MW-17R	YES	NO			
MW-19R	YES	NO			
MW-20R	YES	NO			

General Comments:

Reporting Period – February 17, 2021 through February 17, 2022

Attachment 2: PRR Certification Form



Enclosure 2 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



Site No.	645053	Site Details	Box 1	
Site Name	e NM - Ogdensbu	rg MGP		
City/Town County: St	ess: 10 King St. : Ogdensburg t Lawrence age: 0.958	Zip Code: 13669		
Reporting	Period: February	17, 2021 to February 17, 2022		
			YES	NO
1. Is the	information above	correct?	X	
If NO,	include handwritte	n above or on a separate sheet.		
		e property been sold, subdivided, merged, or undergone ang this Reporting Period?		X
	nere been any chan SNYCRR 375-1.11(ge of use at the site during this Reporting Period d))?		X
		and/or local permits (e.g., building, discharge) been issued ng this Reporting Period?		$\bar{\mathbf{X}}$
		questions 2 thru 4, include documentation or evidence been previously submitted with this certification form		
5. Is the	site currently under	rgoing development?		X
			Box 2	!
			YES	NO
	current site use con nercial and Industria	nsistent with the use(s) listed below?	X	
7. Are al	I ICs in place and fo	unctioning as designed?	X	
		O EITHER QUESTION 6 OR 7 IS NO, sign and date below IPLETE THE REST OF THIS FORM. Otherwise continue.	and	
A Correct	ive Measures Work	Plan must be submitted along with this form to address	these is	sues.
Signature	of Owner, Remedial	Party or Designated Representative Date		

SITE NO. 645053 Box 3

Description of Institutional Controls

Parcel Owner Institutional Control

48.078-5-19 St. Lawrence Gas Company

Ground Water Use Restriction

Landuse Restriction Site Management Plan

Deed Restriction was filed on October 10, 2006. A Site Management Plan was approved on September 26, 2018 (see Site # 645053).

48.078-5-25.1 NMPC. d/b/a National Grid

Ground Water Use Restriction

Landuse Restriction Site Management Plan

The Easement was recorded on March 22, 2018. The Site Management Plan was approved on September 26, 2018.

Box 4

Description of Engineering Controls

<u>Parcel</u> <u>Engineering Control</u>

48.078-5-19

Cover System

Fencing/Access Control

The Engineering controls for the site include a site cover system and fencing to control access. The property is restricted to commercial use and groundwater use is also prohibited.

48.078-5-25.1

Cover System

Fencing/Access Control

The Engineering controls in place include a cover system, restriction of land use to commercial, groundwater use prohibited, and site fencing to control access.

	Periodic Review Report (PRR) Certification Statements
1.	I certify by checking "YES" below that:
	a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;
	 b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.
	YES NO
	$ar{\mathbf{X}}$
2.	For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:
	(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
	(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
	(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
	(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
	(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.
	YES NO
	old X
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.
	A Corrective Measures Work Plan must be submitted along with this form to address these issues.
	Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS SITE NO. 645053

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I <u>Gerald Cresap, PE</u> at <u>6780 Northern Blvd. Suite 100</u> print name print busi	, East Syracuse, NY 13057, ness address
am certifying asagent for National Grid	(Owner or Remedial Party)
for the Site named in the Site Details Section of this form. Signature of Owner, Remedial Party, or Designated Representative Rendering Certification	3-9-2022 Date
087401	

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I Gerald Cresap, PE at 6780 Northern Blvd. Suite 100, East Syrcause, NY 13057, print name print business address

am certifying as a Qualified Environmental Professional for the <u>agent for National Grid</u>
(Owner or Remedial Party)

Signature of Qualified Environmental Professional for the Owner or Remedial Party, Rendering Certification FESSI

Date

quired for PE)

Reporting Period – February 17, 2021 through February 17, 2022

Attachment 3: Annual Monitoring Report





February 1, 2022

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

10 King Street, Ogdensburg, New York Annual Groundwater Monitoring Report

Dear Mr. Deyette:

Enclosed for your review is the Annual Groundwater Monitoring Report for the NG Ogdensburg MGP Site, for 2021.

Groundwater and Environmental Service, Inc., (GES) OM&M contractor for National Grid, conducts all long-term OM&M activities at the site. Semi-annual site inspections were conducted in 2021 (January, April, July, and October). The site is generally in good shape and in compliance. There were detection of BTEX and/or PAHs in all thirteen monitoring wells sampled.

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

Annual Groundwater Monitoring Report



National Grid Ogdensburg, Former MGP Site 10 King Street, Ogdensburg, NY 13669

February 2022

Version 1





Annual Groundwater Monitoring Report

National Grid Ogdensburg, Former MGP Site 10 King Street Ogdensburg, NY 13669

Prepared for: National Grid 300 Erie Boulevard West, C-1 Syracuse, NY 13202

Prepared by:

Groundwater & Environmental Services, Inc. 6780 Northern Boulevard, Suite 100 East Syracuse, NY 13057 TEL: 800-220-3069 www.gesonline.com

GES Project: 0603275.136690.221

Date:

February 1, 2022

Devin T. Shay, PG

Program Manager / Principal Hydrogeologist



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Figure 1 – Site Map

Figure 2 – Groundwater Contour Map, April 15, 2021

Figure 3 – Groundwater Contour Map, October 20, 2021

Figure 4 - Groundwater Analytical Map, April 15, 2021

Figure 5 – Groundwater Analytical Map, October 20, 2021

Tables

Table 1 – Groundwater Monitoring Well Gaguing Data

Table 2 - Groundwater Analytical Data

Appendices

Appendix A – Field Inspection Reports

Appendix B – Well Sampling Field Data

Appendix C – Data Usability Summary Report



1 Introduction

This Annual Groundwater Monitoring Report presents results from the activities conducted at the Ogdensburg former manufactured gas plant (MGP) site (the site) located in Ogdensburg, New York (the Site). A site map is presented on Figure 1. The work summarized herein has been conducted in accordance with the approved Site Management Plan (SMP) for the site, dated September 26, 2018.

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 April and October 2021 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 New York State Department of Environmental Conservation (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 April 15, 2021 and October 20, 2021groundwater monitoring field activities were conducted by GES. Prior to collecting groundwater samples, static fluid level measurements were collected from MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, MW-14R, MW-15, MW-15RS, MW-17R, MW-19R, and MW-20R. 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 April 15, 2021 and October 20, 2021, is included on Figure 2 and Figure 3, respectfully.

Groundwater generally flows to the north from the Site toward the St. Lawrence River. Groundwater elevations ranged from 248.29 feet above sea level (asl; well MW-15) to 257.29 feet asl (well MW-5R(R)). Field data from the gauging event is presented in Appendix B.



2.3 Groundwater Well Sampling and Analytical Results

Groundwater samples were collected by GES from 13 monitoring wells on April 15, 2021 and October 20, 2021 (including MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, MW-14R, MW-15, MW-15RS, MW-17R, MW-19R, and MW-20R). 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 B.

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), Semi-Volatile Polycyclic Aromatic Hydrocarbons (PAHs; EPA Method 8270D), as well as total cyanide (EPA Method 9012B). 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 Figures 4 and 5. The Data Usability Summary Report (DUSR) is included in Appendix C.

There were BTEX and/or PAH detections in all the monitoring wells sampled during the April and October 2021 sampling event. In April 2021, BTEX, acenapthene, benzo(a)anthracene, benzo(k)fluoranthene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, naphthalene were detected above the regulatory criteria in one or more samples. Cyanide was detected in monitoring wells MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, and MW-15RS during the April 2021 event. In October 2021, BTEX, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, naphthalene were detected above the regulatory criteria in one or more samples. Cyanide was detected in monitoring wells MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, and MW-15RS in October 2021. As shown on Table 2, BTEX, PAHs and total cyanide detected in groundwater during the April and October 2021 sampling events are consistent with results from previous sampling events.



3 Quarterly Site-Wide Inspections

The quarterly site-wide inspections were conducted on January 21, April 15, July 15, and October 20, 2021. The Site Inspection Forms are presented in Appendix A. In general, the Site is in compliance.

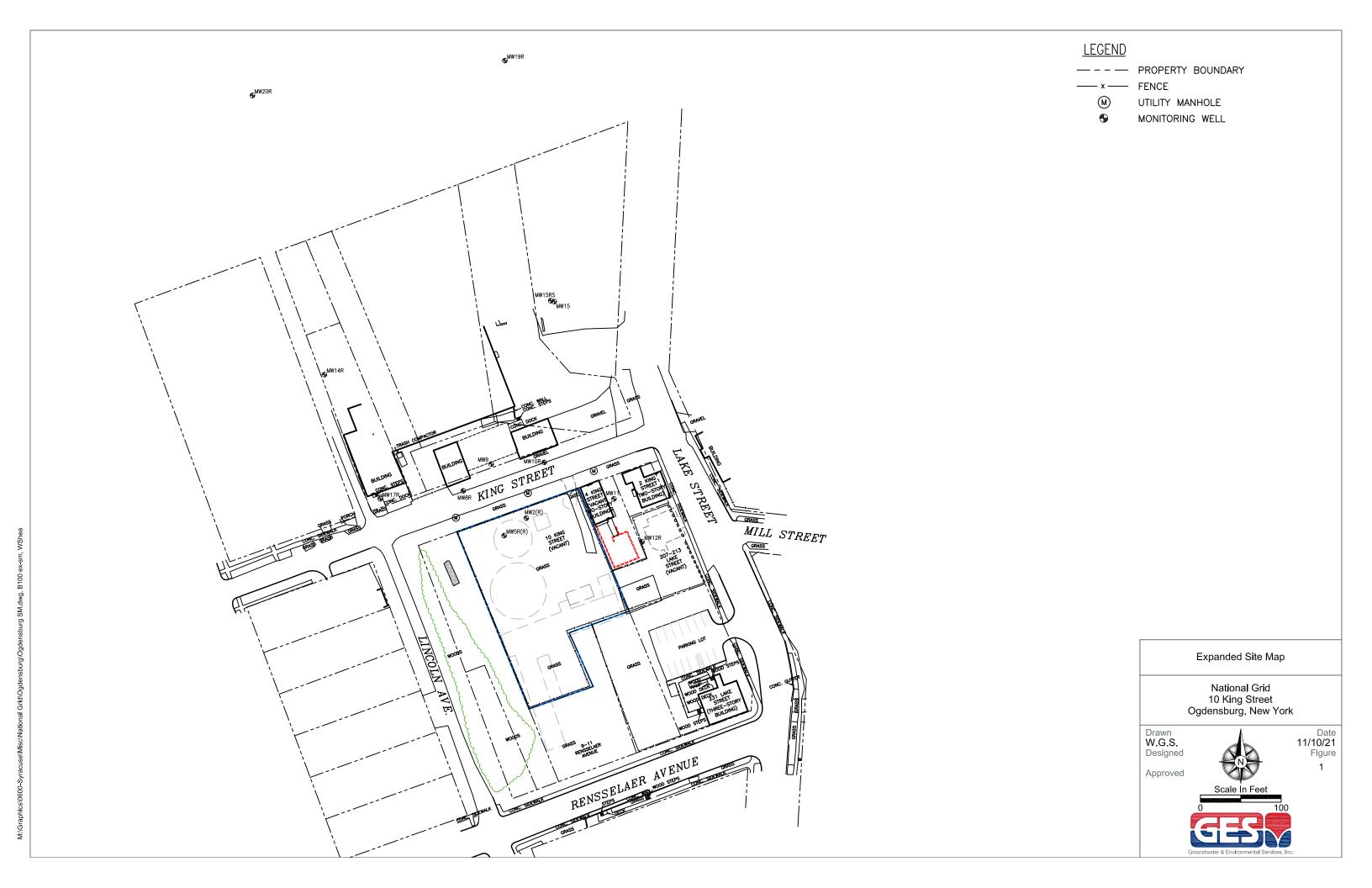
4 Recommendations

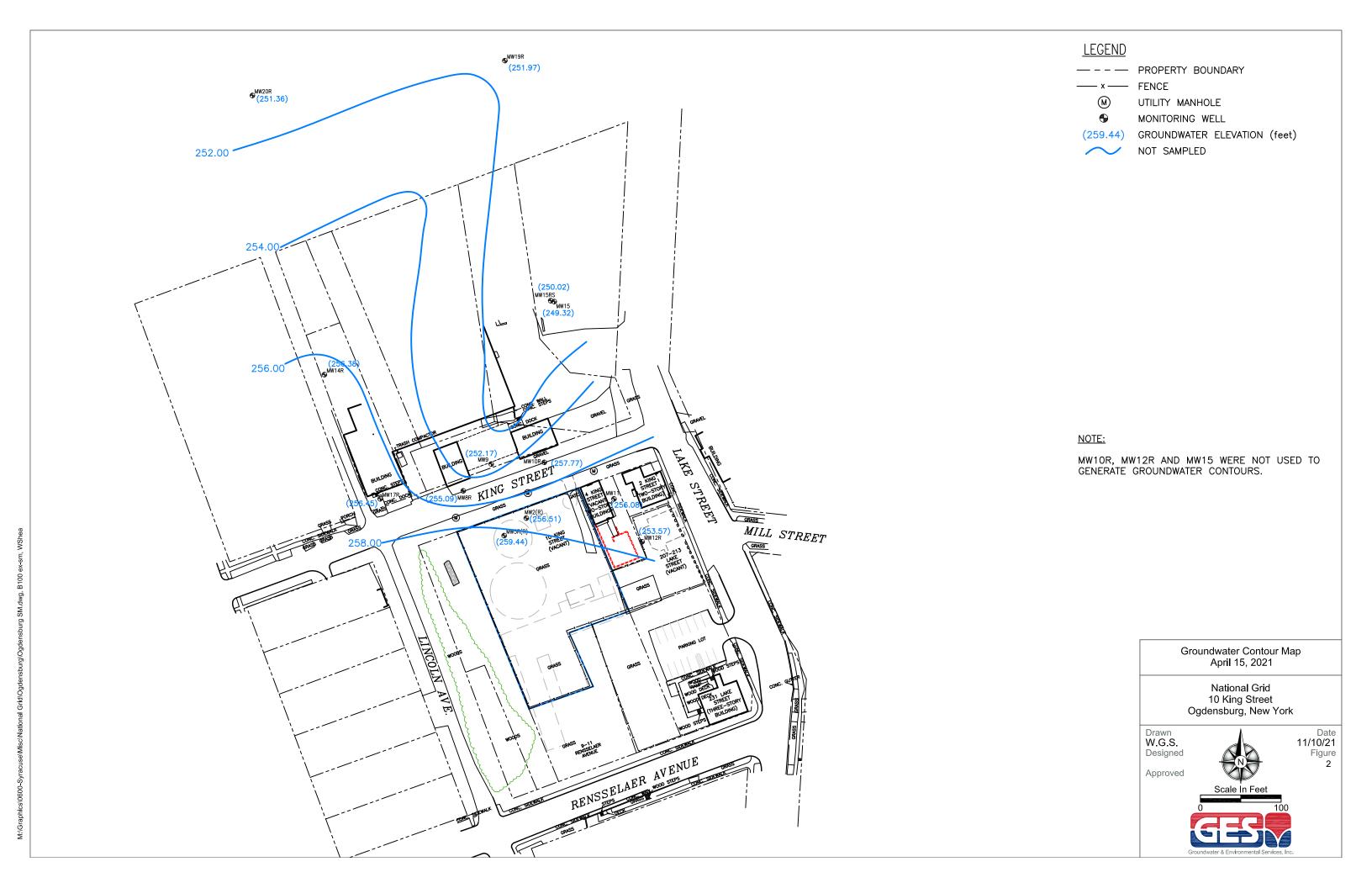
4.1 Recommendations

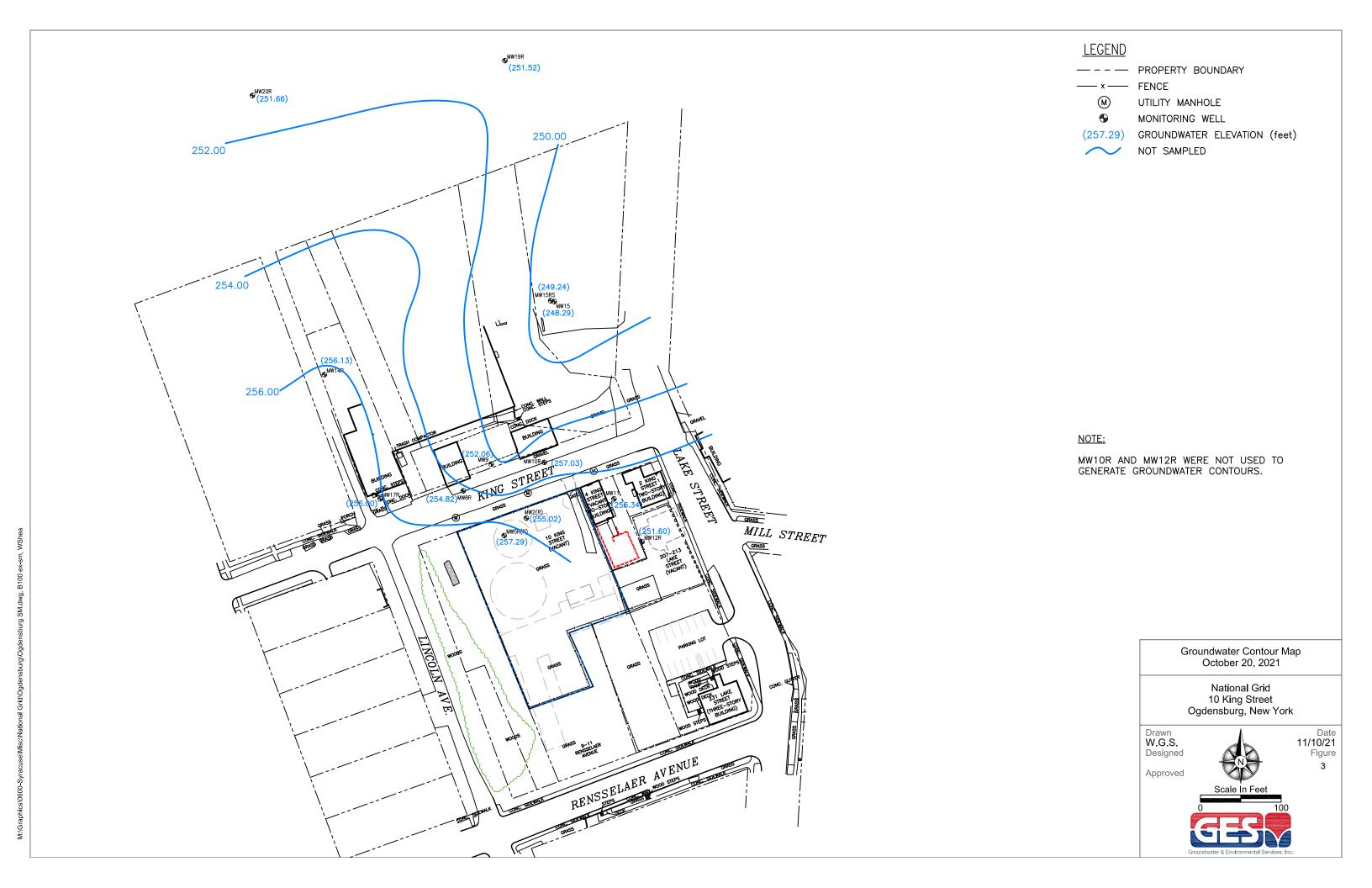
At this time, National Grid recommends continuing the annual monitoring activities. The next annual groundwater sampling event would be in the spring 2022. Semi-Annual site-wide inspections are required; however, for internal security purposes, National Grid will continue to conduct quarterly site-wide inspections.



Figures











Annual Groundwater Monitoring Report National Grid Ogdensburg Former MGP Site 10 King Street, Ogdensburg, New York



Tables



Table 1

Groundwater Monitoring Well Gauging Data

Well ID	Well Type & Diameter	Groundwater Elevation (07/14/20)	Depth To Water (10/01/20)	Groundwater Elevation (10/01/20)	Depth To Water (4/15/21)	Groundwater Elevation (4/15/21)	Depth To Water (10/20/21)	Groundwater Elevation (10/20/21)
MW-2(R)	Flushmount; PVC; 2-inch	254.38	3.92	255.28	2.69	256.51	4.18	255.02
MW-5R(R)	Flushmount; PVC; 2-inch	254.28	2.75	256.65	-0.04	259.44	2.11	257.29
MW-8R	Flushmount; PVC; 2-inch	253.86	2.20	255.18	2.29	255.09	2.56	254.82
MW-9	Flushmount; PVC; 2-inch	252.12	4.85	252.15	4.83	252.17	4.94	252.06
MW-10R	Flushmount; PVC; 2-inch	256.42	0.50	257.08	-0.19	257.77	0.55	257.03
MW-11	Flushmount; PVC; 2-inch	255.45	3.49	255.58	2.99	256.08	3.73	255.34
MW-12R	Flushmount; PVC; 2-inch	250.47	9.34	251.45	7.22	253.57	9.19	251.60
MW-14R	Flushmount; PVC; 2-inch	253.66	0.00	256.13	-0.25	256.38	0.00	256.13
MW-15	Flushmount; PVC; 2-inch	248.40	8.06	248.56	7.30	249.32	8.33	248.29
MW-15RS	Flushmount; PVC; 2-inch	250.41	8.40	249.34	7.72	250.02	8.50	249.24
MW-17R	Flushmount; PVC; 2-inch	255.81	7.16	256.13	6.84	256.45	7.29	256.00
MW-19R	Flushmount; PVC; 2-inch	249.18	4.32	251.20	3.55	251.97	4.00	251.52
MW-20R	Flushmount; PVC; 2-inch	250.48	0.00	251.86	0.50	251.36	0.20	251.66



Table 2

Groundwater Analytical Data

MW-2(R)

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/23/14	10/20/17	07/14/20	10/01/20	04/15/21	10/20/21
втех								
Benzene	1	μg/L	61	120	55.4	44.3	49.1	45.2
Ethylbenzene	5	μg/L	ND	3	1.5	1.6	2.0	1.3
Toluene	5	μg/L	29	44	22.4	19.4	23.1	17.8
Total Xylenes	5	μg/L	23	36	20.7	17.8	23.1	17.1
SVOCs								
Acenaphthene	20	μg/L	1.8 J	4 J	3.5	3.0	4.9	10.7
Acenaphthylene		μg/L	7.7	18	16.2	12.6	20.7	44.9
Anthracene	50	μg/L	1.7 J	3 J	2.6	1.8	2.2	6.7
Benzo(a)anthracene	0.002	μg/L	3.3	ND	0.13	0.37	ND	ND
Benzo(a)pyrene	ND	μg/L	2.8	ND	ND	0.38	ND	ND
Benzo(b)fluoranthene	0.002	μg/L	3.5	ND	ND	0.50	ND	ND
Benzo(g,h,i)perylene		μg/L	1.6 J	ND	ND	0.23	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	1.4 J	ND	ND	0.17	ND	ND
Chrysene	0.002	μg/L	2.6	ND	ND	0.29	ND	ND
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	6.9	ND	1.2	1.3	0.98	2.9
Fluorene	50	μg/L	2.3	7	6.2	5.2	7.7	22.1
Indeno(1,2,3-cd)pyrene	0.002	μg/L	1.4 J	ND	ND	0.23	ND	ND
2-Methylnapthalene		μg/L	5.8	20	17.9	17.1	22.5	50.1
Naphthalene	10	μg/L	120	270	210	270	327	622
Phenanthrene	50	μg/L	4.1	6	5.0	4.1	5.5	17.7
Pyrene	50	μg/L	5.4	ND	0.74	0.92	0.61	1.7
Inorganics								
Cyanide, Total	200	μg/L	900	530	240	4,100	390	4,900

Notes:

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

= Results exceeded calibration range

= Compound quantitated using a secondary dilution D

= 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

MW-5R(R)

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/22/14	10/20/17	07/14/20	10/01/20	04/15/21	10/20/21
втех								
Benzene	1	μg/L	130	440	392	354	144	231
Ethylbenzene	5	μg/L	7.0	26	27.3	24.3	11.6	16.8
Toluene	5	μg/L	3.0	70	82.6	65.0	21.8	25.5
Total Xylenes	5	μg/L	6.4	53	78.9	58.7	24.2	33.7
SVOCs								
Acenaphthene	20	μg/L	9.8	71	44.9	38.8	26.8	28.5
Acenaphthylene		μg/L	6.6	40	31.9	24.6	14.1	16.6
Anthracene	50	μg/L	0.50 J	8	4.9	3.1	0.85	2.0
Benzo(a)anthracene	0.002	μg/L	ND	ND	0.11	ND	ND	ND
Benzo(a)pyrene	ND	μg/L	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene		μg/L	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Chrysene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	ND	6	4.2	2.4	1.6	2.0
Fluorene	50	μg/L	4.7	48	28.4	23.8	18.5	21.6
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	ND	ND	ND	ND
2-Methylnapthalene		μg/L	ND	6	10.3	7.9	3.9	4.3
Naphthalene	10	μg/L	4.1	210	248	315	86.6	110
Phenanthrene	50	μg/L	2.6	41	25.2	20.7	14.7	17.7
Pyrene	50	μg/L	ND	5	3.5	2.1	1.4	1.6
Inorganics								
Cyanide, Total	200	μg/L	10	55	55	49	17	34

Notes:

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

= Results exceeded calibration range

= Compound quantitated using a secondary dilution D

= Analyte was detected at a concentration less than the laboratory reporting limit ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Table 2

MW-8R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21
втех								
Benzene	1	μg/L	550	800	1,300	576	431	623
Ethylbenzene	5	μg/L	13	14	66.2	13.6	9.5	20.7
Toluene	5	μg/L	10	20	75.2	9.2	5.6	20.2
Total Xylenes	5	μg/L	19	27	132	18.0	12.5	32.6
SVOCs								
Acenaphthene	20	μg/L	5.6	10	16.2	7.6	8.2	12.6
Acenaphthylene		μg/L	6.7	10	23.4	5.4	3.3	12.9
Anthracene	50	μg/L	0.94 J	0.9	2.9	0.68	ND	1.5
Benzo(a)anthracene	0.002	μg/L	ND	ND	0.48	0.48	0.11	0.39
Benzo(a)pyrene	ND	μg/L	ND	ND	0.28	0.36	ND	0.22
Benzo(b)fluoranthene	0.002	μg/L	ND	ND	0.31	0.38	ND	0.33
Benzo(g,h,i)perylene		μg/L	ND	ND	0.10	0.13	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	0.10	0.18	ND	0.28
Chrysene	0.002	μg/L	0.39 J	ND	0.28	0.32	ND	0.22
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	1.5 J	0.7	2.5	1.2	0.61	1.6
Fluorene	50	μg/L	4.40	7	15.6	4.5	4.6	10.1
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	0.10	0.14	ND	ND
2-Methylnapthalene		μg/L	3.7	3	15.0	2.5	1.4	10.2
Naphthalene	10	μg/L	33	51	333	37.9	35.8	109
Phenanthrene	50	μg/L	2.7	2	9.2	1.7	1.3	4.0
Pyrene	50	μg/L	1.1 J	0.5	1.8	0.97	0.45	1.2
Inorganics								
Cyanide, Total	200	μg/L	59	320	54	58	26	17

Notes:

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

= Results exceeded calibration range

= Compound quantitated using a secondary dilution D

= Analyte was detected at a concentration less than the laboratory reporting limit ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Table 2

MW-9

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21
втех								
Benzene	1	μg/L	280	340	283	228	165	259
Ethylbenzene	5	μg/L	120	140	112	107	65.3	111
Toluene	5	μg/L	170	85	50.8	16.3	9.6	21.3
Total Xylenes	5	μg/L	250	180	91.7	52.1	53.0	49.5
SVOCs								
Acenaphthene	20	μg/L	76	48	30.2	55.5	59.9	52.8
Acenaphthylene		μg/L	29	17	8.6	11.0	21.6	21.9
Anthracene	50	μg/L	11	8	2.6	11.4	7.3	19.7
Benzo(a)anthracene	0.002	μg/L	ND	2	0.21	5.80	2.5	18.5
Benzo(a)pyrene	ND	μg/L	ND	1	ND	4.4	1.6	12.7
Benzo(b)fluoranthene	0.002	μg/L	ND	1	ND	4.8	2.1	18.0
Benzo(g,h,i)perylene		μg/L	ND	0.4 J	ND	1.5	0.46	4.5
Benzo(k)fluoranthene	0.002	μg/L	ND	0.5 J	ND	1.8	2.0	15.4
Chrysene	0.002	μg/L	ND	1	0.13	4.30	1.8	11.2
Dibenz(a,h)anthracene		μg/L	ND	0.2 J	ND	0.46	0.21	1.6
Fluoranthene	50	μg/L	6.0	8	2.2	19.2	8.7	37.4
Fluorene	50	μg/L	56	38	19.0	36.1	34.1	45.4
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	1	ND	1.5	0.49	4.3
2-Methylnapthalene		μg/L	14	1	ND	ND	ND	ND
Naphthalene	10	μg/L	450	72	18.1	9.1	51.2	10.3
Phenanthrene	50	μg/L	51	36	9.7	25.2	9.2	43.5
Pyrene	50	μg/L	3.5	5	1.2	12.7	6.1	28.1
Inorganics								
Cyanide, Total	200	μg/L	410	1,300	1,000	1,500	320	1,100

Notes:

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

= Results exceeded calibration range

= Compound quantitated using a secondary dilution D

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

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



Table 2

MW-10R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/23/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21
втех								
Benzene	1	μg/L	1,700 J	1,400	1,360	1,540	1,040	1,790
Ethylbenzene	5	μg/L	25 J	100	122	124	94.3	138
Toluene	5	μg/L	3.1	94	230	201	171	197
Total Xylenes	5	μg/L	15	65	161	150	125	161
SVOCs								
Acenaphthene	20	μg/L	9.6	24	16.8	25.3	22.0	29.8
Acenaphthylene		μg/L	6.0	23	22.7	27.5	31.9	34.1
Anthracene	50	μg/L	ND	0.5	0.80	0.89	0.89	ND
Benzo(a)anthracene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	μg/L	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene		μg/L	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Chrysene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	ND	ND	0.11	0.11	ND	ND
Fluorene	50	μg/L	3.9	11	8.1	11.4	9.7	13.2
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	ND	ND	ND	ND
2-Methylnapthalene		μg/L	ND	1	3.6	4.8	6.4	7.4
Naphthalene	10	μg/L	20 J	140	296	486	405	653
Phenanthrene	50	μg/L	1.3 J	2	1.6	2.4	1.8	2.3
Pyrene	50	μg/L	ND	ND	ND	ND	ND	ND
Inorganics								
Cyanide, Total	200	μg/L	420	190	63	62	74	61

Notes:

Results are presented in units of micrograms per liter ($\mu g/L$).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

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

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



Groundwater Analytical Data

MW-11

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21
ВТЕХ								
Benzene	1	μg/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	μg/L	ND	ND	ND	ND	ND	ND
Toluene	5	μg/L	ND	ND	ND	ND	ND	ND
Total Xylenes	5	μg/L	ND	ND	ND	ND	ND	ND
SVOCs								
Acenaphthene	20	μg/L	ND	ND	ND	ND	ND	ND
Acenaphthylene		μg/L	ND	ND	ND	ND	ND	ND
Anthracene	50	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	μg/L	ND	ND	0.11	ND	ND	ND
Benzo(a)pyrene	ND	μg/L	ND	ND	0.14	ND	ND	ND
Benzo(b)fluoranthene	0.002	μg/L	ND	ND	0.13	ND	0.12	ND
Benzo(g,h,i)perylene		μg/L	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	ND	ND	0.12	ND
Chrysene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	ND	ND	ND	ND	ND	ND
Fluorene	50	μg/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	ND	ND	ND	ND
2-Methylnapthalene		μg/L	ND	ND	0.19	ND	ND	ND
Naphthalene	10	μg/L	ND	ND	0.87	0.36	0.18	ND
Phenanthrene	50	μg/L	ND	ND	ND	ND	ND	ND
Pyrene	50	μg/L	ND	ND	ND	ND	ND	ND
Inorganics								
Cyanide, Total	200	μg/L	250	310	160	270	150	200

Notes:

Results are presented in units of micrograms per liter ($\mu g/L$).

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.



Table 2

MW-12R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21
втех								
Benzene	1	μg/L	2,600	2,900	1,420	2,440	2,470	2,520
Ethylbenzene	5	μg/L	130	110	67.6	86.7	87.3	104
Toluene	5	μg/L	7.4	15	5.8	13.8	16.1	13.2
Total Xylenes	5	μg/L	49	83	27.8	58.1	70.0	72.4
SVOCs								
Acenaphthene	20	μg/L	3.4	4	104	1.2	1.4	1.8
Acenaphthylene		μg/L	4.8	7	1.9	1.5	2.9	3.0
Anthracene	50	μg/L	ND	ND	ND	0.098	ND	ND
Benzo(a)anthracene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	μg/L	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene		μg/L	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Chrysene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	ND	ND	ND	ND	ND	ND
Fluorene	50	μg/L	ND	0.3 J	0.24	0.20	0.20	ND
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	ND	ND	ND	ND
2-Methylnapthalene		μg/L	ND	ND	ND	ND	ND	ND
Naphthalene	10	μg/L	31	92	6.1	19.7	52.7	39.5
Phenanthrene	50	μg/L	ND	ND	ND	ND	ND	ND
Pyrene	50	μg/L	ND	ND	ND	ND	ND	ND
Inorganics								
Cyanide, Total	200	μg/L	190	37	62	33	29	40

Notes:

Results are presented in units of micrograms per liter ($\mu g/L$).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

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

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



Groundwater Analytical Data

MW-14R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21
втех								
Benzene	1	μg/L	3.0	48	1.0	ND	1.6	1.8
Ethylbenzene	5	μg/L	ND	ND	ND	ND	ND	ND
Toluene	5	μg/L	ND	ND	ND	ND	ND	ND
Total Xylenes	5	μg/L	ND	ND	ND	ND	ND	ND
SVOCs								
Acenaphthene	20	μg/L	ND	ND	0.12	ND	ND	ND
Acenaphthylene		μg/L	ND	ND	ND	ND	ND	ND
Anthracene	50	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	μg/L	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene		μg/L	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Chrysene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	ND	ND	ND	ND	ND	ND
Fluorene	50	μg/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	ND	ND	ND	ND
2-Methylnapthalene		μg/L	ND	ND	0.14	ND	ND	0.12
Naphthalene	10	μg/L	ND	ND	0.96	ND	ND	0.99
Phenanthrene	50	μg/L	ND	ND	ND	ND	ND	ND
Pyrene	50	μg/L	ND	ND	ND	ND	ND	ND
Inorganics								
Cyanide, Total	200	μg/L	ND	ND	ND	ND	ND	ND

Notes:

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

= Results exceeded calibration range

= Compound quantitated using a secondary dilution D

= Analyte was detected at a concentration less than the laboratory reporting limit ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Table 2

MW-15

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21
втех								
Benzene	1	μg/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	μg/L	ND	ND	ND	ND	ND	ND
Toluene	5	μg/L	ND	ND	ND	ND	ND	ND
Total Xylenes	5	μg/L	ND	ND	ND	ND	ND	ND
SVOCs								
Acenaphthene	20	μg/L	ND	ND	0.15	ND	ND	ND
Acenaphthylene		μg/L	ND	ND	0.18	ND	ND	ND
Anthracene	50	μg/L	ND	ND	0.12	ND	ND	ND
Benzo(a)anthracene	0.002	μg/L	ND	ND	0.28	ND	ND	ND
Benzo(a)pyrene	ND	μg/L	ND	0.2 J	0.27	ND	ND	ND
Benzo(b)fluoranthene	0.002	μg/L	ND	0.2 J	0.29	ND	ND	ND
Benzo(g,h,i)perylene		μg/L	ND	0.2 J	0.13	ND	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	0.11	ND	ND	ND
Chrysene	0.002	μg/L	ND	ND	0.19	ND	ND	ND
Dibenz(a,h)anthracene		μg/L	ND	0.2 J	ND	ND	ND	ND
Fluoranthene	50	μg/L	ND	ND	0.45	ND	ND	0.11
Fluorene	50	μg/L	ND	0.3 J	0.13	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	0.12	ND	ND	ND
2-Methylnapthalene		μg/L	ND	ND	0.2	ND	ND	ND
Naphthalene	10	μg/L	ND	ND	1.0	0.27	ND	ND
Phenanthrene	50	μg/L	ND	0.1 J	0.28	ND	ND	ND
Pyrene	50	μg/L	0.35 J	0.3 J	0.4	ND	ND	ND
Inorganics								
Cyanide, Total	200	μg/L	ND	ND	15	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter ($\mu g/L$).

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.



Groundwater Analytical Data

MW-15RS

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/22/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21
ВТЕХ								
Benzene	1	μg/L	750	170	4.8	9.7	49.6	79.0
Ethylbenzene	5	μg/L	ND	ND	ND	ND	ND	ND
Toluene	5	μg/L	0.54 J	ND	ND	ND	ND	ND
Total Xylenes	5	μg/L	ND	ND	ND	ND	ND	ND
SVOCs								
Acenaphthene	20	μg/L	ND	ND	ND	ND	ND	ND
Acenaphthylene		μg/L	ND	ND	ND	ND	ND	ND
Anthracene	50	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	μg/L	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene		μg/L	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Chrysene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	ND	ND	ND	ND	ND	ND
Fluorene	50	μg/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	ND	ND	ND	ND
2-Methylnapthalene		μg/L	ND	ND	0.14	ND	ND	ND
Naphthalene	10	μg/L	ND	ND	0.85	0.52	0.14	ND
Phenanthrene	50	μg/L	ND	ND	ND	ND	ND	ND
Pyrene	50	μg/L	ND	ND	ND	ND	ND	ND
Inorganics								
Cyanide, Total	200	μg/L	160	64	67	41	51	54

Notes:

Results are presented in units of micrograms per liter ($\mu g/L$).

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.



Groundwater Analytical Data

MW-17R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21
втех								
Benzene	1	μg/L	ND	ND	ND	ND	1.7	2.9
Ethylbenzene	5	μg/L	ND	ND	ND	ND	ND	ND
Toluene	5	μg/L	ND	ND	ND	ND	ND	ND
Total Xylenes	5	μg/L	ND	ND	ND	ND	ND	ND
SVOCs								
Acenaphthene	20	μg/L	ND	ND	ND	ND	ND	ND
Acenaphthylene		μg/L	ND	ND	ND	ND	ND	0.30
Anthracene	50	μg/L	ND	ND	ND	ND	ND	0.13
Benzo(a)anthracene	0.002	μg/L	ND	ND	ND	ND	ND	0.18
Benzo(a)pyrene	ND	μg/L	ND	ND	ND	ND	ND	0.11
Benzo(b)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	0.17
Benzo(g,h,i)perylene		μg/L	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	0.14
Chrysene	0.002	μg/L	ND	ND	ND	ND	ND	0.11
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	ND	ND	ND	ND	ND	0.28
Fluorene	50	μg/L	ND	ND	ND	ND	ND	0.21
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	ND	ND	ND	ND
2-Methylnapthalene		μg/L	ND	ND	ND	ND	ND	0.35
Naphthalene	10	μg/L	ND	ND	0.13	0.37	0.21	1.9
Phenanthrene	50	μg/L	ND	ND	ND	ND	ND	0.44
Pyrene	50	μg/L	ND	ND	ND	ND	ND	0.23
Inorganics								
Cyanide, Total	200	μg/L	ND	ND	ND	ND	ND	ND

Notes:

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

= Results exceeded calibration range

= Compound quantitated using a secondary dilution D

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

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



Groundwater Analytical Data

MW-17R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21
ВТЕХ								
Benzene	1	μg/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	μg/L	ND	ND	ND	ND	ND	ND
Toluene	5	μg/L	ND	ND	ND	ND	ND	ND
Total Xylenes	5	μg/L	ND	ND	ND	ND	ND	ND
SVOCs								
Acenaphthene	20	μg/L	ND	ND	ND	ND	ND	ND
Acenaphthylene		μg/L	ND	ND	ND	ND	ND	ND
Anthracene	50	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	μg/L	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene		μg/L	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Chrysene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	ND	ND	ND	ND	ND	ND
Fluorene	50	μg/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	ND	ND	ND	ND
2-Methylnapthalene		μg/L	ND	ND	ND	ND	ND	ND
Naphthalene	10	μg/L	ND	ND	0.30	0.12	ND	ND
Phenanthrene	50	μg/L	ND	ND	ND	ND	ND	ND
Pyrene	50	μg/L	ND	ND	ND	ND	ND	ND
Inorganics								
Cyanide, Total	200	μg/L	ND	ND	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter ($\mu g/L$).

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.



Groundwater Analytical Data

MW-20R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21
втех								
Benzene	1	μg/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	μg/L	ND	ND	ND	ND	ND	ND
Toluene	5	μg/L	ND	ND	ND	ND	ND	ND
Total Xylenes	5	μg/L	ND	ND	ND	ND	ND	ND
SVOCs								
Acenaphthene	20	μg/L	ND	ND	ND	ND	ND	ND
Acenaphthylene		μg/L	ND	ND	ND	ND	ND	ND
Anthracene	50	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	μg/L	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene		μg/L	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Chrysene	0.002	μg/L	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene		μg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	μg/L	ND	ND	ND	ND	ND	ND
Fluorene	50	μg/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	μg/L	ND	ND	ND	ND	ND	ND
2-Methylnapthalene		μg/L	ND	ND	0.14	ND	ND	ND
Naphthalene	10	μg/L	ND	ND	0.89	0.21	ND	0.21
Phenanthrene	50	μg/L	ND	ND	ND	ND	ND	ND
Pyrene	50	μg/L	ND	ND	ND	ND	ND	ND
Inorganics								
Cyanide, Total	200	μg/L	ND	ND	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter ($\mu g/L$).

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.

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Appendix A – Field Inspection Reports

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site

Date:	10/20/2021	Ogdensburg, New York	Time:	8:15
echnician:	KL	NYSDEC Site No. V00479	Weather:	Sunny 55

Site Wide						
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS: Fence line clearing			
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:			
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:			

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact? YES NO COMMENTS:						
Have the lawns been mowed?	YES	NO	COMMENTS:			

Soil Cover System						
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:			
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:			
Any surface erosion?	YES	NO	COMMENTS:			
Any settlement?	YES	NO	COMMENTS:			
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:			
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:			

NG Owned Property on Lake Street - Not part of the SMP							
Any repairs, maintenace or corrective actions since the last inspection?	YES NO		NO	COMMENTS: Fence line clearing			
Have the lawns been mowed?	YES		NO		COMMENTS:		
Conditon of the sidewalks?	GOOD	F.A	AIR	POOR	COMMENTS:		
Condition of the site trees?	GOOD	F/	AIR	POOR	COMMENTS:		
Are the boulders in place?	YES			NO	COMMENTS:		

Miscellaneous						
Evidence of Trespassing	YES		NO		COMMENTS:	
Litter	NONE	MIN	IOR	SIGNIFICANT	COMMENTS:	

Site Monitoring Wells				
Well ID.	Location	Secure		
MW-2(R)	YES	NO		
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

General Comments:

All wells are secure and in good condition.

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site

Date:	7/15/2021	Ogdensburg, New York	Time:	8:00
Technician:	KL	NYSDEC Site No. V00479	Weather:	Sunny 72

Site Wide						
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:			
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:			
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:			

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:			
Have the lawns been mowed?	YES	NO	COMMENTS:			

Soil Cover System						
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:			
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:			
Any surface erosion?	YES	NO	COMMENTS:			
Any settlement?	YES	NO	COMMENTS:			
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:			
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:			

NG Owned Property on Lake Street - Not part of the SMP							
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO		COMMENTS:		
Have the lawns been mowed?	YES			NO	COMMENTS:		
Conditon of the sidewalks?	GOOD	F.A	MR	POOR	COMMENTS:		
Condition of the site trees?	GOOD	F/	MR	POOR	COMMENTS:		
Are the boulders in place?	YES			NO	COMMENTS:		

Miscellaneous						
Evidence of Trespassing	YES			NO	COMMENTS:	
Litter	NONE	MIN	IOR	SIGNIFICANT	COMMENTS:	

Site Monitoring Wells				
Well ID.	Location	Secure		
MW-2(R)	YES	NO		
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

General Comments:

All wells are secure and in good condition.

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site Ogdensburg, New York

Date:	4/15/2021	Ogdensburg, New York	Time:	9:00
Гесhnician:	GE	NYSDEC Site No. V00479	Weather:	Cloudy 50's

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:			
Have the lawns been mowed?	YES	NO	COMMENTS:			

Soil Cover System					
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:		
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:		
Any surface erosion?	YES	NO	COMMENTS:		
Any settlement?	YES	NO	COMMENTS:		
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:		
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:		

NG Owned Property on Lake Street - Not part of the SMP						
Any repairs, maintenace or corrective actions since the last inspection?	YES			NO	COMMENTS:	
Have the lawns been mowed?	YES		NO		COMMENTS:	
Conditon of the sidewalks?	GOOD	FA	AIR	POOR	COMMENTS:	
Condition of the site trees?	GOOD	F/	AIR	POOR	COMMENTS:	
Are the boulders in place?	YES			NO	COMMENTS:	

Miscellaneous						
Evidence of Trespassing	YES			NO	COMMENTS:	
Litter	NONE	MIN	IOR	SIGNIFICANT	COMMENTS:	

Site Monitoring Wells				
Well ID.	Location Secure			
MW-2(R)	YES	NO		
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

General Comments:

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site Ogdensburg, New York

Date:	1/21/2021	Ogdensburg, New York	Time:	10:00
Technician:	KL	NYSDEC Site No. V00479	Weather:	Snow 23

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:			
Have the lawns been mowed?	YES	NO	COMMENTS: winter			

	Soil Cover S	System	
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:
Any surface erosion?	YES	NO	COMMENTS:
Any settlement?	YES	NO	COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Pro	perty on La	ake S	treet	- Not part	of the SMP
Any repairs, maintenace or corrective actions since the last inspection?	YES			NO	COMMENTS:
Have the lawns been mowed?	YES			NO	COMMENTS: winter
Conditon of the sidewalks?	GOOD	FA	MR	POOR	COMMENTS:
Condition of the site trees?	GOOD	F.A	MR	POOR	COMMENTS:
Are the boulders in place?	YES			NO	COMMENTS:

	Misc	ellan	eous		
Evidence of Trespassing	YES			NO	COMMENTS:
Litter	NONE	MIN	IOR	SIGNIFICANT	COMMENTS:

Site Monito	ring Well	's		
Well ID.	Location Secure			
MW-2(R)	YES	NO		
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

General Comments:



Appendix B – Well Sampling Field Data

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-2(R)	Yes	2"	2.69	NP	6.35	
MW-5R(R)	Yes	2"	-0.04	NP	24.30	ARTESIAN
MW-8R	Yes	2"	2.29	NP	20.92	MS/MSD
MW-9	Yes	2"	4.83	NP	6.35	9
MW-10R	Yes	2"	-0,19	NP	22.50	Ar Tesian, Field Duplicate
MW-11	Yes	2"	2.99	NP	6.51	,
MW-12R	Yes	2"	7.22	NP	21.40	
MW-14R	Yes	2"	-0,25	NP	50.80	ARTESIAN
MW-15	Yes	2"	7.30	NP	9.04	
MW-15RS	Yes	1"	7.72	NP	23.65	
MW-17R	Yes	2"	6.84	NP	26.90	-
MW-19R	Yes	2"	3,55	NP	38.05	
MW-20R	Yes	2"	0.50	NP	28.40	

DTW -depth to water

DTP -depth to product

DTB -depth to bottom

Sampling Personnel: GERNST, P. Lyon	Date: 4/15/21
Job Number: 0603200-136690-221	Weather: Rain 50°5
Well Id. MW-2(R)	Time In: 1400 Time Out: 1445
Well Information	
TOC Other	Well Type: Flushmount Stick-Up
Depth to Water: (feet) 2,69	Well Locked: Yes No
Depth to Bottom: (feet) 6.35	Measuring Point Marked: Yes No No
Depth to Product: (feet)	Well Material: PVC SS Other:
Length of Water Column: (feet) 3.66	Well Diameter: 1" 2" Other:
Volume of Water in Well: (gal) 0,59	Comments:
Three Well Volumes: (gal) 1,76	
Purging Information	
	Conversion Factors
Purging Method: Bailer Peristaltic Grundfo	gal/ft. 1" ID 2" ID 4" ID 6" ID
	ethylene of
Sampling Method: Bailer Peristaltic Grundfo	
Average Pumping Rate: (ml/min) ~250	1 gallon=3.785L=3785mL=1337cu. feet
Duration of Pumping: (min) 26	re
Total Volume Removed: (gal) /, Did well go dry?	Yes No No
Horiba U-52 Water Quality Meter Used? Yes No	
Time DTW Temp pH ORP	Conductivity Turbidity DO TDS
	The state of the s
(feet) (°C) (mV)	(mS/cm) (NTU) (mg/L) (g/L)
1405 2,69 9,91 9,61 -322	0,516 15,7 0,18 0.324
1405 2.69 9.91 9.61 -322	0,516 15,7 0,18 0.324
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1416 4.72 9.39 10.79 -340	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287 0.515 17,4 0,64 0.325
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315 1425 Opied 8.54 11.66 -306	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287 0.515 17,4 0,64 0.325
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315 1425 Opied 8.54 11.66 -306	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287 0.515 17,4 0,64 0.325
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315 1425 Opied 8.54 11.66 -306	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287 0.515 17,4 0,64 0.325
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315 1425 Opied 8.54 11.66 -306	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287 0.515 17,4 0,64 0.325
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315 1425 Opied 8.54 11.66 -306	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287 0.515 17,4 0,64 0.325
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315 1425 Opied 8.54 11.66 -306	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287 0.515 17,4 0,64 0.325
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315 1425 Opied 8.54 11.66 -306	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287 0.515 17,4 0,64 0.325
1405 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315 1425 Opied 8.54 11.66 -306 1435	0,516 15,7 0,18 0.324 0.421 11,2 0,19 0,272 0.435 11,4 0,16 0,287 0.515 17,4 0,64 0,325
1905	0,576 15,7 0,18 0.324 0,421 11,2 0,19 0,272 0,435 11,4 0,16 0,287 0,575 17,4 0,64 0,325 0,531 10,4 6.84 0,340
1905 2.69 9.91 9.61 -322 1410 3.77 9.57 10.19 -345 1415 4.72 9.39 10.79 -340 1420 5.77 8.90 11.20 -315 6.54 11.66 -306 1430 1435 143	0.576 15.7 0.18 $0.3240.421$ 11.2 0.19 $0.2720.435$ 11.4 0.16 $0.2870.575$ 17.4 0.64 $0.3250.531$ 10.4 6.84 0.340
1405	2 - 100 ml ambers 3 - 40 ml vials 0, 576 15,7 0,18 0,324 0,287 0,375 17,4 0,64 0,325 0,531 10,4 6.84 No No
1405	2 - 100 ml ambers 3 - 40 ml vials 1 - 250 ml plastic 2 - 100 ml plastic 2 - 100 ml plastic 2 - 100 ml plastic

»: 		1935 of Arter					
Sampling Personnel:	G. EnroT,	P Lyon		Date:	4/15/	21	
Job Number: 060	3200-136690-221			Weather:	Cloudy,	ITRain	50°5
Well Id. MW-5R	(R)			Time In:	1315	Time Out:	1400
Well Information	1						
		TOC	Other	Well Type		shmount	Stick-Up
Depth to Water:	(feet)	-0.04		Well Locke		Yes	No
Depth to Bottom:	(feet)	24.30			Point Marked:	Yes	No
Depth to Product:	(feet)	NP		Well Mate			her:
Length of Water Colur		24,04		Well Diam		' 2"_Oti	her:
Volume of Water in W		3.89		Comments	S:		
Three Well Volumes:	(gal)	11.68					
<u></u>							
Purging Information	on						
			22	<u></u>		Conversion F	actors
Purging Method:	Ba	ailer Perista	altic Grund	lfos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer Material	: Te	flon Stainless		lyethylene	of		
Sampling Method:		ailer Perista	ltic Grund	lfos Pump	water	0.04 0.16	0.66 1.47
Average Pumping Rate	e: (ml/min)	~ 250		1950 to commence a commence and a co	1 gall	lon=3.785L=3785r	nL=1337cu. feet
Duration of Pumping:	(min)	30					
Total Volume Remove	ed: (gal)	2.0	Did well go dry?	Yes No	X		
Horiba U-52 Water Qu	ality Meter Used?	Υ	es No				
Time DT\	W Temp	pH	ORP	Conductivity	Turbidity	DO	TDS
(fee	Sold Parket District		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
	(0)						
1320 -0,		8175	-292	0,672	46,2	0,37	0,424
		9,12	-292 -337	0,672	11.2	0,37	0.356
1325 119	9 10,60	9,12	-337 -350	0,535	11.2	0,09	0.356
1325 119 1330 3,0 1335 4.2	04 10,99 9 10,60 9 10,50 4 10,40	9,12 9,34 9,42	-337 -350 -348	0,535	1/12	0,09	0,356
1325 119 1330 3,0 1335 4.2 1340 5,0	04 10,99 19 10,60 19 10,50 14 10,40 17 10,23	9,12 9,34 9,42 9,50	-337 -350 -348 -350	0,553	11,2	0,09	0,356 0,340 0,335 0,339
1325 119 1330 3,0 1335 4.2 1340 5,0	04 10,99 19 10,60 19 10,50 14 10,40 07 10,23	9,12 9,34 9,42 9,50 9,60	-337 -350 -348 -350	0,553	1/12 13,9 7,7 2,7 2,5	0,09	0,356 0,340 0,335 0,339 0,344
1325 119 1330 3,0 1335 4.2 1340 5,0	04 10,99 19 10,60 19 10,50 4 10,40 07 10,23	9,12 9,34 9,42 9,50 9,60	-337 -350 -348 -350	0,553	11,2	0,09	0,356 0,340 0,335 0,339
1325 119 1330 3,0 1335 4.2 1340 5,0	04 10,99 19 10,60 19 10,50 14 10,40 07 10,23	9,12 9,34 9,42 9,50 9,60	-337 -350 -348 -350	0,553	1/12 13,9 7,7 2,7 2,5	0,09	0,356 0,340 0,335 0,339 0,344
1325 119 1330 3,0 1335 4.2 1340 5,0	04 10,99 19 10,60 19 10,50 14 10,40 07 10,23	9,12 9,34 9,42 9,50 9,60	-337 -350 -348 -350	0,553	1/12 13,9 7,7 2,7 2,5	0,09	0,356 0,340 0,335 0,339 0,344
1325 119 1330 3,0 1335 4.2 1340 5,0	04 10,99 19 10,60 19 10,50 14 10,40 07 10,23	9,12 9,34 9,42 9,50 9,60	-337 -350 -348 -350	0,553	1/12 13,9 7,7 2,7 2,5	0,09	0,356 0,340 0,335 0,339 0,344
1325 119 1330 3,0 1335 4.2 1340 5,0	04 10,99 19 10,60 19 10,50 14 10,40 07 10,23	9,12 9,34 9,42 9,50 9,60	-337 -350 -348 -350	0,553	1/12 13,9 7,7 2,7 2,5	0,09	0,356 0,340 0,335 0,339 0,344
1325 119 1330 3,0 1335 4.2 1340 5,0 1345 5,7 1350 6.1	04 10,99 19,60 19,60 19,10,40 10,23 19,17 14,10,09	9,12 9,34 9,42 9,50 9,60	-337 -350 -348 -350	0,553	1/12 13,9 7,7 2,7 2,5	0,09	0,356 0,340 0,335 0,339 0,344
1325 119 1330 3,0 1335 4.2 1340 5,0	04 10,99 19,60 19,60 19,10,40 10,23 19,17 14,10,09	9,12 9,34 9,42 9,50 9,60	-337 -350 -348 -350	0,553	1/12 13,9 7,7 2,7 2,5	0,09	0,356 0,340 0,335 0,339 0,344
1325 119 1330 3,0 1335 4.2 1345 5,7 1350 6,7	04 10,99 19,60 19,60 10,40 10,40 10,17 14,10,09	9,12 9,34 9,42 9,50 9,60 9,64	-337 -350 -348 -350	0,553	1/12 13,9 7,7 2,7 2,5	0,09	0,356 0,340 0,335 0,339 0,344
13 2 5	18270 SVOC	9,12 9,34 9,42 9,50 9,69 9,69	-337 -350 -348 -350	0,553	//,2 /3,9 7,7 2,7 2,5 /,2	0,09 0,05 0,01 0,00 0,29 ers Yes	0,356 0,340 0,335 0,339 0,344 0,348
1325 119 1330 3,0 1335 4.2 1345 5,7 1350 6,7	18270 SVOC	9,12 9,34 9,42 9,50 9,60 9,64	-337 -350 -348 -350	0,553	//, 2 /3, 9 7, 7 2, 7 2, 5 /, 2	0,09 0,05 0,01 0,00 0,00 0,29 ers Yes s Yes	0,356 0,340 0,335 0,339 0,344 0,348
1325 1,9 1330 3,0 1335 4,2 1345 5,7 1345 5,7 1345 5,7 1350 6,7 135	18270 SVOC	9,12 9,34 9,42 9,50 9,60 9,64	-337 -350 -348 -350	0,553	//, 2 /3, 9 7, 7 2, 7 2, 5 /, 2 2 - 100 ml amb 3 - 40 ml vial 1 - 250 ml plas	0,09 0,05 0,00 0,00 0,29 ers Yes s Yes	0,356 0,340 0,335 0,339 0,344 0,348
13 2 5 1 9 1 9 1 3 3 0 3 0 1 3 3 0 1 2 1 3 4 0 5 0 1 3 4 0 5 0 1 2 1 3 4 0 5 0 1 2 1 3 4 0 5 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	18270 SVOC 18260 VOC 19012 Total	9,12 9,34 9,42 9,50 9,60 9,64	-337 -350 -348 -350	0,553	//, 2 /3, 9 7, 7 2, 7 2, 5 /, 2 2 - 100 ml amb 3 - 40 ml vial 1 - 250 ml plas	ers Yes stic Yes	0,356 0,340 0,335 0,339 0,344 0,348
13 2 5 1, 9 13 3 0 3, 0 13 3 0 5, 0 13 4 0 5, 0	10, 99 10, 60 10, 60 10, 50 10, 40 10, 40 10, 17 19 10, 09 18270 SVOO 18260 VOCS 19012 Total	9, /2 9,34 9,42 9,50 9,69 9,69 C PAH's s BTEX Cyanide	-337 -350 -348 -350 -350 -349	0,553 0,535 0,524 0,530 0,537 0,544	//, 2 /3, 9 7, 7 2, 7 2, 5 /, 2 2 - 100 ml amb 3 - 40 ml vial 1 - 250 ml plas	0,09 0,05 0,00 0,00 0,29 ers Yes s Yes	0,356 0,340 0,335 0,339 0,344 0,348 No No No

Ogdensburg,	New York							
Sampling Per	rsonnel:	ERNST	PLyon		Date:	4/15/2	/	
Job Number:		136690-221	/ / /		Weather:	doudy	IT Rain	50°5
Well Id.	MW-8R				Time In:	10:50	Time Out:	11:40
Well Inf	formation							
			TOC	Other	Well Type:		shmount	Stick-Up
Depth to Wat		(feet)	2,29		Well Locke		Yes	No
Depth to Botte		(feet)	20.92			Point Marked:	Yes	No
Depth to Proc		(feet)	NP		Well Mater			ner:
Length of Wa		(feet) /	8,63		Well Diam		2"Oti	ner:
Volume of Wa	The second secon	(gal)	2.98		Comments	5:		
Three Well V	olumes:	(gal)	8.94					
Purging I	nformation	•					Communica I	to-vo
				\triangleright			Conversion F	4" ID 6" ID
Purging Meth		Bailer			Ifos Pump	gal/ft.	1 10 2 10	4 10 0 10
Tubing/Bailer		Teflor			lyethylene	of	0.04 0.16	0.66 1.47
Sampling Met		Bailer		Grund	lfos Pump	water		
Average Pum			1250			1 gail	on=3.785L=3785n	nL=1337cu. leet
Duration of P		(min)	30					
Total Volume	Removed:	(gal)	2.0	Did well go dry?	Yes No			52.5
Horiba U-52 V	Nater Quality N	leter Used?	Yes	s No	,			
L								
Time	DTW	Temp	pН	ORP	Conductivity	Turbidity	DO	TDS
	(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
1050	2.29	11.32	7.53	-120	0,696	45,4	1,36	0.447
INT	3,40	11.08	7.54	-144	0.669	23.5	8,00	0.426
1100	11/11	10,81	7.95	-169	0.644	21,0	0,02	0,413
1105	4.84	10,75	8,21	-202	0,630	4,1	0.04	0,403
1110	5.21	10,65	8.30	-226	0,627	4.9	0.03	0.401
	5.44	10,63	8:35	-245	0.626	5,4	0.01	0,401
11 13			8.36	-254	0,625	215	0,00	0,400
1160	3137	15,65	0 0 0 6	-237	0,023		0100	01100
LI								
Sampling Inf	formation:							
EDV CIVI 8	46 Method 8270	SVOC F	PAH's			6 - 100 ml amb	ers Yes	No
	46 Method 8260					9 - 40 ml vial		
						3 - 250 ml plas		
2.00-up - 0.0000000000000000000000000000000000	46 Method 9012 MS-0421 M	rotal Cy W-8R-MSD-04				0 - 200 mi pias		
Sample ID:	MW-8R-04		plicate?	Yes No X] Sh	ipped: Pa	ace Courier Pick	up 😾
Sample Time:	1125		s/MSD?	Yes No]	in is a second	Ship to Pace	
Comments/No	otes:					Laboratory:	Pace Ana Greensbu	1.5

Sampling Personnel:	G. ERNST,	P. Lyo	2	Date:	4/15/2	2/	
	-136690-221			Weather:	Cloudy	50°5	
Well Id. MW-9				Time In:	10:15	Time Out:	10:40
Well Information	_	тос	Other	Well Type	· Flu	shmount	Stick-Up
Depth to Water:	(feet)	4.83	Other	Well Lock		Yes	No
Depth to Bottom:	(feet)	6.35		Measuring	Point Marked:	Yes X	No
Depth to Product:	(feet)	NP		Well Mate			ner:
Length of Water Column:	(feet)	1,52		Well Diam		2" Oth	ner:
Volume of Water in Well:	(gal)	0,24		Comments	s:		
Three Well Volumes:	(gal)	0,73					
L							
Purging Information	_					Conversion F	actors
Purging Method:	Bailer	Peristal	tic Grund	fos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer Material:	Teflon			yethylene	of		
Sampling Method:	Bailer	Peristal	tic Grund	fos Pump	water	0.04 0.16	
Average Pumping Rate:	(ml/min)	v250			1 gall	on=3.785L=3785n	nL=1337cu. feet
Duration of Pumping:	(min)	30		🖂			
Total Volume Removed:	(gal)	100	Did well go dry?	Yes No			
Horiba U-52 Water Quality	Meter Used?	Ye	es No				
						T 50	T TDO T
Time DTW	Temp	рН	ORP	Conductivity	Turbidity	DO (mg/l)	TDS
(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
(feet) 1020 4,83	(°C)	8185	(mV) -79	(mS/cm)		(mg/L) 9,82	(g/L)
(feet) 1020 4,83 1025 5,48	(°C) 11.79 11.48	8.26	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66.2 57.7	(mg/L)	(g/L) 0.725 0.740
(feet) 1020 4,83 1025 5148 1030 6,18	(°C)	8185	(mV) -79	(mS/cm)	(NTU)	(mg/L) 9,82	(g/L)
(feet) 1020 4,83 1025 5,48 1030 6,18 1035 ORIEd	(°C) 11.79 11.48	8.26	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66.2 57.7	(mg/L) 9,82	(g/L) 0.725 0.740
(feet) 1020 4,83 1025 5148 1030 6,18	(°C) 11.79 11.48	8.26	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66.2 57.7	(mg/L) 9,82	(g/L) 0.725 0.740
(feet) 1020 4,83 1025 5,48 1030 6,18 1035 ORied	(°C) 11.79 11.48	8.26	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66.2 57.7	(mg/L) 9,82	(g/L) 0.725 0.740
(feet) 1020 4,83 1025 5,48 1030 6,18 1035 ORIEd	(°C) 11.79 11.48	8.26	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66.2 57.7	(mg/L) 9,82	(g/L) 0.725 0.740
(feet) 1020 4,83 1025 5,48 1030 6,18 1035 ORied	(°C) 11.79 11.48	8.26	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66.2 57.7	(mg/L) 9,82	(g/L) 0.725 0.740
(feet) 1020 4,83 1025 5,48 1030 6,18 1035 ORIEd	(°C) 11.79 11.48	8.26	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66.2 57.7	(mg/L) 9,82	(g/L) 0.725 0.740
(feet) 1020 4,83 1025 5,48 1030 6,18 1035 ORIEd	(°C) 11.79 11.48	8.26	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66.2 57.7	(mg/L) 9,82	(g/L) 0.725 0.740
(feet) 1020 4,83 1025 5,48 1030 6,18 1035 ORIEd	(°C) 11.79 11.48	8.26	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66.2 57.7	(mg/L) 9,82	(g/L) 0.725 0.740
(feet) 1020	(°C) 11.79 11.48 13.71	8.85 8.26 7.70	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66.2 57.7	(mg/L) 9,82 9,18 8,68	(g/L) 0.725 0.740
(feet) 1020 4,83 1025 5,48 1030 6,18 1035 0Ried 7x 40 1045	(°C) 11.79 11.48 10.71 10.71	8.85 8.26 7.70	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66,2 57,7 43,1	(mg/L) 9,82 9,18 8,68	(g/L) 0.725 0.740 0.772
(feet) 1020	(°C) 11.79 11.48 10.71 0 SVOC P 50 VOC'S E	8.85 8.26 7.70 PAH's	(mV) -79 -70	(mS/cm) /,/3	(NTU) 66, 2 57, 7 43, 1	(mg/L) 9,82 9,18 8,68 ers Yes s Yes	(g/L) 0.725 0.740 0.772
(feet) 10 2-0	(°C) 11. 79 11. 48 10. 71 0 SVOC P VOC's E 2 Total Cya	8.85 8.26 7.70 PAH's	(mV) -79 -70	(mS/cm) ///3 ///5 ///5	2 - 100 ml amb 3 - 40 ml vial 1 - 250 ml plas	(mg/L) 9,82 9,18 8,68 ers Yes s Yes	(g/L) 0.725 0.740 0.772 No No No
(feet) 1020	0 SVOC F 0 VOC'S E 2 Total Cya	8.85 8.26 7.70 7.70	(mV) -79 -70 -83	(mS/cm) ///3 ///5 ///5	2 - 100 ml amb 3 - 40 ml vial 1 - 250 ml plas	ers Yes stic Yes	(g/L) 0.725 0.740 0.772 No No No

Ogdensburg,	11011 10111					y .		
Sampling Per	rsonnel:	FRACT	P. Lyo	-	Date:	4/15/2/		
Job Number:		36690-221) ' /		Weather:	cloude	5003	
		30030-221			Time In:	0900	Time Out:	1215
Well Id.	MW-10R				Time in.	0100	Timo Odi.	7075
Depth to Wate Depth to Botto Depth to Produce Length of Wate Volume of Water Depth 10 Produce Depth 10 Produ	om: luct: ter Column:	(feet) (feet) (feet) (gal)	TOC 2.19 22.50 NP 22,69 3.63	Other Ariesian	Well Type: Well Locke Measuring f Well Mater Well Diam Comments	ed: Point Marked: rial: PVC eter: 1"	Yes Yes	Stick-Up No
Three Well Vo			6,9					
111100 44011 44	oluli loo.	(9/)						
						200		
Purging I Purging Methodology Tubing/Bailer Sampling Methodology Average Pum	Material: thod:	Bailer Teflor Bailer (ml/min)	Stainless St Peristaltion	e. Po	fos Pump lyethylene lfos Pump	gal/ft. of water	Conversion I 1" ID 2" ID 0.04 0.16 on=3.785L=3785r	4" ID 6" ID 0.66 1.47
Duration of Po		(min)	30					
Total Volume	Removed:	(gal)		Did well go dry?	Yes No			
Horiba U-52 \	Water Quality N	leter Used?	Yes	s No				
								T 700 T
Time	DTW	Temp	pН	ORP	Conductivity	Turbidity	DO (mg/l)	TDS (g/L)
	(feet)	(°C)	1- 16	(mV) -183	(mS/cm)	(NTU) 4,0	(mg/L)	0.300
0925	0,19	14,94	10,16	-103 -210 -228 -236	0,436	3.1	1,29	0,284
0940	2,32	11.40	11.19	-241	0,422	5.3	0.80	0.274
0955	2,82	11.04	11,24	-247	0,405	2,4	0.71	0.263
1000	2.77	10.01	11,01	270	0,707			
11				1				
Sampling In	formation:							
EPA SW-8 EPA SW-8 EPA SW-8	46 Method 8270 346 Method 8260 346 Method 9012		BTEX			4 - 100 ml amb 6 - 40 ml vial 2 - 250 ml plas	s Yes	
EPA SW-8 EPA SW-8 EPA SW-8	46 Method 8270 346 Method 8260	VOC's Total Cy	BTEX	Yes No No No	7	6 - 40 ml vial 2 - 250 ml plas	s Yes	No No

Sampling Personnel:	ERNST	P. Lyon		Date:	4/15/21	/	
Job Number: 0603200-1	1	/		Weather:	Cloudy	50°5	
Well Id. MW-11				Time In:	12:30	Time Out	1315
VVOII (M.							
Well Information							
		TOC	Other	Well Type:		shmount	Stick-Up
Depth to Water:	(feet)	2,99		Well Locke		Yes	No
Depth to Bottom:	(feet)	6.51			Point Marked:	Yes	No.
Depth to Product:	(feet)	NP 3,52		Well Mater Well Diame		SS Of	ther:
Length of Water Column: Volume of Water in Well:	(feet)	0,56		Comments			
Three Well Volumes:	(gal)	1.69		Comments			
Tillee Well Volunics.	(gai)	// // /					
Purging Information							
						Conversion	
Purging Method:	Bailer	Peristaltic	Grundf	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer Material:	Teflor			ethylene	of		
Sampling Method:	Bailer		Grundf	os Pump	water	0.04 0.16	
Average Pumping Rate:	(ml/min)	-2.50			1 gall	on=3.785L=3785	mL=1337cu. feet
Duration of Pumping:	(min)	30	ر	Vaa 🗀 Na	\checkmark		
Total Volume Removed:	(gal)		id well go dry?	Yes No	\sim		
Horiba U-52 Water Quality M	eter Used?	Yes	No No				
Time DTW	Temp	pН	ORP	Conductivity	Turbidity	DO	TDS
(feet)	(°C)	0 - 0	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
12:35 2,99	13.32	8.73	-220	1,27	137	4.83	
	10.46	8.64	-191	1,29	66.9	0.88	0.816
1240 3,16	000		-17/		00./		1020
1245 3,16	9,95	8.12	-208	1.71	16	0.00	0.839
	9,83	7.88	-208	1,31	16.5	0,00	0.839
1245 3,16 1252 3,17 1255 3,18	9,83	7.88	-216	1,33	16.5	0,00	0.855
1245 3,16 1252 3,17 1255 3,18 1300 3,18	9,83 9.77 9.71	7.88	-216 -219		16.5	0,06	
1245 3,16 1252 3,17 1255 3,18	9,83	7.88	-216	1,35	16.5	0,06	0.855
1245 3,16 1252 3,17 1255 3,18 1300 3,18	9,83 9.77 9.71	7.88	-216 -219	1,35	16.5	0,06	0.855
1245 3,16 1252 3,17 1255 3,18 1300 3,18	9,83 9.77 9.71	7.88	-216 -219	1,35	16.5	0,06	0.855
1245 3,16 1252 3,17 1255 3,18 1300 3,18	9,83 9.77 9.71	7.88	-216 -219	1,35	16.5	0,06	0.855
12-45 3,16 12-52 3,17 12-55 3,18 13-0 3,18 13-0 3,18	9,83 9.77 9.71	7.88	-216 -219	1,35	16.5	0,06	0.855
1245 3,16 1252 3,17 1255 3,18 1300 3,18	9,83 9.77 9.71	7.88	-216 -219	1,35	16.5	0,06	0.855
12-45 3,16 12-52 3,17 12-55 3,18 13-0 3,18 13-0 3,18	9,83 9,77 9,71 9,70	7,88 7,72 7,65 7.57	-216 -219	1,35	16.5 11.4 12.4 13.8	0,36	0.855
12 45 3, 16 17 12 55 3, 17 12 55 3, 18 13 0 3, 18 13 0 3, 18 13 0 3, 18 13 0 3, 18 13 0 5 18 18 18 18 18 18 18	9,83 9,77 9,71 9,70	7, 88 7, 72 7, 65 7, 57	-216 -219	1,35	16.5 11.4 12.4 13.8	0, 06 0, 11 0, 15	0.855 0.863 0.871
12 45 3, 16 12 52 3, 17 12 55 3, 18 13 00 3, 18 13 05 3, 1	9,83 9,77 9,71 9,70 SVOC F	7, 88 7, 72 7, 65 7, 57 PAH's	-216 -219	1,35	2 - 100 ml amb 3 - 40 ml vial	0, 06 0, 11 0, 15 ers Yes s Yes	0.855 0.863 0.871
12 45 3, 16 17 5, 2 3, 17 12 55 3, 18 13 0 3, 18 13 0 3, 18 13 0 3, 18 13 0 3, 18 13 0 3, 18 13 0 3, 18 13 0 14 0 15 0	9,83 9,77 9,71 9,70	7, 88 7, 72 7, 65 7, 57 PAH's	-216 -219	1,35	16.5 11.4 12.4 13.8	0, 06 0, 11 0, 15 ers Yes s Yes	0.855 0.863 0.871
12 45 3, 16 17 12 55 3, 17 12 55 3, 18 13 0 3, 1	9,83 9,77 9,71 9,70 SVOC F VOC's E Total Cy	7, 88 7, 72 7, 65 7, 57 7, 57	-216 -219 -222	1,35	2 - 100 ml amb 3 - 40 ml vial 1 - 250 ml plas	0, 06 0, 11 0, 15 ers Yes s Yes	0.855 0.863 0.871
12 45 3, 16 12 52 3, 17 12 55 3, 18 13 00 3, 18 13 05 3, 1	9,83 9,77 9,77 9,70 SVOC F VOC's E Total Cy	7, 88 7, 72 7, 65 7, 57 7, 57 PAH's BTEX anide	-216 -219	1,35	2 - 100 ml amb 3 - 40 ml vial 1 - 250 ml plas	ers Yes	0.855 0.863 0.871

						2		
Sampling Personne	el: 6.E	ERNST, F	2. Lvan		Date:	4/15/2	2/	
	603200-136	/			Weather:	cloudy	5005	
					Time In:	11:45	Time Out:	12:30
Well Id. MW	-12R				11110			
Well Informat	tion							
			TOC	Other	Well Type:	Flus	shmount	Stick-Up
Depth to Water:		(feet)	7,22		Well Locke		Yes	No
Depth to Bottom:		(feet)	21.40		100	Point Marked:	Yes	No
Depth to Product:		(feet)	NP		Well Mater			her:
Length of Water Co		(feet) /	9.18		Well Diame Comments		2"Oti	ner
Volume of Water in		(gal)	6.8		Comments	-		
Three Well Volume	es:	(gal)	6.8/					
L.		*						
Purging Inform	ation							
1 3.9119 11101111							Conversion I	
Purging Method:		Baile	Peristalti	c Grund	fos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer Mater	rial:	Teflor	Stainless St	t. Pol	yethylene	of	page page page	
Sampling Method:		Bailer		c Grund	fos Pump	water	0.04 0.16	
Average Pumping F	Rate:	(ml/min)	253			1 gall	on=3.785L=3785r	nL=1337cu. feet
Duration of Pumpin		(min)	36			77		
Total Volume Remo	oved:	(gal)		Did well go dry?	Yes No	للإ		
Horiba U-52 Water	Quality Met	ter Used?	Yes	s No				
					State of the state			
Time [DTW	Temp	рН	ORP	Conductivity	Turbidity	DO	TDS
111	DTW (feet)	Temp (°C)	рН	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	(g/L)
1150 7	(feet)	Temp (°C)	pH 8.05	ORP (mV)		(NTU) 44.7	(mg/L) 2,52	(g/L) 0, 400
1150 7	(feet) , 21 , 73	Temp (°C) //.8/	pH 8,05 8,29	ORP (mV) -23/ -273	(mS/cm) 0,627 0,578	(NTU) 44.7 20.2	(mg/L) 2,52 0,59	(g/L) 0, 400 0,370
1150 7 1155 8 1200 9	(feet) , 21 , 73	Temp (°C) //.8/ //.62	pH 8.05 8.29 8.65	ORP (mV) -23/ -273 -303	(mS/cm) 0,627 0,578 0,564	(NTU) 44.7	(mg/L) 2,52 0,59 0,35	(g/L) 0,400 0,370 0,361
1150 7	(feet) , 21 , 73 , 84 , 82	Temp (°C) //.8/ //.62 //.45	9H 8,05 8,29 8,65 8,87	ORP (mV) -23/ -273 -303 -3/7	(mS/cm) 0,627 0,578 0,564 0,555	(NTU) 44.7 20.2 8.1 3.3	(mg/L) 2,52 0,59 0,35 0,20	(g/L) 0,400 0,370 0,361 0,355
1150 7 1155 8 1200 9	(feet) , 22 , 73 , 84 , 82	Temp (°C) //.8/ //.62 //.45 //.45 //.45	pH 8.05 8.29 8.65 8.87 8.90	ORP (mV) -23/ -273 -303	(mS/cm) 0,627 0,578 0,564 0,555 0,552	(NTU) 44.7 20.2 8.1 3.3 3.5	(mg/L) 2,52 0,59 0,35 0,20 0,16	(g/L) 0,400 0,370 0,361 0,355 0,353
1150 7 1155 8 1200 9 1205 10 1210 11 1215 12	(feet) , 21 , 73 , 84 , 82 , 70	Temp (°C) //.8/ //.62 //.45 //.45 //.36	pH 8,05 8,29 8,65 8,87 8,90 8,99	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,551	(NTU) 44.7 20.2 8,1 3.3 3.5 3.2	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13	(g/L) 0,400 0,370 0,361 0,355 0,353
1150 7 1155 8 1200 9	(feet) , 22 , 73 , 84 , 82	Temp (°C) //.8/ //.62 //.45 //.45 //.45	pH 8.05 8.29 8.65 8.87 8.90	ORP (mV) -23/ -273 -303 -3/7	(mS/cm) 0,627 0,578 0,564 0,555 0,552	(NTU) 44.7 20.2 8.1 3.3 3.5	(mg/L) 2,52 0,59 0,35 0,20 0,16	(g/L) 0,400 0,370 0,361 0,355 0,353
1150 7 1155 8 1200 9 1205 10 1210 11 1215 12	(feet) , 21 , 73 , 84 , 82 , 70	Temp (°C) //.8/ //.62 //.45 //.45 //.36	pH 8,05 8,29 8,65 8,87 8,90 8,99	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,551	(NTU) 44.7 20.2 8,1 3.3 3.5 3.2	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13	(g/L) 0,400 0,370 0,361 0,355 0,353
1150 7 1155 8 1200 9 1205 10 1210 11 1215 12	(feet) , 21 , 73 , 84 , 82 , 70	Temp (°C) //.8/ //.62 //.45 //.45 //.36	pH 8,05 8,29 8,65 8,87 8,90 8,99	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,551	(NTU) 44.7 20.2 8,1 3.3 3.5 3.2	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13	(g/L) 0,400 0,370 0,361 0,355 0,353
1150 7 1155 8 1200 9 1205 10 1210 11 1215 12	(feet) , 21 , 73 , 84 , 82 , 70	Temp (°C) //.8/ //.62 //.45 //.45 //.36	pH 8,05 8,29 8,65 8,87 8,90 8,99	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,551	(NTU) 44.7 20.2 8,1 3.3 3.5 3.2	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13	(g/L) 0,400 0,370 0,361 0,355 0,353
1150 7 1155 8 1200 9 1205 10 1210 11 1215 12	(feet) , 21 , 73 , 84 , 82 , 70	Temp (°C) //.8/ //.62 //.45 //.45 //.36	pH 8,05 8,29 8,65 8,87 8,90 8,99	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,551	(NTU) 44.7 20.2 8,1 3.3 3.5 3.2	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13	(g/L) 0,400 0,370 0,361 0,355 0,353
1150 7 1155 8 1200 9 1205 10 1210 11 1215 12	(feet) , 21 , 73 , 84 , 82 , 70 , 34 , 86	Temp (°C) //.8/ //.62 //.45 //.45 //.36	pH 8,05 8,29 8,65 8,87 8,90 8,99	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,551	(NTU) 44.7 20.2 8,1 3.3 3.5 3.2	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13	(g/L) 0,400 0,370 0,361 0,355 0,353
1/50 7 1/55 8 1200 9 1205 10 1210 11 1215 12 1220 12	(feet) . 21 . 73 . 84 . 82 . 70 . 34 . 86	Temp (°C) // 8/ // 62 // 45 // 45 // 36 // 37	pH 8.05 8.29 8.65 8.87 8.90 8.99 9.06	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,551	(NTU) 44,7 20.2 8,1 3,3 3,5 3,2 3,7	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13 0,10	(g/L) 0,400 0,370 0,361 0,355 0,353 0,353
1/50 7 1/58 8 1200 9 1205 10 1210 11 1215 12 1220 12 Sampling Information	(feet) , 21 , 73 , 84 , 82 , 70 , 34 , 86 tion:	Temp (°C) // &/ // 62 // 45 // 36 // 37	pH 8,05 8,29 8,65 8,87 8,90 8,99 9,06	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,551	(NTU) 44, 7 20. 2 8, / 3, 3 3, 5 3, 2 3, 7	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13 0,10	(g/L) 0, 400 0,370 0361 0,355 0,353 0,353
1/50 7 1/55 8 1/200 9 1/2/0 1/2 1/2	(feet) . 21 . 73 . 84 . 82 . 70 . 34 . 86 tion:	Temp (°C) // 8/ // 62 // 4/ // 36 // 36 // 37	PAH's BTEX	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,551	(NTU) 44, 7 25, 2 8, / 3, 3 3, 5 3, 2 J, 7 2 - 100 ml amb 3 - 40 ml via	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13 0,10 ers Yes	(g/L) 0, 400 0,370 0,361 0,355 0,353 0,353 0,353
1/50 7 1/58 8 1200 9 1205 10 1210 11 1215 12 1220 12 Sampling Information	(feet) . 21 . 73 . 84 . 82 . 70 . 34 . 86 tion:	Temp (°C) // &/ // 62 // 45 // 36 // 37	PAH's BTEX	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,551	(NTU) 44, 7 20. 2 8, / 3, 3 3, 5 3, 2 3, 7	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13 0,10 ers Yes	(g/L) 0, 400 0,370 0,361 0,355 0,353 0,353 0,353
1/50 7 1/58 8 1/200 9 1/200 9 1/200 1/2 1/	(feet) . 21 . 73 . 84 . 82 . 70 . 34 . 86 tion: thod 8270 thod 8260 thod 9012	Temp (°C) // &/ // 62 // 45 // 36 // 36 // 37 SVOC 8 VOC'S Total Cy	PAH's BTEX ranide	ORP (mV) -23/ -273 -303 -3/7 -328 -334 -338	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,552	(NTU) 44, 7 20. 2 8, / 3, 3 3, 2 3, 7 2 - 100 ml amb 3 - 40 ml via 1 - 250 ml plas	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13 0,10 ers Yes	(g/L) 0, 400 0,370 0,361 0,353 0,353 0,353 0,353
1/50 7 1/55 8 1/200 9 1/200 9 1/2	(feet) . 21 . 73 . 84 . 82 . 70 . 34 . 86 tion:	Temp (°C) // &/ // 62 // 45 // 36 // 36 // 37 SVOC II VOC'S II Total Cy	PAH's BTEX	ORP (mV) -23/ -273 -303 -3/7 -328 -334	(mS/cm) 0,627 0,578 0,564 0,555 0,552 0,552	(NTU) 44, 7 20. 2 8, / 3, 3 3, 2 3, 7 2 - 100 ml amb 3 - 40 ml via 1 - 250 ml plas	(mg/L) 2,52 0,59 0,35 0,20 0,16 0,13 0,10 ers Yes stic Yes	(g/L) 0, 400 0,370 0,361 0,353 0,353 0,353 0,353

National Grid King Street Non-Owned Former MGP Site

Ogdensburg, N	New York							
	. DI		C. FRUST		Date: 4/	15/21		
Sampling Pers	sonnel:	y lyon,	y. Lengt		Weather:	light Rain 41	70	
Job Number:	0603200-13	6690-221					Time Out:	insa
Well Id.	MW-14R				Time In:	0 10	Time out.	1030
Well Info	ormation	51,05	TOC	Other	Well Type	: Flus		tick-Up
Depth to Wate	er:			ver flowing	Well Lock		Yes	No No
Depth to Botto		(feet)	50.80			Point Marked:	Yes X Othe	
Depth to Prod		(feet)			Well Mate		2" Othe	
Length of Wat	er Column:		0.80		Well Diam			,,
Volume of Wa	The second secon	(gal)	. 12		Comment	5.		
Three Well Vo	olumes:	(gal)	4.38					
Purging In	nformation				. 🖂		Conversion F	actors 4" ID 6" ID
Purging Metho		Bailer	Peristaltic		ethylene	gal/ft.	1 10 2 10	
Tubing/Bailer		Teflon	Stainless St.	ka '	os Pump	water	0.04 0.16	0.66 1.47
Sampling Met		Bailer	Peristaltic	Grundic	is rump		on=3.785L=3785m	L=1337cu. feet
Average Pum			200					
Duration of Pr		(min)	30	id well go dry?	Yes No	X		
Total Volume		(gal)	~	(75)	100			
Horiba U-52 \	Water Quality M	eter Used?	Yes	No No	A STATE OF THE STA			
				-		Turbidity	DO	TDS
Time	DTW	Temp	pН	ORP	Conductivity	Turbidity (NTU)	(mg/L)	(g/L)
	(feet)	(°C)		(mV)	(mS/cm)	3.8	7.88	,326
1015	Aboute Well	10.23	8.57	-186	.510	4.5	2.24	,331
1020	Above many	10.40	8.35	-224	.516	14.4	3.12	. 333
1025		10.57	8.32	-241	,516	7.9	0.00	- 330
1036	About many	10.54	8.34	-256	,515	7.3	0.00	.330
1035	Above many	10.53		-260	1515	5.9	0,00	,329
1040	Above moung	10.66	8.36	-265	.516	2.7	0.00	.331
1045	Above minury	10,60	8.36	-200				
Sampling In	formation:							
EPA SW-8	346 Method 8270	SVOC F	PAH's			2 - 100 ml amb	torracional es	No -
	346 Method 8260	VOC's I		*** * - 21		3 - 40 ml via		
100000000000000000000000000000000000000	346 Method 9012					1 - 250 ml pla	stic Yes	No L
					1 -	Shinned: "	ace Courier Pick	run 🔀
Sample ID:	MW-14R-0		plicate?	Yes No	٤	Shipped: P	Ship to Pace	,up
Sample Time:	16 45	MS	S/MSD?	Yes No X			5.	-lutinal
Comments/N				AND THE PERSON NAMED OF THE PERSON NAMED IN COLUMN NAMED IN CO		Laboratory:	Pace An	alytical

Greensburg, PA

Comments/Notes: water Level Above well Menusy

Comments/Notes:

Ogdensburg, N	New York					-		
Sampling Pers	sonnel: Peker	400 .	G. Erns	7	Date: 4/1	5/21		
	0603200-1	1			Weather:	50° Clouds	.	
Job Number:		30030-221			Time In:		Time Out:	1315
Well Id.	MW-15			y				
Well Info	ormation			-				State 11e
			TOC	Other	Well Type: Well Locke		shmount	Stick-Up No
Depth to Wate		(feet)	7.30			oint Marked:	Yes	No
Depth to Botto		(feet)	9.04		Well Mater		SS Oth	
Depth to Prod Length of Wat		(feet)	1.24		Well Diame		2" Oth	er:
Volume of Wa			.27		Comments	1		
Three Well Vo		(gal)	, 83					
711100 11011 11								
Purging In	nformation						Conversion F	actors
			Peristaltic	Grund	fos Pump		1" ID 2" ID	4" ID 6" ID
Purging Metho		Bailer Teflon			yethylene	gal/ft.		
Tubing/Bailer		Bailer			fos Pump	water	0.04 0.16	0.66 1.47
Sampling Met Average Pum			250			1 gall	on=3.785L=3785m	L=1337cu. feet
Duration of Pu		(min)	30					
Total Volume		(gal)	1	oid well go dry?	Yes No	X		
	Vater Quality N	leter Used?	Yes	No				
1101104 0 02 1								
Time	DTW	Temp	рН	ORP	Conductivity	Turbidity	DO	TDS
	(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
1240	7.51	10.17	7.98	-49	.892	1000	0,00	.57/
1245	7.76	10,03	7.47	-64	.901	650	0,00	.577
1250	7.98	9.70	7.37	- 70	-906	317	0.00	.580
1255	8.17	9.76	7.35	-74	.912	362 108	0,00	.584
1300	8.36	9.70	2.35	- <i>79</i>	.911	106	0,00	,584
1305	8.68	9.67	7.33 7.33	-84	.911	39.8	0.00	.582
13/0	0.98	1,20	7,55	-01				
		70,00						
Sampling In	formation:							
		01/00 5				2 - 100 ml amb	ners Yes	No
11	46 Method 8270	SVOC F				3 - 40 ml via		No
1	346 Method 8260 346 Method 9012					1 - 250 ml pla		No No
	1000100 0012	, old, oy			-		V3 gg 23,5000 (mm)	
Sample ID:	MW-15-04	The state of the s	plicate?	Yes No	Sh	nipped: F	Pace Courier Pick	cup 💮
Sample Time:	1310	MS	S/MSD?	Yes No			Ship to Pace	

Pace Analytical

Greensburg, PA

Laboratory:

Ogdensburg, N	lew York			-				
Sampling Pers	annal: P.k./ 1	6-	ERNST		Date: 4/15	5/25		
	onnei. YZZQ L	00000 221			Weather:			
Job Number:	0603200-13	30090-221			Time In:		Time Out:	1400
Well Id.	MW-15RS				11110 111.), is		
Well Info	ormation							
- ven mic	mado		TOC	Other	Well Type:			Stick-Up
Depth to Wate	r:	(feet)	7.72		Well Locke		Yes	No
Depth to Botto		(feet)	23.65			Point Marked:	Yes X Oth	No
Depth to Produ	uct:	(feet)			Well Mater		2" Oth	
Length of Wat	er Column:	(feet)	15,93		Well Diame			ei
Volume of Wa	ter in Well:	(gal)	.63		Comments			
Three Well Vo	lumes:	(gal)	1.91					
D	formation							-
Purging Ir	nformation						Conversion F	
Purging Metho		Baile	Perista	Itic Grundf	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer		Teflor	\vdash		yethylene X	of		
Sampling Met		Baile			os Pump	water	0.04 0.16	0.66 1.47
Average Pum		(ml/min)	200			1 gallo	on=3.785L=3785m	L=1337cu. feet
Duration of Pu		(min)	30					
Total Volume		(gal)	7	Did well go dry?	Yes No	X		
	Vater Quality M	leter Used?	Y	es No				
Holiba U-52 V	valer Quanty iv							
Time	DTW	Temp	рН	ORP	Conductivity	Turbidity	DO	TDS
	(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
1320	10.84	10.22	7.43	-208	1.02	47.6	5.61	. 658
1325	13.64	9.96	8.04	-256	1.08	48.3	5.15	1689
1330	14.00	10.31	9.09	-257	1.08	28.3	4,88	,694
1335	14.15	10.35	8,10	-271	1,11	27.7	4,30	3714
1340	14.51	10,34	8.06	-276	1.17	27.6	3.62	7/35
1345	14.76	10,28	8.06	-281	1,19	27.1	3,17	765
1350	15.02	10.20	9.05	-279	1,24	27,4	2.92	1 T 1 T
			1					
Щ		L						
Sampling In	formation:							
Sampling in	iornation.							
EDA CIVI O	46 Method 8270	SVOC	ΡΔΗ'ς			2 - 100 ml amb	ers Yes	No
II .	46 Method 8260					3 - 40 ml via		No _
CO-000000000000000000000000000000000000	46 Method 9012					1 - 250 ml plas	stic Yes	No
Sample ID:	MW-15RS-	0421 Du	plicate?	Yes No	SI	nipped: P	ace Courier Pick	cup (
Sample Time:	1350	MS	S/MSD?	Yes No X			Ship to Pace	
Comments/No	otes:					Laboratory:	Pace An	5
							Greensb	urg, PA

Comments/Notes:

Ogdensburg, N	W TOIK							
Sampling Pers	onnel Dika	Hon.	6. ERNS		Date: 4/	5/21		
	0603200-1				Weather:	Rany 470		
Job Number:		30030-221			Time In:		Time Out:	10:05
Well Id.	MW-17R							
Well Info	ormation				Well Type:	Flue	shmount	Stick-Up
			TOC	Other	Well Locke		Yes	No No
Depth to Wate			26.90			oint Marked:	Yes	No
Depth to Botto		(feet)	26.90		Well Mater		SS Oth	er:
Depth to Produ		(feet)	20,06		Well Diame	eter: 1"	2" Oth	ier:
Length of Wat		(gal)	3.20		Comments	:		
Three Well Vo		(gal)	9.62					
Tillee vven ve	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Purging Ir	nformation						Conversion F	
Purging Metho	od.	Bailer	Peristaltio	Grund	fos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer		Teflon		Pol	yethylene	of		0.00 4.47
Sampling Met		Bailer	Peristaltio	Grund	fos Pump	water	0.04 0.16	
Average Pum		(ml/min)	200			1 gall	on=3.785L=3785n	nL=1337cu. feet
Duration of Pu	umping:	(min)	30		🗀	12		
Total Volume	Removed:	(gal)		Did well go dry?	Yes No	LXI		
Horiba U-52 V	Al-to- Quality A	8 - 4 1 1 10	Von	No No				
Horiba U-52 V	vater Quality iv	leter Usea?	165					
Horiba U-52 V	Quality iv	/leter Used?	res					
Time	DTW	Temp	рН	ORP	Conductivity	Turbidity	DO	TDS
			рН		(mS/cm)	(NTU)	(mg/L)	(g/L)
Time	DTW	Temp	pH 8.69	ORP (mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
Time 0930	DTW (feet) 8.00	Temp (°C) /4.48	pH 8.69 8.10	ORP (mV) -/48 -/49	(mS/cm) -609 -593	(NTU) 3.1 2.9	(mg/L)	(g/L) #388 #380
Time 0930	DTW (feet) 8.00	Temp (°C)	pH 8.69 9.10 8.15	ORP (mV) -148 -149 -163	(mS/cm) -609 -593 -643	(NTU) 3./ 2.9 2.7	(mg/L) 0.00 0.50 0.59	(g/L) 1388 1380 1409
Time 0930 0935 0940 0945	DTW (feet) 8.00 8.72 9.06 9.37	Temp (°C) /4.48 /3.31 9.91	pH 8.69 9.10 8.15 8.05	ORP (mV) -/48 -/49 -/63 -/7/	(mS/cm) -609 -593 -643 -618	(NTU) 3. (2. 9 2. 7 3. ((mg/L) O. OO O. 60 O. 59 O. 00	(g/L) , 388 , 380 , 409 , 395
7ime 0930 0935 0940 0945 0950	DTW (feet) 8.00 8.72 9.06 9.37 9.58	Temp (°C) 14.48 13.31 9.91 11.50	pH 8.69 8.10 8.15 8.05 8.01	ORP (mV) -148 -149 -163 -171 -188	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3.1 2.9 2.7 3.1 3.2	(mg/L) 0.00 0.50 0.59 0.00 0.00	(g/L) , 388 , 380 , 409 , 395 , 395
Time 0930 0935 0940 0945 0956	DTW (feet) 8.00 8.72 9.06 9.37 9.58 9.74	Temp (°C) 14.48 13.31 9.91 11.50 11.60	pH 8.69 8.10 8.15 8.05 8.01 7.99	ORP (mV) -148 -149 -163 -171 -188 -200	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3.1 2.9 2.7 3.1 3.2 3.3	(mg/L) 0.00 0.59 0.00 0.00	(g/L) • 388 • 380 • 409 • 395 • 395
7ime 0930 0935 0940 0945 0950	DTW (feet) 8.00 8.72 9.06 9.37 9.58	Temp (°C) 14.48 13.31 9.91 11.50	pH 8.69 8.10 8.15 8.05 8.01	ORP (mV) -148 -149 -163 -171 -188	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3.1 2.9 2.7 3.1 3.2	(mg/L) 0.00 0.50 0.59 0.00 0.00	(g/L) , 388 , 380 , 409 , 395 , 395
Time 0930 0935 0940 0945 0956	DTW (feet) 8.00 8.72 9.06 9.37 9.58 9.74	Temp (°C) 14.48 13.31 9.91 11.50 11.60	pH 8.69 8.10 8.15 8.05 8.01 7.99	ORP (mV) -148 -149 -163 -171 -188 -200	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3.1 2.9 2.7 3.1 3.2 3.3	(mg/L) 0.00 0.59 0.00 0.00	(g/L) • 388 • 380 • 409 • 395 • 395
Time 0930 0935 0940 0945 0956	DTW (feet) 8.00 8.72 9.06 9.37 9.58 9.74	Temp (°C) 14.48 13.31 9.91 11.50 11.60	pH 8.69 8.10 8.15 8.05 8.01 7.99	ORP (mV) -148 -149 -163 -171 -188 -200	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3.1 2.9 2.7 3.1 3.2 3.3	(mg/L) 0.00 0.59 0.00 0.00	(g/L) • 388 • 380 • 409 • 395 • 395
Time 0930 0935 0940 0945 0956	DTW (feet) 8.00 8.72 9.06 9.37 9.58 9.74	Temp (°C) 14.48 13.31 9.91 11.50 11.60	pH 8.69 8.10 8.15 8.05 8.01 7.99	ORP (mV) -148 -149 -163 -171 -188 -200	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3.1 2.9 2.7 3.1 3.2 3.3	(mg/L) 0.00 0.59 0.00 0.00	(g/L) • 388 • 380 • 409 • 395 • 395
Time 0930 0935 0940 0945 0955	DTW (feet) 8.00 8.72 9.06 9.37 9.58 9.74	Temp (°C) 14.48 13.31 9.91 11.50 11.60	pH 8.69 8.10 8.15 8.05 8.01 7.99	ORP (mV) -148 -149 -163 -171 -188 -200	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3.1 2.9 2.7 3.1 3.2 3.3	(mg/L) 0.00 0.59 0.00 0.00	(g/L) • 388 • 380 • 409 • 395 • 395
Time 0930 0935 0940 0945 0955	DTW (feet) 8.00 8.72 9.06 9.37 9.58 9.74 9.86	Temp (°C) 14.48 13.31 9.91 11.50 11.60	pH 8.69 8.10 8.15 8.05 8.01 7.99	ORP (mV) -148 -149 -163 -171 -188 -200	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3.1 2.9 2.7 3.1 3.2 3.3	(mg/L) 0.00 0.59 0.00 0.00	(g/L) • 388 • 380 • 409 • 395 • 395
Time 0930 0935 0940 0945 0955 1000 Sampling In	DTW (feet) 8.00 8.72 9.06 9.37 9.58 9.74 9.86	Temp (°C) 14.48 1.3.31 9.91 11.50 11.60 11.52 11.43	pH 8.69 9.10 8.15 8.05 8.01 7.99 7.99	ORP (mV) -148 -149 -163 -171 -188 -200	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3.1 2.9 2.7 3.1 3.2 3.3 3.6	(mg/L) 0.00 0.59 0.00 0.00 0.00	(g/L) • 388 • 380 • 409 • 395 • 395
Time 0930 0935 0940 0945 0955 1050 Sampling In	DTW (feet) 8.00 8.72 9.06 9.37 9.58 9.74 9.86 formation:	Temp (°C) /4.48 /3.31 9.9/ //.50 //.50 //.52 //.43	pH 8.69 8.15 8.05 8.05 8.01 7.99 7.99	ORP (mV) -148 -149 -163 -171 -188 -200	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3, { 2, 9 2, 7 3, 1 3, 2 3, 3 3, 6	(mg/L) O, OO O, 59 O, 00 O, 00 O, 00 O, 00 O, 00 O, 00 Yes	(g/L) 1388 1380 1409 2395 2397 1400
Time 0930 0935 0940 0945 0955 1000 Sampling In EPA SW-8 EPA SW-8	DTW (feet) 8.00 8.72 9.06 9.37 9.58 9.74 9.86	Temp (°C) 14.48 13.31 9.91 11.50 11,60 11.43 SVOC II	pH 8.69 8.15 8.05 8.01 7.99 7.99	ORP (mV) -148 -149 -163 -171 -188 -200	(mS/cm) -609 -593 -643 -618 -616	(NTU) 3.1 2.9 2.7 3.1 3.2 3.3 3.6	(mg/L) 0.00 0.59 0.00 0.00 0.00 0.00 0.00 Vestels Yes	(g/L) 1388 1380 1409 1395 1395 1397 1400
Time 0930 0935 0940 0945 0955 1000 Sampling In EPA SW-8 EPA SW-8	DTW (feet) 8.00 8.72 9.06 9.37 9.58 9.74 9.86 formation:	Temp (°C) /4. 48 /.3.31 9.9/ //.50 //.52 //.43 SVOC I VOC's Total Cy	pH 8.69 8.15 8.05 8.01 7.99 7.99	ORP (mV) -148 -149 -163 -171 -188 -200	(mS/cm) -609 -593 -643 -618 -616 -620 -625	(NTU) 3, { 2, 9 2, 7 3, 1 3, 2 3, 3 3, 6 2 - 100 ml amb 3 - 40 ml via 1 - 250 ml pla	(mg/L) 0.00 0.59 0.00 0.00 0.00 0.00 0.00 Vestels Yes	(g/L) 388 380 409 395 395 397 400

Pace Analytical

Greensburg, PA

Laboratory:

Comments/Notes:

Ogdensburg,	14011 1011							
Compling Der	rsonnel: Pete		G. ERNST		Date: 4	15/21		
		136690-221			Weather:	48° light	Rain	
Job Number:		130030-221				1150	Time Out:	1230
Well Id.	MW-19R				Time in.	11.) 0		70.00
Well In	formation							06-1-11-
			TOC	Other	Well Type:		shmount Yes	Stick-Up No
Depth to Wat		(feet)	3.55		Well Locke	oint Marked:	Yes	No
Depth to Bott		(feet)	38.05		Well Mater			
Depth to Prod		(feet)	34.5		Well Diam		2" Oth	
Length of Wa		(feet) (gal)	5.52		Comments			
Three Well V		(gal)	16.56					
Tillee Well V	olumes.	(gai)	10.06					
Purging	Information							
							Conversion F	
Purging Meth		Bailer			fos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer		Teflon			yethylene	of	0.04 0.16	0.66 1.47
Sampling Me		Bailer		Grund	fos Pump	water	on=3.785L=3785m	
Average Pum		(ml/min)	200			I gaii	011-3.7651-376511	1L-1337cu. leet
Duration of P		(min)	2 D	Did well go dry?	Yes No	×1		
Total Volume	-	(gal)			resINO			
Horiba U-52	Water Quality N	/leter Used?	Yes	No X				
				T ODD	L Camadonativitus	Turbidity	I DO	I TOS I
Time	DTW	Temp	рН	ORP	Conductivity	Turbidity	DO (mg/L)	TDS
	(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
1155	(feet) 4.75	(°C)	8.40	(mV)	(mS/cm)	(NTU) 48.2	(mg/L) 8.09	(g/L) ,298
1155	(feet) 4.75 6.58	(°C) 10.42 10.31	8.40 8.58	(mV) -/02 - 37	(mS/cm) .458 .468	(NTU) 48.2 30.5	(mg/L) 8.09 7.08	(g/L) , 298 . 304
1155	(feet) 4.75 6.58 7.89	(°C) 10.42 10.31 10.38	8.40 8.58 8.59	(mV) -/82 -92 -92	(mS/cm) .458 .468	(NTU) 48.2 30.5 23.8	(mg/L) \$.09 7.08 6,53	(g/L) ,298 .304 .304
1155 1260 1205 1210	(feet) 4.75 6.58 7.89 9.56	(°C) 10.42 10.31 10.38 10.45	8.40 8.58 8.59 8.60	(mV) -102 -97 -92 -83	(mS/cm) , 458 , 468 , 469 , 467	(NTU) 48.2 30.5 23.8 19.7	(mg/L) 8.09 7.08 6.53 5.89	(g/L) ,298 .304 .304
1155 1200 1205 1210 1215	(feet) 4.75 6.58 7.89 9.56 11,30	(°C) 10.42 10.31 10.38 10.45 10.29	8.40 8.58 8.59 8.60	(mV) -/22 -92 -92 -83 -84	(mS/cm) .458 .468	(NTU) 49.2 30.5 23.8 19.1 2.0	(mg/L) 8.09 7.08 6.53 5.89 5.11	(g/L) ,298 .304 .304
1155 1200 1205 1210 1215 1220	(feet) 4.75 6.58 7.89 9.56 11,30 12.71	(°C) 10.42 10.31 10.38 10.45 10.29 10.47	8.40 8.58 8.59 8.60 8 .60	(mV) -102 -97 -92 -83	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.7	(mg/L) 8.09 7.08 6.53 5.89	(g/L) ,298 .304 .304 .304
1155 1200 1205 1210 1215	(feet) 4.75 6.58 7.89 9.56 11,30	(°C) 10.42 10.31 10.38 10.45 10.29	8.40 8.58 8.59 8.60	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.1 2.0 1.8	(mg/L) 8.09 7.08 6.53 5.89 5.11 4.50	(g/L) ,298 .304 .304 .304 ,304
1155 1200 1205 1210 1215 1220	(feet) 4.75 6.58 7.89 9.56 11,30 12.71	(°C) 10.42 10.31 10.38 10.45 10.29 10.47	8.40 8.58 8.59 8.60 8 .60	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.1 2.0 1.8	(mg/L) 8.09 7.08 6.53 5.89 5.11 4.50	(g/L) ,298 .304 .304 .304 ,304
1155 1200 1205 1210 1215 1220	(feet) 4.75 6.58 7.89 9.56 11,30 12.71	(°C) 10.42 10.31 10.38 10.45 10.29 10.47	8.40 8.58 8.59 8.60 8 .60	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.1 2.0 1.8	(mg/L) 8.09 7.08 6.53 5.89 5.11 4.50	(g/L) ,298 .304 .304 .304 ,304
1155 1200 1205 1210 1215 1220	(feet) 4.75 6.58 7.89 9.56 11,30 12.71	(°C) 10.42 10.31 10.38 10.45 10.29 10.47	8.40 8.58 8.59 8.60 8 .60	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.1 2.0 1.8	(mg/L) 8.09 7.08 6.53 5.89 5.11 4.50	(g/L) ,298 .304 .304 .304 ,304
1155 1200 1205 1210 1215 1220	(feet) 4.75 6.58 7.89 9.56 11,30 12.71	(°C) 10.42 10.31 10.38 10.45 10.29 10.47	8.40 8.58 8.59 8.60 8 .60	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.1 2.0 1.8	(mg/L) 8.09 7.08 6.53 5.89 5.11 4.50	(g/L) ,298 .304 .304 .304 ,304
1155 1200 1205 1210 1215 1220	(feet) 4.75 6.58 7.89 9.56 11,30 12.71 14.16	(°C) 10.42 10.31 10.38 10.45 10.29 10.47	8.40 8.58 8.59 8.60 8 .60	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.1 2.0 1.8	(mg/L) 8.09 7.08 6.53 5.89 5.11 4.50	(g/L) ,298 .304 .304 .304 ,304
1/55 1200 1205 1210 1215 1220 1225	(feet) 4.75 6.58 7.89 9.56 11,30 12.71 14.16	(°C) 10.42 10.31 10.38 10.45 10.29 10.47 10.51	8.40 8.58 8.59 8.60 8.60 8.61 8.63	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.1 2.0 1.8 1.6	(mg/L) 8.09 7.08 6.53 5.89 5.11 9.50 3.85	(g/L) ,298 .304 .304 .304 .304 .303
1/55 1260 1205 1210 1215 1220 1225 Sampling In	(feet) 4.75 6.58 7.89 9.56 11,30 12.71 14.16	(°C) 10.42 10.31 10.38 10.45 10.29 10.47 10.51	8.40 8.58 8.59 8.60 8.63 8.63	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.1 2.0 1.8 1.6	(mg/L) \$.09 7.08 6.53 5.89 5.1/ 4.50 3.85	(g/L) ,298 .304 .304 .304 .304 .304 .303
1/55 1200 1200 1215 1220 1225 Sampling In EPA SW-8	(feet) 4.75 6.58 7.89 9.56 11,30 12.71 14.16 aformation: 846 Method 8270 846 Method 8260	(°C) 10.42 10.38 10.45 10.29 10.47 10.51 SVOC F	9.40 8.58 8.59 8.60 8.63 8.63	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.7 2.0 1.8 7.6 2 - 100 ml amb 3 - 40 ml vial	(mg/L) \$.09 7.08 6.53 5.89 5.11 9.50 3.85 ers Yes	(g/L) ,298 .304 .304 .304 .304 .304 .303
1/55 1260 1260 1215 1220 1225 Sampling In EPA SW-8	(feet) 4.75 6.58 7.89 9.56 11,30 12.71 14.16	(°C) 10.42 10.38 10.45 10.29 10.47 10.51 SVOC F	9.40 8.58 8.59 8.60 8.63 8.63	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) .458 .468 .469 .467 .468	(NTU) 48.2 30.5 23.8 19.1 2.0 1.8 1.6	(mg/L) \$.09 7.08 6.53 5.89 5.11 9.50 3.85 ers Yes	(g/L) ,298 .304 .304 .304 .304 .304 .303
1/55 1260 1260 1215 1220 1225 Sampling In EPA SW-8	(feet) 4.75 6.58 7.89 9.56 11,30 12.71 14.16 aformation: 846 Method 8270 846 Method 8260	(°C) 10.42 10.37 10.38 10.45 10.29 10.47 10.51 SVOC F VOC's E Total Cy	9.40 8.58 8.59 8.60 8.60 8.63 PAH's	(mV) -102 -37 -92 -83 -84 -81	(mS/cm) , 458 , 469 , 469 , 467 , 468 , 467	(NTU) 48.2 30.5 23.8 19.1 2.0 1.8 1.6 2 - 100 ml amb 3 - 40 ml vial 1 - 250 ml plas	(mg/L) \$.09 7.08 6.53 5.89 5.11 9.50 3.85 ers Yes	(g/L) ,298 .304 .304 .304 .304 .304 .304 .303

Laboratory:

Pace Analytical

Greensburg, PA

Comments/Notes:

Ogdensburg,	New York							
Sampling Pers	connel: P.	er Lyon,	6. FRMS	7	Date: 4/	15/21		
	0603200-1	a so so Marchaelean			Weather:	47° light	Rom	
Job Number:		30090-221			Time In:		Time Out:	1146
Well Id.	MW-20R				Time in.			
Well Inf	ormation							SC-1-11-
			TOC	Other	Well Type:		hmount Yes	Stick-Up No
Depth to Wate	er:	(feet)	0.50		Well Locke		Yes	No
Depth to Botto		(feet)	28.40		Well Mater	oint Marked:	SS Oth	
Depth to Prod		(feet)			Well Diame		2" Oth	
Length of Wa			27.9		Comments	and the same of		
Volume of Wa			3,39		301111101110	-	80	
Three Well Vo	olumes:	(gal)	5,37					
Purging I	nformation						Conversion F	actors
							1" ID 2" ID	4" ID 6" ID
Purging Meth		Bailer		<u> </u>	os Pump	gal/ft.	1 10 2 10	4 15 0 15
Tubing/Bailer		Teflon			yethylene	of water	0.04 0.16	0.66 1.47
Sampling Me		Bailer		Gruna	os Pump		on=3.785L=3785m	
Average Pum			200			1 gan	on 0.1002 0.001.	
Duration of P		(min)	30	Did well go dry?	Yes No	X		
Total Volume		(gal)			163110	4		
Horiba U-52 \	Water Quality N	/leter Used?	Yes	s No				
П =:	T DTM	Tomp	рН	T ORP	Conductivity	Turbidity	DO	TDS
Time	DTW (fact)	Temp (°C)	pri	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
	(feet)	9.95	8.39	-190	.547	26.2	7.25	,351
1105	2,23	2.98	8.29	-189	-545	4.2	6.26	.349
1115	2.96	10.01	8.26	-187	.543	3.5	5.70	.348
1120	3.7/	9.96	8.25	-185	.548	2,2	5.07	, 351
1/25	4.42	10.03	8.22	-182	.542	2.1	4.97	.347
1130	5.02	10.04	8.23	-178	1542	1.7	4.59	,347
1135	5.67	10.17	8.18	-173	.539	1.1	3.95	1345
				1				
				-				1
		ļ						
							<u>I</u>	
Sampling In	formation:				NI CONTRACTOR OF THE CONTRACTO			
						- 100	V	No No
EPA SW-8	346 Method 8270					2 - 100 ml amb		
	346 Method 8260					3 - 40 ml via		
EPA SW-8	346 Method 9012	Total Cy	anide			1 - 250 ml pla	out 1es	
Sample ID:	MW-20R-0		plicate?	Yes No No	Sh	nipped: P	ace Courier Pick	cup 🕌
Sample Time:	1135	MS	S/MSD?	Yes No			Ship to Pace	

Pace Analytical

Greensburg, PA

Laboratory:



CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Information:			Section C																		Pa	ge:	1 of 1	
Company: GES - Syracuse	Report To: Devin Shay (GES)			Attention: Accounts	Payable via em	ail at ges-invoice	es@geso	nline.com	1									TE OF	DE.	2111 0	TOD	× 40	ENOV	4500	-
Address: 5 Technology Place, Suite 4	dshay@gesonline.com Report To: Tim Beaumont (GES) tbeaumont@gesonline.com			Company Name: G	roundwater & E	nvironmental Se	rvices, In	C.							NPD	ES	□ 1R	OLINI	E WAT				ENCY		
East Syracuse, New York 13057	ibeaumoni@gesoniile.com		-	Address: 5 Technolo	gy Place, Suite	4, East Syracus	e, NY 13	057							T UST		RC		J 11/1	LIX	Гпн		2 AAVIC		
Email To: dshay@gesonline.com	Purchase Order No.:		-	Pace Quote Referen	ice:				-						7 001		ITE		Į.o	GA	FL			· ·	
Phone: 800.220.3069 Fax: None x4051	Project Name: National Grid - Ogd King Street Ogdensburg, NY	ensbur	rg	Pace Project Manag	er: Rachel Chri	stner									LOCA)H	1" ic	(3.4)		HER	
Requested Due Date/TAT: Standard	Project Number: 0603200-136690-221-1106	-		Pace Profile #.		Semi-Ar	nual	GWS						F	iltered (//	7	7	7//	7/
Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9 / -) IDS MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DOMNON WATER DOWN WASTR WATER P ROCKET P COL WIT WATER WATER WIT THE THE THE THE THE THE THE T	MATRIX CODE	SAMPLE TYPE G+GRAB C=COMP	COMPOSITE START	GRAB		SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	erved	Pr	eserv	atives		F	Requeste	d	\ \\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	Sales							
птем				DATE TIM	E DATE	TIME			Juprese	1,50, 1,50,	ᅙ	МаОН	Na ₂ S ₂ O ₃ Methanol	ig di				Some	//	//	//,	//	/	Pac	Project Number Lab I.D.
1 MW-2(R)-04	121	WT	G		4/15/	11430		7	2	1	3	1				3	2	1	\uparrow	1	TT	Ť			Lab I.D.
2 MW-5R(R)-0	421	wt	G		7 1	1355		7	2	1	3	1		\Box		3		1	+		††	T			\neg
3 MW-8R-04	21	WT	G			1125		7	2	1		1		П		3	1	1		\top	$\dagger \dagger$	+			-
4 MW-8R-MS-	0421	WT	G			1125		7	2	1	3	1		\Box			2	1	+		$\dagger \dagger$	T			
5 MW-8R-MSD	-0421	WT	G			1125		7	2	1	+	1	\top			3		+	+	\vdash	\forall	+			-
6 MW-9-042	21	WT	G			1035		7	2	1		1	\top	\Box			2		+	\vdash	+	+			\neg
7 MW-10R-04	121	wt	G			1006		7	2	1		1	_	\Box			2	'	+	\vdash	+	+			-
8 MW-11-04	21	WT				1310		7	2	1	+		\dagger	\Box				1	+	\vdash	+	+			-
9 MW-12R-04	421	WT				1225	_	7	2	1	_		+	+1			2	1	+	\vdash	+	+			
10 MW-14R-04	421	WT		Mark Francisco		1045		7	2	1	+		+	\forall		3		1	+	\vdash	+	+			-
11 MW-15-04	21	WT				1310		7	2		3	+	+	+		3	1	1	+	\vdash	+	+			
12 MW-15RS-0	1421	WT				1350		7	+	\top	+		+	\forall		3			+	+	+	+			
13 MW-17R-0		WT				1000		1	2		3		+	H		3			+-	H	+	+			
MW-19R-0		WT	1	OUR EXEMPS		1225	-	7	2		3		+	+		3	1		+	H	+	-			
15 MW-20R-0		WT	1	STATE OF THE PARTY OF		1/35	<u> </u>	7	2	1	+		+	H		3			+	\vdash	+	-			
16 FD-042		WT		THE REAL PROPERTY.		1120	-	7	2		3	++	+	+		3	\top		+-	\vdash	+	+			
17 Trip Blant		WT	-	THE REAL PROPERTY.	V	+	-	7 2	2	H 1	3	1	+	+		3		1	+	\vdash	+	\dashv			
Additional Comments:		STATE SALES	Name of Street	JISHED BY / AFFILIA	TION	DATE	TIME		PTE	BYIA	3	MILIO	N			3	OF REAL PROPERTY.	DATE							
SAMPLES WILL ARRIVE IN #	COOLERS.	400	7	nut	The second second	4/14/24	September 11										+	AIE		IME	SA	MPL		DITIONS	
STOCK CONTROL OF THE			1	1001		9194	VIK	+-				-					+		+		+	\dashv	2	¥ .	7
Please send reports to: dshay@gesonline.com	. tbeaumont@gesonline.com				-		+	+-									+		+		+	+	<u>Z</u>	7	Z >
NERegion@gesonline.com, ges@equisonline							+-	+			-			-			+		+		+	\dashv	Z X	2	2 >
				SAME	PLER NAME A	ND SIGNATUR	JE RE		1/15	N. K											-	+	N. X.IV	Y. Y.	ti X
SPECIFIC EDD NAME:				PRINT	fame of SAMPLER:							IDATE	E Signed	(Max /	20./200			US	10,10,10			Temp in "C	Received on Ice	Custody Sealed Cooler	Samples Intact
NGOgdensburg-labnumber.28351.EQED	טי.zip												_ osymea	(mm/t	JU111)						1	ř	Re	Sea	San

ensburg, New			<u> </u>	DTP	DTB	Comments
Well ID	Sample?	Well Size	DTW	DIP		
MW-2(R)	Yes	2"	4-18		6.35	
MW-5R(R)	Yes	2"	2.11		24.30	MS/MSD
MW-8R	Yes	2"	2-56		20.92	
MW-9	Yes	2"	4.94		6.35	Field Duplicate
MW-10R	Yes	2"	0,55	 	22.50	
MW-11	Yes	2"	3.73		6.51	
MW-12R	Yes	2"	9-19		50.80	
MW-14R	Yes	2"	0.00	 		
MW-15	Yes	2"	8.33		9.04	
MW-15RS	Yes	1"	8,50		23.65	
MW-17R	Yes	2"	1729		26.90	
MW-19R	Yes	2"	4.00		38.05 28.40	
MW-20R	Yes	2"	0.20		20.40	

DTW -depth to water

DTP -depth to product

DTB -depth to bottom

					4	1. 1.		
Sampling Perso	onnel: R	fer you				120/21	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Job Number:	0603275-13					Sunny 60		
V	MW-19R				Time In:	254	Time Out:	1130
wentu.					· · · · · · · · · · · · · · · · · · ·		·	1
Well Info	rmation						.1571	
			TOC	Other	Well Type:		[]	ick-Up No
Depth to Wate		(feet)	4.60		Well Locked Measuring Po		Yes Yes	No H
Depth to Botto		(feet)	38.05		Well Materia	N N	SS Othe	···· L
Depth to Produ		(feet)	34.05		Well Diamet		2" Othe	
Length of Wate Volume of Wa		(feet) (gal)	5.44		Comments:			
Three Well Vo			16.34					
Titlee Well Vo	umes.	(947)						
	 						- <u></u>	
Purging In	formation							
				E			Conversion Fa	
Purging Metho	od:	Bailer			os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer		Teflon		·	ethylene	of water	0.04 0.16	0.66 1.47
Sampling Met		Bailer	Peristaltic	Grundf	os Pump		on=3.785L=3785m	
Average Pum			<u> </u>			1 gain	511-0.7662 0166	
Duration of Pu		(min)	30	id well go dry?	Yes No	₹		
Total Volume	Removed:	(gal)			162 140 Z			
Horiba U-52 V	Water Quality N	/leter Used?	Yes	No.				
L								
Time	DTW	Temp	pН	ORP	Conductivity	Turbidity	DO (mg/l)	TDS (g/L)
<u> </u>	(feet)	(°C)		(mV)	(mS/cm)	(NTU) 156	(mg/L) 1.85	.407
1055	4.71	18.47	7.51	-127	,635	92.9	1.28	.409
1/00	5.76	17.02	7,57	-156	,640	115	1.03	.409
1105	7.21	16,95	7.63 7.65	-159	- 639	115	7.03	. 409
1110	8.53	16.83	2.63	-161	.632	98.4	1.03	.408
1115	10.16	1 1/ 77				1011		1 7 00
11 1		16.85		-161			0.98	.408
1/20	11.50	16.89	2.65	-161	,637	91.5	0.98	
1/25						91.5		.408
1/25	11.50	16.89	2.65	-161	,637	91.5	0.98	.408
1/25	11.50	16.89	2.65	-161	,637	91.5	0.98	.408
1/25	11.50	16.89	2.65	-161	,637	91.5	0.98	.408
1/25	11.50	16.89	2.65	-161	,637	91.5	0.98	.408
1/25	11.50	16.89	2.65	-161	,637	91.5	0.98	.408
Sampling Ir	11.50	16.89	2.65	-161	,637	91.5 90.2	0.98	, 408 , 409
Sampling Ir	11.50	16.89	7.64	-161	,637	91.5 90.2 2-100 ml am	0, 98 1,09	, 408 , 409
Sampling Ir	1/1,50 12.61	16.89 16.88	7.64	-161	,637	9/.5 90.2 2 - 100 ml am 3 - 40 ml vi	o, 98 1,09 hbers Yes	, 408 , 409
Sampling Ir EPA SW-8 EPA SW-8	1/1, 50 12.61 Information:	16.89 16.88 0 SVOC 0 VOC's	7.65 7.64 PAH's	-161	,637	91.5 90.2 2-100 ml am	o, 98 1,09 hbers Yes	, 408 , 409
Sampling Ir EPA SW-EPA SW-EPA SW-	1/1, 50 1/2 . 6 l Information: 846 Method 8270 846 Method 826 846 Method 901	16.89 16.88 0 SVOC 0 VOC's 2 Total C	PAH's BTEX syanide	-/6/	.637	9/.5 90.2 2 - 100 ml am 3 - 40 ml vi 1 - 250 ml pla	o, 98 1,09 hbers Yes als Yes astic Yes	, 408 , 409 No s No
Sampling Ir EPA SW-EPA SW-EPA SW- Sample ID:	1/1, 50 12.61 Information: 846 Method 8270 846 Method 826 846 Method 901 MW-19R-	16.89 16.88 0 SVOC 0 VOC's 2 Total C	PAH's BTEX syanide suplicate?	-/6/ -/5-9 Yes No	.637 .639	9/.5 90.2 2 - 100 ml am 3 - 40 ml vi 1 - 250 ml pla	o, 98 1,09 hbers Yesastic Yesastic Yes	, 408 , 409 No s No No
Sampling Ir EPA SW-EPA SW-EPA SW-	1/1, 50 12.61 Information: 846 Method 8270 846 Method 826 846 Method 901 MW-19R-	16.89 16.88 0 SVOC 0 VOC's 2 Total C	PAH's BTEX syanide	-/6/	.637 .639	9/.5 90.2 2 - 100 ml am 3 - 40 ml vi 1 - 250 ml pla nipped:	or 98 1,09 hbers Yes als Yes astic Yes Ship to Pace	, 408 , 409 No No No kup
Sampling Ir EPA SW-EPA SW-EPA SW- Sample ID:	1/1, 50 12.61 Information: 846 Method 8270 846 Method 901 MW-19R-11/25	16.89 16.88 0 SVOC 0 VOC's 2 Total C	PAH's BTEX syanide suplicate?	-/6/ -/5-9 Yes No	.637 .639	9/.5 90.2 2 - 100 ml am 3 - 40 ml vi 1 - 250 ml pla	o, 98 1,09 hbers Yesastic Yesastic Yes	No N

				/	1.1		
Sampling Personnel:	G. ERN	57			20/2/	-02	
lob Number: 0603275-13	6690-221		· · · · · · · · · · · · · · · · · · ·	Weather: (Clear 60		
Well Id. MW-2(R)	·			Time In: //	/35	Time Out:	
Veniu.							
Well Information Depth to Water: Depth to Bottom: Depth to Product: Length of Water Column: Volume of Water in Well: Three Well Volumes:	(feet) 4/ (feet) 6 (feet) 7 (feet) 2	10C (18 6.35 WP (17 2.35	Other	Well Type: Well Locked Measuring Po Well Materia Well Diamet Comments:	: int Marked: il: PVC	mount S Yes Yes S SS Othe	
Purging Information Purging Method: Tubing/Bailer Material: Sampling Method: Average Pumping Rate: Duration of Pumping: Total Volume Removed: Horiba U-52 Water Quality Methods	(min) (gal)	<i>'</i>	Polye	s Pump ethylene is Pump Yes No		Conversion F 1" ID 2" ID 0.04 0.16 on=3.785L=3785n	4" ID 6" ID 0.66 1.47
Horiba U-52 Water Quality i	vieter Caca :			Considerativity	Turbidity	DO	TDS
					HUDIUM	1 00	1 '50 1
Time DTW	Temp	рН	ORP (mV)	Conductivity (mS/cm)	(NTU)	(mg/L)	(g/L)
(feet)	Temp (°C)		(mV) -28/	(mS/cm) 0,627	(NTU) 27,9	(mg/L)	(g/L) 0,401
(feet) (140 4.97	1 1	8.05 7.76	(mV) -28/ -29/	(mS/cm) 0,627 0,627	(NTU) 27,9 32.5	(mg/L) 3, 36 1,57	(g/L) 0,401 0,400
(feet)	(°C) 21,45 20.91 21,62	8.05 7.76 8.10	(mV) -28/ -29/ -269	(mS/cm) 0.627 0.627 0.623	(NTU) 27.9 32.5	(mg/L) 2, 36 1, 57 3, 50	(g/L) 0,401 0,400 0,398
(feet) 1145 4.97 1145 5.88	(°C) 21,45 20.91	8.05 7.76 8,10 8.73	(mV) -28/ -29/ -269 -262	(mS/cm) 0,627 0,627	(NTU) 27,9 32.5	(mg/L) 3, 36 1,57	(g/L) 0,401 0,400
(feet) 1145 4.97 1145 5.88 1150 6.08	(°C) 21,45 20.91 21,62	8.05 7.76 8,10 8.73	(mV) -28/ -29/ -269	(mS/cm) 0.627 0.627 0.623	(NTU) 27.9 32.5	(mg/L) 2, 36 1, 57 3, 50	(g/L) 0,401 0,400 0,398
(feet) 1/45	(°C) 21,45 20.91 21,62	8.05 7.76 8,10 8.73	(mV) -28/ -29/ -269 -262	(mS/cm) 0.627 0.627 0.623	(NTU) 27.9 32.5	(mg/L) 2, 36 1, 57 3, 50	(g/L) 0,401 0,400 0,398
(feet) 1/45 4.97 1/45 5.88 1/50 6.08 1/55 6.35 1/200	(°C) 21,45 20.91 21,62	8.05 7.76 8,10 8.73	(mV) -28/ -29/ -269 -262	(mS/cm) 0.627 0.627 0.623	(NTU) 27.9 32.5	(mg/L) 2, 36 1, 57 3, 50	(g/L) 0,401 0,400 0,398
(feet) 1/45	(°C) 21,45 20.91 21,62	8.05 7.76 8,10 8.73	(mV) -28/ -29/ -269 -262	(mS/cm) 0.627 0.627 0.623	(NTU) 27.9 32.5	(mg/L) 2, 36 1, 57 3, 50	(g/L) 0,401 0,400 0,398
(feet) 1/45	(°C) 21,45 20.91 21,62	8.05 7.76 8,10 8.73	(mV) -28/ -29/ -269 -262	(mS/cm) 0.627 0.627 0.623	(NTU) 27.9 32.5	(mg/L) 2, 36 1, 57 3, 50	(g/L) 0,401 0,400 0,398
(feet) 1/45	(°C) 21,45 20.91 21,62	8.05 7.76 8,10 8.73	(mV) -28/ -29/ -269 -262	(mS/cm) 0.627 0.627 0.623	(NTU) 27.9 32.5	(mg/L) 2, 36 1, 57 3, 50	(g/L) 0,401 0,400 0,398
(feet) // # # 4. 97 // 4. 97 // 5. 88 // 5. 6. 35 // 20 //	(°C) 2/, 4/5 20. 7/ 21, 62 2/, 95 70 SVOC 60 VOC's 12 Total Cy	8.05 7.76 8.70 8.73 DR PAH's BTEX yanide	(mV) -28/ -29/ -269 -26Z ied	(mS/cm) 0.627 0.627 0.623 0.623	(NTU) 27, 9 32. 5 50, 9 57, 8 2 - 100 ml am 3 - 40 ml vi 1 - 250 ml pli	(mg/L) 3, 36 1, 57 3, 50 4, 76 4, 76	(g/L) 0, 40/ 0, 400 0, 398 0,389 es No es No es No
(feet) // # # 4. 97 // 5. 88 // 5. 88 // 5. 88 // 5. 88 // 5. 88 // 5. 88 // 5. 88 // 5. 88 // 5. 88 // 5. 88 // 5. 88 // 2. 20 // 2	70 SVOC F 60 VOC'S 12 Total Cy	8.05 7.76 8.10 8.73 DR PAH's	(mV) -28/ -29/ -269 -262	(mS/cm) 0:627 0:627 0:623 0:608	(NTU) 27. 9 32. 5 50. 9 57. 8 2 - 100 ml am 3 - 40 ml vi 1 - 250 ml pli	mbers You astic You Ship to Pace A	(g/L) 0, 40/ 0, 400 0, 398 0,383 0,383 No es No ickup

Ogdensburg, New York							
Sampling Personnel:	G. ERN	87-		Date: 10	120/2/	<i>(</i>	
	5-136690-221			Weather:	clear	60 5	
000 110	7 100000 == -			Time In:/	050	Time Out:	1135
Well Id. MW-5R(R)		<u> </u>					
Well Information		тос	Other	Well Type:	Flush	mount S	tick-Up
Depth to Water:	(feet)	2.//		Well Locked		Yes	No
Depth to Bottom:		24.30		Measuring Po		Yes X	No
Depth to Product:	(feet)	NP		Well Materia	···	2" Othe	
Length of Water Column	(feet)	2,19		Well Diamet	er: 'L	2	···
Volume of Water in Well:	(gal)	1,55		Comments:			
Three Well Volumes:	(gal) /4	2.65			<u> </u>	···· · · · · · · · · · · · · · · · · ·	
					. '2 , '2 , ' 3, ' 3, '3, '3, '3, '3, '3, '3, '3, '3, '3, '		
		<u> </u>					
Purging Information					<u> </u>	Conversion F	actors
		<u> </u>	\	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Purging Method:	Bailer	Peristaltic		ethylene	gaint.		
Tubing/Bailer Material:	Teflon	Stainless St.		os Pump	water	0.04 0.16	0.66 1.47
Sampling Method:	Bailer	Peristaltic	Giunai	os Fump[]		n=3.785L=3785n	nL=1337cu. feet
Average Pumping Rate:		200			L		
Duration of Pumping:	(min)	35 1.5 D	id well go dry?	Yes No	$\overline{\mathbf{x}}$		1
Total Volume Removed:	 ;		-				
Horiba U-52 Water Qua	ity Meter Used?	Yes	⊠ No 🗌			_:::	
						T 50	TDS
Time DTW	Temp	рН	ORP	Conductivity	Turbidity	DO (ma/l)	(g/L)
(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L) 2・55	0,440
1055 2.9	7 20.78	7.21	-279	0.683	128	1,22	0.483
1100 3,9	3 20.27	7.76	~ 320	0.752	109	0,99	0.503
1105 512		8.38	-326	0.785	91.6	0.99	0.492
1110 6.26		8.54	-334	0.770	54,2	0.96	0.475
1115 7.0		8.57	-339	0.172	447	0.95	0.458
1120 7.5		8,58	- 342	0.694	3 - 3	0.93	0.444
1125 8.0	7 19.55	8.55	-343	0.011	23,		
							
		 	 				
Ц		<u> </u>					
r -							
Sampling Information							
	8270 SVOC	DAH'e			2 - 100 ml am	nbers Ye	es No
EPA SW-846 Method		BTEX			3 - 40 ml vi	als Ye	es No
EPA SW-846 Method	, 5245	BIEX Cyanide			1 - 250 ml pl	astic Y	es No
EPA SW-846 Method	1901Z Total C	yanue	•				K-21
Cample ID: MAN E	R(R)-1021	uplicate?	Yes No	X s	Shipped:	Pace Courier Pi	F
- · · · - · · · · · · · · · · · · · · 		AS/MSD?	Yes No	$ \boxtimes$		Ship to Pac	e
Sample Time:/					Laboratory:	Pace A	Analytical
Comments/Notes:					Education y.		sburg, PA
				ll l		_,	J

ampling Personnel:	n			Date: 10	120121		
				Weather:			·
ob Number: 0603275-136	090-221			Time In: 09	250	Time Out:	0:462
Vell ld. MW-8R				Tille iii.			
Well Information			Othor	Well Type:	Flush	mount St	ick-Up
			Other	Well Locked:		Yes	No
Depth to Water:	(feet)	-560		Measuring Poi		Yes	No
Depth to Bottom:	(feet)	20.92		Well Materia		SSOthe	r:
Depth to Product:	(feet)			Well Diamete		2" Othe	r:
ength of Water Column:	(feet)			Comments:	oi <u>L</u>		
Volume of Water in Well:	(gal)			Comments.			
Three Well Volumes:	(gal)						
Purging Information						Conversion F	
Durring Mothod:	Bailer	Peristaltic	Grundfo	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Purging Method:	Teflon	Stainless St.		ethylene	of		0.00
Tubing/Bailer Material:	Bailer	Peristaltic	K-7	os Pump	water	0.04 0.16	0.66 1.47
Sampling Method:		200_	<u></u>		1 gallo	n=3.785L=3785m	L=1337cu. feet
Average Pumping Rate:	(min)	30					
Duration of Pumping:		2 [oid well go dry?	Yes No			
Total Volume Removed:	(gal)			-			
Horiba U-52 Water Quality M	eter Used?	Yes					
				Conductivity	Turbidity	DO	TDS
Time DTW	Temp	pН	ORP	(mS/cm)	(NTU)	(mg/L)	(g/L)
(feet)	(°C)		(mV)	12.707	149	0.78	0.449
10:00 4.33	17.02	756	-276		49.3	3-37	0.44
10:05 4.89	17.17	7.92	251	0.702	20.5	299	0.450
10:10 5.98	17.42	8.34	-308	0.703	13.0	2.57	12.451
10:15 7.47	17.59	8.66	-322	0.704	0 (314	0.456
1220 897	17.44	3.94	- 39.5	0.712	7-1	102	10.452
	· A a real	910	1-330	0.714_		1.75	10.70
125 10.03	1765	1 6 7 3			11-7	1 2 7 1	1- 11-2
10:25 10.03	1755	9.39	-530	0.708	12-6	1.71	0.453
10:25 10.03	17.50	9.39				1.71	0.453
		9.39				1.71	0.453
		9.39				1.21	0.45.3
	17.50	9.39				1.21	0.453
	17.50	9.39				1.21	0.453
10:30 10.58	17.50	9.39				1.21	0.453
	17.50	9.39			12-6		6.453
Sampling Information:	14.50	9.39 PAH's			12-C	abers Ye	SS NO NO
Sampling Information: EPA SW-846 Method 8270	14.50 svoc				6 - 100 ml am 9 - 40 ml vi	abers Yeals Yeals	es No
Sampling Information: EPA SW-846 Method 8270 EPA SW-846 Method 8260	1 4.50 SVOC VOC's	PAH's			12-C	abers Yeals Yeals	es No
Sampling Information: EPA SW-846 Method 8270 EPA SW-846 Method 8260 EPA SW-846 Method 9012	svoc voc's	PAH's BTEX Cyanide		0.708	6 - 100 ml am 9 - 40 ml vi 3 - 250 ml pl	abers Yeals Yeastic Year	es No No
Sampling Information: EPA SW-846 Method 8270 EPA SW-846 Method 9012 MW-8R-MS-1021	svoc voc's Total C	PAH's BTEX Cyanide		0.708	6 - 100 ml am 9 - 40 ml vi 3 - 250 ml pl	abers Yeals Yeastic Years Pace Courier Pi	es No No Ckup
Sampling Information: EPA SW-846 Method 8270 EPA SW-846 Method 8260 EPA SW-846 Method 9012 MW-8R-MS-1021 Sample ID: MW-8R-1	svoc voc's Total (w-8R-MSD-	PAH's BTEX Cyanide 1021 Ouplicate?	-330	0.708	6 - 100 ml am 9 - 40 ml vi 3 - 250 ml pl	abers Yeals Yeastic Year	es No No Ckup
Sampling Information: EPA SW-846 Method 8270 EPA SW-846 Method 9012 MW-8R-MS-1021	svoc voc's Total (w-8R-MSD-	PAH's BTEX Cyanide	~ \$30	0.708	6 - 100 ml am 9 - 40 ml vi 3 - 250 ml pl	abers Yeals Yeastic Years Courier Pi	es No No Ckup

Ogdensburg, New York	2/
Sampling Personnel:	Date: 10/20/2/
Job Number: 0603275-136690-221	Weather: 5 mg 3+
	Time in: 09:30 Time Out: 09:45
Well ld. MW-9	
Well Information TOC Other Depth to Water: (feet) 4.94 Depth to Bottom: (feet) 6.35 Depth to Product: (feet) Length of Water Column: (feet) Volume of Water in Well: (gal) Three Well Volumes: (gal)	Well Type: Flushmount Stick-Up No
Purging Information	Footors
Purging Method: Tubing/Bailer Material: Sampling Method: Average Pumping Rate: (ml/min) Bailer Peristaltic Stainless St. Peristaltic St. Peristaltic Stainless St. Peristaltic St. Peri	Conversion Factors gal/ft. 1" ID 2" ID 4" ID 6" ID
Duration of Pumping: (min) 10 Total Volume Removed: (gal) -5 Did well go dry?	Yes No No
Horiba U-52 Water Quality Meter Used?	0
Horiba U-52 Water Quality Motor Cost	DO TDS
Time DTW Temp pH ORP (feet) (°C) (mV)	Conductivity Turbidity DO (mg/L) TDS (g/L) (mS/cm) (NTU) (mg/L) (g/L) 1.19 U.S.L. 0.97 0.767
09:40	
10:05 10:05	J
Sampling Information: EPA SW-846 Method 8270 SVOC PAH's EPA SW-846 Method 8260 VOC's BTEX EPA SW-846 Method 9012 Total Cyanide	2 - 100 ml ambers Yes No 3 - 40 ml vials Yes No 1 - 250 ml plastic Yes No Shipped: Pace Courier Pickup
Sample ID: MW-9-1021 Duplicate? Yes No	Shin to Base
Sample Time: MS/MSD? Yes No Comments/Notes: 09:40	Laboratory: Pace Analytical Greensburg, PA
_ , , _ \	

Ogdensburg, New York	
Sampling Personnel:	Date: 10/20/2
	Weather: Sand 5 T
	Time In: 8-45 Time Out: 09-38
Well ld. MW-10R	
Well Information	
TOC Other	Well Type: Flushmount Stick-Up
Depth to Water: (feet) 0.53	Well Locked.
Depth to Bottom: (feet) 22.50	Measuring Form Marked.
Depth to Product: (feet)	Well Material: PVC SS Other:
Length of Water Column: (feet) 21.95	Comments:
Volume of Water in Well: (gal) 3.5	Collanello.
Three Well Volumes: (gal) 10-5-3	
Div a Information	
Purging Information	Conversion Factors
Purging Method: Bailer Peristaltic Grundfo	gal/ft. 1" ID 2" ID 4" ID 6" ID
	thylene of an analysis and a second start
Sampling Method: Bailer Peristaltic Grundfo	water 0.04 0.16 0.66 1.47
Average Pumping Rate: (ml/min)	1 gallon=3.785L=3785mL=1337cu. feet
Duration of Pumping: (min) 30	
Total Volume Removed: (gai) 2 Did well go dry?	Yes No
Horiba U-52 Water Quality Meter Used? Yes No	
Tioriba o oz Trato	
Time DTW Temp pH ORP	Conductivity Turbidity DO TDS
(feet) (°C) (mV)	(mS/cm) (NTU) (mg/L) (g/L)
08:55 1.96 16.25 8.92 -195	0.389 2.5 1.31 0.252
109:00 3.93 16.61 9.10 -225	
000 433 16.45 8.99 -233	0.750 0 5 0 7 2 10 1115
19:10 GID 16 29 8.91 -244	0.011
09:16 5:29 16.32 8.94 -248	0.652 0.5 1.22 6,418
09.20 5.43 16 37 8.96 -253	0.00 0.0 1090 429
09:25 3.55 16.39 9.01 -251	0.66009
Sampling Information:	
Samping mornation.	
EPA SW-846 Method 8270 SVOC PAH's	4 - 100 ml ambers Yes No
EPA SW-846 Method 8260 VOC's BTEX	6 - 40 ml vials Yes No
EPA SW-846 Method 9012 Total Cyanide	2 - 250 ml plastic Yes No
FD-1021	Shipped: Pace Courier Pickup
Sample ID: MW-10R-1021 Duplicate? Yes No	Shipped: Pace Courier Pickup Ship to Pace
Sample Time: 09.75 MS/MSD? Yes No	<u> </u>
	Laboratory: Pace Analytical
Comments/Notes:	Greensburg, PA

Ogdensburg, New York		_	1.15.15	/
Sampling Personnel:	6 ERNST	Date:	10/20/2/	
Job Number: 0603275-13	6690-221	Weathe		
Well ld. MW-11		Time In	: 1005	Time Out: /050
7701121		,		
Well Information		ther Well Ty	F	mount Stick-Up
Depth to Water:	(feet) 3.73	Well Lo		Yes No
Depth to Bottom:	(feet) 6.51	Measur Well M	ng Point Marked:	SS Other:
Depth to Product:	(feet) NP		iameter: 1"	2" Other:
Length of Water Column:	(feet) 2.78	Comm	-	
Volume of Water in Well:	(907)			
Three Well Volumes:	(gal) /, 33			
Purging Information				Conversion Factors
	Bailer Peristaltic	Grundfos Pump	gai/ft.	1" ID 2" ID 4" ID 6" ID
Purging Method:	Teflon Stainless St.	Polyethylene	of	
Tubing/Bailer Material:	Bailer Peristaltic	- 7	water	
Sampling Method: Average Pumping Rate:	(ml/min) 200		1 gallo	n=3.785L=3785mL=1337cu. feet
Duration of Pumping:	(min) 30		r	•
Total Volume Removed:		i well go dry? Yes	No X	1
	, , , , , , , , , , , , , , , , , , ,	No		
Horiba U-52 Water Quality I	Meter Used?			
		ORP Conduct	ivity Turbidity	DO TOS
Time DTW	Temp pH	(mV) (mS/ci	- 1	(mg/L) (g/L)
(feet)	(°C) 19.25 7.36	-179 0,00		7.54 0.001
1010 3.87		-195 114		1.58 0.958
1015 4.11	1011	-215 1.5		0.95 0.965
1020 4.23			4 127	0.83 0.98/
1025 4.27	18.21 6.92	-219 1,5	4 108	0.77 0.986
	18.37 6.82	-218 1.5	3 61.4	0.72 0.979
10.35 4.29	18.45 6.79	-218 1.5	3 21.4	0.69 0.979
1040 4.30	178.73			
Complian information:		 -		
Sampling Information:				
EPA SW-846 Method 827	70 SVOC PAH's		2 - 100 ml am	
EPA SW-846 Method 82			3 - 40 ml vi	
EPA SW-846 Method 90			1 - 250 ml pl	astic Yes No
ELW 244-040 Megrod 30	· · · · · ·			n according District
Sample iD: MW-11	-1021 Duplicate?	Yes No	Shipped:	Pace Courier Pickup
Sample Time: /0		Yes No X		Ship to Pace
			Laboratory:	Pace Analytical
Comments/Notes:			,	Greensburg, PA
			11	<u> </u>

gdensburg, New York		Date: /3/20/2/
ampling Personnel: 6. F	RNST	
ob Number: 0603275-1366		Weather.
7,111,400		Time In: 0910 Time Out: 1005
/eil ld. MW-12R		
Well Information Depth to Water: Depth to Bottom: Depth to Product: Length of Water Column:	TOC Other (feet) 9,19 (feet) 21.40 (feet) 12,21	Well Type: Flushmount Stick-Up Well Locked: Yes No Measuring Point Marked: Yes No Well Material: PVC SS Well Diameter: 1" 2" Other: Comments:
Volume of Water in Well:	(gal) 1,95 (gal) 5,86	
Three Well Volumes:	(gal) 5,86	
Purging Method: Tubing/Bailer Material: Sampling Method: Average Pumping Rate: Duration of Pumping: Total Volume Removed:	Bailer Peristaltic Stainless St. Peristaltic Mailer Stainless St. Peristaltic Mailer M	
Horiba U-52 Water Quality N	leter Used r	TDC
Time DTW (feet) 9.25 9.77 9.30 /0.27 9.35 //.08 9:40 //.90 9:45 /2.67 9:50 /3.58 9:51 /4.20	14.11 7.57 -26 14.11 7.57 -26 14.28 7.80 -2 14.66 7.72 -3 15.07 7.67 -3	ORP Conductivity (mS/cm) (NTU) (mg/L) (g/L) (mS/cm) (nTU) (mg/L) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nTU) (nT
Sampling Information:	0 SVOC PAH's 50 VOC's BTEX	2 - 100 ml ambers Yes No 3 - 40 ml vials Yes No 1 - 250 ml plastic Yes No

Sampling Personnel:	K	Date: 10/20/4
Job Number: 0603275-136		Weather: Som 60
		Time In: 1/=25 Time Out: 12:00
Well id. MW-14R		
Well Information		
Well Information	TOC Other	Well Type: Flushmount Stick-Up
Depth to Water:	(feet) D-60	Well Locked: Yes No
Depth to Bottom:	(feet) 50.80	Measuring Point Marked: Yes No No Other:
Depth to Product:	(feet)	Well Material: PVC SS Other:
Length of Water Column:	(feet) 30-30	Comments:
Volume of Water in Well:	(gal) 8.12 (gal) 74.30	Contanto
Three Well Volumes:	(gal) 24.30	
Purging Information		
Turging information		Conversion Factors
Purging Method:	Bailet	ndfos Pump gal/ft. 1" ID 2" ID 4" ID 6" ID
Tubing/Bailer Material:		Polyethylene of water 0.04 0.16 0.66 1.47
Sampling Method:		mdfos Pump water 0.04 0.16 0.66 1.47 1 gallon=3.785L=3785mL=1337cu. feet
Average Pumping Rate:	(ml/min)	i gallon=3.765E=3766inE=16676E.1665
Duration of Pumping:	(min) 33 (gal) 2 Did well go dr	ry? Yes No
Total Volume Removed:), I
Horiba U-52 Water Quality M	eter Used? Yes No No	
		Conductivity Turbidity DO TDS
Time DTW	Temp pH ORP (°C) (mV)	Conductivity Turbidity DO TDS (mS/cm) (NTU) (mg/L) (g/L)
(feet)	16.01 7.37 -31D	0.676 3.3 0.84 0.423
11:25 0.00	14.05 7.50 -330	0.613 31 0-6 0.397
11.35 60.00	13.90 7.33 -336	0.613 3.0 0.59 0.393
11:40 10:00	13.61 7.20 -33	9 0.615 1.5 0.57 0.394
11:45 0.00	13.51 7.14 -335	0.6,7 (2 0.35 0.39)
1.50 0.00	13.36 7.12 33	0.03 1.0
11:35 0.00	13.31 7.12 -335	5 0.612 1.0 053 0.371
Sampling Information:		
Заприну иноппацоп.	`	K1
EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers Yes No
EPA SW-846 Method 8260		3 - 40 ml vials Yes No
EPA SW-846 Method 9012		1 - 250 ml plastic Yes No
		Shipped: Pace Courier Pickup
Sample ID: MW-14R-1	Duplicate? Yes No	Chin to Doop
Sample Time:	MS/MSD? Yes No	
Comments/Notes:		Laboratory: Pace Analytical Greensburg, PA

Ogdensburg, New York							
Sampling Personnel: Puty	lnin			Date: 10/2	16) 0		
Job Number: 0603275-13	J			Weather:	40° Surve		
Well id. MW-15			····	Time In: 10	ol	Time Out:	1040
yveniu.							
Well Information						K 7	F1
			Other	Well Type:		nmount S	tick-Up No
Depth to Water:	· · · · · · · · · · · · · · · · · · ·	7.33		Well Locked Measuring Po		Yes	No
Depth to Bottom: Depth to Product:	(feet)	9.04		Well Materia	N N	SSOth	er:
Length of Water Column:		0.71		Well Diamet	ter: 1"	2" \(\int \text{Other}	er:
Volume of Water in Well:	(gal)	o //		Comments:			
Three Well Volumes:	(gal)	.34				<u></u>	
					· · · · · · · · · · · · · · · · · · ·	<u> </u>	
		- 12	: :::=.		;	<u> </u>	
Purging Information						Conversion F	actors
Purging Method:	Bailer	Peristaltic	Grundfo	os Pump	gai/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer Material:	Teflon	Stainless St.	· -	ethylene	of	0.04 0.46	0.66 1.47
Sampling Method:	Bailer	Peristaltic	Grundf	os Pump	water	0.04 0.16 on=3.785L=3785m	
Average Pumping Rate:		<u>2 क</u>			ı ganc)] -3.763L-3766	E-1557 Cd. 1001
Duration of Pumping:		<u>30</u> 2 D	id well go dry?	Yes X No	₹		
Total Volume Removed:	(gai)	<u> </u>		ا ۱۰۰۰ کی	<u></u>		
Horiba U-52 Water Quality M	leter Used?	Yes	No.				
	Town	pН	ORP	Conductivity	Turbidity	DO	TDS
Time DTW (feet)	Temp (°C)	ριι	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
DO5 8.58	16.81	6.74	-178	.003	108	9.90	2003
1010 8.79	17.67	6.75	-173	.003	109	9.74	,78d
1015 Dry	18.44	6.54	-151	1.22	0.0	2.69	1700
1020				 		 	
1025							
1036							
7033							<u> </u>
		<u></u>	<u></u>	-			
				<u> </u>			
Sampling Information:						. <u></u>	
Sampling information.							<u> </u>
EPA SW-846 Method 8270	svoc i	PAH's			2 - 100 ml am		s No
EPA SW-846 Method 8260		BTEX			3 - 40 ml via		s No
EPA SW-846 Method 9012	Total Cy	anide			1 - 250 ml pla	istic Ye	s No No
	004 🗠	plicate?	Yes No No	Z si	nipped:	Pace Courier Pic	kup 🔀
Sample ID: MW-15-1		S/MSD?	Yes No	₹		Ship to Pace	· —
Sample Time:	1040		· · · L K_		Laboratory:	Pace Ai	nalytical
Comments/Notes:					Laboratory.		•
Went oby		,		1		Greenst	ourg, PA

Ogdensburg, Ne	w York							
Sampling Perso	nnel Det	, ly in			Date: 10/3	1000		
					Weather: Su	MY 550		
Job Number:	0603275-136	690-22 I			Time in: 80	70\$	Time Out:	955
Well ld. M	W-15RS				Time in			
Well Infor	mation		_		Well Type:	Flushr	mount Sti	ck-Up
			100	Other	Well Locked:		Yes	No
Depth to Water			50		Measuring Poi		Yes	No
Depth to Bottor	n:	(feet) 2	23.65		Well Material		SSOthe	r:
Depth to Produ	ict:	(feet)			Well Diamete	·*	2" Othe	г:
Length of Water	er Column:	1 7	5.15		Comments:			1
Volume of Wat	er in Well:		2.42		00,111111111111111111111111111111111111			
Three Well Vol	umes:	(gal)	27					
								··· — · · · · · · · · · · · · · · · · ·
Purging In	formation						Conversion Fa	actors
				57 1 - "		gal/ft.		4" ID 6" ID
Purging Metho	od:	Bailer	Peristaltic	Z	os Pump	of gavit.		
Tubing/Bailer I		Teflon	Stainless St.		ethylene	water	0.04 0.16	0.66 1.47
Sampling Met	nod:	Bailer	Peristaltic	Grundie	os Pump	1 gallo	n=3.785L=3785m	L=1337cu. feet
Average Pum	ping Rate:	(ml/min)	<u> 220</u>					
Duration of Pu	ımping:	(min)	<u>30</u>	id well go dry?	Yes No	য়ী		ļ
Total Volume	Removed:	(gal)			163	7 71		
Horiba U-52 V	Water Quality N	leter Used?	Yes	No.				
Liona		, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						TDS
Time	WTQ	Temp	рН	ORP	Conductivity	Turbidity	DO ((1-)	(g/L)
	(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L) 2.48	894
0920	10.58	14.49	6.93	-179	1.40	5.1	2.39	.889
CA15 0925		14.66	6.89	-238	1,39	16.6	2.52	• 887
0920073		14.61	6.86	-259	1.39	23.7	2.60	.892
0935	14.42	14.63	6.86	-271	1.39		2.51	.893
0940	14.90	14.55	6.84	-280	1.40	7.8	2,52	.899
0945	15.22	14.61	6.84	-284	1.40		2.45	.9/3
0950	15.65	14.48	6.82	-290	1,73	12.6	2.75	
<u> </u>				<u> </u>	<u> </u>			
			ļ	 				
		1	<u> </u>	<u> </u>				
Sampling li	nformation:							
- Campung ii						2 - 100 ml am	shere Ve	es No
1	846 Method 827	0 SVOC	PAH's			2 - 100 mi an 3 - 40 ml vi		No No
# FPASW-			BTEX			3 - 40 mi vi 1 - 250 ml pl		es No
	-846 Method 826	,0 ,000				1 - 200 1111 (1)	MOTIO .	L/ N/ L
EPA SW	-846 Method 826 -846 Method 901		cyanide			·		
EPA SW	-846 Method 826 -846 Method 90°	2 Total C		K	Z 1 °			K-2
EPA SW EPA SW		2 Total C	ouplicate?	Yes No	→		Pace Courier Pi	ckup 🔀
EPA SW	-846 Method 90°	2 Total C		Yes No	→	hipped:	Pace Courier Pi Ship to Pace	ckup
EPA SW EPA SW Sample ID:	-846 Method 90°	2 Total C	ouplicate?	· · · · ⊢ ⊢ ⊢ F	→		Pace Courier Pi Ship to Pace Pace A	ckup 🔀

National Grid
King Street Non-Owned Former MGP Site

Ogdensburg, New York	
Sampling Personnel: /2_	Date: 18/20/24
Job Number: 0603275-136690-221	Weather: 5 3 8
	Time In: 10, 45 Time Out: 11-25
Well Id. MW-17R	
Well Information TOC Other Depth to Water: (feet) 7-29' Depth to Bottom: (feet) 26.90 Depth to Product: (feet) Length of Water Column: (feet) 19.61 Volume of Water in Well: (gal) 3.13 Three Well Volumes: (gal) 7.41	Well Type: Flushmount Stick-Up Well Locked: Yes Measuring Point Marked: Yes Well Material: PVC SS Well Diameter: 1" Other: Comments:
Purging Information	Conversion Factors 7 al /6
Purging Metriod:	os Pump gal/it.
Tubing/Baller Material.	ethylene of water 0.04 0.16 0.66 1.47
Sampling Method.	1 gallon=3.785L=3785mL=1337cu. feet
Average Pumping Rate: (ml/min) 230 Duration of Pumping: (min) 38	÷ > /
Total Volume Removed: (gal) Z Did well go dry?	Yes No
Horiba U-52 Water Quality Meter Used?	
	TOS II
Time DTW Temp pH ORP	Conductivity Turbidity DO TDS
(feet) (°C) (mV)	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) (0:45 8-43 16-40 9-41 -301	(mS/cm) (NTU) (mg/L) (g/L) 0.922 3-5 1.95 0.59/
(feet) (°C) (mV) 10:45 8-43 16:40 9:41 -301 10:50 10:05 15:30 9-53 -297	(mS/cm) (NTU) (mg/L) (g/L) 0.927 35 1.95 0.59/ 0.960 0.0 1-74 0.614 0.947 0.0 1.54 0.601
(feet) (°C) (mV) 10:45 8 43 16:40 9:41 -301 70:50 10:05 15:30 9:53 -297 10:55 12:30 15 16 9:07 -297	(mS/cm) (NTU) (mg/L) (g/L) 0.922 35 1.93 0.59/ 0.960 0.0 1-74 0.614 0.947 0.0 1.54 0.601 6.921 0.0 1.38 6.699
(feet) (°C) (mV) 10:45 8:43 16:40 9:41 -301 10:50 10:05 15:30 9-53 -297 10:55 12:30 15:42 9:07 -297 11:05 13:70 15:47 8:19 -296	(mS/cm) (NTU) (mg/L) (g/L) 0.927 35 1.95 0.59/ 0.960 0.0 1-74 0.614 0.947 0.0 1.54 0.601
(feet) (°C) (mV) 10:45 8.43 16.40 9.41 -301 10:50 10:05 15.30 9.53 -297 10:55 12:30 15.46 9.07 -297 11:05 13.76 15.67 8.19 -296 11:10 13.75 15.36 7.77 -296	(mS/cm) (NTU) (mg/L) (g/L) 0.927 35 1.95 0.59/ 0.960 0.0 1-74 0.614 0.947 0.0 1-38 6.699 0.947 3-7 1-23 0.604 0.952 3-8 1.91 0.609
(feet) (°C) (mV) 10:45 8:43 16:40 9:41 -301 10:50 10:05 15:30 9-53 -297 10:55 12:30 15:42 9:07 -297 11:05 13:70 15:47 8:19 -296	(mS/cm) (NTU) (mg/L) (g/L) 0.922 35 1.93 0.59/ 0.960 0.0 1-74 0.614 0.947 0.0 1.54 0.601 6.921 0.0 1.38 6.699
(feet) (°C) (mV) 10:45 8.43 16.40 9.41 -301 10:50 10:05 15.30 9.53 -297 10:55 12:30 15.46 9.07 -297 11:05 13.76 15.67 8.19 -296 11:10 13.75 15.36 7.77 -296	(mS/cm) (NTU) (mg/L) (g/L) 0.927 35 1.95 0.59/ 0.960 0.0 1-74 0.614 0.947 0.0 1-38 6.699 0.947 3-7 1-23 0.604 0.952 3-8 1.91 0.609
(feet) (°C) (mV) 10:45 8.43 16.40 9.41 -301 10:50 10:05 15.30 9.53 -297 10:55 12:30 15.46 9.07 -297 11:05 13.76 15.67 8.19 -296 11:10 13.75 15.36 7.77 -296	(mS/cm) (NTU) (mg/L) (g/L) 0.927 35 1.95 0.59/ 0.960 0.0 1-74 0.614 0.947 0.0 1-38 6.699 0.947 3-7 1-23 0.604 0.952 3-8 1.91 0.609
(feet) (°C) (mV) 10:45 8.43 16.40 9.41 -301 10:50 10:05 15.30 9.53 -297 10:55 12:30 15.46 9.07 -297 11:05 13.76 15.67 8.19 -296 11:10 13.75 15.36 7.77 -296	(mS/cm) (NTU) (mg/L) (g/L) 0.927 35 1.95 0.59/ 0.960 0.0 1-74 0.614 0.947 0.0 1-38 6.699 0.947 3-7 1-23 0.604 0.952 3-8 1.91 0.609
(feet) (°C) (mV) 10:45 8.43 16.40 9.41 -301 10:50 10:05 15.30 9.53 -297 10:55 12:30 15.46 9.07 -297 11:05 13.76 15.67 8.19 -296 11:10 13.75 15.36 7.77 -296	(mS/cm) (NTU) (mg/L) (g/L) 0.927 35 1.95 0.59/ 0.960 0.0 1-74 0.614 0.947 0.0 1-38 6.699 0.947 3-7 1-23 0.604 0.952 3-8 1.91 0.609
(feet) (°C) (mV) 10:45 8:43 16:40 9:41 -301 10:50 10:05 15:30 9-53 -297 10:55 12:30 15:46 9:07 -297 11:05 13:76 15:67 8:19 -296 11:10 13:75 15:36 7:77 -296 11:20 13:95 15:37 7:57 -296	(mS/cm) (NTU) (mg/L) (g/L) 0.927 35 1.95 0.59/ 0.960 0.0 1-74 0.614 0.947 0.0 1-38 6.699 0.947 3-7 1-23 0.604 0.952 3-8 1.91 0.609
(feet)	(mS/cm) (NTU) (mg/L) (g/L) 0 · QZZ 3 · J. 93 0 · S9/ 0 · 960 0 · O J · 7 · Q · O / 9 0 · 947 0 · O J · 38 0 · S9 0 · 942 3 · 7 J · 23 0 · 60 · 9 0 · 942 3 · 7 J · 23 0 · 60 · 9 0 · 952 3 · B J · 91 0 · O / 9 0 · 950 3 · V J · 7 · 7 · 0 · O / 10 · 10 · O / 1

Ogdensburg, Now York				2-111		
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Job Number: 0603275-136690-2	21		Weather: 5			1715
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Well Information				Eluch	mount X St	ick-Up
	TOC	Other	Well Type: Well Locked:		Yes	No
Depth to Water: (fee	20.40		Measuring Poi		Yes	No
Depth to Bottom: (fee			Well Materia		SSOthe	r:
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Tubing/Bailer Material:	Teflon Stainless St	` .	ethylene os Pump	water	0.04 0.16	0.66 1.47
Sampling Method:	Bailer Peristalti	c Grundic	os Pump		n=3.785L=3785m	
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Dalation et : e	min) 35 (gal) 2	Did well go dry?	Yes No	$\overline{\chi}$		
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EPA SW-846 Method 8270	SVOC PAH's VOC's BTEX			3 - 40 ml vi	als Ye	s No
EPA SW-846 Method 8260	Total Cyanide			1 - 250 ml pla	astic Ye	s No
EPA SW-846 Method 9012	Total Cyanido					
				_	m Outside Die	
	Duplicate?	Yes No	∑ SI	hipped:	Pace Courier Pic	
Sample ID: MW-20R-1021	Duplicate? MS/MSD?	Yes No Yes No	SI SI	hipped:	Ship to Pace	
		···	SI	hipped: Laboratory:	Ship to Pace	

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical *

Section A Required Client Information: R Required Client Information: R	Section B Required Project Information: Report To: Dewn Shay (GES)	Section C Invoice Information: Attention: Accounts Payable via email at ges-invoices@gesonfue.com	all at ges-involces@ge	sonline.com			Page:	ge: 1 of 1 SNCY	
	dshay@gesonline.com	Company Name Groundwater & Environmental Services, Inc.	nvironmental Services.	Inc.		NPDES GROUND WATER	WATER (")RINKING WATER	WATER	
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Email To: dshay@gesonline.com	Purchase Order No.:	—1					1	M THER	
Phone: 800.220.3069 Fax: None	Project Name: National Grid - Ogdensburg King Street Ogdensburg, NY	g Pace Project Manager: Rachel Christner	stner			LOCALION	~ -	•	
FAT: Stendard	Project Number: 0603275-136690-221-1106	Pace Profile #.	Semi-Annual GWS	GWS		Filtered (Y/N)			
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Appendix C – Data Usability Summary Report



Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201 Blacksburg, VA 24060

T. 800.662.5067

January 28, 2022

Devin Shay Groundwater & Environmental Services, Syracuse 6780 Northern Blvd., Suite 100 East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid - Ogdensburg: Data Packages Pace Analytical Job No. **30416160**

Review has been completed for the data packages generated by Pace Analytical that pertain to monitoring well samples collected during the April 2021 sampling event at the National Grid Ogdensburg site. Thirteen aqueous samples, a trip blank and a field duplicate were collected from the main site. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX), cyanide and polycyclic aromatic hydrocarbons (PAHs). One trip blank was analyzed for volatiles with the samples. The trip blank is used to determine if there is BTEX contamination caused by transporting the samples.

Analytical methodologies are those of the USEPA with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- 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
- Sample Quantitation and Identification

Table 1 - Data Qualifications

Sample ID	Qualifier	Analyte	Reason for qualification
MW-2R MW-5R MW-8R MW-9 MW-10R MW-11 MW-12R MW-15RS MW-17R	J+	Naphthalene	High LCS recovery
MW-2R MW-9 MW-11	J	Benzo(b)fluoranthene Benzo(k)fluoranthene	Co-elution of peaks
MW-8R	J-	Cyanide	Low MS/MSD recovery
MW-10R FD	J	Fluorene 2-methylnaphthalene	RPD exceeds maximum
MW-8R	J+	Acenaphthene	High MS/MSD recovery

In summary, sample results are usable as reported, with non-compliances noted.

The result for pH in all applicable samples was qualified by the laboratory as estimated due to the short hold time of 15 minutes.

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 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-8R** as the matrix. All QC elements fell within project criteria, with the exception of the recovery and RPD for benzene. The original concentration reported for benzene was not less than the EPA recommended 4x the spiking concentration for usable calculations. Therefore, the data is not qualified by the low recovery and RPD exceedance and is usable as reported. The blind field duplicate correlations of **MW-10R** were within the project specification of ≤25%.

The laboratory control spike reported high, out-of-specification recoveries for naphthalene, and all positive detections associated with the LCS are qualified as estimated, with a possible high bias.

PAHs by EPA8270D/NYSDEC ASP

Holding times are met. Instrumental tune fragmentations are within acceptance ranges. Blanks show no contamination. Surrogate recoveries were within criteria. Calibration standards, both

initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

The laboratory control spike recoveries and precision indicate the method is within laboratory control, with the exception of a high recovery for naphthalene. All positive detections are qualified as estimated, with a possible high bias. MS/MSD was analyzed using **MW-8R** as the matrix. All QC elements fell within project criteria, with the exception of acenaphthene, which recovered high. Acenaphthene in **MW-8R** is qualified as estimated with a possible high bias. The blind field duplicate correlations of **MW-10R** were within the project specification of ≤25%, with the exception of fluorene and 2-methylnaphthalene. Both of these compounds in **MW-10R** are qualified as estimated with an indeterminate bias.

Cyanide by EPA 9012A/NYDESC ASP

Holding times were met. 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 and precision indicate the method is within laboratory control. MS/MSDs were analyzed using **MW-8R**. Cyanide recovered low in the MS/MSD, and is qualified as estimated low in the sample. The blind field duplicate correlations of **MW-10R** were within project criteria. No data was qualified.

Precision

Table 2 - Data Precision

Compound	MW-10R	FD	RPD
Acenaphthene	22.0	26.8	19.7
Acenaphthylene	31.6	38.2	18.9
Anthracene	0.89	0.90	1.1
Acenaphthene	22.0	26.8	19.7
Fluorene	9.7	12.9	<mark>28.3</mark>
2-Methylnaphthalene	6.4	8.9	<mark>32.7</mark>
Naphthalene	405	470	14.9
Phenanthrene	1.8	2.2	20.0
Benzene	1040	1050	1.0
Ethylbenzene	94.3	98.5	4.4
Toluene	171	153	11.1
Xylene, total	125	122	2.4
m&p-Xylene	82.5	84.5	2.4
o-Xylene	42.4	37.7	11.7
Cyanide	0.074	0.078	5.3

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,

Bonnie Janowiak, Ph.D.

Senior Chemist, NRCC Certified

fortwisk_



SAMPLE SUMMARY

Project: National Grid - Ogdensburg Kin

Pace Project No.: 30416160

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30416160001	MW-2(R)-0421	Water	04/15/21 14:30	04/19/21 09:45
30416160002	MW-5R(R)-0421	Water	04/15/21 13:55	04/19/21 09:45
30416160003	MW-8R-0421	Water	04/15/21 11:25	04/19/21 09:45
30416160004	MW-8R-MS-0421	Water	04/15/21 11:25	04/19/21 09:45
30416160005	MW-8R-MSD-0421	Water	04/15/21 11:25	04/19/21 09:45
30416160006	MW-9-0421	Water	04/15/21 10:35	04/19/21 09:45
30416160007	MW-10R-0421	Water	04/15/21 10:00	04/19/21 09:45
30416160008	MW-11-0421	Water	04/15/21 13:10	04/19/21 09:45
30416160009	MW-12R-0421	Water	04/15/21 12:25	04/19/21 09:45
30416160010	MW-14R-0421	Water	04/15/21 10:45	04/19/21 09:45
30416160011	MW-15-0421	Water	04/15/21 13:10	04/19/21 09:45
30416160012	MW-15RS-0421	Water	04/15/21 13:50	04/19/21 09:45
30416160013	MW-17R-0421	Water	04/15/21 10:00	04/19/21 09:45
30416160014	MW-19R-0421	Water	04/15/21 12:25	04/19/21 09:45
30416160015	MW-20R-0421	Water	04/15/21 11:35	04/19/21 09:45
30416160016	FD-0421	Water	04/15/21 00:00	04/19/21 09:45
30416160017	Trip Blanks	Water	04/15/21 00:00	04/19/21 09:45

REPORT OF LABORATORY ANALYSIS



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30416160

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

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

Date: April 28, 2021

General Information:

16 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.

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.

QC Batch: 444465

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 2145684)
 - Naphthalene

Matrix Spikes:

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

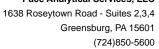
QC Batch: 444465

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30416160003

MH: Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

- MSD (Lab ID: 2145686)
 - Acenaphthene

REPORT OF LABORATORY ANALYSIS





Project: National Grid - Ogdensburg Kin

Pace Project No.: 30416160

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

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

Date: April 28, 2021

Additional Comments:

REPORT OF LABORATORY ANALYSIS



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30416160

Method: EPA 8260C Description: 8260C MSV

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

Date: April 28, 2021

General Information:

17 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.

QC Batch: 444389

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30416160003

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

- MS (Lab ID: 2145169)
 - Benzene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2145170)
 - Benzene

Additional Comments:

REPORT OF LABORATORY ANALYSIS



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30416160

Method: EPA 9012B

Description: 9012B Cyanide, Total

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

Date: April 28, 2021

General Information:

16 samples were analyzed for EPA 9012B 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.

Sample Preparation:

The samples were prepared in accordance with EPA 9012B 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: 444477

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30415885005,30415885008

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

- MS (Lab ID: 2145740)
 - Cvanide
- MSD (Lab ID: 2145741)
 - Cyanide

QC Batch: 444476

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30416160003,30416160004

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

- MS (Lab ID: 2145732)
 - Cyanide
- MS (Lab ID: 2145734)
 - Cyanide
- MSD (Lab ID: 2145733)
 - Cyanide
- MSD (Lab ID: 2145735)
 - Cyanide

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS



Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201 Blacksburg, VA 24060

T. 800.662.5067

January 28, 2022

Devin Shay Groundwater & Environmental Services, Syracuse 6780 Northern Blvd., Suite 100 East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid - Ogdensburg: Data Packages Pace Analytical Job No. 30446758

Review has been completed for the data packages generated by Pace Analytical that pertain to monitoring well samples collected during the October 2021 sampling event at the National Grid Ogdensburg site. Collected samples included twelve aqueous samples, a trip blank and a field duplicate from the main site. The samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX), cyanide and polycyclic aromatic hydrocarbons (PAHs). The trip blank was analyzed for volatiles with the samples. The trip blank is used to determine if there is BTEX contamination caused by transporting the samples.

Analytical methodologies are those of the USEPA with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- 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
- Sample Quantitation and Identification

All of the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable.

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

Table 1 - Data Qualifications

Sample ID	Qualifier	Analyte	Reason for qualification
MW-8R-1021	J-	Cyanide	Low MS/MSD recoveries

J-/UJ-: estimated detect/estimated non-detect with a possible low bias

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater and instrumental tune fragmentations are within acceptance ranges. Surrogate and internal standard recoveries are within required limits, with the exception of 1,2-dichloroethane-d4 which had low recoveries in the calibration and in the samples. This is a surrogate compound, and the low recovery in the calibration indicates that there was an instrumental issue with the compound, rather than an extraction inefficiency. The low recoveries therefore do not indicate a failure of the method to accurately determine concentrations of COCs, and the data is not qualified. Calibrations standards show acceptable responses within analytical protocol and validation action limits with the exception of the above surrogate calibration response.

An MS/MSD was analyzed using **MW-8R-1021** as the matrix. All QC elements fell within project criteria. The blind field duplicate correlations of **MW-10R-1021** were within the project specification of ≤25%.

Table 2: VOCs Precision Calculations

Compound	MW-10R	FD	RPD
Benzene	1790	1730	3.4
Ethylbenzene	138	143	3.6
Toluene	197	200	1.5
Xylene (Total)	161	164	1.8
m&p-Xylenes	103	104	1.0
o-Xylene	58	60.2	3.7

 $\mu g/L$ -microgram per liter RPD - relative percent difference

Cvanide by EPA 9012A/NYDESC ASP

Holding times were met. 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 and precision indicate the method is within laboratory control. An MS/MSDs were analyzed using **MW-8R-1021** where the recoveries were below criteria (77%, 76%). The cyanide data for this sample is qualified as estimated with a possible low bias. The blind field duplicate correlations of **MW-10R-1021** were within project criteria. No data was qualified.

Table 3: Cyanide Precision Calculations

Compound	MW-10R	FD	RPD
Cyanide	0.061	0.066	7.9
μg/L-microgram per liter	RPD - relative percent difference		

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Instrumental tune fragmentations are within acceptance ranges. Blanks no above RL concentrations.

Surrogates were within specification for all samples. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines. Samples with high concentrations were run at dilution to allow accurate quantification. Some detection limits are elevated.

The laboratory control spike recoveries and precision indicate the method is within laboratory control. Matrix spike and matrix spike recoveries were within laboratory specified criteria, with the exception of the recovery for naphthalene. As the original concentration >>4x the spiking concentration, the recovery does not accurately reflect the method efficacy, and no qualifications are required. The blind field duplicate correlations of **MW-10R** were within project specification of RPD $\leq 25\%$.

Table 4: PAH Precision Calculations

Compound	MW-10R	FD	RPD
Acenaphthene	29.8	33	10.2
Acenaphthylene	34.1	38.8	12.9
Fluorene	13.2	14.3	8.0
2-Methylnaphthalene	7.4	8.4	12.7
Naphthalene	653	738	12.2
Phenanthrene	2.3	2.5	8.3

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,

Bonnie Janowiak, Ph.D.

Senior Chemist, NRCC Certified

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SAMPLE SUMMARY

Project: National Grid - Ogdensburg Kin

Pace Project No.: 30446758

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30446758001	MW-2(R)-1021	Water	10/20/21 12:00	10/22/21 09:30
30446758002	MW-5R(R)-1021	Water	10/20/21 11:30	10/22/21 09:30
30446758003	MW-8R-1021	Water	10/20/21 10:30	10/22/21 09:30
30446758004	MW-8R-MS-1021	Water	10/20/21 10:30	10/22/21 09:30
30446758005	MW-8R-MSD-1021	Water	10/20/21 10:30	10/22/21 09:30
30446758006	MW-9-1021	Water	10/20/21 09:40	10/22/21 09:30
30446758007	MW-10R-1021	Water	10/20/21 09:25	10/22/21 09:30
30446758008	MW-11-1021	Water	10/20/21 10:45	10/22/21 09:30
30446758009	MW-12R-1021	Water	10/20/21 10:00	10/22/21 09:30
30446758010	MW-14R-1021	Water	10/20/21 11:55	10/22/21 09:30
30446758011	MW-15-1021	Water	10/20/21 10:20	10/22/21 09:30
30446758012	MW-15RS-1021	Water	10/20/21 09:50	10/22/21 09:30
30446758013	MW-17R-1021	Water	10/20/21 11:20	10/22/21 09:30
30446758014	MW-19R-1021	Water	10/20/21 11:25	10/22/21 09:30
30446758015	MW-20R-1021	Water	10/20/21 12:10	10/22/21 09:30
30446758016	FD-1021	Water	10/20/21 00:00	10/22/21 09:30
30446758017	Trip Blanks	Water	10/20/21 12:00	10/22/21 09:30

REPORT OF LABORATORY ANALYSIS



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30446758

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

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

Date: November 05, 2021

General Information:

16 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.

ED: Due to the extract's physical characteristics, the analysis was performed at dilution.

- FD-1021 (Lab ID: 30446758016)
- MW-10R-1021 (Lab ID: 30446758007)
- MW-12R-1021 (Lab ID: 30446758009)
- MW-2(R)-1021 (Lab ID: 30446758001)
- MW-5R(R)-1021 (Lab ID: 30446758002)
- MW-9-1021 (Lab ID: 30446758006)

Hold Time:

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

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.

QC Batch: 469580

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MW-9-1021 (Lab ID: 30446758006)
 - Terphenyl-d14 (S)

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.

REPORT OF LABORATORY ANALYSIS



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30446758

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

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

Date: November 05, 2021

QC Batch: 469580

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30446758003

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

• MS (Lab ID: 2267435)

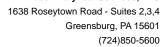
• Naphthalene

• MSD (Lab ID: 2267436)

• Naphthalene

Additional Comments:

REPORT OF LABORATORY ANALYSIS





Project: National Grid - Ogdensburg Kin

Pace Project No.: 30446758

Method: EPA 8260C Description: 8260C MSV

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

Date: November 05, 2021

General Information:

17 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:

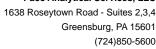
All criteria were within method requirements with any exceptions noted below.

QC Batch: 470688

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 2272248)
 - 1,2-Dichloroethane-d4 (S)
- FD-1021 (Lab ID: 30446758016)
 - 1,2-Dichloroethane-d4 (S)
- LCS (Lab ID: 2272249)
 - 1,2-Dichloroethane-d4 (S)
- MS (Lab ID: 2272250)
 - 1,2-Dichloroethane-d4 (S)
- MSD (Lab ID: 2272251)
 - 1,2-Dichloroethane-d4 (S)
- MW-10R-1021 (Lab ID: 30446758007)
 - 1,2-Dichloroethane-d4 (S)
- MW-11-1021 (Lab ID: 30446758008)
 - 1,2-Dichloroethane-d4 (S)
- MW-12R-1021 (Lab ID: 30446758009)
 - 1,2-Dichloroethane-d4 (S)
- MW-14R-1021 (Lab ID: 30446758010)
 - 1,2-Dichloroethane-d4 (S)
- MW-15-1021 (Lab ID: 30446758011)
 - 1,2-Dichloroethane-d4 (S)
- MW-15RS-1021 (Lab ID: 30446758012)
 - 1,2-Dichloroethane-d4 (S)
- MW-17R-1021 (Lab ID: 30446758013)
 - 1,2-Dichloroethane-d4 (S)
- MW-19R-1021 (Lab ID: 30446758014)
 1,2-Dichloroethane-d4 (S)
- MW-2(R)-1021 (Lab ID: 30446758001)
- 1,2-Dichloroethane-d4 (S)MW-20R-1021 (Lab ID: 30446758015)
 - 1,2-Dichloroethane-d4 (S)

REPORT OF LABORATORY ANALYSIS





Project: National Grid - Ogdensburg Kin

Pace Project No.: 30446758

Method: EPA 8260C Description: 8260C MSV

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

Date: November 05, 2021

QC Batch: 470688

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- MW-5R(R)-1021 (Lab ID: 30446758002)
 - 1,2-Dichloroethane-d4 (S)
- MW-8R-1021 (Lab ID: 30446758003)
 - 1,2-Dichloroethane-d4 (S)
- MW-8R-MS-1021 (Lab ID: 30446758004)
 - 1,2-Dichloroethane-d4 (S)
- MW-8R-MSD-1021 (Lab ID: 30446758005)
 - 1,2-Dichloroethane-d4 (S)
- MW-9-1021 (Lab ID: 30446758006)
 - 1,2-Dichloroethane-d4 (S)
- Trip Blanks (Lab ID: 30446758017)
 - 1,2-Dichloroethane-d4 (S)

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.

QC Batch: 470688

SR: Surrogate recovery was below laboratory control limits. Results may be biased low.

- BLANK (Lab ID: 2272248)
 - 1,2-Dichloroethane-d4 (S)
- FD-1021 (Lab ID: 30446758016)
 - 1,2-Dichloroethane-d4 (S)
- LCS (Lab ID: 2272249)
 - 1,2-Dichloroethane-d4 (S)
- MS (Lab ID: 2272250)
 - 1,2-Dichloroethane-d4 (S)
- MSD (Lab ID: 2272251)
 - 1,2-Dichloroethane-d4 (S)
- MW-10R-1021 (Lab ID: 30446758007)
 - 1,2-Dichloroethane-d4 (S)
- MW-11-1021 (Lab ID: 30446758008)
 - 1,2-Dichloroethane-d4 (S)
- MW-12R-1021 (Lab ID: 30446758009)
 - 1,2-Dichloroethane-d4 (S)
- MW-14R-1021 (Lab ID: 30446758010)
 - 1,2-Dichloroethane-d4 (S)
- MW-15-1021 (Lab ID: 30446758011)
 - 1,2-Dichloroethane-d4 (S)
- MW-15RS-1021 (Lab ID: 30446758012)
 - 1,2-Dichloroethane-d4 (S)
- MW-17R-1021 (Lab ID: 30446758013)

REPORT OF LABORATORY ANALYSIS



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30446758

Method: EPA 8260C Description: 8260C MSV

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

Date: November 05, 2021

QC Batch: 470688

SR: Surrogate recovery was below laboratory control limits. Results may be biased low.

- 1,2-Dichloroethane-d4 (S)
- MW-19R-1021 (Lab ID: 30446758014)
 - 1,2-Dichloroethane-d4 (S)
- MW-2(R)-1021 (Lab ID: 30446758001)
 - 1,2-Dichloroethane-d4 (S)
- MW-5R(R)-1021 (Lab ID: 30446758002)
 - 1,2-Dichloroethane-d4 (S)
- MW-8R-1021 (Lab ID: 30446758003)
 - 1,2-Dichloroethane-d4 (S)
- MW-8R-MS-1021 (Lab ID: 30446758004)
 - 1,2-Dichloroethane-d4 (S)
- MW-8R-MSD-1021 (Lab ID: 30446758005)
 - 1,2-Dichloroethane-d4 (S)
- MW-9-1021 (Lab ID: 30446758006)
 - 1,2-Dichloroethane-d4 (S)
- Trip Blanks (Lab ID: 30446758017)
 - 1,2-Dichloroethane-d4 (S)

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: 470688

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30446758003

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

- MSD (Lab ID: 2272251)
 - Ethylbenzene
 - Toluene
 - m&p-Xylene
 - o-Xylene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2272251)
 - Toluene
 - m&p-Xylene
 - o-Xylene

Additional Comments:

REPORT OF LABORATORY ANALYSIS



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30446758

Method: EPA 9012B

Description: 9012B Cyanide, Total

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

Date: November 05, 2021

General Information:

16 samples were analyzed for EPA 9012B 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.

Sample Preparation:

The samples were prepared in accordance with EPA 9012B 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: 470157

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30445664004

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

- MS (Lab ID: 2269582)
 - Cvanide
- MSD (Lab ID: 2269583)
 - Cyanide

QC Batch: 470401

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30446758003,30447620003

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

- MS (Lab ID: 2271020)
 - Cyanide
- MS (Lab ID: 2271022)
 - Cyanide
- MSD (Lab ID: 2271021)
 - Cyanide

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS