

January 20, 2022

Mr. Gerald Pratt Project Manager New York State Department of Environmental Conservation 625 Broadway Albany, New York 12233

Re: 1st Groundwater Monitoring Program Sampling Report NYSEG Jackson Street Former MGP Site Penn Yan, Yates County, New York NYSDEC Site Code 862008

Dear Mr. Pratt:

The purpose of this report is to present the results of the first (1st) Groundwater Monitoring Program (GWMP) sampling event completed at the New York State Electric & Gas Corporation (NYSEG) Jackson Street Former Manufactured Gas Plant (MGP) site [New York State Department of Environmental Conservation (NYSDEC) Site No. 862008], located at Linden Street and Court Street in Penn Yan, Yates County, New York (referred to herein as the "Site"), as depicted on **Figure 1**. This groundwater sampling was completed by NEU-VELLE, LLC (NEU-VELLE) personnel in accordance with the Site Management Plan (SMP) for the Site, prepared by AMEC Geomatrix, Inc. and dated December 2011.

SCOPE OF WORK

Synoptic Water Levels

As summarized in **Table 1**, a Site-wide round of synoptic groundwater levels were collected from seven (7) monitoring wells at the Site (MW-1, MW-2S, MW-2D, MW-3A, MW-4S, MW-4D, and MW-6) on December 1, 2021. Note, MW-5 was not accessible due to previously sustained damage to the well cover. The monitoring well locations are depicted on **Figure 2**. Each well was gauged for the presence of Non-aqueous Phase Liquid (NAPL) using an oil/water interface probe. NAPL was not detected in any of the wells. The well gauging observations and field measurements are provided in **Table 1**, and a groundwater elevation contour map is provided as **Figure 2**.

Groundwater Sampling

From December 2 through 6, 2021, the GWMP samples were collected from the seven (7) accessible groundwater monitoring wells at the Site (MW-1, MW-2S, MW-2D, MW-3A, MW-4S, MW-4D, and MW-6). A stainless-steel bladder pump equipped with a new polyethylene bladder and new polyethylene tubing was used at each sampling location. This sample event followed well development of the seven (7) Site monitoring wells that occurred on November 8 and 9, 2021. A Well Development and Inspection Report was prepared under separate cover and is included as **Attachment 1**. The recommendations contained within this report (i.e., MW5 curb box repair and

replacement of select "J" plugs) have not yet been implemented. These repairs are currently scheduled for completion in the spring of 2022.

Groundwater samples were collected using the low-stress (low-flow) purging techniques outlined in the United States Environmental Protection Agency (USEPA) Ground-Water Sampling Guidelines for Superfund and Resource Conservation and Recovery Act (RCRA) Project Managers dated May 2002.

Prior to initiating purging, field personnel donned new nitrile gloves, and care was taken to avoid introducing contaminants into the groundwater monitoring wells. During purging, time, water-level measurements, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), pH, turbidity, and specific conductance (purge parameters) were measured and recorded using calibrated field monitoring equipment.

The well information, sample information, monitoring parameters, and field observations were recorded on a groundwater sample log completed at each well. The groundwater sample logs are provided as **Attachment 2**.

New nitrile gloves were donned by field personnel prior to the collection of each groundwater sample. The laboratory samples were collected in appropriate laboratory-supplied sample containers. Samples were placed in a plastic cooler pre-chilled with ice and submitted under chain of custody protocols. The samples were delivered to Paradigm Environmental Services, Inc. (Paradigm) located in Rochester, New York. The groundwater samples were analyzed as follows:

- volatile organic compounds (VOCs), BTEX (benzene, toluene, ethylbenzene, and xylene) only, were analyzed in accordance with USEPA Method 8260;
- semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs) only, were analyzed in accordance with USEPA Method 8270; and
- total cyanide was analyzed in accordance with USEPA Method 9012.

Quality Assurance/Quality Control (QA/QC) samples including a field blank, equipment blanks, blind duplicates (collected at MW-6), a trip blank, and matrix spike/matrix spike duplicate samples (MS/MSD) were collected.

Reporting of Results

Copies of the laboratory analytical reports are presented in **Exhibit A**, and the analytical results, including those for the blind duplicate QA/QC samples, are summarized in **Table 2** of this report.

Waste Disposal

Purged groundwater and decontamination water were containerized into two (2) 55-gallon polyethylene drums and staged at the Site. This wastewater will be properly disposed at a future date.

RESULTS

Analytical Results

The groundwater sample analytical results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Class A, standards, criteria, and guidance values (SCGs). The analytical results for groundwater samples are summarized in **Table 2** and **Figure 3**, as follows:

- BTEX compounds were detected above their respective TOGS 1.1.1 Class GA SCG values in three (3) of the groundwater samples collected (MW1, MW3A, and MW4S). Benzene was detected above its TOGS 1.1.1 Class GA SCG (1 μ g/L) in MW1, MW3A, and MW4s at concentrations of 13 micrograms per liter (μ g/L) or parts per billion (ppb), 81 μ g/L, and 1,600 μ g/L, respectively. Toluene, ethylbenzene, and xylenes (total) were each detected in MW3A and 4S, at concentrations above their respective TOGS 1.1.1 Class GA SCG level (5 μ g/L), with the exception of toluene in MW3A (estimated at 0.73 J μ g/L).
- PAHs were detected above laboratory reporting limits in two (2) of the groundwater samples collected (MW3A and MW4S) and detected (and given estimated concentrations) below reporting limits in five (5) of the groundwater samples collected (MW1, MW2S, MW3A, MW4D, and MW4S). One (1) PAH (naphthalene) was detected at a concentration (2,600 µg/L) above its TOGS 1.1.1 Class GA SCG (10 µg/L) in MW4S. The other PAHs detected in samples were below their respective TOGS 1.1.1 Class GA SCG values.
- Concentrations of total cyanide were detected above laboratory reporting limits in three (3) of the groundwater samples collected (MW1, MW3A, and MW4S) and detected (and given estimated concentrations) below reporting limits in one (1) of the groundwater samples collected (MW2D). The reported concentrations of total cyanide above reporting limits were 0.015 milligrams per liter (mg/L) or parts per million (ppm), 0.025 mg/L, and 0.083 mg/L, respectively, which are all below the TOGS 1.1.1, Class GA SCG for total cyanide (0.2 mg/L).

The analytical results for the QA/QC samples are summarized as follows:

- No detections of BTEX or total cyanide were reported in the "equipment blank" sample. Naphthalene was detected at a concentration below the reporting limit and given an estimated value of 0.94 J μ g/L.
- No BTEX compounds were detected in the Trip Blank sample.
- No detections of BTEX, PAHs, or total cyanide were reported in the blind duplicate sample collected at MW6.

Groundwater Mapping

A groundwater contour map (see **Figure 2**) was prepared based on the water level data collected at the Site on December 1, 2021. This groundwater contour map depicts the groundwater beneath the Site flowing to the east, toward Jacobs Brook. The groundwater flow direction appears to generally follow the topography of the Site, which is consistent with prior findings of groundwater flow direction at the Site.

CONCLUSIONS

This report presents the results of the first (1st) GWMP sampling event completed at the NYSEG Jackson Street Former MGP site, Penn Yan, NY (NYSDEC Site No. 862008).

BTEX compounds were detected above their respective TOGS 1.1.1 Class GA SCG values in three (3) of the groundwater samples collected (MW1, MW3A, and MW4S). One (1) PAH (naphthalene) was detected at a concentration (2,600 μ g/L) above its TOGS 1.1.1 Class GA SCG (10 μ g/L) in MW4S. Concentrations of total cyanide were detected above laboratory reporting limits in three (3) of the groundwater samples collected (MW1, MW3A, and MW4S) and detected (and given estimated concentrations) below reporting limits in one (1) of the groundwater samples collected (MW2D), all of which were below the TOGS 1.1.1, Class GA SCG for total cyanide (0.2 mg/L).

The groundwater contour map for December 1, 2021 depicts the groundwater beneath the Site flowing predominantly to the east, toward Jacobs Creek, generally following the Site's topography.

The periodic (every 15 months) GWMP sampling will continue as described in the SMP (the next groundwater sampling event is scheduled for March 2023) and will continue to assess the groundwater quality beneath the Site.

Please feel free to contact me at any time at (585) 478-3167 with any questions you may have regarding this letter report.

Sincerely,

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Logan Reid NEU-VELLE, LLC

Attachments:

Table 1 – Monitoring Well Reference Data and Groundwater Measurements
Table 2 – Groundwater Sample Analytical Results
Figure 1 – Site Location
Figure 2 – December 2021 Groundwater Elevation Contours
Figure 3 – December 2021 Analytical Detections in Groundwater

Attachment 1 – Monitoring Well Development and Inspection Report November 2021 Attachment 2 – Groundwater Sample Logs Exhibit A – Laboratory Reports



Tables

Table 1Monitoring Well Reference Data and Groundwater Measurements

Well ID	TOC Elevation (ft)	Depth to Water (ft bgs)	Groundwater Elevation (ft)
		12/1	1/2021
MW-1	754.49	9.43	745.06
MW-2D	754.22	10.60	743.62
MW-2S	753.76	9.52	744.24
MW-3A	752.48	11.15	741.33
MW-4D	754.33	11.78	742.55
MW-4S	753.02	12.14	740.88
MW-5*	749.99	NM	NA
MW-6	751.85	10.30	741.55

Notes:

- 1. Top of Casing (TOC) elevations surveyed by NYSEG personnel, September 2007. Vertical datum unknown.
- 2. Depths to water measured by NEU-VELLE on dates indicated.
- 3. bgs = below ground surface
- 4. * MW-5 well cover was damaged and was inaccessible
- 5. NM = not measured
- 6. NA = not applicable



Table 2Groundwater Sample Analytical Results

		Location ple Date tification	12/3	W1 /2021 1-120321		MW2 12/2/2 //W2D-		12/2	N2S /2021 S-120221	12/6	N3A /2021 A-120621	12/4	N4D /2021 ID-120421	12/4	W4S 1/2021 4S-120421		IW6 12/3/ 6-120321	2021	UPLICATE) P-120321
Analyte	TOGS 1.1.1 Groundwater SCG	Units	Result	Reporting Limit	Resi	ult	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit
BTEX														-					
Benzene	1	μg/L	13	1.0	ND		1.0	ND	1.0	81	1.0	ND	1.0	1,600	40	ND	1.0	ND	1.0
Ethylbenzene	5	μg/L	ND	1.0	ND		1.0	ND	1.0	22	1.0	ND	1.0	480	40	ND	1.0	ND	1.0
Toluene	5	μg/L	ND	1.0	ND		1.0	ND	1.0	0.73 J	1.0	ND	1.0	91	40	ND	1.0	ND	1.0
Xylenes, Total	5	μg/L	ND	2.0	ND	F1	2.0	ND	2.0	14	2.0	ND	2.0	800	80	ND	2.0	ND	2.0
PAHs					-			<u>.</u>				·							
Acenaphthene	20	μg/L	ND	0.54	ND		0.49	ND	0.53	ND	0.53	ND	0.53	13	2.5	ND	0.48	ND	0.49
Acenaphthylene	NS	μg/L	ND	0.32	ND		0.29	ND	0.32	0.16 J	0.32	ND	0.32	64	1.5	ND	0.29	ND	0.29
Anthracene	50	μg/L	ND	0.54	ND		0.49	ND	0.53	ND	0.53	ND	0.53	6.3	2.5	ND	0.48	ND	0.49
Chrysene	0.002	μg/L	ND	0.54	ND	F1 F2	0.49	ND	0.53	ND	0.53	ND	0.53	ND	2.5	ND	0.48	ND	0.49
Fluoranthene	50	μg/L	ND	0.54	ND		0.49	0.11 J	0.53	ND	0.53	ND	0.53	2.5	2.5	ND	0.48	ND	0.49
Fluorene	50	μg/L	ND	0.54	ND		0.49	ND	0.53	ND	0.53	ND	0.53	17	2.5	ND	0.48	ND	0.49
Naphthalene	10	μg/L	0.35 J	1.1	ND		0.97	ND	1.1	2.9	1.1	0.67 J	1.1	2,600	400	ND	0.95	ND	0.97
Phenanthrene	50	μg/L	ND	0.22	ND		0.19	ND	0.21	ND	0.21	ND	0.21	23	1.0	ND	0.19	ND	0.19
Pyrene	50	μg/L	ND	0.54	ND		0.49	ND	0.53	ND	0.53	ND	0.53	2.2 J	2.5	ND	0.48	ND	0.49
Cyanide											·		·						
Cyanide, Total	0.2	mg/L	0.015	0.010	0.0074	J	0.010	ND	0.010	0.025	0.010	ND	0.010	0.083	0.010	ND	0.010	ND	0.010

Notes:

1. μ g/L = micrograms per liter

2. mg/L = milligrams per liter

3. "NS" = no standard and "ND" = non-detect

4. Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Groundwater Effluent Limitations, June 1998.

5. **Bold Sample result** = compound was detected.

6. Gray shading indicates the sample result is above the TOGS 1.1.1 Standards, Criteria and Guidance Value.

7. "J" is a laboratory data qualifier indicating "Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value"

8. "F1" is a laboratory data qualifier indicating "MS and/or MSD recovery exceeds control limits"

9. "F2" is a laboratory data qualifier indicating "MS/MSD RPD exceeds control limits"

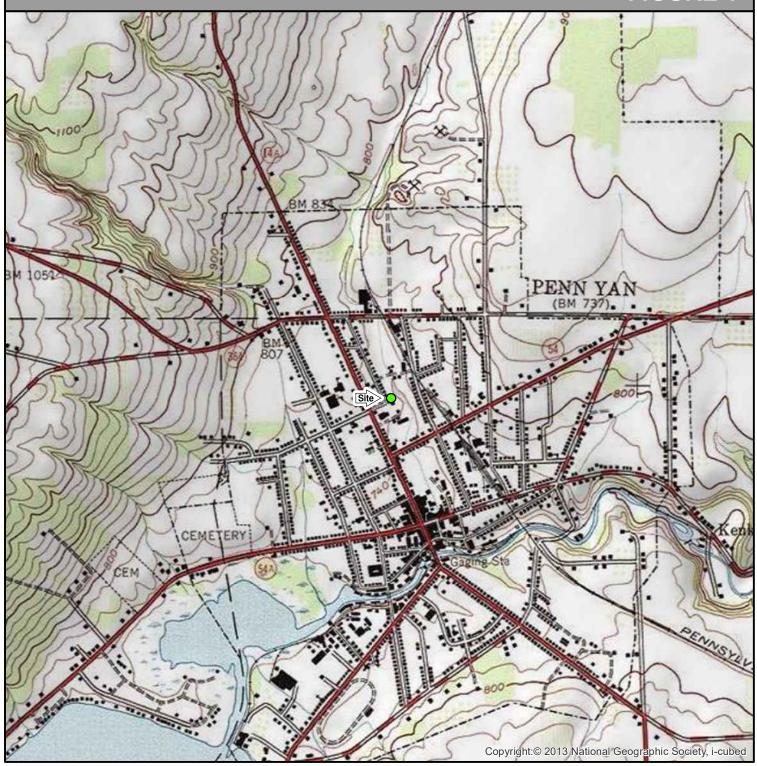


New York State Electric Gas Corporation Former MGP Site, Penn Yan, NY NYSDEC Site No. 862008 Groundwater Sampling Report December 2021

Figures



FIGURE 1





SENECA COUNTY

NEW YORK STATE ELECTRIC & GAS CORPORATION JACKSON STREET FORMER MGP SITE PENN YAN, NEW YORK

SITE LOCATION

2,000

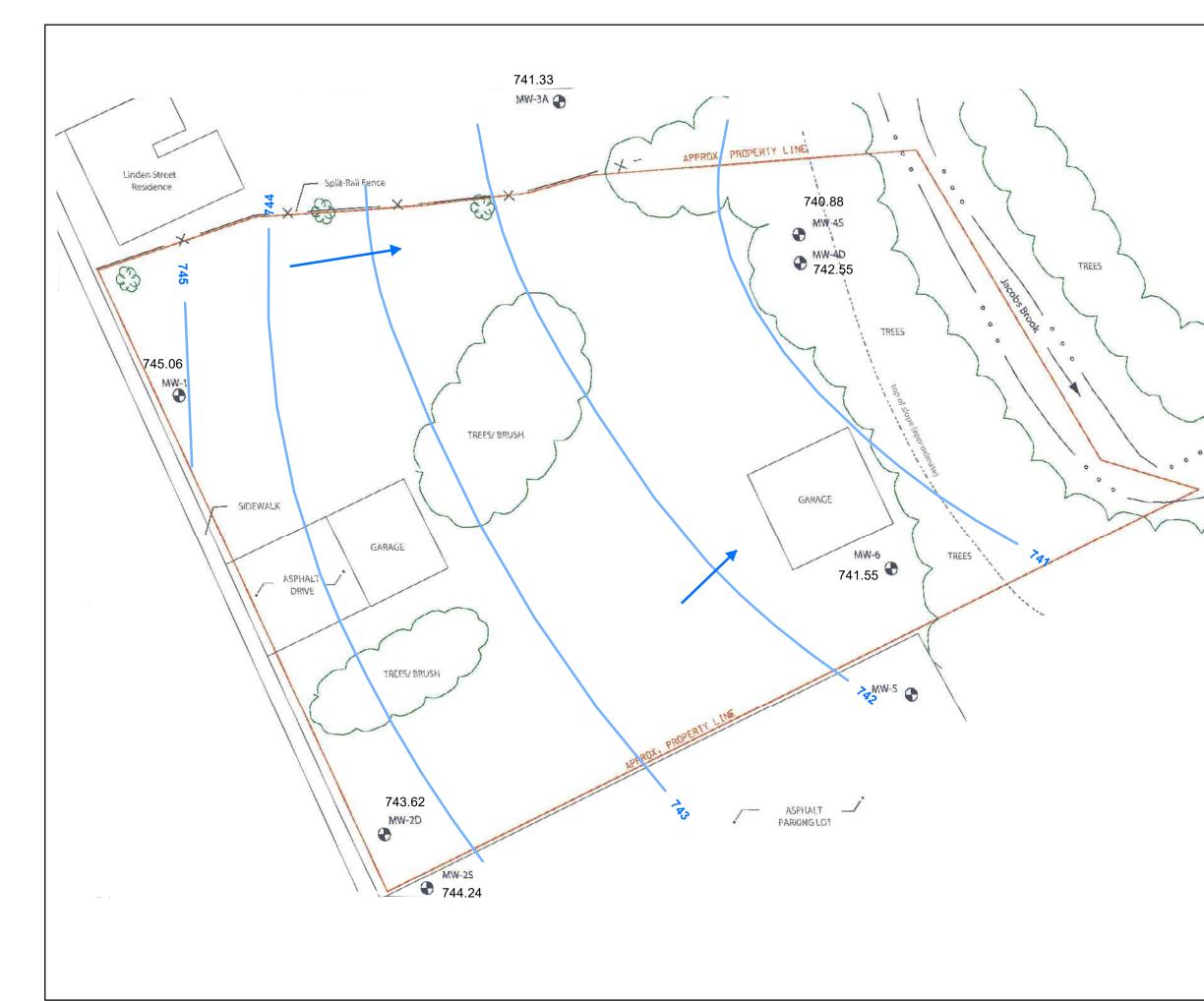


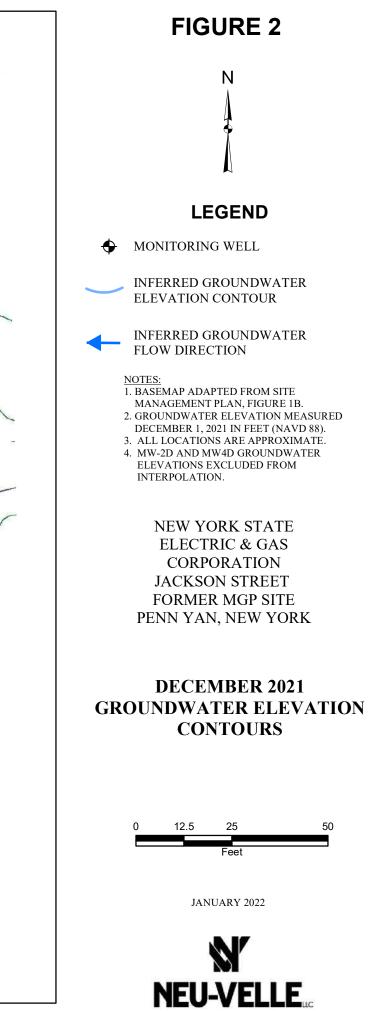
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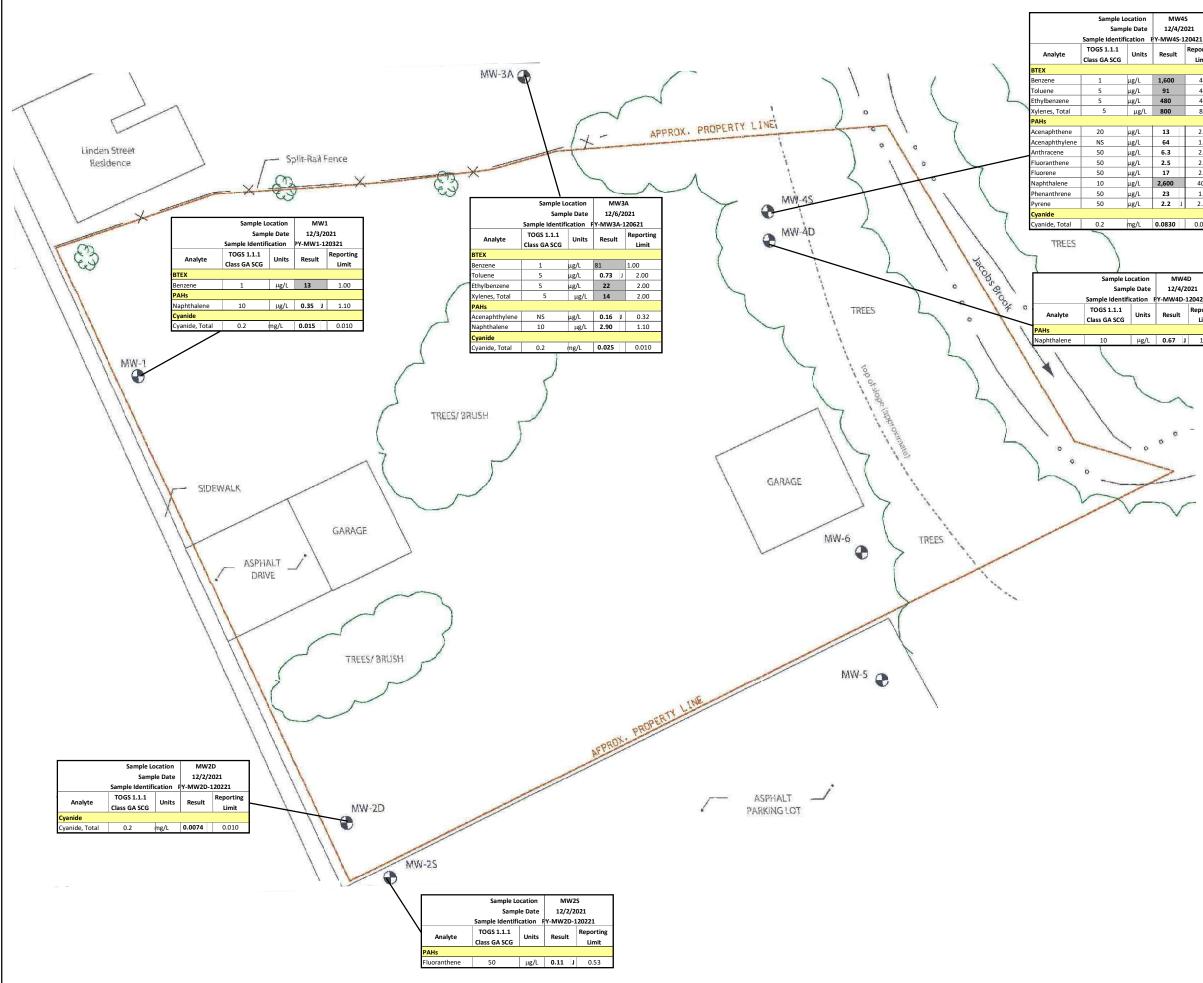
2,000 1,000 0

JANUARY 2022

Feet







on	MW4	IS
ate	12/4/2	2021
on I	Y-MW4S-	120421
		Reporting
nits	Result	Limit
L	1,600	40
L	91	40
L	480	40
g/L	800	80
L	13	2.5
L	64	1.5
L	6.3	2.5
L	2.5	2.5
L	17	2.5
L	2,600	400
L	23	1.0
L	2.2 J	2.5
L	0.0830	0.010
tion	MW	4D

tion	MW4	D
Date	12/4/2	021
ion F	Y-MW4D-1	20421
nits	Result	Reporting
nits	Result	Limit
ιø∕I	0.67 J	1.10

FIGURE 3



LEGEND

 \bullet MONITORING WELL

NOTES:

- 1. BASEMAP ADAPTED FROM SITE
- MANAGEMENT PLAN, FIGURE 1B.
- 2. ONLY ANALYTICAL DETECTIONS ARE DEPICTED.
- 3. ALL LOCATIONS ARE APPROXIMATE.

NEW YORK STATE **ELECTRIC & GAS** CORPORATION JACKSON STREET FORMER MGP SITE PENN YAN, NEW YORK

DECEMBER 2021 ANALYTICAL DETECTIONS IN GROUNDWATER



JANUARY 2022



Attachment 1

Monitoring Well Inspection and Redevelopment Report

November 2021





November 17, 2021

Mr. Tracy L. Blazicek, CHMM, PMP Senior Project Manager -Environmental Remediation Avangrid Service Company Environmental Health & Safety Group PO Box 5224 Binghamton, New York 13902-5224

Re: Letter Report - Monitoring Well Inspection and Redevelopment NYSEG Jackson Street Former MGP Site Linden Street & Court Street Penn Yan, Yates County, New York NYSDEC Site #862008

Dear Mr. Blazieck:

The purpose of this report is to present the results of monitoring well inspection and redevelopment completed at the New York State Electric & Gas Corporation (NYSEG) Jackson Street Former Manufactured Gas Plant (MGP) site [New State Department of Environmental Conservation (NYSDEC) Site No. 862008], located at Linden Street and Court Street in Penn Yan, Yates County, New York (referred to herein as the "Site"). The monitoring well inspection and redevelopment was completed by NEU-VELLE, LLC (NEU-VELLE) personnel in accordance with the Site Management Plan (SMP) document dated December 2011.

Monitoring Well Inspection and Redevelopment/Findings

On November 8, the eight (8) existing Site monitoring wells were visually inspected for integrity and photographed, as presented in **Attachment 1 – Photographic Log**. Seven (7) of the eight (8) monitoring wells were accessible; MW-5 was not accessible due to apparent damage to the concrete curb box, as further described below. The findings and recommendations of the Site monitoring well inspection are as follows:

- MW-1 and 3A inner well caps are damaged but functional; replacement not needed at this time;
- MW-4D and MW-2S had missing "j-plugs"; replacement of "j-plugs" recommended; and
- MW-5 concrete curb box shifted, causing the well casing to shift relative to the curb box wall and consequently the steel well cap could not be removed from the casing; curb box replacement and well casing repair recommended.

Following the inspections, the seven (7) monitoring wells (MW-1, MW-2S, MW-2D, MW-3A, MW-4S, MW-4D, and MW-6) were redeveloped by surging/bailing until dry or until a maximum of ten (10) well volumes were removed from the monitoring well. The extracted groundwater was containerized on-Site in two (2) polyethylene drums and labeled for future off-Site disposal. Monitoring Well Development Logs are provided as **Attachment 2**.

Please feel free to contact me at any time at (585) 478-3167 with any questions you may have regarding this letter report.

Sincerely, NEU-VELLE LLC

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Logan Reid Senior Project Manager

Attachments:

Attachment 1 – Photographic Log Attachment 2 – Monitoring Well Development Logs

Attachment 1

Photographic Log





MW-1 – Inner well cap is damaged but functional.



MW-2S –Well plug is missing.



MW-2D – Well head in good condition.



MW-3A – Inner well cap is damaged but functional.



MW-4S – Well head in good condition.



MW-4D – Well plug is missing.



MW-5 – Well head cap cannot be removed.



MW-6 – Well head in good condition.

Attachment 2

Monitoring Well Development Logs



NEU-VE	LLE, LLC,	1	Moi		g Well De	velopm	ent Log	Well ID:	MWI
Date	11/8	121	Perso	onnel K	Millell	t. Kotht	Weather	Sonny 1	60°F
Site Name	NYSEG - Penn Y	an Jackson St			thod Dedicate	d Poly Bailer	Project #	2021191	
Site Location	Penn Yan, NY		Samp	oling Meth	od <u>NA</u>		5	- Contra	
.I informa		+ -			Well Vol	ume Multipl	iers:	* Measurements	
Installe	d Depth of Well*:	= 2	-	ft. bmp.	1 in. = 0	0.041 gal/ft		X Top of V	Vell Casing
Measure	d Depth of Well*: -	16	2.98	ft. bmp.	2 in. = 0	0.163 gal/ft		Top of F	Protective Casing
	Depth to Water*:	8.	78	ft. bmp.	4 in. = 0).653 gal/ft		(Other, s	Specify)
gth of Wate	r Column (LWC):		8.2	ft.	6 in. = 1	.469 gal/ft			1.1.1.1.1
	Well Diameter:		2	in.	Well Volume:	1.34	gal.		
tart Purge T	Time: 12	130	Initial: Color	cleo	J Odor	Non	/ ESheen/Free	Product	10
10000	Volume	Depth	1. 1. 1. 1.			27.5	Approximate	Dissolved	Appearance of
Elapsed	Purged	To	Temperature ^o C / ^o F	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Flow Rate (gal/min)	Oxygen (mg/L)	Water
Time	(gal.)	Water (ft)	<u> </u>	5.0	morem	7,27	(guinni)	(Clean
	1.5		17.7	10.96	1,94	141			Cloudy
				Grid				-	gray
	\$3		15.7	7.21	598.4	1242A	tu	904	136 brou
				1 10	10/2 7	DVR	0		trown
	±5		15.5	7.39	596.2	DUN	ange		13.0007
	17		16.1	7.38	594.4	QVI	2/	670	which
	29		<u>(Wil</u>	1170	J C (N C		0		1
		In	han	13	not	12	ducil	ng as	-
		1	t			1	0	1	m
		We	Ner	now	e No	Ar	tion	r we	Win
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		That	any;	e	my				
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		10	with						
	C				-				1
	1		1	-			1		
			1	20	De la Codes	NOA	10 Sheen/Free	e Product	Va
End Purge	Fime:	5:15	- Final: Colo	or 1518	JUSA Odol	10010		12	5
			ft. bmp. F	inal Well I	Depth:	ft. bmp.	Total volum	ne purged: () ?	5 gal.
Fina	al Deptil to Water.						71 5		hough
NOTES	s:	12/1 he	ad in	u	sable	Cone	- 1	(2,1
	th	e is	nner	we	Mia	Y I	> un		
			7.	-	0.1		Dasc	ible ma	aterial
	At	mpte	V to	re	more	any	100	balle	sutc.
	at	6	0. Hom	0	NV I	M 1	1 17	foun	L'
	INF	th fi	sh ho	eKI	but	Ne	Thing		
Fina	al Depth to Water:		_ft. bmp. F	inal Well I	Depth: Sable U Ca Move W	ft. bmp.	Total volum	maged	Va 5 s hong nteri

Development Log

NEU-VEI	LE, LLC	.)	Mo	nitorin	g Well De	velopm	0 11	Well ID:	MW45
Date	1182	1	Perso	onnel	miller	Hler	Weather S	inny t	= 60"F
Site Name	NYSEG - Penn Y	'an Jackson St	Evac	uation Me	thod Dedicate	d Poly Bailer	Project #	2021191	
Site Location	Penn Yan, NY		Samp	oling Meth	od <u>NA</u>				
informa		Krin	2			ume Multipl	iers:	* Measurements	
	Depth of Well*:		Ŧ	ft. bmp.		0.041 gal/ft			Well Casing
	I Depth of Well*:	21.	+V	ft. bmp.		0.163 gal/ft			Protective Casing
	Depth to Water*:	12	-01	ft. bmp.).653 gal/ft		(Other,	Specify)
igth of Water	Column (LWC):		2.11	ft.		.469 gal/ft			
	Well Diameter: -		1.	in. - 1	Well Volume:	1.50	gal.		MIL
Start Purge T	ime:		Initial: Color	Clad	Odor	petro.	Sheen/Free	Product	sibushe
1.2.2.	Volume	Depth	2000.0000			Turkiditu	Approximate	Dissolved Oxygen	Appearance
Elapsed	Purged	To Water (ft)	Temperature ^o C / ^o F	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Flow Rate (gal/min)	(mg/L)	Water
Time	(gal.)	Water (ft)	15.0	7.08		28.3	(3		clear
	0.7		1/10						1
	1.5		13.9	7.00	1115	37.7			1+ 42660
						90 -			90
	3±		13.2	7.12	-1131	39.2	-		
	14.6		17 1	6.99	1182	46.0			1
	-4.5		12.7	0:17	1122	10.0			
	±6		NM	NM	Nm	over	and		turbro
am	- 0		MIN	100			1		brown
-									
		1	0	-		1		1.0	11
		wel	l ha	2 1	peen	bal	20	ay	
				-					
- 41/									
				-					
		С		11					
							4		
				100		on f		Durdunt A/	A
End Purge T	ime: 14	:40	- Final: Cold	or <u>pive</u>	V Odoi	per	• O Sheen/Free	Product /V	
	I Depth to Water:			inal Well I	Depth:	ft. bmp.	Total volum	e purged:	gal.
NOTES			1			0	1	$\left(\right)$	
NOTES		5	hZK IV	P	usell	read	iha	3000	
		1	condi	tion	1.		6		
17		0	1	Λ	1.				
	-	Val Co	10	Od	0/	1+00	ac at	- th	es.
F		IV N A	Le n NI	THO	~	510/2			

NEU-VEL	LE, LLC		Moi	nitorin	g Well De	velopm	ent Log	Well ID:	MW4D
Date	11/8/2	21	Perso	nnel K.	MRoy	A.Koth	Weather	Sunny	160°F
Site Name	NYSEG - Penn Y	an Jackson St			hod Dedicate		Project #	2021191	
Site Location	Penn Yan, NY		Samp	ling Meth		pu	mp		
I informat		20	26			ume Multipl	iers:	* Measurements	
	Depth of Well*:		(17	ft. bmp.		0.041 gal/ft	·	(Well Casing
	Depth of Well*:	t	40	ft. bmp.).163 gal/ft)	1	Protective Casing
A 1982 A 1993 A	epth to Water*: -		3.29	ft. bmp.).653 gal/ft		(Other,	Specify)
ingth of Water	Column (LWC): -	5-1	-0. +1	ft.		.469 gal/ft			
	Well Diameter:		N	1	Well Volume:	1	gal.		
Start Purge Ti	me: <u>14</u>	:50	Initial: Color	17.9	ray Odor	NONE	Sheen/Free		10
1.5.5.	Volume	Depth	-		Conductivity	Turbidity	Approximate Flow Rate	Dissolved Oxygen	Appearance of
Elapsed Time	Purged (gal.)	To Water (ft)	Temperature ^o C / ^o F	pH s.u	mS/cm	(NTU)	(gal/min)	(mg/L)	, Water
Time	サン		12.7	9.50	1 220.9	0 60			It.gray
				0-0					1 de n
	±5		12:3	8.79	278,1	over	lange		dorrgia
	+8		12.6	8.72	232.7	- ove	Canel	-	gray
	10		100	Werc)	000	100.9		1
			11 0		, 1'A	iľ	1.1.0	-	
		W	a h	im	1) de	4	apte	17	-
			11		1 1 (1	-1		
(~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	en v	lin	mes,				
S									
							۱ <u>ــــــــــــــــــــــــــــــــــــ</u>		1
				-					
1		1							
						S		1	
						1			
						1			
				0		tight	7	P. Just	NO
End Purge T	me:(0.00	- Final: Cold	or 910	y oddi	petro	-	4	NO
Fina	Depth to Water:		_ft. bmp. F	inal Well I	Depth:	ft. bmp.	Total volum	ne purged:	gal.
				Λ		×		0	
NOTES		well	head	15	hite 1	UD)	in	9000	
		nuc.	nur lit	Na	11-11	4/		J	0
(D.S. A.	(ble	h	nis	1000	5 di	Scare	led
1-		pispo	m	101	001000	UV d			
		NI IL	T al.	u	on to	0 0	will	casih	5.
		No 5	s-pin	3	un p	11			

Development Log

NEU-VE	LLE, LLÇ	1	Mo	nitorin	g Well De	velopm	0	Well ID:	MW25
Date	11/8	121	Perso	onnel K	miller	A. Rot	Weather	Sunny	±60°F
Site Name	NYSEG - Penn	Yan Jackson S			thod Dedicate	d Poly Bailer	Project #	2021191	
Site Location	Penn Yan, NY		Sam	oling Meth	od <u>NA</u>				
.i informa	ation:		. /		Well Vol	ume Multipl	iers:	* Measurements	taken from
Installe	d Depth of Well*	:	15	ft. bmp.	1 in. = 0).041 gal/ft		Y Top of	Well Casing 🥖
Measure	d Depth of Well*	13	. 14	ft. bmp.	2 in. = 0).163 gal/ft		Top of	Protective Casing
	Depth to Water*	: 6	45	ft. bmp.	4 in. = 0).653 gal/ft		(Other,	Specify)
ngth of Wate	r Column (LWC)	4.6	9	ft.	6 in. = 1	.469 gal/ft			
	Well Diameter	Zin	_	in.	Well Volume:	0.76	gal.		
Start Purce	Гіте: 16 г	20	Initial: Color			Non	Sheen/Free	Product N	Pur
Start Fulge	Volume	Depth	-	Vrc.			Approximate	Dissolved	Appearance
Elapsed	Purged	То	Temperature	pН	Conductivity	Turbidity	Flow Rate	Oxygen	of
Time	(gal.)	Water (ft)	°C/°F	s.u	mS/cm	(NTU)	(gal/min)	(mg/L)	Water
	0.25	8.45	16.8	7.28	902.6	15.2			Clear
	1.0	-	16.4	7.36	955.9	tues			Brown
	2.25	-	16.2	7.35	969.3	Quer			Brown
	3.0	-	16.1	7.45	943.9	over			Brown
	3.75		15.1	1.00	192.1	urer			-7
	pry-								
		1							
(
	V								
						-			
				1					
			-						1
	-								
									-
	Time: 16.	1.5	Final: Cold	Bry	nn Odo	whe	Sheen/Free	e Product	ne
End Purge	Time:	47	-		. 0	14	Tatalycolum	no purged: 4.	S gal.
Fin	al Depth to Wate	er: pry	_ft. bmp. F	inal Well	Depth:	ft. bmp.	Total volum	ne purged: 4	
			1 . 1	C	d'us				
NOTES	s: NO J	- PLVG 1	6002	C 02	up to U				
		1							
-				E	Development	Log			

NEU-VE	LE, LLC		Mo	nitorin	g Well De	velopm	A	Well ID:	MW2D
Date	11/9/	21	Perso		Miller	Alon	Weather	Sunny	± 50'F
Site Name	NYSEG - Penn Y	an Jackson S			thod Dedicate	the state of the s		2021191	
Site Location	Penn Yan, NY		Samp	ling Meth	od NA L	Male	pump		
, informa	tion:				Well Vol	ume Multipl	iers:	* Measurements	taken from
	Depth of Well*:	n	1,5	ft. bmp.	1 in. = 0).041 gal/ft		Y Top of	Well Casing
Measured	- Depth of Well*:	2	8.51	ft. bmp.).163 gal/ft			Protective Casing
	- Depth to Water*:	11	22	ft. bmp.).653 gal/ft			Specify)
and the second second	- Column (LWC):		2710	ft.		.469 gal/ft			000000
ingth of watch	-		-1.10		Vell Volume:		- S- C		
	Well Diameter: -		V		Well Volume:	[147	gal.		
Start Purge T	ime: 113	30	Initial: Color		Odor		Sheen/Free		
	Volume	Depth	4		O and well at	Terebilette	Approximate		Appearance of
Elapsed	Purged	To Water (ft)	Temperature °C / °F	pH s.u	Conductivity	Turbidity (NTU)	Flow Rate (gal/min)	Oxygen (mg/L)	Water
Time	(gal.)	water (IL)	130	10.75	429.4	10061		(It. grac
	+ 5	±34	15.6	0.17	419.0	90			It. a Cal
	+ 8		14.2-	7.89	1179.9	1719	An		17. Eray
	7.0			1.01					111
						11	A 1	1	
			Well	Du	mp	dri	a ap	NC I	A
					1			$\left(\right)$	
			wel		olume	5 1	reme	Ser	
(-
					-				
				-					
								,	¥.
		•							
End Purge Ti	me: 12:	. 00	Final: Colo	900	YL Odor	NON	Sheen/Free	e Product	NO
	No Trans								Q
Final	Depth to Water:		ft. bmp. Fi	nal Well D	epth:	ft. bmp.	l otal volum	e purged:	gal.
NOTES:		Disc	ardes	1	ale	ih	well		
				0			0		
/		Wel	1 her	nd	In	SOR	×		
		C	endF	hor	1-	0			
1									
· · · · · · · · · · · · · · · · · · ·									

NEU-VEL	LE, LLC		Mo	nitorin	g Well De	velopm	ent Log	Well ID:	mule
Date	1191	21	Perso	onnel 1	Miller	Aleth	Weather St	nnny t	55°F
Site Name	NYSEG - Penn	Yan Jackson St	Evac	uation Met	thod Dedicate			2021191	
Site Location	Penn Yan, NY		Samp	oling Meth	od NA L	ihale	pump		
. informat	ion:		1		Well Vol	ume Multipl	iers:	* Measurements	taken from
Installed	Depth of Well*:	2	9.5	ft. bmp.	1 in. = 0	.041 gal/ft		Y Top of V	Nell Casing
Measured	Depth of Well*:	39	.27	ft. bmp.	2 in. = 0	.163 gal/ft)	Top of I	Protective Casing
	Depth to Water*:	10.	19	ft. bmp.	4 in. = 0	.653 gal/ft		(Other,	Specify)
ngth of Water	Column (LWC):	20	1.08	ft.	6 in. = 1	.469 gal/ft			
	Well Diameter:		711	in.	Well Volume:	4.74	gal.		
Start Purge Ti	me: 12'.	46	Initial: Color	-	U Odor	NONI	Sheen/Free	Product N	0
							Approximate	Dissolved	Appearance
Elapsed	Volume Purged	Depth To	Temperature	рН	Conductivity	Turbidity	Flow Rate	Oxygen	of
Time	(gal.)	Water (ft)	°C/°F	s.u	mS/cm	(NTU)	(gal/min)	(mg/L)	Water
	0.5		14.7	7.63	448,4	24.0			Clear
	tot 1		.0.1.	2 11	446.2	with	A 1 .		Hang
	14.5		15.0	7,77	490,0	1141	40		11. gray
1	to	1165	12.4	7.74	447.9	3580	Au		gray
-	10	4/3517	16.1	1.11	11000	////	An		1
						0		11	
			intal	l	Dun	Der	an	1	
			0000		1000	1	1	1	
7			afte	1	tr	w	ell v	elime	5
2									
			V			-			
						-			
							-		
									in the second
	17:	IC	Electro Onla	GO	C Odor	Non		Product	00
End Purge Tir	me:•	12	- Final: Colo	f					0
Final	Depth to Water:		ft. bmp. Fi	nal Well D	Depth:	ft. bmp.	Total volum	Product /	gal.
				0		0	0		
NOTES:		1 10	Of hoe	n V	10 00	alla	indi	Fibn.	
		WL	u net		IVI 70	x de c	- no-i		
6					/				
6									

NEU-VEI	LE, LLC		Moi	nitorin	g Well De	velopm	ent Log	Well ID:	MWS
Date		021	Perso		MALIN/A	Rothfi	Weather	ANS	sunny
Site Name	NYSEG - Penn	Yan Jackson St			thod Dedicated	d Poly Bailer		2021191	sunny tss
Site Location	Penn Yan, NY			ling Meth	od NA				
, informa	tion:	0	1		Well Vol	ume Multipl	iers:	* Measurements	taken from
Installed	d Depth of Well*:	1	7	ft. bmp.	1 in. = 0	0.041 gal/ft		Top of	Well Casing
Measured	d Depth of Well*:			ft. bmp.	2 in. = 0).163 gal/ft		Top of	Protective Casing
	Depth to Water*:			ft. bmp.	4 in. = 0).653 gal/ft		(Other,	Specify)
ngth of Water	Column (LWC):			ft.	6 in. = 1	.469 gal/ft			
	Well Diameter:			in.	Well Volume:		gal.		
Start Purge T	ïme:		Initial: Color		Odor	2410 - 2012 2	Sheen/Free	Product	
	Volume	Depth					Approximate	Dissolved	Appearance
Elapsed	Purged	То	Temperature	рН	Conductivity	Turbidity	Flow Rate	Oxygen	of
Time	(gal.)	Water (ft)	°C/°F	s.u	mS/cm	(NTU)	(gal/min)	(mg/L)	Water
								-	
						-		1	
			-						
									1000
			1			1			
			-						
									-
						1	<u> </u>		
End Purge T	ïme:		- Final: Colo	r	Odor		Sheen/Free	e Product	
Fina	I Depth to Water	:	_ft. bmp. Fi	nal Well	Depth:	_ ft. bmp.	Total volum	ne purged:	gal.
NOTES	:		load	Bo	ix int	actla	grad	l.	
		1	~	10	ALT	-	a ca a	all r	al
1			Co	mo	NOT	rem	ave i	NOUL C	ny
				tis	m +	of d	I wel	1 Casi	ng
			00	+		/	ditt)/	in C
			Kout	-Dox	appeo	NS	SULT	er foc	reyed
					0	nce	oper	red.	

Development Log

NEU-VE	LLE, LLC		Mo	<u>nitorir</u>	ng Well De	evelopm	ent Log	Well ID	: MW3A
Date	119	21	Pers	onnel K	Miller 146	kithfu!	Weather Si	unny t	55'F
Site Name	NYSEG - Penn	Yan Jackson S	<u>it</u> Evac	uation Me	thod Dedicate	ed Poly Baile	r Project #	2021191	
Site Location	Penn Yan, NY		- Sam	pling Meth	nod <u>NA</u>		-		
.i informa	ation:		11-		Well Vo	lume Multip	liers:	* Measurements	s taken from
Installed	d Depth of Well*:		70	ft. bmp.	1 in. = (0.041 gal/ft		Top of	Well Casing
Measured	d Depth of Well*:	3	7.9	ft. bmp.	2 in. = 1	0.163 gal/ft	5	Top of	Protective Casing
1	Depth to Water*:		1.37	ft. bmp.	4 in. = (0.653 gal/ft		(Other	Specify)
ngth of Water	r Column (LWC):	2	6.53	ft.	6 in. = '	1.469 gal/ft			
	Well Diameter:			in.	Well Volume:		gal.		
Start Purge T	"ime: 14	. 00	Initial: Color	de			E Sheen/Free	Product	NO
	Volume	Depth	-				Approximate	Dissolved	Appearance
Elapsed	Purged	То	Temperature	рН	Conductivity	Turbidity	Flow Rate	Oxygen	of
Time	(gal.)	Water (ft)	°C/°F	s.u	mS/cm	(NTU)	(gal/min)	(mg/L)	Water
	0.5		12.1	7.57	768,2	112			Clear
	±4,6		13.2	7.58	770.5	oven	ance		alut
	117		1110	1170	11005	0041	ong		glay (
	19	1	11.5	7.55	797.2	OVA	Tange		10401
			(1	1.17			ng		
	\$ 3.5		12.0	7.56	782.6	DVV	ange		gray
							V		
	=10.0		11.7	7.56	785.	Overra	me		gray
	1				010.0		0		V
	±223		12.0	7,55	819.7	OverI	ange		graz
	126.5	26.9	11.5	7.59	790.3	A 14			
	16.1	19.0	1	1.51	190.7	over the	ye		gray
	531		11.9	7.62	827,0	Overd	and.		Gray
				1.40	0.11	- 0400	J		D'I
	35.5		11.6	7.56	\$780,9	overso	inc		gran
	-	Hi	1222		01.1		0		00
	40.0		12.0	A.5.	- 816.7	DUATEM	m-		graf
				11	101				0
	43,5		11+7	7.56	797.1	ouna	ngri		gray
						1. 1	-		0
	15	100		100.50		eligh	7		<u> </u>
nd Purge Tin	ne:	:30	Final: Color	Sva	7 Odor	petr	Sheen/Free I		VO
Final I	Depth to Water:		ft. bmp. Fin	al Well De	enth:	ft. bmp.	Total volume	purged: 43	5 12
			in singi			in only.		puigoui 1 p	gui.
NOTES:			0		0		1 0		
			Roadb	ox a	and)	well	head	ih	
			Gold	C	ondi7	obn	, alth	nouch	
-			Ind	1 c	ap	has	hee	n bo	allen
			So	T	- T	NO	Imae	- 100	KE

Attachment 2 Groundwater Sampling Logs



	5 K	2m - e	and me	at train	ble 11/3	o and 1	2/1/21			
NEU-VEI	LLE, LLC		T	Low F	low Groun	d Water Sa	mpling Log	^^ ·		
Date	2/2 2021	Perso	onnel	K R Miller	R Miller / A Rothfuss Weather MOStly cloudy ± 36 F					
Site Name	Site Name NYSEG Penn Yan Jackson St Evacuation Method				Bladder Pump Well # MW2D					
lite Location	ite Location Penn Yan, NY Sampling Method				ump	Project #	2021193			
Well informa	tion:	0 -								
Depth of Well	* ±3	<u>8.5</u> ft. 0ft. [16	* Measure	ments taken fron	n	NO	~ 1 A B2		
Depth to Wate	er* <u>(0.6</u>	0ft. [2/1/21		* Measurements taken from NO X Top of Well Casing NAPL Top of Protective Casing (Other, Specify) 12/2/21					
Length of Wat	ter Column	ft.	(Top of Protective (Other, Specify)	Casing 12	12/21		
			· · · · · · · · · · · · · · · · · · ·)				1 (
Start Purge Ti	ime: 13;	0								
1	Depth				Oxidation	Dissolved				
Time	To Water	Temperature (C°)	1 1	onductivity μs/cm)	Reduction		Turbidity	Flow		
000	(ft. BTOC)	(0)) Hq	µərom j	Potential (mV)	(mg/l)	(NTU)	Rate (ml/min)		
\$13510	NM		0.11	A		d a a	~	±400		
13:15	18.36,	120le	2.46	0,504	210.0	4,54	20.3			
12:25	20.54	12.2	9.50	0.516	195.4	4.97	11.7	1225		
11:30	21,49	1205	8,51	0,517	107.7	6.24	30.1			
13:45	2,55	12.5	8,50	0,520	175.0	6.33	31. F			
13:40	2,00	12.5	8,44	0,513	142.4	6.21	19.0			
				<u></u>						
								γ		
End Purge Tim	ne: 13:4	0	1	2 gal	. 7.31	sundu	orter pr	vger		
Water sample	" ANIN	00	le to	013	10 lin	riha la	nipme	nt.O		
Time collected	15.47	P	T	otal volume of	purged water rem	noved:	せん	5 gre		
		1	transl	eshoo:	the (ba	a MP5	Deompr	RESERA)		
Physical appea	arance at start	1 6	ζ		Physical appear	ance at sampling	1 + 1 5	- l		
	Color	clen			, i) olon, abboar	Color	lat 3.0	2 OVVa		
1	Odor 🕂	~ NON	E		Odor NONE Diacon					
Sheen/Free Pr	oduct	0			Sheen/Fre	e Product	NO	porg		
		1 51	1 001	115	17 177	1 IL L	mela			
		PY	- MIN	020-	12022		17/14	20		
Analytical Para	ameters:									
Container S	ize Contain	er Type	# Collected	Field	Filtered	Preservative		ntainer pH		
40 ml	Gl	185	9		No	HCI		NM		
250 ml 1 L		oly Glass	7	5	No No	NaOH None		NM NM		
<u> </u>		66810		/						

NEU-VELL	E, LLC			Low F	low Groun	d Water Sa	mpling Log		
Date 212/2021 Personnel KRMiller/A Rothfuss Weather OVErCast windy									
		-							
·				·····			2021193	z	
Site Location Pe		-	ling Method			Project #	2021193		
Well Informatio	n: + 12	4 ft. / ·	8				• N ·		
Depth of Well *	1/21	/ft.		* Measure	ments taken fron	n	Ne	Del-	
Depth to Water *	ac	ft. /	2/1/2	1	Х	Top of Well Cas	ing N	AFE	
Length of Water	Column	ft.				Top of Protectiv	e Casing	7/21	
						(Other, Specify)	1.21	21-	
Start Purge Time	»: 16'	00			<u></u>				
	Depth				Oxidation	Dissolved	n	T	
Time	To Water	Temperature		Conductivity	Reduction	Oxygen	Turbidity	Flow	
	(ft. BTOC)	(C°)	рН	(μs/cm)	Potential (mV)		(NTU)	Rate (mi/min)	
16:00	9.55	NM				((+ 200	
6.05	9.70	14.3	7.06	0,89	184.7	10.01	39 2	1	
10:10	9.72	4.5	1.12	0.89	120.9	5:10	25.9	<u>↓</u>	
16.15	9 76	14.4	7.15	0,90	194 7	4.97	11.7		
16:20	9.84	14 5	7.15	0.99	169.7	5.07	9 20	<u> </u>	
16:15	0,91	14.5	7.14	0.97	65.9	5.03	8.47		
10 - 1- 7								N e	
							212	1	
15						54.0 5	S 5 5		
2.26									
			ا <u>ب ما</u>						
End Purge Time:	16:	125							
Water sample:							+ 1 1	~ 0	
Time collected:	16:30			Total volume of	ourged water ren	noved:	- 1.5	aar	
					,	3		-F-	
								v	
Physical appeara	nce at start	1			Physical appear	ance at sampling	A I		
•	lor CL	th h			r nyolour uppour	Color	(DORT		
Od		JONE				Odor	NON		
Sheen/Free Prod	· · · · · · · · · · · · · · · · · · ·	JUIVE			Sheen/Fre	(*	NUN		
Sheen/Free Frou	N	U			Gleenrie		A/6	ł.	
		NO V	- M	N25-	- 12.02-	2-1"	10		
Analytical Param	neters:	1	1	0	1000			-	
_								ð a	
Container Size		er Type	# Collected Field Filtered			Preservative Container pH			
40 ml 250 ml		ass	- t		No No	HCI NaOH		NM NM	
		oly Class	- 1		No	None			
41	amno							NM	
1L	Ambe	Glass	X			None		NM	

NEU-VEL	LE. LLC	Low FI	Low Flow Ground Water Sampling Log							
Date 12/3 /2021 Personnel			nnel	K R Miller / A Rothfuss Weather		Weather C	Jondy 135'F			
Site Name	ame NYSEG - Penn Yan Jackson St Evacu		ation Method	hod Bladder Pump		Well #	MW-1			
	Location Penn Yan, NY Sampl		ling Method	Bladder Pu			2021193	·,		
Well informat		7		* * * *		_	N	0		
Depth of Well		t. <u>3</u> ft. / 3	21.12	" ivieasurei	ments taken from X	Top of Well Cas		APL		
Depth to Wate Length of Wate		1 <u>2</u> (, /) ft.	-11/2				e Casing			
Lenger of Wate						(Other, Specify)		3/21		
Start Purge Time: 11:45										
	Depth	T		On and a state state	Oxidation Reduction	Dissolved	Turbidity	Flow		
Time	To Water	Temperature (C°)		Conductivity (μs/cm)	Potential (mV)	Oxygen (mg/l)	(NTU)	Rate (ml/min)		
11:50	(ft. BTOC)	12.2	рН 7,06	0.6411	223.0	1.63	OVECTANG	4+, 200		
11.78	10,07	12.5	7.12	0.544	198 7	1,86	over			
2.00	10.15	12.7	7.12	0,549	134.4	1.78	over	1		
12:05	10,19	12.7	7.12	0.544	64.0	1.75	over	1		
12:10	10,20	1210	7.11	0.552	62.1	1.46	over			
12:15	10.19	12,3	7112	0.553	44,0	1.70	OVE			
12:20	10:20	12.10	7:11	0.554	37.2	1:75	aver			
12.25	[0.20	12.7	7.12	0.555	55 12	Litt	67Ver	1		
								U/		
	ne: 12:12	C		8 - 2				<u></u>		
End Purge Tim		-2					t o	- 1		
Water sample	12176						- lat	Sal		
Time collected	16.30		Total volume of purged water removed:							
								V		
Disustant oppos	arance at start	. 0			Physical appear	ance at sampling		I.		
	Color	Indy			Friysical appear	Color	cloud	ly l		
	Odor N	LONE		Odor NONE						
Sheen/Free Pro		NIO		Sheen/Free Product						
Griedian too n ti		- ~0 -					<i>pu</i>			
"PY - MWI - 120321"										
Analytical Para	ameters:									
Container S		ner Type	# Collected Field		d Filtered Prese		ve C	ontainer pH NM		
40 ml 250 ml		ass oly	T.		No No	HCI NaOH		NM		
<u>1 L</u>		r Glass			No	None		NM		

	Low Flow Ground Water Sampling Log									
	Weather Patty Sunny + 35									
Site Name NYSEG - Penn Yan Jackson St Evacuation Method Bladder Pump Well #	MW-6 F									
Site Location Penn Yan, NY Sampling Method Bladder Pump Project #	2021193									
Well information:										
Depth of Well * Depth to Water * 10.30 ft. 12/1/21 * Measurements taken from ft. 12/1/21 X Top of Well Casing NAAL										
Length of Water Columnft. Top of Protectiv	e Casing									
(Other, Specify)	143/4									
Start Purge Time: 13,40										
Depth Oxidation Dissolved										
Time To Water Temperature Conductivity Reduction Oxygen	Turbidity Flow									
(ft. BTOC) (C°) pH (µs/cm) Potential (mV) (mg/l)	(NTU) Rate (ml/mln)									
13.45 11.10 11.3 7.50 0.404 143.4 7.31	W.12 + 250									
13:50 12.65 1.9 7.49 8.402 44.4 7.73	3.98									
13:55 13.41 12.1 7.50 0.403 147.6 8.02	2-150									
14:00 14.40 1.9 7.97 0.401 150.3 8.28	6145									
4:05 15.29 2.07.47 0.401 152.8 0.33	1.08									
14:10 16:40 7:0 7:48 0.400 154.7 8:63	2:00									
	5,46 11									
4:25 20.0 (2.0 7.49 0.409 100.0 0.42	2.31									
14:35 20.51 12.0 7.49 0.405 160.1 8.48	2,36									
440 20,55 11.9 7.48 0.406 159 9 9.48	224 1									
17(7)										
	<u> </u>									
End Purge Time: 440	1									
Water sample: 11 to 1	I 2.5 gov									
Time collected: 14 145 Total volume of purged water removed:										
	G									
Physical appearance at start	deat									
Color Clad Color	Likev									
Odor NONY Odor	NUNE									
Sheen/Free Product	NO									
	A - //									
"PY-MW6-120321"+ "PY-D4	1-120321									
Applying Parameters										
Analytical Parameters:										
Container Size Container Type # Collected Field Filtered Preservation										
Container Size Container Type # Collected Field Filtered Preservation 40 ml Glass No HCi	NM									
Container SizeContainer Type# CollectedField FilteredPreservation40 mlGlassNoHCl250 mlpolyZNoNaOH	NM NM									
Container Size Container Type # Collected Field Filtered Preservation 40 ml Glass No HCi	NM									

NEU-VELLE. LLC					Low Flow Ground Water Sampling Log					
Date 12/4/2021 Personnel					KR Miller LA Rothings Weather MOSTLy cloudy + 40					
Site Name NYSEG - Penn Yan Jackson St Evacuation Method					Bladder Pump Well # Mw-40					
Site Location	Penn Yan, NY	Bladder Pu	Bladder Pump Project # 2021193							
Well information:										
Depth of Wall \star $\frac{1}{7}$ $\frac{40}{40}$ ff \star Measurements taken from NO										
Depth to Wate	er* <u>îi</u>	. 78 ft. /	2/1/2	-1	X	Top of Well Cas	ing 📘 📐	JAARC		
Length of Wate	er Column	ft.	1			Top of Protective	e Casing	$\frac{14}{21}$		
(Other, Specify)										
Start Purge Time: 12,05										
	Depth				Oxidation	Dissolved				
Time	To Water	Temperature		Conductivity	Reduction	Oxygen	Turbidity	Flow		
- 4 6 0 0	(ft. BTOC)	(C°)	рН	(µs/cm)	Potential (mV)	(mg/l)	(NTU)	Rate (ml/min)		
1.00	12,6	NM-						1125		
12:10	NM	11.0	2.07	0. 301	205.2	1.55	90.8.	± 160		
121,15	14,25	10.9	8.04	0.301	183.5	1.20	73,4	Υ		
12:20	14,81	11.0	8.07	0.305	112.6	0.97	72,5			
12125	15.26	1.0	7.99	0.310	16.6	0.90	58:6			
12:30	1/0,60	11.0	7.99		-63.7	0.68	58.0			
12:40	17,45	10,9	7.97	0.316	-48.9	0.65	39.5			
2.45	17,79	10.9	7.94	0.320	- 85.8	0:56	90,1			
12:50	17,89	10,8	7,93		-100.8	0.55	34.0	└── <u>\</u> //───		
12:59	17,98	10.9	7.93	0.312	-101.6	0 + 52	- 35:3			
′ —										
1	····									
	· · · · · · · · · · · · · · · · · · ·									
						· · · · · · · · · · · · · · · · · · ·				
End Purge Time: 12:55										
Water sample								1		
Time collected	17:00			Total volume of	purged water rem	noved:	+2.5	cal		
-	¥						0	/		
			~				-			
	arance at start		0.		Physical appears	ance at sampling				
	Color <u>Sligh</u>	in clone	29		Color <u>Cleas</u>					
	Odor	NONE			Odor <u>NONE</u> Sheen/Free Product ALO					
Sheen/Free Pro	oduci	NO			Sneen/Fre	e Product	ND			
		P	1 - n	ALLAN	1 - 170	471"				
			1	1012	140	1				
Analytical Para	ameters:									
Container S		ner Type	# Collected Field Filtered			Preservati	ontainer pH			
40 ml		ass	4	1	No No	HCI NaOH		NM NM		
250 ml 1 L		oly r Glass	1		No	None		NM		

(

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5

Pro-

NEU-VELLE, LLC					Low Flow Ground Water Sampling Log						
Date 12/4/2021 Personnel					KR Miller / A Bethfuse Weather Partly clandy + 40						
Site Name NYSE	Bladder Pu	Bladder Pump Well # Mw-45 F									
Site Location Penn	Site Location Penn Yan, NY Sampling Method				ımp	Project #	2021193				
Well information:	1										
Depth of Well *	± 21.	7 .	2	* Measure	ments taken from	1	NO	NAPL			
Depth to Water *	110	14 ft /	2/1/2			Top of Well Cas	ina	NIT			
Length of Water Colu	umn	14 ft. /: ft.	7/2	,	Top of Protective Casing $12/4/21$						
			• <i>(</i>			(Other, Specify)	(1			
Start Purge Time:	13.	30	* F	Feet bel	on tep	ofpro	tective	Casiha			
	Depth				Oxidation	Dissolved		8			
Time	· ·	Temperature		Conductivity	Reduction	Oxygen	Turbidity	Flow			
(;	tt-BTOC)	(C°)	рН	(µs/cm)	Potential (mV)	(mg/l)	(NTU)	Rate (ml/min)			
13:30 1	2,93	NM	179	1			. 1.00	1400			
12: 95	NM 13.84	11.2	0.77	1.05	7.4	2,69	NM Bell	1 200			
13:45	13,97	11+3	6.89	1105	-13,8	2,08	5.15				
13:50 1	48,15	11.5	7.52	1,05	- 45,2	2.31	3:26				
13:55	14.28	11.4	7.73	1.05	-37.Z	2,29	2.40	1			
4:00	14.49	11.3	7,76	1,06	-37.4	2,27	2036				
14:10	14.62	11:3	7.70	1.06	-32,5	2.47	2,86				
4:15	14.07	11.3	7,66	1.06	- 30.0	2179	2406				
								$-\vee$			
							-				
1											
			-								
								<u>-</u>			
End Purge Time:	14;	15									
-	<u>L r_</u>						1 _	0			
Water sample: Time collected:	1:15			Total volume of	purged water rem	ioved:	+29	Inl			
Time conected. []				Total volume of	bulged water for	ioved,	1				
							,				
Physical appearance	at start	100			Physical appeara		dear				
Color	<u>, CI</u>	Las 1	n D			Color /	0.04	I. OP			
Odor	heavy pr	tro./M	GY		Odor heavy petro. MGP						
Physical appearance at start Color Odor Sheen/Free Product Color NO Color NO Color NO Physical appearance at sampling Color Odor NO Color NO											
	11	PV	$\Lambda\Lambda$	140	12042	1 "					
			- 1 "(1	<u>~ <7 /</u>	14042						
Analytical Paramete	rs:										
Container Size	Containe	er Type	# Collecte	d Field	Filtered	Preservati	ve Co	ontainer pH			
40 ml	Glas	SS	2		No HCI		NM				
250 ml	pol		1-1		No No	NaOH None		NM NM			
<u> </u>	Amber	GIGDD			110	NUR					



NEU-VELL	E. LLC			Low F	ow Groun	d Water Sa	mpling Loc	
Date 7	2-1 6 /2021	Perso	nnel	K R Miller	/ A Rothfuss	Weather	F, Saih, C	
Site Name N	IYSEG - Penn Yan J	ackson St Evacu	ation Method	Bladder Pl	ımp	Well #	Mm - 3	A 145
Site Location P	enn Yan, NY	Samp	ling Method	Bladder Pl	ump	Project #	2021193	F
Well informatio	on: J	•						
Depth of Well *	Ŧ3	8 ft. 15 ft. 1		* Measure	ments taken from	n		NO APL /6/21
Depth to Water	* 11.	15 ft. 1	2/1/21		Х	Top of Well Cas	ing N	APL
Length of Water	Column	ft.				Top of Protectiv	e Casing	listo r
						(Other, Specify)	(4	79/21
Start Purge Time	e: 124	15						
	Depth				Oxidation	Dissolved		
Time	To Water	Temperature		Conductivity	Reduction	Oxygen	Turbidity	Flow
DR	(ft. BTOC)	(C°)	рН (μs/cm)	Potential (mV)	(mg/l)	(NTU)	Rate (ml/min)
12:15	- HIIY	ENT	c F	en T	Su 1	a		-
12:20	12.05	11.0	7.20	0.76	161.8	1.20	950	+ 275
12:25	12,21	1019	7.24	0.76	149.2	0,63	90.7	
12:30	12,36	10.7	7.25	0.76	133.5	0.53	OVEF Paris	· R
17:40	12.44	10.0	7.28	0.76	106.7	0.51	DVR	
12:45	12,43	10.6	7.27	0.76	53.1	0.47	QV er	
121,50	12,49	10.6	7.26	0,75	13.8	0.40	OVE	
12:55	12.49	10.0	7.28	0.73	-4.5	6.36	OVE	
								<u> </u>
				· · · · · · · · · · · · · · · · · · ·				
	1 7 8							
End Purge Time:	12-	25						
Water sample:	17:00						± 2	5
Time collected:	13:00		Т	otal volume of	ourged water ren	noved:		-f-
		0						v
Physical appeara	ance at start 🖉 🖉	nd ca a C	an		Physical appear	ance at sampling		
	olor	10-9 +	10-			Color	turbar	Iny
1	dorV <u>ersligh</u>	T putro.	8 XOC			Odor S	light so	pito
Sheen/Free Prod		10			Sheen/Fre	e Product	NO	
Equipro	rent Blank		PY-E	3-120	521" al	lecter	12/5/21	13:00
Analytical Paran	neters: 5mm	rele i'	PY-M	W3A-	- 17.06	211		
Container Size	e Contair	ier Type	# Collected	Field	Filtered	Preservati	/e C	ontainer pH
40 ml	G	ass	4		No	HCI		NM
1 L		oly r Glass	2	-	No No	NaOH None		NM NM
·								
						~		

Exhibit A

Groundwater Laboratory Report, Chain of Custody Forms, and DUSR



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-193120-1

Client Project/Site: NYSEG Former MGP Site - Penn Yan

For:

New York State Electric & Gas PO BOX 5224 Binghamton, New York 13902

Attn: Mr. Tracy L Blazicek



Authorized for release by: 12/14/2021 9:27:06 AM Rebecca Jones, Project Management Assistant I Rebecca.Jones@Eurofinset.com

Designee for

..... Links

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John Schove, Project Manager II (716)504-9838 John.Schove@Eurofinset.com

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

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

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

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Sample Summary	26
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~ 1:6:

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Presumptive Quality Control

Qualifiers		 3
GC/MS VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5
GC/MS Semi	VOA	
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
S1-	Surrogate recovery exceeds control limits, low biased.	8
General Che	mistry	
Qualifier	Qualifier Description	9
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	

Job ID: 480-193120-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-193120-1

Case Narrative

Comments

No additional comments.

Receipt

The samples were received on 12/7/2021 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.7° C, 2.9° C and 3.5° C.

GC/MS VOA

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: PY-MW3A-120621 (480-193120-9). pH is 7.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: PY-MW4S-120421 (480-193120-7). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method 8270D LL: The following sample was diluted due to color, appearance, and viscosity: PY-MW4S-120421 (480-193120-7). Elevated reporting limits (RL) are provided.

Method 8270D LL: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: PY-MW3A-120621 (480-193120-9). These results have been reported and qualified.

Method 8270D LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: PY-MW4S-120421 (480-193120-7). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The following sample was diluted due to the abundance of target analytes: PY-MW4S-120421 (480-193120-7). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

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

General Chemistry

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

Organic Prep

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

Detection Summary

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

Job ID: 480-193120-1

W2D-120221					Lab Sa	mple ID: 4	80-193120-
Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
0.0074	J	0.010	0.0050	mg/L	1	9012B	Total/NA
W2S-120221					Lab Sa	mple ID: 4	80-193120-2
Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
0.11	J	0.53	0.085	ug/L	1	8270D LL	Total/NA
W1-120321					Lab Sa	mple ID: 4	80-193120-
	Qualifier	RL	MDL	Unit		-	Prep Type
		1.0			1	8260C	Total/NA
0.35	J	1.1		-	1	8270D LL	Total/NA
0.015		0.010	0.0050	mg/L	1	9012B	Total/NA
UP-120321					Lab Sa	mple ID: 4	80-193120-
W6-120321					Lab Sa	mple ID: 4	80-193120-
W4D-120421					Lab Sa	mple ID: 4	80-193120-
Result	Qualifier	RL			Dil Fac	D Method	Prep Type
0.67	J	1.1	0.067	ug/L	1	8270D LL	Total/NA
W4S-120421					Lab Sa	mple ID: 4	80-193120-
Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
1600		40	16	ug/L	40	8260C	Total/NA
480		40	30	ug/L	40	8260C	Total/NA
91		40	20	ug/L	40	8260C	Total/NA
800		80	26	ug/L	40	8260C	Total/NA
13		2.5	0.18	ug/L	5	8270D LL	Total/NA
64		1.5	0.28	ug/L	5	8270D LL	Total/NA
6.3		2.5	0.17	ug/L	5	8270D LL	Total/NA
2.5		2.5	0.40	ug/L	5	8270D LL	Total/NA
17		2.5	0.29	ug/L	5	8270D LL	Total/NA
17 23		2.5 1.0	0.29	ug/L ug/L	5 5	8270D LL 8270D LL	Total/NA Total/NA
	J		0.29 0.31	•			
23	J	1.0	0.29 0.31 0.38	ug/L ug/L	5	8270D LL	Total/NA Total/NA
23 2.2	J	1.0 2.5	0.29 0.31 0.38	ug/L ug/L ug/L	5 5	8270D LL 8270D LL	Total/NA
23 2.2 2600 0.083	J	1.0 2.5 400	0.29 0.31 0.38 26	ug/L ug/L ug/L	5 5 400 1	8270D LL 8270D LL 8270D LL 9012B	Total/NA Total/NA Total/NA Total/NA
23 2.2 2600 0.083 B-120521		1.0 2.5 400 0.010	0.29 0.31 0.38 26 0.0050	ug/L ug/L ug/L mg/L	5 5 400 1 Lab Sa	8270D LL 8270D LL 8270D LL 9012B	Total/NA Total/NA Total/NA Total/NA 80-193120-
23 2.2 2600 0.083 B-120521 Result	Qualifier	1.0 2.5 400 0.010 RL	0.29 0.31 0.38 26 0.0050 MDL	ug/L ug/L ug/L mg/L Unit	5 5 400 1 Lab Sa	8270D LL 8270D LL 8270D LL 9012B	Total/NA Total/NA Total/NA Total/NA
23 2.2 2600 0.083 B-120521 <u>Result</u> 0.94	Qualifier J	1.0 2.5 400 0.010	0.29 0.31 0.38 26 0.0050	ug/L ug/L ug/L mg/L Unit	5 400 1 Lab Sa 	8270D LL 8270D LL 9012B mple ID: 44 <u>P</u> Method 8270D LL	Total/NA Total/NA Total/NA Total/NA 80-193120-0 Prep Type Total/NA
23 2.2 2600 0.083 B-120521 <u>Result</u> 0.94	Qualifier J	1.0 2.5 400 0.010 RL 1.0	0.29 0.31 0.38 26 0.0050 MDL 0.067	ug/L ug/L ug/L mg/L Unit ug/L	5 400 1 Lab Sa <u>Dil Fac</u> 1 Lab Sa	8270D LL 8270D LL 9012B mple ID: 43 <u>P</u> Method 8270D LL mple ID: 43	Total/NA Total/NA Total/NA 80-193120- Prep Type Total/NA 80-193120-
23 2.2 2600 0.083 B-120521 <u>Result</u> 0.94	Qualifier J	1.0 2.5 400 0.010 RL 1.0	0.29 0.31 0.38 26 0.0050 MDL 0.067 MDL	ug/L ug/L ug/L mg/L Unit ug/L	5 400 1 Lab Sa <u>Dil Fac</u> 1 Lab Sa	8270D LL 8270D LL 9012B mple ID: 44 <u>P</u> Method 8270D LL mple ID: 44 <u>P</u> Method <u>8270D LL</u>	Total/NA Total/NA Total/NA 80-193120-4 Prep Type Total/NA 80-193120-4 Prep Type
23 2.2 2600 0.083 B-120521 <u>Result</u> 0.94	Qualifier J	1.0 2.5 400 0.010 RL 1.0	0.29 0.31 0.38 26 0.0050 MDL 0.067 MDL 0.41	ug/L ug/L ug/L mg/L Unit ug/L	5 400 1 Lab Sa <u>Dil Fac</u> 1 Lab Sa	8270D LL 8270D LL 9012B mple ID: 43 <u>P</u> Method 8270D LL mple ID: 43	Total/NA Total/NA Total/NA Total/NA 80-193120- Prep Type Total/NA 80-193120-
	Result 0.0074 W2S-120221 Result 0.11 W1-120321 Result 13 0.35 0.015 UP-120321 W6-120321 W4D-120421 Result 0.67 W4S-120421 Result 1600 480 91 800 13 64	Result Qualifier 13 0.35 J 0.015 J J UP-120321 Image: Constant of the second	Result Qualifier RL 0.0074 J 0.010 W2S-120221 Qualifier RL 0.11 J 0.53 W1-120321 Qualifier RL 13 1.0 0.35 0.015 0.010 0.010 UP-120321 Qualifier RL 0.015 0.010 0.010 UP-120321 Qualifier RL 0.67 J 1.1 W4D-120421 Qualifier RL 0.67 J 1.1 W4S-120421 40 40 480 40 40 13 2.5 64 13 2.5 64 1.5 6.3 2.5	Result Qualifier RL MDL 0.0074 J 0.010 0.0050 W2S-120221 Result Qualifier RL MDL 0.11 J 0.53 0.085 W1-120321 Result Qualifier RL MDL 13 1.0 0.41 0.41 0.35 J 1.1 0.069 0.015 0.010 0.0050 UP-120321 W66-120321 W4D-120421 Result Qualifier RL MDL 0.67 J 1.1 0.067 W4S-120421 Result Qualifier RL MDL 1600 40 16 30 31 91 40 20 30 31 31 91 40 20 30 31 31 32.5 0.18 64 1.5 0.28 6.3 2.5 0.17	Result Qualifier RL MDL Unit 0.0074 J 0.010 0.0050 mg/L W2S-120221 Result Qualifier RL MDL Unit 0.11 J 0.53 0.085 ug/L WV2S-120221 Result Qualifier RL MDL Unit 0.11 J 0.53 0.085 ug/L WV1-120321 Unit 0.41 ug/L 0.35 J 1.1 0.069 ug/L 0.015 0.010 0.0050 mg/L UP-120321 W4D-120421 V V UP-120321 UP UP W4S-120421 Unit 0.67 ug/L Unit 0.067 ug/L W4S-120421 Unit 0.67 UP ug/L UP ug/L 1600 40 16 ug/L ug/L ug/L ug/L 480 40 30 ug/L ug/L ug/L ug	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Result Qualifier RL MDL Unit Dil Fac D Method 0.0074 J 0.010 0.0050 mg/L 1 D Method W2S-120221 Lab Sample ID: 4/ 0.11 J 0.53 0.085 ug/L Dil Fac D Method 0.11 J 0.53 0.085 ug/L Dil Fac D Method 0.11 J 0.53 0.085 ug/L Dil Fac D Method W1-120321 Lab Sample ID: 4/ Lab Sample ID: 4/ Mothod 1 8260C 0.35 J 1.1 0.069 ug/L 1 8260C 0.35 J 0.11 0.0050 mg/L 1 9012B UP-120321 Lab Sample ID: 4/ Lab Sample ID: 4/ W40-120421 Lab Sample ID: 4/ 8270D LL W4S-120421 Lab Sample ID: 4/ 8270D LL W4S-120421 Lab Sample ID: 4/ 8270D LL W4

This Detection Summary does not include radiochemical test results.

0.73 J

Toluene

Eurofins TestAmerica, Buffalo

8260C

1

1.0

0.51 ug/L

Total/NA

Detection Summary

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

Client Sample ID: PY-MW3A-120621 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	Method	Prep Type
Xylenes, Total	14		2.0	0.66	ug/L	1	8260C	Total/NA
Acenaphthylene	0.16	J	0.32	0.060	ug/L	1	8270D LL	Total/NA
Naphthalene	2.9		1.1	0.068	ug/L	1	8270D LL	Total/NA
Cyanide, Total	0.025		0.010	0.0050	mg/L	1	9012B	Total/NA

Client Sample ID: TRIP BLANKS

No Detections.

Lab Sample ID: 480-193120-9

Job ID: 480-193120-1

This Detection Summary does not include radiochemical test results.

Job ID: 480-193120-1

Matrix: Water

Lab Sample ID: 480-193120-1

Client Sample ID: PY-MW2D-120221 Date Collected: 12/02/21 13:45 Date Received: 12/07/21 11:30

Method: 8260C - Volatile O	rganic Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/08/21 14:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/21 14:21	1
Toluene	ND		1.0	0.51	ug/L			12/08/21 14:21	1
Xylenes, Total	ND	F1	2.0	0.66	ug/L			12/08/21 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120					12/08/21 14:21	1

1,2-Dichloroethane-d4 (Surr)	104	77 - 120	12/08/21 14:21	1
4-Bromofluorobenzene (Surr)	106	73 - 120	12/08/21 14:21	1
Dibromofluoromethane (Surr)	112	75 - 123	12/08/21 14:21	1
Toluene-d8 (Surr)	97	80 - 120	12/08/21 14:21	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

	Toracino organito								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	·	0.49	0.035	ug/L		12/08/21 09:15	12/09/21 12:42	1
Acenaphthylene	ND		0.29	0.054	ug/L		12/08/21 09:15	12/09/21 12:42	1
Anthracene	ND		0.49	0.033	ug/L		12/08/21 09:15	12/09/21 12:42	1
Chrysene	ND	F2 F1	0.49	0.072	ug/L		12/08/21 09:15	12/09/21 12:42	1
Fluoranthene	ND		0.49	0.078	ug/L		12/08/21 09:15	12/09/21 12:42	1
Fluorene	ND		0.49	0.056	ug/L		12/08/21 09:15	12/09/21 12:42	1
Naphthalene	ND		0.97	0.062	ug/L		12/08/21 09:15	12/09/21 12:42	1
Phenanthrene	ND		0.19	0.060	ug/L		12/08/21 09:15	12/09/21 12:42	1
Pyrene	ND		0.49	0.074	ug/L		12/08/21 09:15	12/09/21 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	109		37 - 120				12/08/21 09:15	12/09/21 12:42	1
Nitrobenzene-d5 (Surr)	89		26 - 120				12/08/21 09:15	12/09/21 12:42	1
p-Terphenyl-d14	99		64 - 127				12/08/21 09:15	12/09/21 12:42	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0074	J	0.010	0.0050	mg/L		12/08/21 11:36	12/08/21 13:15	1

Client Sample ID: PY-MW2S-120221

Date Collected: 12/02/21 16:30

Date Received: 12/07/21 11:30

Method: 8260C - Volatile Organic Compounds by GC/MS										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		1.0	0.41	ug/L			12/08/21 14:44	1	
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/21 14:44	1	
Toluene	ND		1.0	0.51	ug/L			12/08/21 14:44	1	
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/21 14:44	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)			77 - 120					12/08/21 14:44	1	
4-Bromofluorobenzene (Surr)	103		73 - 120					12/08/21 14:44	1	
Dibromofluoromethane (Surr)	113		75 - 123					12/08/21 14:44	1	
Toluene-d8 (Surr)	96		80 - 120					12/08/21 14:44	1	

1 1

> 12 13 14

Lab Sample ID: 480-193120-2 Matrix: Water

Client Sample ID: PY-MW2S-120221 Date Collected: 12/02/21 16:30 Date Received: 12/07/21 11:30

Lab Sample ID: 480-193120-2 Matrix: Water

Dil Fac

6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.53	0.038	ug/L		12/08/21 09:15	12/09/21 13:10	1
Acenaphthylene	ND		0.32	0.060	ug/L		12/08/21 09:15	12/09/21 13:10	
Anthracene	ND		0.53	0.036	ug/L		12/08/21 09:15	12/09/21 13:10	
Chrysene	ND		0.53	0.079	ug/L		12/08/21 09:15	12/09/21 13:10	
Fluoranthene	0.11	J	0.53	0.085	ug/L		12/08/21 09:15	12/09/21 13:10	
Fluorene	ND		0.53	0.062	ug/L		12/08/21 09:15	12/09/21 13:10	1
Naphthalene	ND		1.1	0.068	ug/L		12/08/21 09:15	12/09/21 13:10	
Phenanthrene	ND		0.21	0.066	ug/L		12/08/21 09:15	12/09/21 13:10	
Pyrene	ND		0.53	0.081	ug/L		12/08/21 09:15	12/09/21 13:10	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
2-Fluorobiphenyl	113		37 - 120				12/08/21 09:15	12/09/21 13:10	
Nitrobenzene-d5 (Surr)	94		26 - 120				12/08/21 09:15	12/09/21 13:10	
p-Terphenyl-d14	110		64 - 127				12/08/21 09:15	12/09/21 13:10	
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Cyanide, Total	ND		0.010	0.0050	mg/L		12/08/21 10:32	12/08/21 11:25	
lient Sample ID: PY-	MW1-120321					La	ab Sample	ID: 480-193	120-:
ate Collected: 12/03/21 1	2:30							Matrix	: Wate

Method: 8260C - Volatile O Analyte	Result Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<u>13</u>	1.0	0.41			Topulou	12/08/21 15:09	1
Ethylbenzene	ND	1.0	0.74	0			12/08/21 15:09	1
Toluene	ND	1.0	0.51	ug/L			12/08/21 15:09	1
Xylenes, Total	ND	2.0	0.66	ug/L			12/08/21 15:09	1
Surrogate	%Recovery Qualifier	r Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109	77 - 120					12/08/21 15:09	1
4-Bromofluorobenzene (Surr)	104	73 - 120					12/08/21 15:09	1
Dibromofluoromethane (Surr)	112	75 - 123					12/08/21 15:09	1
Toluene-d8 (Surr)	95	80 - 120					12/08/21 15:09	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.54	0.039	ug/L		12/08/21 09:15	12/09/21 13:37	1
Acenaphthylene	ND		0.32	0.060	ug/L		12/08/21 09:15	12/09/21 13:37	1
Anthracene	ND		0.54	0.037	ug/L		12/08/21 09:15	12/09/21 13:37	1
Chrysene	ND		0.54	0.080	ug/L		12/08/21 09:15	12/09/21 13:37	1
Fluoranthene	ND		0.54	0.086	ug/L		12/08/21 09:15	12/09/21 13:37	1
Fluorene	ND		0.54	0.062	ug/L		12/08/21 09:15	12/09/21 13:37	1
Naphthalene	0.35	J	1.1	0.069	ug/L		12/08/21 09:15	12/09/21 13:37	1
Phenanthrene	ND		0.22	0.067	ug/L		12/08/21 09:15	12/09/21 13:37	1
Pyrene	ND		0.54	0.082	ug/L		12/08/21 09:15	12/09/21 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	107		37 - 120				12/08/21 09:15	12/09/21 13:37	1
Nitrobenzene-d5 (Surr)	87		26 - 120				12/08/21 09:15	12/09/21 13:37	1

Client: New York State Electric & Gas Project/Site: NYSEG Former MGP Site - Penn Yan Job ID: 480-193120-1

ate Collected: 12/03/21 12: ate Received: 12/07/21 11:						La	b Sample	ID: 480-193 Matrix:	
Method: 8270D LL - Semiv	olatile Organic	Compoun	ds by GC/M	S - Low	Level (Co	ontinu	ed)		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
p-Terphenyl-d14	<u>%Recovery</u> 91	Quanner	64 - 127					12/09/21 13:37	
p-reiphenyi-d14	91		04 - 121				12/06/21 09.15	12/09/21 13.37	
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Cyanide, Total	0.015		0.010	0.0050	mg/L		12/08/21 10:32		
lient Comple ID: DV D							h Comula	D. 400 402	400
Client Sample ID: PY-D ate Collected: 12/03/21 00: ate Received: 12/07/21 11:	:00					La	ib Sample	ID: 480-193 Matrix:	
Method: 8260C - Volatile O	rganic Compo	unds by G	C/MS						
Analyte	· · · ·	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Benzene	ND		1.0	0.41	ug/L			12/08/21 15:32	
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/21 15:32	
Toluene	ND		1.0	0.51	ug/L			12/08/21 15:32	
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/21 15:32	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil
1,2-Dichloroethane-d4 (Surr)		Quanner	77 - 120				Trepureu	12/08/21 15:32	
4-Bromofluorobenzene (Surr)	106		73 - 120					12/08/21 15:32	
Dibromofluoromethane (Surr)	115		75 - 123					12/08/21 15:32	
Toluene-d8 (Surr)	98		80 - 120					12/08/21 15:32	
Method: 8270D LL - Semiv	olatilo Organic	Compour	de hu CC/M		evel				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Analyte Acenaphthene	Result ND		RL 0.49	MDL 0.035	Unit ug/L	<u>D</u>	12/08/21 09:15	12/09/21 14:04	Dil I
Analyte Acenaphthene Acenaphthylene	Result ND ND		RL 0.49 0.29	MDL 0.035 0.054	Unit ug/L ug/L	<u> </u>	12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04	Dil I
Analyte Acenaphthene Acenaphthylene Anthracene	Result ND ND ND ND		RL 0.49 0.29 0.49	MDL 0.035 0.054 0.033	Unit ug/L ug/L ug/L	<u> </u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	Dil
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene	Result ND ND ND ND		RL 0.49 0.29 0.49 0.49	MDL 0.035 0.054 0.033 0.072	Unit ug/L ug/L ug/L ug/L	<u> </u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	Dil
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene	Result ND ND ND ND ND		RL 0.49 0.29 0.49 0.49 0.49	MDL 0.035 0.054 0.033 0.072 0.078	Unit ug/L ug/L ug/L ug/L ug/L	<u>D</u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	Dill
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene	Result ND ND ND ND ND ND		RL 0.49 0.29 0.49 0.49 0.49 0.49	MDL 0.035 0.054 0.033 0.072 0.078 0.056	Unit ug/L ug/L ug/L ug/L ug/L	<u> </u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	Dill
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene	Result ND ND ND ND ND ND ND		RL 0.49 0.29 0.49 0.49 0.49 0.49 0.49 0.97	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062	Unit ug/L ug/L ug/L ug/L ug/L ug/L	<u> </u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	Dill
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene	Result ND ND ND ND ND ND ND ND		RL 0.49 0.29 0.49 0.49 0.49 0.49 0.97 0.19	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	Dill
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene	Result ND ND ND ND ND ND ND		RL 0.49 0.29 0.49 0.49 0.49 0.49 0.49 0.97	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u> </u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	Dill
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene	Result ND ND ND ND ND ND ND ND	Qualifier	RL 0.49 0.29 0.49 0.49 0.49 0.49 0.97 0.19	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u> </u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate	Result ND ND ND ND ND ND ND ND ND	Qualifier	RL 0.49 0.29 0.49	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u> </u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl	Result ND ND ND ND ND ND ND ND ND ND	Qualifier	RL 0.49 0.29 0.49	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u> </u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 Prepared 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl Nitrobenzene-d5 (Surr)	Result ND ND ND ND ND ND ND ND ND ND ND ND ND	Qualifier	RL 0.49 0.29 0.49	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u> </u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl Nitrobenzene-d5 (Surr) p-Terphenyl-d14	Result ND 91	Qualifier	RL 0.49 0.29 0.49 26 - 120	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	
Analyte Acenaphthene Acenaphthylene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl Nitrobenzene-d5 (Surr) p-Terphenyl-d14 General Chemistry	Result ND 91 99	Qualifier	RL 0.49 0.29 0.49 26 - 120	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060 0.074	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04 12/09/21 14:04	Dil I
Analyte Acenaphthene Acenaphthylene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl Nitrobenzene-d5 (Surr) p-Terphenyl-d14 General Chemistry Analyte	Result ND 91 99	Qualifier Qualifier	RL 0.49 0.29 0.41 0.42 0.42 </td <td>MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060 0.074</td> <td>Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L</td> <td></td> <td>12/08/21 09:15 12/08/21 09:15</td> <td>12/09/21 14:04 12/09/21 14:04</td> <td>Dil I</td>	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060 0.074	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04	Dil I
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl Nitrobenzene-d5 (Surr) po-Terphenyl-d14 General Chemistry Analyte Cyanide, Total	Result ND 91 99 Result ND	Qualifier Qualifier	RL 0.49 0.29 0.41 0.41	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060 0.074	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04	Dil F
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl Nitrobenzene-d5 (Surr) po-Terphenyl-d14 General Chemistry Analyte Cyanide, Total Client Sample ID: PY-M ate Collected: 12/03/21 14:	Result ND 91 92 Result ND ND W6-120321 :45	Qualifier Qualifier	RL 0.49 0.29 0.41 0.41	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060 0.074	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/09/21 14:04	
Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl Nitrobenzene-d5 (Surr) po-Terphenyl-d14 General Chemistry Analyte Cyanide, Total Cyanide, Total Cilient Sample ID: PY-M ate Collected: 12/03/21 14: ate Received: 12/07/21 11:	Result ND 91 92 Result ND ND W6-120321 :45 30	Qualifier Qualifier	RL 0.49 0.29 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 26 - 120 64 - 127 RL 0.010	MDL 0.035 0.054 0.033 0.072 0.078 0.056 0.062 0.060 0.074	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/08/21 11:31 ID: 480-193	
Analyte Acenaphthene Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl Nitrobenzene-d5 (Surr) p-Terphenyl-d14 General Chemistry Analyte Cyanide, Total Client Sample ID: PY-M ate Collected: 12/03/21 14: ate Received: 12/07/21 11:3 Method: 8260C - Volatile O Analyte	Result ND Prganic Component	Qualifier Qualifier	RL 0.49 0.29 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 26 - 120 64 - 127 RL 0.010	MDL 0.035 0.054 0.072 0.078 0.056 0.062 0.060 0.074 MDL 0.0050	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	12/08/21 09:15 12/08/21 09:15	12/09/21 14:04 12/08/21 11:31 ID: 480-193	

Client Sample ID: PY-MW6-120321 Date Collected: 12/03/21 14:45 Date Received: 12/07/21 11:30

Date Collected: 12/03/21 14:45	Matrix: Water
Date Received: 12/07/21 11:30	
Method: 8260C Valatile Organic Compounds by CC/MS (Continued)	
Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/21 15:55	1
Toluene	ND		1.0	0.51	ug/L			12/08/21 15:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/21 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120					12/08/21 15:55	1
4-Bromofluorobenzene (Surr)	106		73 - 120					12/08/21 15:55	1
Dibromofluoromethane (Surr)	109		75 - 123					12/08/21 15:55	1

80 - 120

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

98

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.034	ug/L		12/08/21 09:15	12/09/21 14:32	1
Acenaphthylene	ND		0.29	0.053	ug/L		12/08/21 09:15	12/09/21 14:32	1
Anthracene	ND		0.48	0.032	ug/L		12/08/21 09:15	12/09/21 14:32	1
Chrysene	ND		0.48	0.070	ug/L		12/08/21 09:15	12/09/21 14:32	1
Fluoranthene	ND		0.48	0.076	ug/L		12/08/21 09:15	12/09/21 14:32	1
Fluorene	ND		0.48	0.055	ug/L		12/08/21 09:15	12/09/21 14:32	1
Naphthalene	ND		0.95	0.061	ug/L		12/08/21 09:15	12/09/21 14:32	1
Phenanthrene	ND		0.19	0.059	ug/L		12/08/21 09:15	12/09/21 14:32	1
Pyrene	ND		0.48	0.072	ug/L		12/08/21 09:15	12/09/21 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	101		37 - 120				12/08/21 09:15	12/09/21 14:32	1
Nitrobenzene-d5 (Surr)	85		26 - 120				12/08/21 09:15	12/09/21 14:32	1
p-Terphenyl-d14	89		64 - 127				12/08/21 09:15	12/09/21 14:32	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/08/21 10:32	12/08/21 11:33	1

Client Sample ID: PY-MW4D-120421 Date Collected: 12/04/21 13:00

Date Received: 12/07/21 11:30

Toluene-d8 (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/08/21 16:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/21 16:18	1
Toluene	ND		1.0	0.51	ug/L			12/08/21 16:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/21 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					12/08/21 16:18	1
4-Bromofluorobenzene (Surr)	104		73 - 120					12/08/21 16:18	1
Dibromofluoromethane (Surr)	114		75 - 123					12/08/21 16:18	1
Toluene-d8 (Surr)	95		80 - 120					12/08/21 16:18	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Acenaphthene	ND		0.53	0.038	ug/L		12/08/21 09:15	12/09/21 14:59	1

Eurofins TestAmerica, Buffalo

Lab Sample ID: 480-193120-6

Matrix: Water

12/08/21 15:55

Lab Sample ID: 480-193120-5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.32	0.059	ug/L		12/08/21 09:15	12/09/21 14:59	1
Anthracene	ND		0.53	0.036	ug/L		12/08/21 09:15	12/09/21 14:59	1
Chrysene	ND		0.53	0.078	ug/L		12/08/21 09:15	12/09/21 14:59	1
Fluoranthene	ND		0.53	0.084	ug/L		12/08/21 09:15	12/09/21 14:59	1
Fluorene	ND		0.53	0.061	ug/L		12/08/21 09:15	12/09/21 14:59	1
Naphthalene	0.67	J	1.1	0.067	ug/L		12/08/21 09:15	12/09/21 14:59	1
Phenanthrene	ND		0.21	0.065	0		12/08/21 09:15	12/09/21 14:59	1
Pyrene	ND		0.53	0.080	0			12/09/21 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	105	quanner	37 - 120					12/09/21 14:59	1
Nitrobenzene-d5 (Surr)	86		26 - 120					12/09/21 14:59	1
p-Terphenyl-d14	71		64 - 127					12/09/21 14:59	1
	,,,		04 - 727				12/00/21 03:10	12/03/21 14.00	,
General Chemistry	Pocult	Qualifier	Ы	MDL	Unit	п	Propared	Applyzod	Dil Eac
Analyte Cyanide, Total	ND	Qualifier		0.0050		<u>D</u>	Prepared	Analyzed 12/08/21 11:34	Dil Fac
Cyanide, Iolai			0.010	0.0050	mg/∟		12/00/21 10.32	12/00/21 11.34	1
Date Received: 12/07/21 11:3	30								
Mothod: 8260C - Volatilo O	raanic Compo	unde hy G	C/MS						
Method: 8260C - Volatile O Analyte	-	unds by G Qualifier	C/MS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	-					<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Benzene	Result 1600		RL	16	ug/L	<u> </u>	Prepared		
Analyte Benzene Ethylbenzene	Result 1600 480		RL	16 30	ug/L ug/L	<u>D</u>	Prepared	12/08/21 16:41	40
Analyte Benzene	Result 1600		RL 40 40	16 30 20	ug/L	<u> </u>	Prepared	12/08/21 16:41 12/08/21 16:41	40 40
Analyte Benzene Ethylbenzene Toluene Xylenes, Total	Result 1600 480 91 800	Qualifier	RL 40 40 40	16 30 20	ug/L ug/L ug/L	<u>D</u>		12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41	40 40 40
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate	Result 1600 480 91	Qualifier	RL 40 40 40 80	16 30 20	ug/L ug/L ug/L	<u>D</u>	Prepared Prepared	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41	40 40 40 40
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr)	Result 1600 480 91 800 %Recovery	Qualifier	RL 40 40 40 80 Limits	16 30 20	ug/L ug/L ug/L	<u>D</u>		12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 Analyzed	40 40 40 40 Dil Fac
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr)	Result 1600 480 91 800 %Recovery 113	Qualifier	RL 40 40 80 Limits 77 - 120	16 30 20	ug/L ug/L ug/L	<u>D</u>		12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41	40 40 40 40 Dil Fac 40
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr)	Result 1600 480 91 800 %Recovery 113 108	Qualifier	RL 40 40 80 Limits 77 - 120 73 - 120	16 30 20	ug/L ug/L ug/L	<u>D</u>		12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41	40 40 40 40 Dil Fac 40 40
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr)	Result 1600 480 91 800 %Recovery 113 108 112 98	Qualifier Qualifier	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120	16 30 20 26	ug/L ug/L ug/L ug/L	<u>D</u>		12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41	40 40 40 40 Dil Fac 40 40 40
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr)	Result 1600 480 91 800 %Recovery 113 108 112 98 Dlatile Organic Result	Qualifier Qualifier	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL	16 30 20 26 5 - Low I	ug/L ug/L ug/L ug/L	D	Prepared	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41	40 40 40 40 Dil Fac 40 40 40
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo	Result 1600 480 91 800 %Recovery 113 108 112 98 Olatile Organic	Qualifier Qualifier Compoun	RL 40 40 40 80 <i>Limits</i> 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS	16 30 20 26 5 - Low I MDL	ug/L ug/L ug/L ug/L		Prepared	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41	40 40 40 40 40 40 40 40 40
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo Analyte	Result 1600 480 91 800 %Recovery 113 108 112 98 Dlatile Organic Result	Qualifier Qualifier Compoun	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL	16 30 20 26 S - Low I MDL 0.18	ug/L ug/L ug/L ug/L		Prepared Prepared 12/08/21 09:15	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41	40 40 40 40 Dil Fac Dil Fac
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo Analyte Acenaphthene	Result 1600 480 91 800 %Recovery 113 108 112 98 Dlatile Organic Result 13	Qualifier Qualifier Compoun	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL 2.5	16 30 20 26 S - Low I <u>MDL</u> 0.18 0.28	ug/L ug/L ug/L ug/L Unit ug/L		Prepared Prepared 12/08/21 09:15 12/08/21 09:15	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41	40 40 40 40 Dil Fac 40 40 40 40 5
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo Analyte Acenaphthene Acenaphthylene	Result 1600 480 91 800 %Recovery 113 108 112 98 Diatile Organic Result 13 64	Qualifier Qualifier Compoun	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL 2.5 1.5	16 30 20 26 S - Low I <u>MDL</u> 0.18 0.28 0.17	ug/L ug/L ug/L ug/L <u>Unit</u> ug/L ug/L		Prepared Prepared 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/08/21 16:41 12/09/21 15:26 12/09/21 15:26	40 40 40 40 40 40 40 40 40 40 40 55 55
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo Analyte Acenaphthene Acenaphthylene Anthracene	Result 1600 480 91 800 %Recovery 113 108 112 98 Dlatile Organic Result 13 64 6.3	Qualifier Qualifier Compoun	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL 2.5 1.5 2.5	16 30 20 26 S - Low I <u>MDL</u> 0.18 0.28 0.17 0.37	ug/L ug/L ug/L ug/L <u>ug/L</u> ug/L ug/L ug/L		Prepared Prepared 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26	40 40 40 40 40 40 40 40 40 40 55 55 55
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo Analyte Acenaphthene Acenaphthylene Anthracene Chrysene	Result 1600 480 91 800 %Recovery 113 108 112 98 Dlatile Organic Result 13 64 6.3 ND	Qualifier Qualifier Compoun	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL 2.5 1.5 2.5 2.5	16 30 20 26 S - Low I <u>MDL</u> 0.18 0.28 0.17 0.37 0.40	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared Prepared 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26	40 40 40 40 Dil Fac 40 40 40 40 Dil Fac 5 5 5 5
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene	Result 1600 480 91 800 %Recovery 113 108 112 98 Dlatile Organic Result 13 64 6.3 ND 2.5 17	Qualifier Qualifier Compoun	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL 2.5 1.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	16 30 20 26 S - Low I MDL 0.18 0.28 0.17 0.37 0.40 0.29	ug/L ug/L ug/L ug/L Unit ug/L ug/L ug/L ug/L ug/L		Prepared Prepared 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26	40 40 40 40 Dil Fac 40 40 40 40 Dil Fac 55 55 55 55
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene	Result 1600 480 91 800 %Recovery 113 108 112 98 Dlatile Organic Result 13 64 6.3 ND 2.5	Qualifier Qualifier Compoun Qualifier	RL 40 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL 2.5 1.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	16 30 20 26 S - Low I MDL 0.18 0.28 0.17 0.37 0.40 0.29 0.31	ug/L ug/L ug/L ug/L Ug/L ug/L ug/L ug/L ug/L ug/L		Prepared Prepared 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26	40 40 40 40 40 40 40 40 40 40 40 40 55 55 55 55 55 55 55 55 55
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Phenanthrene	Result 1600 480 91 800 %Recovery 113 108 112 98 Dlatile Organic Result 13 64 6.3 ND 2.5 17 23	Qualifier Qualifier Compoun Qualifier	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL 2.5 1.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	16 30 20 26 S - Low I MDL 0.18 0.28 0.17 0.37 0.40 0.29 0.31	ug/L ug/L ug/L ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared Prepared 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26	40 40 40 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Phenanthrene Pyrene	Result 1600 480 91 800 %Recovery 113 108 112 98 Dlatile Organic Result 13 64 6.3 ND 2.5 17 23 2.2	Qualifier Qualifier Compoun Qualifier	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL 2.5 1.5 2.5	16 30 20 26 S - Low I MDL 0.18 0.28 0.17 0.37 0.40 0.29 0.31	ug/L ug/L ug/L ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26	40 40 40 40 Dil Fac 55 55 55 55 55 55 55 55 55 55 55
Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: 8270D LL - Semivo Analyte Acenaphthene Acenaphthylene Anthracene Chrysene Fluoranthene Fluorene Phenanthrene Pyrene Surrogate	Result 1600 480 91 800 %Recovery 113 108 112 98 Dlatile Organic Result 13 64 6.3 ND 2.5 17 23 2.2 %Recovery	Qualifier Qualifier Compoun Qualifier	RL 40 40 40 80 Limits 77 - 120 73 - 120 75 - 123 80 - 120 ds by GC/MS RL 2.5 1.5 2.5 1.0 2.5 Limits	16 30 20 26 S - Low I MDL 0.18 0.28 0.17 0.37 0.40 0.29 0.31	ug/L ug/L ug/L ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared Prepared 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15	12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/08/21 16:41 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26 12/09/21 15:26	40 40 40 40 Dil Fac 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

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

Client Sample ID: PY-MW4D-120421 Date Collected: 12/04/21 13:00 Date Received: 12/07/21 11:30

Job ID: 480-193120-1

Lab Sample ID: 480-193120-6 Matrix: Water 5 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	2600		400	26	ug/L		12/08/21 09:15	12/10/21 11:05	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
2-Fluorobiphenyl		S1-	37 - 120				12/08/21 09:15	12/10/21 11:05	40
Nitrobenzene-d5 (Surr)	0	S1-	26 - 120				12/08/21 09:15	12/10/21 11:05	40
p-Terphenyl-d14	0	S1-	64 - 127				12/08/21 09:15	12/10/21 11:05	40
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Cyanide, Total	0.083		0.010	0.0050	mg/L		12/08/21 10:32	12/08/21 11:35	
lient Sample ID: PY-EE	3-120521					La	b Sample	ID: 480-193	120-
ate Collected: 12/05/21 13:0 ate Received: 12/07/21 11:3								Matrix	Wate
Method: 8260C - Volatile Or		unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Benzene	ND		1.0	0.41	-			12/08/21 17:04	
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/21 17:04	
Toluene	ND		1.0	0.51	ug/L			12/08/21 17:04	
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/21 17:04	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					12/08/21 17:04	
4-Bromofluorobenzene (Surr)	106		73 - 120					12/08/21 17:04	
Dibromofluoromethane (Surr)	118		75 - 123					12/08/21 17:04	
Toluene-d8 (Surr)	98		80 - 120					12/08/21 17:04	
Method: 8270D LL - Semivo	latile Organic	Compoun	ds by GC/M	S - Low	_evel				
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Acenaphthene	ND		0.52	0.038	ug/L		12/08/21 09:15	12/09/21 15:54	
Acenaphthylene	ND		0.31	0.058	ug/L		12/08/21 09:15	12/09/21 15:54	
Anthracene	ND		0.52	0.035	ug/L		12/08/21 09:15	12/09/21 15:54	
	ND		0.52	0.077	ug/L		12/08/21 09:15	12/09/21 15:54	
Chrysene			0.52	0.011			10/00/01 00 15	10/00/01 15-54	
•	ND		0.52	0.083	ug/L		12/08/21 09:15	12/09/21 15:54	
Fluoranthene					-			12/09/21 15:54 12/09/21 15:54	
Chrysene Fluoranthene Fluorene <mark>Naphthalene</mark>	ND	J	0.52	0.083	ug/L			12/09/21 15:54	
Fluoranthene Fluorene <mark>Naphthalene</mark>	ND ND	J	0.52 0.52	0.083 0.060	ug/L ug/L		12/08/21 09:15	12/09/21 15:54 12/09/21 15:54	
Fluoranthene Fluorene <mark>Naphthalene</mark> Phenanthrene	ND ND 0.94	J	0.52 0.52 1.0	0.083 0.060 0.067	ug/L ug/L ug/L		12/08/21 09:15 12/08/21 09:15	12/09/21 15:54 12/09/21 15:54 12/09/21 15:54	
Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate	ND ND 0.94 ND ND		0.52 0.52 1.0 0.21 0.52 Limits	0.083 0.060 0.067 0.065	ug/L ug/L ug/L		12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 Prepared	12/09/21 15:54 12/09/21 15:54 12/09/21 15:54 12/09/21 15:54 Analyzed	Dil Fa
Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl	ND ND 0.94 ND ND %Recovery 89		0.52 0.52 1.0 0.21 0.52 <u>Limits</u> 37 - 120	0.083 0.060 0.067 0.065	ug/L ug/L ug/L		12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 Prepared 12/08/21 09:15	12/09/21 15:54 12/09/21 15:54 12/09/21 15:54 12/09/21 15:54 Analyzed 12/09/21 15:54	Dil Fa
Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl	ND ND 0.94 ND ND ND 89 63	Qualifier	0.52 0.52 1.0 0.21 0.52 Limits	0.083 0.060 0.067 0.065	ug/L ug/L ug/L		12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 Prepared 12/08/21 09:15 12/08/21 09:15	12/09/21 15:54 12/09/21 15:54 12/09/21 15:54 12/09/21 15:54 Analyzed 12/09/21 15:54 12/09/21 15:54	Dil Fa
Fluoranthene Fluorene	ND ND 0.94 ND ND %Recovery 89	Qualifier	0.52 0.52 1.0 0.21 0.52 <u>Limits</u> 37 - 120	0.083 0.060 0.067 0.065	ug/L ug/L ug/L		12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 Prepared 12/08/21 09:15	12/09/21 15:54 12/09/21 15:54 12/09/21 15:54 12/09/21 15:54 Analyzed 12/09/21 15:54 12/09/21 15:54	Dil Fa
Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene Surrogate 2-Fluorobiphenyl Nitrobenzene-d5 (Surr)	ND ND 0.94 ND ND ND 89 63	Qualifier	0.52 0.52 1.0 0.21 0.52 <u>Limits</u> 37 - 120 26 - 120	0.083 0.060 0.067 0.065	ug/L ug/L ug/L		12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 12/08/21 09:15 Prepared 12/08/21 09:15 12/08/21 09:15	12/09/21 15:54 12/09/21 15:54 12/09/21 15:54 12/09/21 15:54 Analyzed 12/09/21 15:54 12/09/21 15:54	Dil Fa

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

Client Sample ID: PY-MW4S-120421 Date Collected: 12/04/21 14:15 Date Received: 12/07/21 11:30

Eurofins TestAmerica, Buffalo

Lab Sample ID: 480-193120-7

Job ID: 480-193120-1

5 6

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Matrix: Water

Client Sample ID: PY-MW3A-120621

Job ID: 480-193120-1

5

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Lab Sample ID: 480-193120-9 **Matrix: Water**

Date Collected: 12/06/21 13:00 Date Received: 12/07/21 11:30

Result Qual	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
81	1.0	0.41	ug/L			12/08/21 17:27	1
22	1.0	0.74	ug/L			12/08/21 17:27	1
0.73 J	1.0	0.51	ug/L			12/08/21 17:27	1
14	2.0	0.66	ug/L			12/08/21 17:27	1
%Recovery Qual	lifier Limits				Prepared	Analyzed	Dil Fac
	81 22 0.73 J 14	81 1.0 22 1.0 0.73 J 1.0 14 2.0	81 1.0 0.41 22 1.0 0.74 0.73 J 1.0 0.51 14 2.0 0.66	81 1.0 0.41 ug/L 22 1.0 0.74 ug/L 0.73 J 1.0 0.51 ug/L 14 2.0 0.66 ug/L	81 1.0 0.41 ug/L 22 1.0 0.74 ug/L 0.73 J 1.0 0.51 ug/L 14 2.0 0.66 ug/L	81 1.0 0.41 ug/L 22 1.0 0.74 ug/L 0.73 J 1.0 0.51 ug/L 14 2.0 0.66 ug/L	81 1.0 0.41 ug/L 12/08/21 17:27 22 1.0 0.74 ug/L 12/08/21 17:27 0.73 J 1.0 0.51 ug/L 12/08/21 17:27 14 2.0 0.66 ug/L 12/08/21 17:27

	1,2-Dichloroethane-d4 (Surr)	106	 77 - 120	12/08/21 17:27	1	
	4-Bromofluorobenzene (Surr)	108	73 - 120	12/08/21 17:27	1	
	Dibromofluoromethane (Surr)	110	75 - 123	12/08/21 17:27	1	
I	Toluene-d8 (Surr)	98	80 - 120	12/08/21 17:27	1	

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Acenaphthene	ND		0.53	0.038	ug/L		12/08/21 09:15	12/09/21 16:21	1	
Acenaphthylene	0.16	J	0.32	0.060	ug/L		12/08/21 09:15	12/09/21 16:21	1	
Anthracene	ND		0.53	0.036	ug/L		12/08/21 09:15	12/09/21 16:21	1	
Chrysene	ND		0.53	0.079	ug/L		12/08/21 09:15	12/09/21 16:21	1	
Fluoranthene	ND		0.53	0.085	ug/L		12/08/21 09:15	12/09/21 16:21	1	
Fluorene	ND		0.53	0.062	ug/L		12/08/21 09:15	12/09/21 16:21	1	
Naphthalene	2.9		1.1	0.068	ug/L		12/08/21 09:15	12/09/21 16:21	1	
Phenanthrene	ND		0.21	0.066	ug/L		12/08/21 09:15	12/09/21 16:21	1	
Pyrene	ND		0.53	0.081	ug/L		12/08/21 09:15	12/09/21 16:21	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
2-Fluorobiphenyl	75		37 - 120				12/08/21 09:15	12/09/21 16:21	1	
Nitrobenzene-d5 (Surr)	59		26 - 120				12/08/21 09:15	12/09/21 16:21	1	
p-Terphenyl-d14	39	S1-	64 - 127				12/08/21 09:15	12/09/21 16:21	1	
_ General Chemistry										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	

Cyanide, Total 0.025 **Client Sample ID: TRIP BLANKS**

Date Collected: 12/07/21 00:00

Date Received: 12/07/21 11:30

Method: 8260C - Volatile O	rganic Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/08/21 17:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/21 17:50	1
Toluene	ND		1.0	0.51	ug/L			12/08/21 17:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/21 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120					12/08/21 17:50	1
4-Bromofluorobenzene (Surr)	107		73 - 120					12/08/21 17:50	1
Dibromofluoromethane (Surr)	122		75 - 123					12/08/21 17:50	1
Toluene-d8 (Surr)	98		80 - 120					12/08/21 17:50	1

0.010

0.0050 mg/L

12/08/21 10:32 12/08/21 11:38

Lab Sample ID: 480-193120-10

1

Matrix: Water

Surrogate Summary

Matrix: Water

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

Prep Type: Total/NA

Prep Type: Total/NA

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_			Pe	ercent Surro	ogate Reco
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-193120-1	PY-MW2D-120221	104	106	112	97
480-193120-1 MS	PY-MW2D-120221	99	101	110	98
480-193120-1 MSD	PY-MW2D-120221	103	107	108	101
480-193120-2	PY-MW2S-120221	104	103	113	96
480-193120-3	PY-MW1-120321	109	104	112	95
480-193120-4	PY-DUP-120321	105	106	115	98
480-193120-5	PY-MW6-120321	101	106	109	98
480-193120-6	PY-MW4D-120421	106	104	114	95
480-193120-7	PY-MW4S-120421	113	108	112	98
480-193120-8	PY-EB-120521	106	106	118	98
480-193120-9	PY-MW3A-120621	106	108	110	98
480-193120-10	TRIP BLANKS	104	107	122	98
LCS 480-607966/6	Lab Control Sample	106	104	109	98
MB 480-607966/8	Method Blank	101	103	111	97
Surrogate Legend					
DCA = 1,2-Dichloroeth	ane-d4 (Surr)				
BFB = 4-Bromofluorob	enzene (Surr)				
DBFM = Dibromofluoro	omethane (Surr)				

TOL = Toluene-d8 (Surr)

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level Matrix: Water

_			P	ercent Surre
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(37-120)	(26-120)	(64-127)
480-193120-1	PY-MW2D-120221	109	89	99
480-193120-1 MS	PY-MW2D-120221	98	86	72
480-193120-1 MSD	PY-MW2D-120221	98	81	75
480-193120-2	PY-MW2S-120221	113	94	110
480-193120-3	PY-MW1-120321	107	87	91
480-193120-4	PY-DUP-120321	109	91	99
480-193120-5	PY-MW6-120321	101	85	89
480-193120-6	PY-MW4D-120421	105	86	71
480-193120-7	PY-MW4S-120421	95	71	71
480-193120-7 - DL	PY-MW4S-120421	0 S1-	0 S1-	0 S1-
480-193120-8	PY-EB-120521	89	63	75
480-193120-9	PY-MW3A-120621	75	59	39 S1-
LCS 480-607957/2-A	Lab Control Sample	100	84	100
MB 480-607957/1-A	Method Blank	101	83	104

Surrogate Legend

FBP = 2-Fluorobiphenyl NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14

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

MR MR

QC Sample Results

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Lab Sample ID: MB 480-607966/8 **Matrix: Water**

Analysis Batch: 607966

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/08/21 13:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/21 13:21	1
Toluene	ND		1.0	0.51	ug/L			12/08/21 13:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/21 13:21	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101	77 - 120		12/08/21 13:21	1
4-Bromofluorobenzene (Surr)	103	73 - 120		12/08/21 13:21	1
Dibromofluoromethane (Surr)	111	75 - 123		12/08/21 13:21	1
Toluene-d8 (Surr)	97	80 - 120		12/08/21 13:21	1

Lab Sample ID: LCS 480-607966/6 Matrix: Water

Analysis Batch: 607966

-	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene		26.6		ug/L		107	71_124	
Ethylbenzene	25.0	27.4		ug/L		109	77 - 123	
Toluene	25.0	27.1		ug/L		108	80 - 122	
Xvlenes. Total	50.0	57.4		ua/L		115	76 - 122	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	109		75 - 123
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: 480-193120-1 MS Matrix: Water Analysis Batch: 607966

Analysis Batch: 007900									
	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	ND		25.0	29.8		ug/L		119	71 - 124
Ethylbenzene	ND		25.0	29.4		ug/L		118	77 - 123
Toluene	ND		25.0	29.9		ug/L		120	80 - 122
Xylenes, Total	ND	F1	50.0	60.3		ug/L		121	76 - 122
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	99		77 - 120						
4-Bromofluorobenzene (Surr)	101		73 - 120						
Dibromofluoromethane (Surr)	110		75_123						
Toluene-d8 (Surr)	98		80 - 120						

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client Sample ID: PY-MW2D-120221

Prep Type: Total/NA

8

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

Lab Sample ID: 480-193120-1 MSD Client Sample ID: PY-MW2D-120221 **Matrix: Water** Prep Type: Total/NA Analysis Batch: 607966 RPD Sample Sample Spike MSD MSD %Rec. Analyte **Result Qualifier** Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene ND 25.0 28.6 ug/L 114 71 - 124 4 13 Ethylbenzene ND 25.0 30.1 ug/L 120 77 - 123 2 15 ND 25.0 Toluene 30.3 ug/L 121 80 - 122 15 1 Xylenes, Total ND F1 50.0 62.0 F1 124 76 - 122 16 ug/L 3 MSD MSD Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 103 77 - 120 4-Bromofluorobenzene (Surr) 107 73 - 120 Dibromofluoromethane (Surr) 108 75 - 123 Toluene-d8 (Surr) 101 80 - 120

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 480-607957/1-A Matrix: Water Analysis Batch: 608159

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.036	ug/L		12/08/21 09:15	12/09/21 10:53	1
Acenaphthylene	ND		0.30	0.056	ug/L		12/08/21 09:15	12/09/21 10:53	1
Anthracene	ND		0.50	0.034	ug/L		12/08/21 09:15	12/09/21 10:53	1
Chrysene	ND		0.50	0.074	ug/L		12/08/21 09:15	12/09/21 10:53	1
Fluoranthene	ND		0.50	0.080	ug/L		12/08/21 09:15	12/09/21 10:53	1
Fluorene	ND		0.50	0.058	ug/L		12/08/21 09:15	12/09/21 10:53	1
Naphthalene	ND		1.0	0.064	ug/L		12/08/21 09:15	12/09/21 10:53	1
Phenanthrene	ND		0.20	0.062	ug/L		12/08/21 09:15	12/09/21 10:53	1
Pyrene	ND		0.50	0.076	ug/L		12/08/21 09:15	12/09/21 10:53	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	101		37 - 120				12/08/21 09:15	12/09/21 10:53	1
Nitrobenzene-d5 (Surr)	83		26 - 120				12/08/21 09:15	12/09/21 10:53	1
p-Terphenyl-d14	104		64 - 127				12/08/21 09:15	12/09/21 10:53	1

Lab Sample ID: LCS 480-607957/2-A Matrix: Water Analysis Batch: 608159

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 607957

Prep Batch: 607957

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acenaphthene	8.00	7.88		ug/L		99	62 - 120
Acenaphthylene	8.00	7.52		ug/L		94	57 - 120
Anthracene	8.00	8.24		ug/L		103	65 - 123
Chrysene	8.00	7.58		ug/L		95	75 - 120
Fluoranthene	8.00	8.76		ug/L		109	74 - 133
Fluorene	8.00	8.19		ug/L		102	64 - 120
Naphthalene	8.00	7.54		ug/L		94	40 - 138
Phenanthrene	8.00	8.18		ug/L		102	71 - 122
Pyrene	8.00	7.92		ug/L		99	65 - 126

QC Sample Results

Prep Type: Total/NA

Prep Batch: 607957

%Rec.

Limits

95

91

96

66

82

97

93

94

83

ug/L

35 - 125

43 - 141

65 - 123

66 - 144

63 - 146

54 - 137

25 - 138

60 - 143

65 - 139

8

13

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued) Lab Sample ID: LCS 480-607957/2-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA Analysis Batch: 608159 Prep Batch: 607957 LCS LCS %Recovery Qualifier Surrogate Limits 2-Fluorobiphenyl 100 37 - 120 Nitrobenzene-d5 (Surr) 84 26 - 120 p-Terphenyl-d14 100 64 - 127 Lab Sample ID: 480-193120-1 MS Client Sample ID: PY-MW2D-120221

Matrix: Water Analysis Batch: 608159 Sample Sample Spike MS MS Analyte **Result Qualifier** Added Result Qualifier Unit D %Rec ND 8.00 Acenaphthene 7.62 ug/L Acenaphthylene ND 8.00 7.26 ug/L Anthracene ND 8.00 7.71 ug/L Chrysene ND F2 F1 8.00 5.24 ug/L Fluoranthene ND 8.00 6.54 ug/L Fluorene ND 8.00 7.74 ug/L ND 8.00 Naphthalene 7.42 ug/L Phenanthrene ND 8.00 7.53 ug/L

8.00

6.64

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	98		37 - 120
Nitrobenzene-d5 (Surr)	86		26 - 120
p-Terphenyl-d14	72		64 - 127

ND

81

75

Lab Sample ID: 480-193120-1 MSD **Matrix: Water**

Nitrobenzene-d5 (Surr)

p-Terphenyl-d14

Pyrene

Analysis Batch: 608159									Prep Ba	atch: 60)7957
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	ND		7.62	7.10		ug/L		93	35 - 125	7	24
Acenaphthylene	ND		7.62	6.88		ug/L		90	43 - 141	5	18
Anthracene	ND		7.62	7.13		ug/L		94	65 - 123	8	15
Chrysene	ND	F2 F1	7.62	4.13	F2 F1	ug/L		54	66 - 144	24	15
Fluoranthene	ND		7.62	6.95		ug/L		91	63 - 146	6	15
Fluorene	ND		7.62	7.35		ug/L		96	54 - 137	5	15
Naphthalene	ND		7.62	6.68		ug/L		88	25 - 138	11	29
Phenanthrene	ND		7.62	6.97		ug/L		92	60 - 143	8	15
Pyrene	ND		7.62	6.72		ug/L		88	65 - 139	1	19
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
2-Fluorobiphenyl	98		37 - 120								

26 - 120

64 - 127

Client Sample ID: PY-MW2D-120221
Prep Type: Total/NA

QC Sample Results

Job ID: 480-193120-1

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-607	7986/1-A									Clie	ent Samp	ole ID: Metl		
Matrix: Water												Prep Type	: Tot	tal/N
Analysis Batch: 608007												Prep Batc	h: 6	<mark>0798</mark>
		MB	MB											
Analyte	Re	sult	Qualifier		RL	r	MDL Un	it	D	P	repared	Analyzed		Dil Fa
Cyanide, Total		ND			0.010	0.0	0050 mg	J/L		12/0	8/21 10:32	12/08/21 11:	14	
Lab Sample ID: LCS 480-60	7986/2-A							C	lient	Sar	nple ID:	Lab Contro	ol Sa	ampl
Matrix: Water												Prep Type		
Analysis Batch: 608007												Prep Batc	h: 6	0798
-				Spike		LCS	LCS					%Rec.		
Analyte				Added		Result	Qualifie	er Unit		D	%Rec	Limits		
Cyanide, Total				0.400		0.401		mg/L			100	90 - 110		
Lab Sample ID: LCS 480-60)7986/3-A							C	lient	Sar	nple ID:	Lab Contro	ol Sa	ampl
Matrix: Water												Prep Type	: Tot	tal/N
Analysis Batch: 608007												Prep Batc	h: 6	<mark>0798</mark>
-				Spike		LCS	LCS					%Rec.		
Analyte				Added		Result	Qualifie	er Unit		D	%Rec	Limits		
Cyanide, Total				0.250		0.243		mg/L			97	90 - 110		
Lab Sample ID: MB 480-608	3004/1-A									Clie	ent Samp	ole ID: Metl	nod	Blan
Matrix: Water												Prep Type	: Tot	tal/N
Analysis Batch: 608047												Prep Batc	h: 6	0800
		MB	MB											
Analyte	Re	sult	Qualifier		RL		MDL Un		D	P	repared	Analyzed		Dil Fa
Cyanide, Total		ND			0.010	0.0	0050 mg	J/L		12/0	8/21 11:36	12/08/21 13	10	
Lab Sample ID: LCS 480-60	8004/2-A							C	lient	Sar	nple ID:	Lab Contro	ol Sa	ampl
Matrix: Water												Prep Type		
Analysis Batch: 608047												Prep Batc	h: 6	0800
-				Spike		LCS	LCS					%Rec.		
Analyte				Added		Result	Qualifie	er Unit		D	%Rec	Limits		
Cyanide, Total				0.250		0.254		mg/L			102	90 - 110		
Lab Sample ID: 480-193120	-1 MS								Clie	ent S	Sample I	D: PY-MW2	D-12	2022
Matrix: Water												Prep Type	: Tot	tal/N
Analysis Batch: 608047												Prep Batc	h: 6	0800
	Sample	Sam	ple	Spike		MS	MS					%Rec.		
Analyte	Result	Qual	ifier	Added		Result	Qualifie	er Unit		D	%Rec	Limits		
Cyanide, Total	0.0074	J		0.100		0.110		mg/L			103	90 - 110		
Lab Sample ID: 480-193120	-1 MSD								Clie	ent S	Sample I	D: PY-MW2	D-1	2022
Matrix: Water												Prep Type	: Tot	tal/N
												Prep Batc	h: 6	0800
Analysis Batch: 608047												··-		
Analysis Batch: 608047	Sample	Sam	ple	Spike		MSD	MSD					%Rec.		RP
Analysis Batch: 608047 Analyte Cyanide, Total	Sample Result	Qual		Spike Added			MSD Qualifie	er Unit		D	%Rec		RPD	RP Lim

QC Association Summary

Prep Type

Total/NA

Matrix

Water

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

Client Sample ID

PY-MW2D-120221

PY-MW2S-120221

PY-MW1-120321

PY-DUP-120321

PY-MW6-120321

PY-MW4D-120421

PY-MW4S-120421

PY-MW3A-120621

Lab Control Sample

PY-MW2D-120221

PY-MW2D-120221

PY-EB-120521

TRIP BLANKS

Method Blank

Job ID: 480-193120-1

Prep Batch

Method

8260C

6 7 8 9 ... 10

GC/MS Semi VOA

GC/MS VOA

Lab Sample ID

480-193120-1

480-193120-2

480-193120-3

480-193120-4

480-193120-5

480-193120-6

480-193120-7

480-193120-8

480-193120-9

480-193120-10

MB 480-607966/8

LCS 480-607966/6

480-193120-1 MS

480-193120-1 MSD

Analysis Batch: 607966

Prep Batch: 607957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-193120-1	PY-MW2D-120221	Total/NA	Water	3510C	
480-193120-2	PY-MW2S-120221	Total/NA	Water	3510C	
480-193120-3	PY-MW1-120321	Total/NA	Water	3510C	
480-193120-4	PY-DUP-120321	Total/NA	Water	3510C	
480-193120-5	PY-MW6-120321	Total/NA	Water	3510C	
480-193120-6	PY-MW4D-120421	Total/NA	Water	3510C	
480-193120-7	PY-MW4S-120421	Total/NA	Water	3510C	
480-193120-7 - DL	PY-MW4S-120421	Total/NA	Water	3510C	
480-193120-8	PY-EB-120521	Total/NA	Water	3510C	
480-193120-9	PY-MW3A-120621	Total/NA	Water	3510C	
MB 480-607957/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-607957/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-193120-1 MS	PY-MW2D-120221	Total/NA	Water	3510C	
480-193120-1 MSD	PY-MW2D-120221	Total/NA	Water	3510C	

Analysis Batch: 608159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-193120-1	PY-MW2D-120221	Total/NA	Water	8270D LL	607957
480-193120-2	PY-MW2S-120221	Total/NA	Water	8270D LL	607957
480-193120-3	PY-MW1-120321	Total/NA	Water	8270D LL	607957
480-193120-4	PY-DUP-120321	Total/NA	Water	8270D LL	607957
480-193120-5	PY-MW6-120321	Total/NA	Water	8270D LL	607957
480-193120-6	PY-MW4D-120421	Total/NA	Water	8270D LL	607957
480-193120-7	PY-MW4S-120421	Total/NA	Water	8270D LL	607957
480-193120-8	PY-EB-120521	Total/NA	Water	8270D LL	607957
480-193120-9	PY-MW3A-120621	Total/NA	Water	8270D LL	607957
MB 480-607957/1-A	Method Blank	Total/NA	Water	8270D LL	607957
LCS 480-607957/2-A	Lab Control Sample	Total/NA	Water	8270D LL	607957
480-193120-1 MS	PY-MW2D-120221	Total/NA	Water	8270D LL	607957
480-193120-1 MSD	PY-MW2D-120221	Total/NA	Water	8270D LL	607957

QC Association Summary

Client: New York State Electric & Gas Project/Site: NYSEG Former MGP Site - Penn Yan Job ID: 480-193120-1

5

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GC/MS Semi VOA

Analysis Batch: 608347

480-193120-7 - DL PY-MW4S-120421 Total/NA Water 8270D LL 607957	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	480-193120-7 - DL	PY-MW4S-120421	Total/NA	Water	8270D LL	607957

General Chemistry

Prep Batch: 607986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-193120-2	PY-MW2S-120221	Total/NA	Water	9012B	
480-193120-3	PY-MW1-120321	Total/NA	Water	9012B	
480-193120-4	PY-DUP-120321	Total/NA	Water	9012B	
480-193120-5	PY-MW6-120321	Total/NA	Water	9012B	
480-193120-6	PY-MW4D-120421	Total/NA	Water	9012B	
480-193120-7	PY-MW4S-120421	Total/NA	Water	9012B	
480-193120-8	PY-EB-120521	Total/NA	Water	9012B	
480-193120-9	PY-MW3A-120621	Total/NA	Water	9012B	
MB 480-607986/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-607986/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-607986/3-A	Lab Control Sample	Total/NA	Water	9012B	

Prep Batch: 608004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-193120-1	PY-MW2D-120221	Total/NA	Water	9012B	1
MB 480-608004/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-608004/2-A	Lab Control Sample	Total/NA	Water	9012B	
480-193120-1 MS	PY-MW2D-120221	Total/NA	Water	9012B	
480-193120-1 MSD	PY-MW2D-120221	Total/NA	Water	9012B	

Analysis Batch: 608007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-193120-2	PY-MW2S-120221	Total/NA	Water	9012B	607986
480-193120-3	PY-MW1-120321	Total/NA	Water	9012B	607986
480-193120-4	PY-DUP-120321	Total/NA	Water	9012B	607986
480-193120-5	PY-MW6-120321	Total/NA	Water	9012B	607986
480-193120-6	PY-MW4D-120421	Total/NA	Water	9012B	607986
480-193120-7	PY-MW4S-120421	Total/NA	Water	9012B	607986
480-193120-8	PY-EB-120521	Total/NA	Water	9012B	607986
480-193120-9	PY-MW3A-120621	Total/NA	Water	9012B	607986
MB 480-607986/1-A	Method Blank	Total/NA	Water	9012B	607986
LCS 480-607986/2-A	Lab Control Sample	Total/NA	Water	9012B	607986
LCS 480-607986/3-A	Lab Control Sample	Total/NA	Water	9012B	607986

Analysis Batch: 608047

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
480-193120-1	PY-MW2D-120221	Total/NA	Water	9012B	608004
MB 480-608004/1-A	Method Blank	Total/NA	Water	9012B	608004
LCS 480-608004/2-A	Lab Control Sample	Total/NA	Water	9012B	608004
480-193120-1 MS	PY-MW2D-120221	Total/NA	Water	9012B	608004
480-193120-1 MSD	PY-MW2D-120221	Total/NA	Water	9012B	608004

Lab Sample ID: 480-193120-1 Matrix: Water 4 Analyst Lab

Lab Sample ID: 480-193120-3

Lab Sample ID: 480-193120-4

Lab Sample ID: 480-193120-5

Lab Sample ID: 480-193120-2

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

_ 1

Client Sample ID: PY-MW2D-120221 Date Collected: 12/02/21 13:45 Date Received: 12/07/21 11:30

Prep Type Total/NA	Batch Type Analysis	Batch Method 8260C	Run	Dilution Factor 1	Batch Number 607966	Prepared or Analyzed 12/08/21 14:21	Analyst CRL	Lab TAL BUF
Total/NA Total/NA	Prep Analysis	3510C 8270D LL		1	607957 608159	12/08/21 09:15 12/09/21 12:42		TAL BUF TAL BUF
Total/NA Total/NA	Prep Analysis	9012B 9012B		1	608004 608047	12/08/21 11:36 12/08/21 13:15		TAL BUF TAL BUF

Client Sample ID: PY-MW2S-120221 Date Collected: 12/02/21 16:30 Date Received: 12/07/21 11:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607966	12/08/21 14:44	CRL	TAL BUF
Total/NA	Prep	3510C			607957	12/08/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8270D LL		1	608159	12/09/21 13:10	JMM	TAL BUF
Total/NA	Prep	9012B			607986	12/08/21 10:32	RJM	TAL BUF
Total/NA	Analysis	9012B		1	608007	12/08/21 11:25	JGO	TAL BUF

Client Sample ID: PY-MW1-120321 Date Collected: 12/03/21 12:30 Date Received: 12/07/21 11:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C			607966	12/08/21 15:09	CRL	TAL BUF
Total/NA	Prep	3510C			607957	12/08/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8270D LL		1	608159	12/09/21 13:37	JMM	TAL BUF
Total/NA	Prep	9012B			607986	12/08/21 10:32	RJM	TAL BUF
Total/NA	Analysis	9012B		1	608007	12/08/21 11:27	JGO	TAL BUF

Client Sample ID: PY-DUP-120321 Date Collected: 12/03/21 00:00 Date Received: 12/07/21 11:30

Batch Batch Dilution Batch Prepared Method Number Prep Type Туре Run Factor or Analyzed Analyst Lab Total/NA 8260C 607966 12/08/21 15:32 CRL Analysis TAL BUF 1 Total/NA 3510C 607957 12/08/21 09:15 JMP Prep TAL BUF Total/NA Analysis 8270D LL 608159 12/09/21 14:04 JMM TAL BUF 1 Total/NA Prep 9012B 607986 12/08/21 10:32 RJM TAL BUF Total/NA 9012B 608007 12/08/21 11:31 JGO TAL BUF Analysis 1

Client Sample ID: PY-MW6-120321 Date Collected: 12/03/21 14:45 Date Received: 12/07/21 11:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607966	12/08/21 15:55	CRL	TAL BUF

Matrix: Water

Lab Sample ID: 480-193120-5

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Lab Sample ID: 480-193120-6 Matrix: Water

Lab Sample ID: 480-193120-7

Lab Sample ID: 480-193120-8

Matrix: Water

Matrix: Water

Client Sample ID: PY-MW6-120321 Date Collected: 12/03/21 14:45 Date Received: 12/07/21 11:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			607957	12/08/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8270D LL		1	608159	12/09/21 14:32	JMM	TAL BUF
Total/NA	Prep	9012B			607986	12/08/21 10:32	RJM	TAL BUF
Total/NA	Analysis	9012B		1	608007	12/08/21 11:33	JGO	TAL BUF

Client Sample ID: PY-MW4D-120421 Date Collected: 12/04/21 13:00 Date Received: 12/07/21 11:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607966	12/08/21 16:18	CRL	TAL BUF
Total/NA	Prep	3510C			607957	12/08/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8270D LL		1	608159	12/09/21 14:59	JMM	TAL BUF
Total/NA	Prep	9012B			607986	12/08/21 10:32	RJM	TAL BUF
Total/NA	Analysis	9012B		1	608007	12/08/21 11:34	JGO	TAL BUF

Client Sample ID: PY-MW4S-120421 Date Collected: 12/04/21 14:15 Date Received: 12/07/21 11:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	607966	12/08/21 16:41	CRL	TAL BUF
Total/NA	Prep	3510C			607957	12/08/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8270D LL		5	608159	12/09/21 15:26	JMM	TAL BUF
Total/NA	Prep	3510C	DL		607957	12/08/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8270D LL	DL	400	608347	12/10/21 11:05	JMM	TAL BUF
Total/NA	Prep	9012B			607986	12/08/21 10:32	RJM	TAL BUF
Total/NA	Analysis	9012B		1	608007	12/08/21 11:35	JGO	TAL BUF

Client Sample ID: PY-EB-120521

Date Collected: 12/05/21 13:00 Date Received: 12/07/21 11:30

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607966	12/08/21 17:04	CRL	TAL BUF
Total/NA	Prep	3510C			607957	12/08/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8270D LL		1	608159	12/09/21 15:54	JMM	TAL BUF
Total/NA	Prep	9012B			607986	12/08/21 10:32	RJM	TAL BUF
Total/NA	Analysis	9012B		1	608007	12/08/21 11:37	JGO	TAL BUF

Client Sample ID: PY-MW3A-120621

Lab Sample ID: 480-193120-9 Matrix: Water

Date Collected: 12/06/21 13:00 Date Received: 12/07/21 11:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607966	12/08/21 17:27	CRL	TAL BUF
Total/NA	Prep	3510C			607957	12/08/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8270D LL		1	608159	12/09/21 16:21	JMM	TAL BUF
Total/NA	Prep	9012B			607986	12/08/21 10:32	RJM	TAL BUF
Total/NA	Analysis	9012B		1	608007	12/08/21 11:38	JGO	TAL BUF
lient Sam	ple ID: TRI	P BLANKS				L	.ab Sar	nple ID: 480-193120
	d: 12/07/21 0							Matrix: Wa
	d: 12/07/21 1							
				B H <i>4</i>	Batch	Prepared		
	Batch	Batch		Dilution	Datch	riepareu		
Prep Type	Batch Type	Batch Method	Run	Factor	Number	or Analyzed	Analyst	Lab

Laboratory References:

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

12/14/2021

Laboratory: Eurofins TestAmerica, Buffalo The accreditations/certifications listed below are applicable to this report.									
uthority	Program	Identification Number	Expiration Date						
lew York	NELAP	10026	04-01-22						

Accreditation/Certification Summary

Client: New York State Electric & Gas Proj

Job ID: 480-193120-1

Method Summary

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

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job	ID:	480-	1931	20-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-193120-1	PY-MW2D-120221	Water	12/02/21 13:45	12/07/21 11:30
180-193120-2	PY-MW2S-120221	Water	12/02/21 16:30	12/07/21 11:30
80-193120-3	PY-MW1-120321	Water	12/03/21 12:30	12/07/21 11:30
80-193120-4	PY-DUP-120321	Water	12/03/21 00:00	12/07/21 11:30
80-193120-5	PY-MW6-120321	Water	12/03/21 14:45	12/07/21 11:30
80-193120-6	PY-MW4D-120421	Water	12/04/21 13:00	12/07/21 11:30
30-193120-7	PY-MW4S-120421	Water	12/04/21 14:15	12/07/21 11:30
80-193120-8	PY-EB-120521	Water	12/05/21 13:00	12/07/21 11:30
80-193120-9	PY-MW3A-120621	Water	12/06/21 13:00	12/07/21 11:30
80-193120-10	TRIP BLANKS	Water	12/07/21 00:00	12/07/21 11:30

Controlins Environment Testing America	COC No: 480-168114-36782 1			odes	A - HCL M - Hexane B - NaOH N - None	C - Cn Acetate O - AsNaO2 D - Nirc Acid P - Na2SO3 E - NaHSO4 Q - Na2SO3	F - MeOH R - Na25203 G - Amchlor S - H2S04	H - Ascorbic Acid I - Ice .I - DI Water	K - EDA	Other:	tal Number C	P Special Instructions/Note:	Nea	Mean 7- Day		Puplicate				Equip Blank				480-193120 Chain of Custody	Aboreno	×4	16/21 P. M. Compose Rox	Compe)	-1 2, 9, 3, 5, 3,7	5 6
	Carrier Tracking No(s)	Str	Jalveie Dogioctod				Saup				12B - Cyanide					××		××	××					Sample Disposal (A fee may be assessed if sai 1000		Method of Shipm	d by FLOEX DateTime:	Mula Date	d by: Da e/Time:	Cooler Temperature(s) "C and Other Remarks	9 10 11 12 13 14
Chain of Custody Record	LILLE USCHOVE, John R	Martin 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	DWSID:	NYSEG	YN Y	ON V SC		(0)	a or A	ev) as	Sample Type le (C=comp,	28 ×	13:45 G Water MYXX		2:30 G Water WWX X	1	12	0		50	13:00 G Water NWXX	Water WX	Water	Radiological	Deliverable	μ	P. M. Company - Val	Company Received by	Company Received by	Cooler Tr	15
		Proper Le K. /		Due Date Requested:	TAT Requested (days)	Compliance Project:	PO #: 4505616925			500 314L		Sample Date	0221 12/2/21	21 12/2/21	0321 12/3/211	21 12/3/21	1321 12/3/21	12/1/21 12	12/1/21 12 402	12/5/21	12/9/21 12/9/21			Skin Irritant Doison B Unknown	Catego	1 0	M.74 Date 12/6/21	Date/Time:	Date/Time:	al No.:	
u Hazelwood Drive Amherst. NY 1428-2298 Phone: 716-691-2600 Fax: 716-691-7991	Client Information	Mr. Tracy Blazicek	Company: New York State Electric & Gas	Address: PO BOX 5224	City: Binghamton	State. Zip: NY, 13902	Phone: 585-484-6839(Tel)	Email: tlblazicek@nyseg.com	bite	Sile Perhan 3 acks on	Samole Identification		- 02MW -1	Y-MW 25-	51	- DUP - 1	1	-OHMU-	Y-INWHS-	V - MI 12 N	- 40	Trip Blank	¹ ossible Hazard Identification	Non-Hazard Flammable	eliverable Requested: I, II, III, IV, Other (specify)	mpty Kit Relinquished by:	inquisted by Kyle K,	·		Custody Seals Intact: Custody Seal No.:	

Client: New York State Electric & Gas

Login Number: 193120 List Number: 1 Creator: Yeager, Brian A

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

List Source: Eurofins TestAmerica, Buffalo