

December 13, 2018

Mr. Salvatore F. Priore, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway
Albany, New York 12233-7014

Re: Report – 3rd Post Remediation Groundwater Sampling Event - September 2018

RG&E Front Street Former MGP Site

84 Andrews Street

City of Rochester, Monroe County, New York

NYSDEC Site #V00073-8

Dear Mr. Priore:

The purpose of this report is to present the results of the third post remediation groundwater sampling event completed at the Rochester Gas and Electric Corporation (RG&E) Front Street Former Manufactured Gas Plant (MGP) site (New York State Department of Environmental Conservation [NYSDEC] Site No. V00073-8), located at 84 Andrews Street in the City of Rochester, Monroe County, New York (referred to herein as the "Site"). The sampling event was completed by Neu-Velle, LLC. (NEU-VELLE) personnel in accordance with the Site Management Plan (SMP), dated May 2018, as described below.

SCOPE OF WORK

Synoptic Water Levels

As summarized in **Table 1**, a Site wide round of synoptic groundwater levels were gauged at the eight (8) remaining monitoring wells at the Site on September 18, 2018. The locations of the monitoring wells are depicted on the Monitoring Well Locations map provided as **Figure 1**. Each well was also 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**.

Groundwater Sampling

On September 18, 2018 through September 21, 2018 groundwater samples were collected for laboratory analysis from eight (8) groundwater monitoring wells (OW-102, MW-1, MW-1D, MW-2, MW-8S, MW-9S, MW-9D, and MW-10S). 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. Low-flow purging was conducted using an appropriately decontaminated stainless-steel bladder pump equipped with a polyethylene bladder and polyethylene tubing. A new, clean bladder and new, clean tubing were used at each groundwater monitoring well. 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 ground water sample log completed at each well. The ground water sample logs are provided as **Attachment A**.

Collection of Laboratory Samples

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

- Volatile Organic Compounds (VOCs), BTEX (benzene, toluene, ethylbenzene, and xylene) only, in accordance with USEPA Method 8260C,
- Semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs) only in accordance with USEPA Method 8270D,
- Total lead in accordance with USEPA Method 6010C.

In accordance with the Quality Assurance Project Plan (QAPP), provided with the SMP, appropriate chains of custody protocols were followed. Copies of the chain of custody forms are included in **Exhibit A**. Quality Assurance/Quality Control (QA/QC) samples were collected as described in the SMP and are summarized on **Table 2**.

Reporting of Results

Copies of the laboratory reports are presented in **Exhibit A** and the analytical results have been summarized in **Table 2** of this report.

Waste Disposal

Well purge water and decontamination water were containerized in a 55-gallon polyethylene drum staged at the Site. This wastewater will be properly disposed at a future date, with disposal documentation to be submitted to the NYSDEC under separate cover.

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 GA, standards, criteria and guidance values (SCGs).

The analytical results are summarized in **Table 2** and **Figure 3** as follows:

• BTEX, PAHs, and lead were not detected in any of the eight (8) wells that were sampled.

Groundwater Mapping

A groundwater elevation contour map was prepared based upon the water levels gauged at the Site on September 18, 2018. The groundwater contour map is provided as **Figure 2**. The Genesee River impoundment located adjacent (to the east) of the Site creates a ponding effect that generates hydraulic head pressure on the northern portion of the Site directing shallow groundwater flow away from the river to the west/southwest.

Due to a lack of measuring points on the southern portion of the Site, shallow groundwater flow in this vicinity could not be accurately depicted. Based on the static water levels measured in groundwater monitoring wells (OW-102 and MW-8S) on the southwest portion of the Site, shallow groundwater on the southern portion of the Site may flow to the east towards the Genesee River.

A groundwater contour map associated with the two deeper bedrock monitoring wells (MW-1D and MW-9D) was not produced due to limited data. The groundwater elevations gauged at MW-1D and MW-9D suggest that the bedrock groundwater flow is to the east/northeast.

CONCLUSIONS

This report presents the results of the third post remediation groundwater sampling event completed at the RG&E Front Street Former MGP site (NYSDEC Site No. V00073-8).

The third post remediation groundwater sampling event identified that BTEX, PAHs, and lead were not detected in any of the eight (8) wells that were sampled. A groundwater elevation contour map that was prepared based on the water levels gauged at the Site on September 18, 2018 demonstrates that the Genesee River impoundment located adjacent (to the east) of the Site creates a ponding effect that generates hydraulic head pressure on the northern portion of the Site directing shallow groundwater flow away from the river to the west/southwest. Shallow groundwater flow in the southern portion of the Site could not be accurately depicted; however, the two monitoring wells in the southwest portion of the Site may suggest shallow groundwater flows in this area to the east towards the Genesee River. A groundwater contour map associated with the two deeper bedrock monitoring wells, MW-1D and MW-9D, was not produced due to limited data. The groundwater elevations gauged at MW-1D and MW-9D suggest that the bedrock groundwater flow is to the east/northeast.

The post-remediation groundwater monitoring described in the SMP will continue (through spring of 2020) to assess whether the overall concentration in groundwater is stable, decreasing, or increasing over time.

Please feel free to contact me at any time at (585) 478-1666 with any questions you may have regarding this letter report, or contact Mr. Jeremy Wolf, RG&E's Project Manager for the project at (585) 500-8392.

Sincerely,

Kyle R. Miller, PG Neu-Velle, LLC

cc: Jeremy Wolf - RG&E

Attachments:

Attachment A – Groundwater Sample Logs

Exhibit A – Groundwater Laboratory Reports and Chain of Custody Forms

Figure 1 – Monitoring Well Locations

Figure 2 – September 2018 Shallow Groundwater Elevation Contours

Figure 3 – September 2018 Groundwater Analytical Detections

Table 1 – Monitoring Well Reference Data and Groundwater Measurements

Table 2 - Groundwater Sample Analytical Results

Attachment A
Groundwater Sampling Logs



NEU-VE	LLE, LLC			Low F	low Groun	d Water Sa	mpling Log	
Date	9/20 /2018	Perso	nnel	Kyle Mille	•	Weather	Sunny	60° F
Site Name	RG&E - Front Street	- Evacı	uation Method			- Well#	MW	· (
Site Location	Rochester, NY	- _ Samp	ling Method	Low Flow		- Project#	2018062)
ell informa	ition:							
Depth of Well	12	30 ft. 75 ft. P		* Measure	ments taken fror	n	- J	tush mit
Depth to Wat	er* \0,0	75 ft. P	repan	ρ	X	Top of Well Cas	61	
Length of Wa	ter Column	ft.	۷	•		Top of Protective	e Casing	
						(Other, Specify)		
Start Purge T	ime: 9,38	0						
Elapsed	Depth	I			Oxidation	Dissolved		
Time	To Water	Temperature		Conductivity	Reduction	Oxygen	Turbidity	Flow
()	1 ft 1570G	$(C^{\theta})_{\alpha}$, pH	WELCON)	Potential	(mg/l)	(NTU)	Rate (ml/min).
9.35	10.97	fr fr	lling	How-	TUCA	cell		1/50
9:40	NM	18.5	7, (19	(184	156	4.85	14.2	1
9:50	11.10	19.5	7,34	1.04	147.8	5.16	12,1	aller qui si con
9:55	11.20	19.60	7,42	1403	141.8	5.72	1100	
10:00	11.20	18.6	7,43	1.03	141.3	6,10	12.54	
10:05	11.21	19,7	7.51	1101	140.6	6.00	11.29	
10-10	1:22	18.7	7.48	0.99	140.4	5,79	9.79	
10:15	11:22	18.7	7.47	0.97	137,5	5.45	7.23	
10-75	((1097	1310	0.74	17717	2.73	7 # / /	
								V
<u></u> i								
End Purge Tim	ne: 10°Z	(O)			11		. 11 6	071 (1/
_					inno	-5-n	111-0	9018
Water sample Time collected	171 * 477.1			mercal of the			+/ 0.	C . 0
Time collected	<u>. () </u>			rotal volume of j	ourged water rem	ioved:	7-0"	9 <u>2</u> 018" 5 gal
							•	
Physical appea	arance at start				Physical appeara	ance at sampling	. ()	
(Color	Dev -				Color	Clear	
	Odor N	ONE				Odor	NON	
Sheen/Free Pr	oduct <u> </u>)			Sheen/Fre	e Product	No	
4/18	NO LNATU SU	N10.97	3 to C	! No	DNAFL	to tal	dock	12,3
Analytical Par				1		,		
Container S	ize Contain	er Type	# Collecte	d Field	Filtered [Preservativ	re I Co	ontainer pH
1/0	1 10	Δ	" Ochoole	1 1610	. 10	J. C		ланог ри
<u> </u>	MY VU	.(\\$			14/0	TC		
<u> </u>	a	mber	1			<u></u>		
250	mg l	10(-	1		-	HNC)	
		W **						

NEU-VEL	LE, LLC	•		Low F	low Groun	d Water Sa	mpling Log	
	9/ 19/2018	Perso	nnel	Kyle Mille		Weather	over (a)	,
Site Name	RG&E - Front Street	- Evacı	uation Method	i	***	- Well#	mw	
Site Location I	Rochester, NY	- Samp	ling Method	Low Flow	Bladder	- Project#	2018062)
ell informati	on:					lack	# 2342	
Depth of Well *	42.6	ft. ft.		* Measure	ments taken fron	LOCK	_	
Depth to Water	* 33.	19 ft. V	pun	0	X	Top of Well Cas	ing \mathcal{Z}''	
Length of Wate	er Column	ft.	, ,			Top of Protective	e Casing	
						(Other, Specify)		
Start Purge Tin	ne: 12:00							
Elapsed	Depth				Oxidation	Dissolved		
Time	To Water	Temperature	mU.	Conductivity (MS/Cm)	Reduction	Oxygen	Turbidity	Flow
12:05	ENIN	1 7	pH - thm	cell	Potential MV	(mg/l)	(NTU)	Rate (ml/min).
12:10	33,40	1 18.3	7.46	0.539	129.1	4,67	7.83	4-50
12:15	33.43	18.1	7.46	0.537	127,2	5.14	9.69	/
12:25	33.47	19.6	7.52	0,537	123.4	5.98	9,34	
12:30	33,48	17.7	7.64	0,538	105.7	6,23	10.98	
12:35	33,46	17.6	7.69	0,538	95.3	6.97	6.99	
12:45	33,48	17.5	7.73	0.539	88.2	7.93	4,95]
12:50	33,48	17:6	7.60	0,539	89.0	7,54	4,67	
			1		- V 1		(# \E : 1	
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							1944	
		telendra en		<u> </u>				
End Purge Time	: 12:5	· Δ	·	11 (6	- 11111	-0919	18"	
_	. 12)			F3-1	100 0			
Water sample: Time collected:	13:00			Total valuma of	ourged water rem	.ovod:	t/ 0.7	5000
Time collected.	17.00			rotal volume of j	ourged water rem	iovea:	Y-0.7	1
Physical appear	ance at start olor olor duct				Physical appeara	ance at sampling	class	and the second
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f			P			-		
9/19	NO LN	APL Su	33.23	1370C :	NO	DNAPL	_	
Analytical Para	meters: BVE	0.0	Hs,				1411	
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		3	1			1//		
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250 n	no pot	կ	1		W	1714	7	

NEU-VE	LLE, LLC			Low F	low Groun	d Water Sa	mpling Lo	g
Date	9/10 /2018	Pers	onnel	Kyle Mille			overcast	75°F
Site Name	RG&E - Front Street	 Evac	uation Method	Low Flow	Bladder	- Well#	MV	1-2
Site Location	Rochester, NY	 Sam	pling Method	Low Flow	Bladder	- Project#	20180	62
ell informa								
Depth of Well	12.	62 ft. . 45 ft. ft.		_* Measure	ments taken fror	n	. 11	
Depth to Wat	er*o	. 45 ft.	ve-bu	nf	X	Top of Well Cas	sing 4" [hush ant.
Length of Wa	ter Column	ft.	4				-	
						(Other, Specify)		
Start Purge T	ime:1 -2	-0						
Elapsed	Depth				Oxidation	Dissolved		
Time	To Water	Temperature		Conductivity	Reduction	Oxygen	Turbidity	Flow
11:25	1// 73	19.8	D.G.	1 MS/Cm)	Potential	(mg/l)	(NTU)	Rate (ml/min).
11:30	10.85	19.7	1 / 8/4	2.10	-70.4	1.64	8.7	7-50
11:35	10,90	1915	6.87	2,19	-72.2	2,23	60010	
(1:40	10,95	19.6	4 4 4	2,19	-68.7		6,27	
11:50	11.00	19.10	6.93	2,19	-65.8	3.00	6.89	7
11:55	11.01	101.9	6.92	2,19	-59.2	3.52	7.09	
12:0		19.9	6.97	2119	-53.2	3.88	9.50	
12:05	11.02	19.9	6.99	2,19	-52,7	3.88	8,80	1
	· · · · · · · · · · · · · · · · · · ·							
End Purge Tim	ne: [Z]	05			II FEC		0	37010"
Water sample					[-5	- MW	2-0	72018" Fgal
Time collected				Total volume of a	ourged water rem	ioved:	V-0.	Faul
-						•	(1
Physical appea	arance at start	4			Physical appeara	ance at sampling		·
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Applytical De-) —	No Dr	VML		
Analytical Para	ameters:	BTEX, PA	Hs, Pb	,				
Container S	ize Contai	ner Type	# Collecte	d Field	Filtered	Preservativ	re (Container pH
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		mha	1		1	- 10		
J- 7		6)				<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>		
1501	N.J. P	619	مل		V	HNO2		

NEU-VELLE, LLC			Low Flow Ground Water Sampling Log					
Date	9/2 /2018	Personne	el	Kyle Miller		Weather らい	nny/wind	4 80°F
Site Name	RG&E - Front Street	Evacuati	on Method	Low Flow E	Bladder	Well# M	W-85	
Site Location	Rochester, NY	Sampling	g Method	Low Flow E	Bladder	Project #	2018062	
/ // informa	tion:						Lock #	2342
Depth of Well	1* (7	_05_ft.	- 00.4	∆ ()* Measurer	ments taken from	l		
Depth to Wat		107 ft. p/0	p pur	,,,,	ments taken from	Top of Well Cas	ing 211	
Length of Wa	ter Column	tt. *				(Other, Specify)	e Casing Sty 2 K	\sim
		/						
Start Purge T	ime: 4,1	<u>-5</u>	· · · · · · · · · · · · · · · · · · ·					
Elapsed	Depth To Weter	 Temperature		Conductivity	Oxidation Reduction	Dissolved Oxygen	Turbidity	Flow
Time	To Water (F+ B70C)	remperature	Hq ((My Cm)	Potential 641	(mg/l)	(NTU)	Rate (ml/min).
9:30	13,70	FILM	Flow	Thon	cess			
9:35	Nm	22,61	72/6	3,38	191.7	30,7	73,5	4-60
9:40	913.7		7.24	3,49	130.0	2,44	19.5	4-50
9:45	13.71	2302	7.26	3,55	87.1	2,71	14,3	4
915	13.71	23:4	7.34	3.57	50.3	2.06	13.4	
10:00	13.71	23,6	7,30	3,58	26,9	2,93	11.5	
10:05	13,71	23.7	7.25	3.60	-9a1	3,54	11.3	10
10:10	13,71	23.8	7.30	7101	~ 4a (3.60	10.20	l V
1								
								1.04
End Purge Ti	me: (0 \	0		11	FS-n	1W85	-093 4-0,7	18"
Water sampl	e: 10570				•		4-07	5 - 0
Time collecte	d: 10 ° 20		7	Total volume of	purged water ren	noved:	7-011	J gar
								•
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r ilysical appe	Color Clear				, injurum apprair	Color	Clear	
	Odor NON Product NO	IE				Odor	NON	JE
Sheen/Free F					Sheen/Fre	e Product	No	•
9/18 1	VO LNAPKY	4.69 BTO	20	·. No	o DW	APL	2	
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451 CX / P	17-115 V 1				d Filtered	Wesman	n/ purifi	12 H20
Container	Size Contai	ner Type	# Collecte	d Fiel	d Filtered /	Preservati	ve i C	ontainer pH
4	und V	0/13	7 0		$\forall o$	110		
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130	ml P	014			\forall $-$	- 17NO.	7	
			1	1	1			
		Sampl	e El	3 lowflowlo	g			Page 5 of 56

NEU-VE	LLE, LLC			Low F	low Groun	d Water Sa	mpling Log	 I
Date	9/ 18 /2018	Perso	onnel	Kyle Mille		Weather	SUNN	
Site Name	RG&E - Front Street	•	uation Method			- Well#	MW-0	1D
Site Location	Rochester, NY	- Samp	oling Method	Low Flow		Project #	201806	2
ell informa	tion:					•	1/2 /	11-
Depth of Well	tion: 44.50 er* 36	ft.		* Measure	ments taken fron	1 Loc	K # 23	42
Depth to Wate	er* <u>36</u>	, 68 ft.			X	Top of Well Cas	-	
Length of Wa	ter Column	ft.				Top of Protective	e Casing	
						(Other, Specify)		
Start Purge Ti	ime: 4,6	<u> 55</u>						
Elapsed	Depth				Oxidation	Dissolved	,	
Time	To Water	Temperature	l	Conductivity	Reduction	Oxygen	Turbidity	Flow
10:00	(F+BTOC)	(C)	pH	(MS/Cm)	Potential MV	(mg/l)	(NTU)	Rate (ml/min).
10:05	36.82	Mg F10	7 17	3.67	-234.5	1.26	4.45	50
10:10	36.62	21.5	7.04	3,109	-264.2	0,83	2.09	1
10:15	36.82	21.4	7.08	3.69	-285.1	0.63	1.00	
10:20	36.62	21.5	7.09	3.06	-28725	0.84	1.02	
10:25	36,82	21.4	7.08	3.67	-292,3	0.96	0.91	
10:35	36.62	21 4	7.08	3.00	-264.1	0,98	0.91	
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		75		11			.0.0	((
End Purge Tim	ne: 10 -	35		" FS	-MW	90 - 0	91818	
Water sample	10 110			1 -			*/ -	~ 0
Time collected	: 10-90		•	Total volume of p	ourged water rem	noved:	4/-0.9	gal
Physical appea	arance at start	_			Dhysical appears	ance at sampling	1	,
	Color Color	W			r nysicai appeara	Color	clear	
	Odor Slight	SULFIN				Odor	Slisht 9	Infer
Sheen/Free Pr	oduct	No			Sheen/Free	e Product	No	2
,								
9/16	NO LA	IAPL S	WL 36	2.88 BT	ØC '	No D	WAPL	
Analytical Par		PAH	BIE	TY PL	7			
Container S	ize Contain		# Collecte	d Field	Filtered	Preservativ	re · C	ontainer pH
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	0		V 1		10	<u> </u>	<u> </u>	-
X		v (*/\)		1	v 0	15/1	4	
2501	nd pol	Ч	1		No	HNOT		

NEU-VE	LLE, LLC			Low F	low Groun	d Water Sa	mpling Log	1
Date	9/ 18 /2018	Perso	nnel	Kyle Mille		Weather		75° F
Site Name	RG&E - Front Street	-	uation Method	Low Flow		- Well #	MW-	95
	Rochester, NY	-	oling Method	Low Flow		Project #	2018062	
·		_				-		
ell informa		ft.		* Measure	ments taken fron	Loc	K #	2342
Depth to Water				Measure	*X	Top of Well Cas		
Length of Wa		ft.			[Top of Protective		
	 					(Other, Specify)		
Start Purge T	ime: 11:15							
Elapsed	Depth		T		Oxidation	Dissolved		
Time	To Water	Temperature	c	onductivity	Reduction	Oxygen	Turbidity	Flow
()	ift. BTOG	(CO)	pH (MS/con	Potentialℳ V	(mg/l)	(NTU)	Rate (ml/min).
11:20	14.09	24.0	7.041	0.17	-91.8	3,47	16.8	50
11:25	14,10	24.1	7.06	0.76	-138.10	3.50	9.89	1
1 35	14.10	24:10	7.06	0,77	- 99.2	2 48	4.91	1
11:40	14.18	24.1	7,06	0.77	-124.2	3,48	4.92	
11:45	14, 18	24:1	7,07	0.76	-122,2	- 3,47	4,91	
11:50	14;18	24.1	7.06	0.76	~106,4	3,47	4.90	l
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		-						Y

					!			
	11.					A V/2 /		
End Purge Tim	ne: 11:50		"F	s-Mn	195-09	1918"	*	
Water sample	:						1	- 0
Time collected	: 12:00		To	tal volume of	purged water rem	noved:	t-000	gar
							•	
Dhysical appor	arance at start				Dhysical annous	anao at aamalina	,	
	Color	ies			Filysical appeara	ance at sampling Color	dear	
	Odor N	ent				Odor	Non	E
Sheen/Free Pr		2			Sheen/Free	e Product	NO	_
F		SINL	i		. ^	_		
9/18	NO LNAGL	14.05	BIOC	· No	DNAPL			
Analytical Par		1 PUTE	X Dr	/ 🗠				
06-1-1			115		I Filton I			
Container S		er Type	# Collected	Field	Filtered	Preservativ	re Co	ontainer pH
41	me 6	04	2		$\wedge v$	#C		
.1	12 ai	ube	_1_		No	N/) 	
- C-N	n /	1	- A		A / A	11/412	`	
250 n		4			140	<u> 17706</u>	2	

NEU-VEI	LLE, LLC			Low F	low Groun	d Water Sa	mpling Log	
Date	9/ 19 /2018	Perso	nnel	Kyle Mille	r	Weather	overcast	65°F
Site Name	RG&E - Front Street	Evacı	uation Method	Low Flow	Bladder	Well#	MW.	105
Site Location	Rochester, NY	Samp	ling Method	Low Flow	Bladder	Project #	2018062	2
ell informa	tion:							· · · · · · · · · · · · · · · · · · ·
Depth of Well	* 19.0	Ø ft.		* Measure	ments taken from	1	11	
Depth to Wate		、ころ ft.			X	Top of Well Cas	ing $2^{\prime\prime}$	
Length of Wat	ter Column	ft.				Top of Protective	e Casing	
						(Other, Specify)		
Start Purge Ti	me: 9:25						· · · · · · · · · · · · · · · · · · ·	
Elapsed	Depth				Oxidation	Dissolved		
Time	To Water	Temperature		Conductivity	Reduction	Oxygen	Turbidity	Flow
()	(ft BTOC)	(C°)	pH	(mA(chi)	Potential MV	(mg/l)	(NTU)	Rate (ml/min).
9:30	15.23	20.2	6.67	1 1241	145.9	2.82	13.4	4-50
9135	15.34	20.0	6,76	1,45	38 .9	3.66	12.6	
9:45	15.40	19,9	6.90	1,45	20.1	5.31	7,57	
9150	15,41	19.9	6.91	1.45	17.3	5.13	6.40	
9:55	15,41	19.9	6,94	1.46	10.6	5.14	5,04	
19:00	15.42	19.9	6.90	1,46	6.9	5,39	4,55	
10:10	15,42	19,9	7.01	1,44	3,7	5,44	3.5 t	
10:15	15.42	19.9	7.01	1,43	(0 . (5.103	2.98	
() () /	():10	(-["-[7 4 6/1	(1)	(0 / 1	 		$\vdash \forall$
	•	WII						
End Purge Tim	ne: 10 \ 15			:	<i>"</i> C		1.06	00 1010
-								09 1918
Water sample Time collected	10 2 -		•	TT-4-1			V-0.5	- 0
Time collected		*	10	l otal volume of p	purged water rem	ovea:	7 0 4)	g ax
		10	(V 1) c	10112at	e ('Du	DIRate	09/91	(211)
Physical appea	corance at start Color Odor Odor Oduct	/ 15	11. 11	,'	Physical appeara	T ince at sampling	- , , (
(Color Clea		WE CM	ce.	, , , , , , , , , ,	Color		
(Odor <u>V 0</u>	NE	her	e *		Odor		
Sheen/Free Pro	oduct	10	, ••		Sheen/Free	Product		
A.								
1/18 1VV	LNAPL SW	L 15.11	15100) Nõ	DNALLI	1.0 4012	defth	
Analytical Para	ameters:							
Container S	ize Contain	er Type	# Collecte	d Field	f Filtered	Preservativ	e Co	ontainer pH
40	me 1/6	2 A /			No	itc	/ 	
- 10	0	bec	<u> </u>			11/0		
	<u> </u>	1	<u>~</u>			N7(-	4	
750 V	ul po	(4	2		\forall	1+100		

NFU-VE	LLE, LLC		····	I ow F	low Group	d Water Sa	mpling Log	Party
Date	9/ 20 /2018	Perso	nnol	Kyle Miller			Sinny 1	759
Site Name	RG&E - Front Street	-	uation Method	Low Flow		- Well #	010/2	7
	Rochester, NY	-				-	2012063	<i>3 L</i>
Joile Location	Rochester, NY	- Samp	ling Method	Low Flow	Bladder	Project #	2018062	<u> </u>
Depth of Well * Depth to Water * Length of Water Column Top of Well Casing 6 Sfeel Top of Protective Casing (Other, Specify)								el
Start Purge T	ima: Villa	2 14.	· .					
		20 14:5	0			,	T	
Elapsed Time ()	Depth To Water (FF 1378 C)	Temperature	pH (Conductivity MG (m)	Oxidation Reduction Potential / \(\sqrt{1} \)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
14:30	8,90	4.7	11 uhle 7.53	w.Ah 0.55	11 pamp 64.3	/a & us	Frents 27.0	male Y-60
15:05 15:10 15:15	8.90 NM 8.90	21.5	7.55 7.47 7.57	0.55	45.6 77.2 75.1	5,34	32.6	
15:20	8,90 8,90	21,4	7.60	0.54	75.9	5.62	30.6	
End Purge Tin	ne:15;2	5			" FC-	- OW10	2 - 09	12018"
Water sample Time collected	1		T	otal volume of p	ourged water rem		1/-0.	
Physical appea	وسلب ا	æ/1L	a l 1	-,1	Physical appeara	ance at sampling		Mours
1	Color Odor Oduct	NE NE	y bro	wa	Sheen/Fre	Color Odor e Product	Nong	= VWW
9/18	NO LMA	PL SWL	- B. 80	7370 C	W. ^	10 D	NAPL	
Analytical Par	1210	X, PAL	+5,15	-	MS/B	8 MST	>	
Container S		er Type	# Collected	Field	Filtered (Preservativ	/e Co	ontainer pH
19		mbe	7			NII	4	
150	ml.	fily	3		V	HN	03	

Exhibit A

Groundwater Laboratory Reports and Chain of Custody Forms





Analytical Report For

Neu-Velle

For Lab Project ID

184364

Referencing

RGE Front St. Former MGP

Prepared

Thursday, September 27, 2018

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW9D-091818

Lab Sample ID:184364-01Date Sampled:9/18/2018Matrix:GroundwaterDate Received:9/21/2018

Metals

 Analyte
 Result
 Units
 Qualifier
 Date Analyzed

 Lead
 < 0.0100</td>
 mg/L
 9/25/2018 16:48

Method Reference(s): EPA 6010C

EPA 3005A

Preparation Date: 9/24/2018 Data File: 9/24/2018

Semi-Volatile Organics (PAHs)

Analyte	<u>Result</u>	<u>Units</u>	Qualifier	Date Analyzed
Acenaphthene	< 10.0	ug/L		9/26/2018 07:53
Acenaphthylene	< 10.0	ug/L		9/26/2018 07:53
Anthracene	< 10.0	ug/L		9/26/2018 07:53
Benzo (a) anthracene	< 10.0	ug/L		9/26/2018 07:53
Benzo (a) pyrene	< 10.0	ug/L		9/26/2018 07:53
Benzo (b) fluoranthene	< 10.0	ug/L		9/26/2018 07:53
Benzo (g,h,i) perylene	< 10.0	ug/L		9/26/2018 07:53
Benzo (k) fluoranthene	< 10.0	ug/L		9/26/2018 07:53
Chrysene	< 10.0	ug/L		9/26/2018 07:53
Dibenz (a,h) anthracene	< 10.0	ug/L		9/26/2018 07:53
Fluoranthene	< 10.0	ug/L		9/26/2018 07:53
Fluorene	< 10.0	ug/L		9/26/2018 07:53
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		9/26/2018 07:53
Naphthalene	< 10.0	ug/L		9/26/2018 07:53
Phenanthrene	< 10.0	ug/L		9/26/2018 07:53
Pyrene	< 10.0	ug/L		9/26/2018 07:53



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW9D-091818

Lab Sample ID:184364-01Date Sampled:9/18/2018Matrix:GroundwaterDate Received:9/21/2018

<u>Surrogate</u>	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	vzed
2-Fluorobiphenyl	43.0	28.7 - 98.8		9/26/2018	07:53
Nitrobenzene-d5	62.6	47.4 - 94.5		9/26/2018	07:53
Terphenyl-d14	76.1	56.7 - 107		9/26/2018	07:53

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 9/25/2018
Data File: B31964.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>		Qualifier	Date Anal	<u>yzed</u>
Benzene	< 1.00	ug/L			9/26/2018	21:10
Ethylbenzene	< 2.00	ug/L			9/26/2018	21:10
m,p-Xylene	< 2.00	ug/L			9/26/2018	21:10
o-Xylene	< 2.00	ug/L			9/26/2018	21:10
Toluene	< 2.00	ug/L			9/26/2018	21:10
<u>Surrogate</u>	Percei	nt Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	zed
1,2-Dichloroethane-d4		114	80.7 - 121		9/26/2018	21:10
4-Bromofluorobenzene		79.4	74.3 - 121		9/26/2018	21:10
Pentafluorobenzene		87.1	86.2 - 111		9/26/2018	21:10
Toluene-D8		87.8	86.2 - 112		9/26/2018	21:10

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54537.D



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW9S-091818

Lab Sample ID:184364-02Date Sampled:9/18/2018Matrix:GroundwaterDate Received:9/21/2018

Metals

 Analyte
 Result
 Units
 Qualifier
 Date Analyzed

 Lead
 < 0.0100</td>
 mg/L
 9/25/2018 16:52

Method Reference(s): EPA 6010C

EPA 3005A

 Preparation Date:
 9/24/2018

 Data File:
 180925B

Semi-Volatile Organics (PAHs)

Analyte	<u>Result</u>	<u>Units</u>	Qualifier	Date Analyzed
Acenaphthene	< 10.0	ug/L		9/26/2018 08:23
Acenaphthylene	< 10.0	ug/L		9/26/2018 08:23
Anthracene	< 10.0	ug/L		9/26/2018 08:23
Benzo (a) anthracene	< 10.0	ug/L		9/26/2018 08:23
Benzo (a) pyrene	< 10.0	ug/L		9/26/2018 08:23
Benzo (b) fluoranthene	< 10.0	ug/L		9/26/2018 08:23
Benzo (g,h,i) perylene	< 10.0	ug/L		9/26/2018 08:23
Benzo (k) fluoranthene	< 10.0	ug/L		9/26/2018 08:23
Chrysene	< 10.0	ug/L		9/26/2018 08:23
Dibenz (a,h) anthracene	< 10.0	ug/L		9/26/2018 08:23
Fluoranthene	< 10.0	ug/L		9/26/2018 08:23
Fluorene	< 10.0	ug/L		9/26/2018 08:23
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		9/26/2018 08:23
Naphthalene	< 10.0	ug/L		9/26/2018 08:23
Phenanthrene	< 10.0	ug/L		9/26/2018 08:23
Pyrene	< 10.0	ug/L		9/26/2018 08:23



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW9S-091818

Lab Sample ID:184364-02Date Sampled:9/18/2018Matrix:GroundwaterDate Received:9/21/2018

<u>Surrogate</u>	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	vzed
2-Fluorobiphenyl	43.1	28.7 - 98.8		9/26/2018	08:23
Nitrobenzene-d5	62.4	47.4 - 94.5		9/26/2018	08:23
Terphenyl-d14	81.1	56.7 - 107		9/26/2018	08:23

Method Reference(s):EPA 8270DEPA 3510CPreparation Date:9/25/2018Data File:B31965.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>		Qualifier	Date Anal	<u>yzed</u>
Benzene	< 1.00	ug/L			9/26/2018	17:16
Ethylbenzene	< 2.00	ug/L			9/26/2018	17:16
m,p-Xylene	< 2.00	ug/L			9/26/2018	17:16
o-Xylene	< 2.00	ug/L			9/26/2018	17:16
Toluene	< 2.00	ug/L			9/26/2018	17:16
Surrogate	Perce	ent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	zed
1,2-Dichloroethane-d4		117	80.7 - 121		9/26/2018	17:16
4-Bromofluorobenzene		81.3	74.3 - 121		9/26/2018	17:16
Pentafluorobenzene		91.1	86.2 - 111		9/26/2018	17:16
Toluene-D8		88.3	86.2 - 112		9/26/2018	17:16

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54527.D



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW1D-091918

Lab Sample ID:184364-03Date Sampled:9/19/2018Matrix:GroundwaterDate Received:9/21/2018

Metals

 Analyte
 Result
 Units
 Qualifier
 Date Analyzed

 Lead
 < 0.0100</td>
 mg/L
 9/25/2018 16:56

Method Reference(s): EPA 6010C

EPA 3005A

 Preparation Date:
 9/24/2018

 Data File:
 180925B

Semi-Volatile Organics (PAHs)

Analyte	Result	<u>Units</u>	Qualifier	Date Analy	zed
Acenaphthene	< 10.0	ug/L		9/26/2018	08:52
Acenaphthylene	< 10.0	ug/L		9/26/2018	08:52
Anthracene	< 10.0	ug/L		9/26/2018	08:52
Benzo (a) anthracene	< 10.0	ug/L		9/26/2018	08:52
Benzo (a) pyrene	< 10.0	ug/L		9/26/2018	08:52
Benzo (b) fluoranthene	< 10.0	ug/L		9/26/2018	08:52
Benzo (g,h,i) perylene	< 10.0	ug/L		9/26/2018	08:52
Benzo (k) fluoranthene	< 10.0	ug/L		9/26/2018	08:52
Chrysene	< 10.0	ug/L		9/26/2018	08:52
Dibenz (a,h) anthracene	< 10.0	ug/L		9/26/2018	08:52
Fluoranthene	< 10.0	ug/L		9/26/2018	08:52
Fluorene	< 10.0	ug/L		9/26/2018	08:52
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		9/26/2018	08:52
Naphthalene	< 10.0	ug/L		9/26/2018	08:52
Phenanthrene	< 10.0	ug/L		9/26/2018	08:52
Pyrene	< 10.0	ug/L		9/26/2018	08:52



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW1D-091918

Lab Sample ID:184364-03Date Sampled:9/19/2018Matrix:GroundwaterDate Received:9/21/2018

<u>Surrogate</u>	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	vzed
2-Fluorobiphenyl	44.8	28.7 - 98.8		9/26/2018	08:52
Nitrobenzene-d5	61.1	47.4 - 94.5		9/26/2018	08:52
Terphenyl-d14	80.9	56.7 - 107		9/26/2018	08:52

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 9/25/2018
Data File: B31966.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>		Qualifier	Date Anal	<u>yzed</u>
Benzene	< 1.00	ug/L			9/26/2018	17:40
Ethylbenzene	< 2.00	ug/L			9/26/2018	17:40
m,p-Xylene	< 2.00	ug/L			9/26/2018	17:40
o-Xylene	< 2.00	ug/L			9/26/2018	17:40
Toluene	< 2.00	ug/L			9/26/2018	17:40
Surrogate	Percer	nt Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	zed
1,2-Dichloroethane-d4		111	80.7 - 121		9/26/2018	17:40
4-Bromofluorobenzene		77.5	74.3 - 121		9/26/2018	17:40
Pentafluorobenzene		89.0	86.2 - 111		9/26/2018	17:40
Toluene-D8		91.1	86.2 - 112		9/26/2018	17:40

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54528.D



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW10S-091918

Lab Sample ID:184364-04Date Sampled:9/19/2018Matrix:GroundwaterDate Received:9/21/2018

Metals

 Analyte
 Result
 Units
 Qualifier
 Date Analyzed

 Lead
 < 0.0100</td>
 mg/L
 9/25/2018 17:01

Method Reference(s): EPA 6010C

EPA 3005A

Preparation Date: 9/24/2018 Data File: 9/24/2018

Semi-Volatile Organics (PAHs)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	Qualifier Date Analyzed
Acenaphthene	< 10.0	ug/L	9/26/2018 09:52
Acenaphthylene	< 10.0	ug/L	9/26/2018 09:52
Anthracene	< 10.0	ug/L	9/26/2018 09:52
Benzo (a) anthracene	< 10.0	ug/L	9/26/2018 09:52
Benzo (a) pyrene	< 10.0	ug/L	9/26/2018 09:52
Benzo (b) fluoranthene	< 10.0	ug/L	9/26/2018 09:52
Benzo (g,h,i) perylene	< 10.0	ug/L	9/26/2018 09:52
Benzo (k) fluoranthene	< 10.0	ug/L	9/26/2018 09:52
Chrysene	< 10.0	ug/L	9/26/2018 09:52
Dibenz (a,h) anthracene	< 10.0	ug/L	9/26/2018 09:52
Fluoranthene	< 10.0	ug/L	9/26/2018 09:52
Fluorene	< 10.0	ug/L	9/26/2018 09:52
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L	9/26/2018 09:52
Naphthalene	< 10.0	ug/L	9/26/2018 09:52
Phenanthrene	< 10.0	ug/L	9/26/2018 09:52
Pyrene	< 10.0	ug/L	9/26/2018 09:52



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW10S-091918

Lab Sample ID:184364-04Date Sampled:9/19/2018Matrix:GroundwaterDate Received:9/21/2018

<u>Surrogate</u>	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	vzed
2-Fluorobiphenyl	45.1	28.7 - 98.8		9/26/2018	09:52
Nitrobenzene-d5	63.4	47.4 - 94.5		9/26/2018	09:52
Terphenyl-d14	78.6	56.7 - 107		9/26/2018	09:52

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 9/25/2018
Data File: B31968.D

Volatile Organics

Analyte	<u>Result</u>	<u>Units</u>		Qualifier	Date Anal	<u>vzed</u>
Benzene	< 1.00	ug/L			9/26/2018	18:03
Ethylbenzene	< 2.00	ug/L			9/26/2018	18:03
m,p-Xylene	< 2.00	ug/L			9/26/2018	18:03
o-Xylene	< 2.00	ug/L			9/26/2018	18:03
Toluene	< 2.00	ug/L			9/26/2018	18:03
Surrogate	Percen	t Recovery	<u>Limits</u>	Outliers	Date Analy	zed
1,2-Dichloroethane-d4		118	80.7 - 121		9/26/2018	18:03
4-Bromofluorobenzene	:	81.0	74.3 - 121		9/26/2018	18:03
Pentafluorobenzene	:	85.3	86.2 - 111	*	9/26/2018	18:03
Toluene-D8	:	87.2	86.2 - 112		9/26/2018	18:03

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54529.D



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: Duplicate 091918

Lab Sample ID:184364-05Date Sampled:9/19/2018Matrix:GroundwaterDate Received:9/21/2018

Metals

 Analyte
 Result
 Units
 Qualifier
 Date Analyzed

 Lead
 < 0.0100</td>
 mg/L
 9/25/2018 17:13

Method Reference(s): EPA 6010C

EPA 3005A

 Preparation Date:
 9/24/2018

 Data File:
 180925B

Semi-Volatile Organics (PAHs)

Analyte	<u>Result</u>	<u>Units</u>	Qualifier	Date Analyzed
Acenaphthene	< 10.0	ug/L		9/26/2018 10:22
Acenaphthylene	< 10.0	ug/L		9/26/2018 10:22
Anthracene	< 10.0	ug/L		9/26/2018 10:22
Benzo (a) anthracene	< 10.0	ug/L		9/26/2018 10:22
Benzo (a) pyrene	< 10.0	ug/L		9/26/2018 10:22
Benzo (b) fluoranthene	< 10.0	ug/L		9/26/2018 10:22
Benzo (g,h,i) perylene	< 10.0	ug/L		9/26/2018 10:22
Benzo (k) fluoranthene	< 10.0	ug/L		9/26/2018 10:22
Chrysene	< 10.0	ug/L		9/26/2018 10:22
Dibenz (a,h) anthracene	< 10.0	ug/L		9/26/2018 10:22
Fluoranthene	< 10.0	ug/L		9/26/2018 10:22
Fluorene	< 10.0	ug/L		9/26/2018 10:22
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		9/26/2018 10:22
Naphthalene	< 10.0	ug/L		9/26/2018 10:22
Phenanthrene	< 10.0	ug/L		9/26/2018 10:22
Pyrene	< 10.0	ug/L		9/26/2018 10:22



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: Duplicate 091918

Lab Sample ID:184364-05Date Sampled:9/19/2018Matrix:GroundwaterDate Received:9/21/2018

<u>Surrogate</u>	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	vzed
2-Fluorobiphenyl	42.4	28.7 - 98.8		9/26/2018	10:22
Nitrobenzene-d5	63.4	47.4 - 94.5		9/26/2018	10:22
Terphenyl-d14	78.9	56.7 - 107		9/26/2018	10:22

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 9/25/2018
Data File: B31969.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>		Qualifier	Date Anal	<u>yzed</u>
Benzene	< 1.00	ug/L			9/26/2018	18:27
Ethylbenzene	< 2.00	ug/L			9/26/2018	18:27
m,p-Xylene	< 2.00	ug/L			9/26/2018	18:27
o-Xylene	< 2.00	ug/L			9/26/2018	18:27
Toluene	< 2.00	ug/L			9/26/2018	18:27
Surrogate	Perce	nt Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	zed
1,2-Dichloroethane-d4		120	80.7 - 121		9/26/2018	18:27
4-Bromofluorobenzene		77.5	74.3 - 121		9/26/2018	18:27
Pentafluorobenzene		89.1	86.2 - 111		9/26/2018	18:27
Toluene-D8		90.1	86.2 - 112		9/26/2018	18:27

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54530.D



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW1-092018

Lab Sample ID:184364-06Date Sampled:9/20/2018Matrix:GroundwaterDate Received:9/21/2018

Metals

 Analyte
 Result
 Units
 Qualifier
 Date Analyzed

 Lead
 < 0.0100</td>
 mg/L
 9/25/2018 17:18

Method Reference(s): EPA 6010C

EPA 3005A

 Preparation Date:
 9/24/2018

 Data File:
 180925B

Semi-Volatile Organics (PAHs)

Analyte	Result	<u>Units</u>	Qualifier	Date Analy	zed
Acenaphthene	< 10.0	ug/L		9/26/2018	10:52
Acenaphthylene	< 10.0	ug/L		9/26/2018	10:52
Anthracene	< 10.0	ug/L		9/26/2018	10:52
Benzo (a) anthracene	< 10.0	ug/L		9/26/2018	10:52
Benzo (a) pyrene	< 10.0	ug/L		9/26/2018	10:52
Benzo (b) fluoranthene	< 10.0	ug/L		9/26/2018	10:52
Benzo (g,h,i) perylene	< 10.0	ug/L		9/26/2018	10:52
Benzo (k) fluoranthene	< 10.0	ug/L		9/26/2018	10:52
Chrysene	< 10.0	ug/L		9/26/2018	10:52
Dibenz (a,h) anthracene	< 10.0	ug/L		9/26/2018	10:52
Fluoranthene	< 10.0	ug/L		9/26/2018	10:52
Fluorene	< 10.0	ug/L		9/26/2018	10:52
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		9/26/2018	10:52
Naphthalene	< 10.0	ug/L		9/26/2018	10:52
Phenanthrene	< 10.0	ug/L		9/26/2018	10:52
Pyrene	< 10.0	ug/L		9/26/2018	10:52



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW1-092018

Lab Sample ID:184364-06Date Sampled:9/20/2018Matrix:GroundwaterDate Received:9/21/2018

<u>Surrogate</u>	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	zed
2-Fluorobiphenyl	43.7	28.7 - 98.8		9/26/2018	10:52
Nitrobenzene-d5	65.4	47.4 - 94.5		9/26/2018	10:52
Terphenyl-d14	83.2	56.7 - 107		9/26/2018	10:52

Method Reference(s):EPA 8270DEPA 3510CPreparation Date:9/25/2018Data File:B31970.D

Volatile Organics

Analyte	<u>Result</u>	<u>Units</u>		Qualifier	Date Anal	<u>yzed</u>
Benzene	< 1.00	ug/L			9/26/2018	18:50
Ethylbenzene	< 2.00	ug/L			9/26/2018	18:50
m,p-Xylene	< 2.00	ug/L			9/26/2018	18:50
o-Xylene	< 2.00	ug/L			9/26/2018	18:50
Toluene	< 2.00	ug/L			9/26/2018	18:50
Surrogate	Perce	nt Recovery	Limits	<u>Outliers</u>	Date Analy	zed
1,2-Dichloroethane-d4		117	80.7 - 121		9/26/2018	18:50
4-Bromofluorobenzene		76.3	74.3 - 121		9/26/2018	18:50
Pentafluorobenzene		85.9	86.2 - 111	*	9/26/2018	18:50
Toluene-D8		89.4	86.2 - 112		9/26/2018	18:50

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54531.D



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW2-092018

Lab Sample ID:184364-07Date Sampled:9/20/2018Matrix:GroundwaterDate Received:9/21/2018

Metals

 Analyte
 Result
 Units
 Qualifier
 Date Analyzed

 Lead
 < 0.0100</td>
 mg/L
 9/26/2018 12:51

Method Reference(s): EPA 6010C

EPA 3005A

Preparation Date: 9/24/2018 Data File: 180926A

Semi-Volatile Organics (PAHs)

Analyte	<u>Result</u>	<u>Units</u>	Qualifier	Date Analyzed
Acenaphthene	< 10.0	ug/L		9/26/2018 11:22
Acenaphthylene	< 10.0	ug/L		9/26/2018 11:22
Anthracene	< 10.0	ug/L		9/26/2018 11:22
Benzo (a) anthracene	< 10.0	ug/L		9/26/2018 11:22
Benzo (a) pyrene	< 10.0	ug/L		9/26/2018 11:22
Benzo (b) fluoranthene	< 10.0	ug/L		9/26/2018 11:22
Benzo (g,h,i) perylene	< 10.0	ug/L		9/26/2018 11:22
Benzo (k) fluoranthene	< 10.0	ug/L		9/26/2018 11:22
Chrysene	< 10.0	ug/L		9/26/2018 11:22
Dibenz (a,h) anthracene	< 10.0	ug/L		9/26/2018 11:22
Fluoranthene	< 10.0	ug/L		9/26/2018 11:22
Fluorene	< 10.0	ug/L		9/26/2018 11:22
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		9/26/2018 11:22
Naphthalene	< 10.0	ug/L		9/26/2018 11:22
Phenanthrene	< 10.0	ug/L		9/26/2018 11:22
Pyrene	< 10.0	ug/L		9/26/2018 11:22



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW2-092018

Lab Sample ID:184364-07Date Sampled:9/20/2018Matrix:GroundwaterDate Received:9/21/2018

<u>Surrogate</u>	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	vzed
2-Fluorobiphenyl	42.6	28.7 - 98.8		9/26/2018	11:22
Nitrobenzene-d5	61.4	47.4 - 94.5		9/26/2018	11:22
Terphenyl-d14	79.3	56.7 - 107		9/26/2018	11:22

Method Reference(s): EPA 8270D EPA 3510C Preparation Date: 9/25/2018 Data File: B31971.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>		Qualifier	Date Anal	yzed
Benzene	< 1.00	ug/L			9/26/2018	19:13
Ethylbenzene	< 2.00	ug/L			9/26/2018	19:13
m,p-Xylene	< 2.00	ug/L			9/26/2018	19:13
o-Xylene	< 2.00	ug/L			9/26/2018	19:13
Toluene	< 2.00	ug/L			9/26/2018	19:13
Surrogate	Percen	t Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	zed
1,2-Dichloroethane-d4		122	80.7 - 121	*	9/26/2018	19:13
4-Bromofluorobenzene	•	77.4	74.3 - 121		9/26/2018	19:13
Pentafluorobenzene	:	88.9	86.2 - 111		9/26/2018	19:13
Toluene-D8	:	89.3	86.2 - 112		9/26/2018	19:13

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54532.D



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-OW102-092018

Lab Sample ID:184364-08Date Sampled:9/20/2018Matrix:GroundwaterDate Received:9/21/2018

Metals

 Analyte
 Result
 Units
 Qualifier
 Date Analyzed

 Lead
 < 0.0100</td>
 mg/L
 9/25/2018 17:26

Method Reference(s): EPA 6010C

EPA 3005A

Preparation Date: 9/24/2018 Data File: 9/24/2018

Semi-Volatile Organics (PAHs)

Analyte	<u>Result</u>	<u>Units</u>	Qualifier	Date Analy	zed
Acenaphthene	< 10.0	ug/L		9/26/2018	11:53
Acenaphthylene	< 10.0	ug/L		9/26/2018	11:53
Anthracene	< 10.0	ug/L		9/26/2018	11:53
Benzo (a) anthracene	< 10.0	ug/L		9/26/2018	11:53
Benzo (a) pyrene	< 10.0	ug/L		9/26/2018	11:53
Benzo (b) fluoranthene	< 10.0	ug/L		9/26/2018	11:53
Benzo (g,h,i) perylene	< 10.0	ug/L		9/26/2018	11:53
Benzo (k) fluoranthene	< 10.0	ug/L		9/26/2018	11:53
Chrysene	< 10.0	ug/L		9/26/2018	11:53
Dibenz (a,h) anthracene	< 10.0	ug/L		9/26/2018	11:53
Fluoranthene	< 10.0	ug/L		9/26/2018	11:53
Fluorene	< 10.0	ug/L		9/26/2018	11:53
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		9/26/2018	11:53
Naphthalene	< 10.0	ug/L		9/26/2018	11:53
Phenanthrene	< 10.0	ug/L		9/26/2018	11:53
Pyrene	< 10.0	ug/L		9/26/2018	11:53



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-OW102-092018

Lab Sample ID:184364-08Date Sampled:9/20/2018Matrix:GroundwaterDate Received:9/21/2018

<u>Surrogate</u>	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	vzed
2-Fluorobiphenyl	44.5	28.7 - 98.8		9/26/2018	11:53
Nitrobenzene-d5	62.7	47.4 - 94.5		9/26/2018	11:53
Terphenyl-d14	82.3	56.7 - 107		9/26/2018	11:53

Method Reference(s):EPA 8270DEPA 3510CPreparation Date:9/25/2018Data File:B31972.D

Volatile Organics

Analyte	<u>Result</u>	<u>Units</u>		Qualifier	Date Anal	<u>yzed</u>
Benzene	< 1.00	ug/L			9/26/2018	19:37
Ethylbenzene	< 2.00	ug/L			9/26/2018	19:37
m,p-Xylene	< 2.00	ug/L			9/26/2018	19:37
o-Xylene	< 2.00	ug/L			9/26/2018	19:37
Toluene	< 2.00	ug/L			9/26/2018	19:37
Surrogate	Percer	nt Recovery	<u>Limits</u>	Outliers	Date Analy	zed
1,2-Dichloroethane-d4		117	80.7 - 121		9/26/2018	19:37
4-Bromofluorobenzene		78.3	74.3 - 121		9/26/2018	19:37
Pentafluorobenzene		84.0	86.2 - 111	*	9/26/2018	19:37
Toluene-D8		88.9	86.2 - 112		9/26/2018	19:37

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54533.D



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-EB-092118

Lab Sample ID:184364-09Date Sampled:9/21/2018Matrix:WaterDate Received:9/21/2018

Metals

 Analyte
 Result
 Units
 Qualifier
 Date Analyzed

 Lead
 < 0.0100</td>
 mg/L
 9/25/2018 17:47

Method Reference(s): EPA 6010C

EPA 3005A

 Preparation Date:
 9/24/2018

 Data File:
 180925B

Semi-Volatile Organics (PAHs)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	Date Anal	<u>yzed</u>
Acenaphthene	< 10.0	ug/L		9/26/2018	13:23
Acenaphthylene	< 10.0	ug/L		9/26/2018	13:23
Anthracene	< 10.0	ug/L		9/26/2018	13:23
Benzo (a) anthracene	< 10.0	ug/L		9/26/2018	13:23
Benzo (a) pyrene	< 10.0	ug/L		9/26/2018	13:23
Benzo (b) fluoranthene	< 10.0	ug/L		9/26/2018	13:23
Benzo (g,h,i) perylene	< 10.0	ug/L		9/26/2018	13:23
Benzo (k) fluoranthene	< 10.0	ug/L		9/26/2018	13:23
Chrysene	< 10.0	ug/L		9/26/2018	13:23
Dibenz (a,h) anthracene	< 10.0	ug/L		9/26/2018	13:23
Fluoranthene	< 10.0	ug/L		9/26/2018	13:23
Fluorene	< 10.0	ug/L		9/26/2018	13:23
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		9/26/2018	13:23
Naphthalene	< 10.0	ug/L		9/26/2018	13:23
Phenanthrene	< 10.0	ug/L		9/26/2018	13:23
Pyrene	< 10.0	ug/L		9/26/2018	13:23



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-EB-092118

Lab Sample ID:184364-09Date Sampled:9/21/2018Matrix:WaterDate Received:9/21/2018

<u>Surrogate</u>	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	vzed
2-Fluorobiphenyl	48.4	28.7 - 98.8		9/26/2018	13:23
Nitrobenzene-d5	65.6	47.4 - 94.5		9/26/2018	13:23
Terphenyl-d14	82.2	56.7 - 107		9/26/2018	13:23

Method Reference(s):EPA 8270DEPA 3510CPreparation Date:9/25/2018Data File:B31975.D

Volatile Organics

Analyte	<u>Result</u>	<u>Units</u>		Qualifier	Date Anal	<u>yzed</u>
Benzene	< 1.00	ug/L			9/26/2018	20:00
Ethylbenzene	< 2.00	ug/L			9/26/2018	20:00
m,p-Xylene	< 2.00	ug/L			9/26/2018	20:00
o-Xylene	< 2.00	ug/L			9/26/2018	20:00
Toluene	< 2.00	ug/L			9/26/2018	20:00
Surrogate	Perce	nt Recovery	Limits	<u>Outliers</u>	Date Analy	zed
1,2-Dichloroethane-d4		116	80.7 - 121		9/26/2018	20:00
4-Bromofluorobenzene		75.0	74.3 - 121		9/26/2018	20:00
Pentafluorobenzene		85.1	86.2 - 111	*	9/26/2018	20:00
Toluene-D8		86.8	86.2 - 112		9/26/2018	20:00

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54534.D



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW8S-092118

Lab Sample ID:184364-10Date Sampled:9/21/2018Matrix:GroundwaterDate Received:9/21/2018

Metals

 Analyte
 Result
 Units
 Qualifier
 Date Analyzed

 Lead
 < 0.0100</td>
 mg/L
 9/25/2018 17:51

Method Reference(s): EPA 6010C

EPA 3005A

Preparation Date: 9/24/2018 Data File: 9/24/2018

Semi-Volatile Organics (PAHs)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	Date Analy	<u>zed</u>
Acenaphthene	< 10.0	ug/L	Q	9/26/2018	13:53
Acenaphthylene	< 10.0	ug/L	Q	9/26/2018	13:53
Anthracene	< 10.0	ug/L	Ġ	9/26/2018	13:53
Benzo (a) anthracene	< 10.0	ug/L	Ġ	9/26/2018	13:53
Benzo (a) pyrene	< 10.0	ug/L	Ġ	9/26/2018	13:53
Benzo (b) fluoranthene	< 10.0	ug/L	Q	9/26/2018	13:53
Benzo (g,h,i) perylene	< 10.0	ug/L	Q	9/26/2018	13:53
Benzo (k) fluoranthene	< 10.0	ug/L	Ģ	9/26/2018	13:53
Chrysene	< 10.0	ug/L	Ġ	9/26/2018	13:53
Dibenz (a,h) anthracene	< 10.0	ug/L	Ġ	9/26/2018	13:53
Fluoranthene	< 10.0	ug/L	Q	9/26/2018	13:53
Fluorene	< 10.0	ug/L	Q	9/26/2018	13:53
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L	Ģ	9/26/2018	13:53
Naphthalene	< 10.0	ug/L	Ģ	9/26/2018	13:53
Phenanthrene	< 10.0	ug/L	Ģ	9/26/2018	13:53
Pyrene	< 10.0	ug/L	Ģ	9/26/2018	13:53



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: FS-MW8S-092118

Lab Sample ID:184364-10Date Sampled:9/21/2018Matrix:GroundwaterDate Received:9/21/2018

<u>Surrogate</u>	Percent Recovery	<u>Limits</u>	<u>Outliers</u> <u>Date</u>		Inalyzed	
2-Fluorobiphenyl	52.3	28.7 - 98.8		9/26/2018	13:53	
Nitrobenzene-d5	65.7	47.4 - 94.5		9/26/2018	13:53	
Terphenyl-d14	76.0	56.7 - 107		9/26/2018	13:53	

Method Reference(s):EPA 8270DEPA 3510CPreparation Date:9/25/2018Data File:B31976.D

Volatile Organics

Analyte	Result Units		Qualifier		Date Analyzed	
Benzene	< 1.00	ug/L			9/26/2018	20:24
Ethylbenzene	< 2.00	ug/L			9/26/2018	20:24
m,p-Xylene	< 2.00	ug/L			9/26/2018	20:24
o-Xylene	< 2.00	ug/L			9/26/2018	20:24
Toluene	< 2.00	ug/L			9/26/2018	20:24
Surrogate	Percent Recovery		Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4		119	80.7 - 121		9/26/2018	20:24
4-Bromofluorobenzene		77.8	74.3 - 121		9/26/2018	20:24
Pentafluorobenzene	:	89.4	86.2 - 111		9/26/2018	20:24
Toluene-D8	:	88.4	86.2 - 112		9/26/2018	20:24

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54535.D



Client: <u>Neu-Velle</u>

Project Reference: RGE Front St. Former MGP

Sample Identifier: Trip Blank T856

Lab Sample ID:184364-11Date Sampled:9/13/2018Matrix:WaterDate Received:9/21/2018

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>		Qualifier	Date Analy	vzed
Benzene	< 1.00	ug/L			9/26/2018	20:47
Ethylbenzene	< 2.00	ug/L			9/26/2018	20:47
m,p-Xylene	< 2.00	ug/L			9/26/2018	20:47
o-Xylene	< 2.00	ug/L			9/26/2018	20:47
Toluene	< 2.00	ug/L			9/26/2018	20:47
<u>Surrogate</u>	<u>Percer</u>	Percent Recovery		Outliers	Date Analyzed	
1,2-Dichloroethane-d4		120	80.7 - 121		9/26/2018	20:47
4-Bromofluorobenzene		78.0	74.3 - 121		9/26/2018	20:47
Pentafluorobenzene		86.3	86.2 - 111		9/26/2018	20:47
Toluene-D8		87.8	86.2 - 112		9/26/2018	20:47

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54536.D



Method Blank Report

Client:

Neu-Velle

Project Reference:

RGE Front St. Former MGP

Lab Project ID:

184364

SDG #:

4364-01

Matrix:

Groundwater

Volatile Organics

	Result	<u>Units</u>	Qualifier	Date Analy	zed
	<1.00	ug/L		9/26/2018	12:08
	<2.00	ug/L		9/26/2018	12:08
	<2.00	ug/L		9/26/2018	12:08
	<2.00	ug/L		9/26/2018	12:08
	<2.00	ug/L		9/26/2018	12:08
	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Anal	<u>yzed</u>
	110	80.7 - 121		9/26/2018	12:08
	77.4	74.3 - 121		9/26/2018	12:08
	93.4	86.2 - 111		9/26/2018	12:08
	90.5	86.2 - 112		9/26/2018	12:08
EPA 8260C EPA 5030C x54514.D voaq180926 1					
	EPA 5030C x54514.D voaq180926	<1.00 <2.00 <2.00 <2.00 <2.00 <2.00 Percent Recovery 110 77.4 93.4 90.5 EPA 8260C EPA 5030C x54514.D voaq180926	<pre><1.00</pre>	<pre><1.00 ug/L <2.00 ug/L <2.00 ug/L <2.00 ug/L <2.00 ug/L <2.00 ug/L <2.00 ug/L</pre>	\$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \



QC Report for Laboratory Control Sample

Client:

Neu-Velle

Project Reference:

RGE Front St. Former MGP

Lab Project ID:

184364

SDG #:

4634-01

Matrix:

Groundwater

Volatile Organics

	<u>Spike</u>	<u>Spike</u>	LCS	LCS %	% Rec	LCS	<u>Date</u>
<u>Analyte</u>	<u>Added</u>	<u>Units</u>	Result	Recovery	<u>Limits</u>	<u>Outliers</u>	Analyzed
Benzene	20.0	ug/L	20.8	104	72 - 130		9/26/2018
Ethylbenzene	20.0	ug/L	20.7	103	57.4 - 130		9/26/2018
Toluene	20.0	ug/L	20.4	102	57.8 - 131		9/26/2018

Method Reference(s):

EPA 8260C

EPA 5030C

Data File:

x54513.D

QC Number:

1

QC Batch ID:

voaq180926



QC Report for Matrix Spike and Matrix Spike Duplicate

SDG #:

4364-01

Neu-Velle Lab

Lab Project ID:

184364

Project Reference:

RGE Front St. Former MGP

Lab Sample ID:

184364-08

Sample Identifier:

FS-0W102-092018

Matrix:

Client:

Groundwater

Date Sampled: 9/20/2018

Date Received: 9/21/2018

Date Analyzed: 9/26/2018

Volatile Organics

	<u>Sample</u>	Result	<u>MS</u>	MS	MS %	MSD	MSD	MSD %	% Rec.	<u>MS</u>	MSD	<u>Relative</u>	<u>RPD</u>	RPD
<u>Analyte</u>	Result	<u>Units</u>	<u>Added</u>	Result	Recovery	Added	Result	Recovery	<u>Limits</u>	<u>Outlier</u>	Outlier	% Diff.	<u>Limit</u>	<u>Outlier</u>
Benzene	< 1.00	ug/L	50.0	57.7	115	50.0	52.6	105	72 - 130			9.24	11.2	
Ethylbenzene	< 2.00	ug/L	50.0	56.8	114	50.0	51.3	103	57.4 - 130			10.2	11.8	
Toluene	< 2.00	ug/L	50.0	54.7	109	50.0	50.5	101	57.8 - 131			8.07	11.8	

Method Reference(s):

EPA 8260C

EPA 5030C

Data File(s):

x54538.D

x54539.D

x54533.D

1

QC Batch ID:

voaq180926

Any estimated values are displayed, and derived values calculated, based on numeric result only. See primary analytical report for data flags.



Method Blank Report

Client:

Neu-Velle

Project Reference:

RGE Front St. Former MGP

Lab Project ID:

184364

SDG #:

4364-01

Matrix:

Groundwater

Metals

Analyte

Result

Units

Oualifier

Date Analyzed

Lead

< 0.0100

mg/L

9/25/2018

16:23

Method Reference(s):

EPA 6010C

EPA 3005A

Preparation Date:

9/24/2018

Data File:

180925B

QC Batch ID:

QC180924water

QC Number:

1



QC Report for Laboratory Control Sample and Control Sample Duplicate

Client:

Neu-Velle

Project Reference:

RGE Front St. Former MGP

Lab Project ID:

184364

SDG #:

4364-01

Matrix:

Groundwater

Metals

LCS LCSD Spike LCS **LCSD** LCS % LCSD % LCS LCSD RPD % Rec Relative % RPD Date **Analyte** Added **Added Units** Result Result Recovery Recovery **Limits** Outliers Outliers Difference Limit **Outliers Analyzed** Lead 2.50 2.50 9/25/2018 mg/L 2.69 2.66 108 106 85 - 115 1.13 20

Method Reference(s):

EPA 6010C

EPA 3005A

Preparation Date:

9/24/2018

Data File:

180925B

QC Number:

1

QC Batch ID:

QC180924water



OC Report for Sample Spike and Sample Duplicate

SDG #:

4364-01

Client:

Neu-Velle

Lab Project ID: 184364

Project Reference:

RGE Front St. Former MGP

Lab Sample ID:

184364-08

Sample Identifier:

FS-0W102-092018

Matrix:

Groundwater

Date Sampled: 9/20/2018

Date Received: 9/21/2018

Metals

Duplicate Relative % RPD **RPD** Sample Result **Spike Spike** Spike % % Rec **Spike** Date <u>Analyte</u> Results **Units** Added Result Recovery Limits **Outliers** Result Difference Limit **Outliers Analyzed** 9/25/2018 Lead < 0.0100 mg/L 2.50 2.60 104 75 - 125 < 0.0100 NC 20

Method Reference(s):

EPA 6010C

EPA 3005A

Preparation Date:

9/24/2018

180925B

QC Batch ID:

QC180924water

NC = Not Calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Wednesday, September 26, 2018



Method Blank Report

Client:

Neu-Velle

Project Reference:

RGE Front St. Former MGP

Lab Project ID:

184364

SDG #:

4364-01

Matrix:

Groundwater

Semi-Volatile Organics (PAHs)

<u>Analyte</u>	Result	<u>Units</u>	Qualifier	Date Analy	zed
Acenaphthene	<10.0	ug/L		9/25/2018	19:35
Acenaphthylene	<10.0	ug/L		9/25/2018	19:35
Anthracene	<10.0	ug/L		9/25/2018	19:35
Benzo (a) anthracene	<10.0	ug/L		9/25/2018	19:35
Benzo (a) pyrene	<10.0	ug/L		9/25/2018	19:35
Benzo (b) fluoranthene	<10.0	ug/L		9/25/2018	19:35
Benzo (g,h,i) perylene	<10.0	ug/L		9/25/2018	19:35
Benzo (k) fluoranthene	<10.0	ug/L		9/25/2018	19:35
Chrysene	<10.0	ug/L		9/25/2018	19:35
Dibenz (a,h) anthracene	<10.0	ug/L		9/25/2018	19:35
Fluoranthene	<10.0	ug/L		9/25/2018	19:35
Fluorene	<10.0	ug/L		9/25/2018	19:35
Indeno (1,2,3-cd) pyrene	<10.0	ug/L		9/25/2018	19:35
Naphthalene	<10.0	ug/L		9/25/2018	19:35
Phenanthrene	<10.0	ug/L		9/25/2018	19:35
Pyrene	<10.0	ug/L		9/25/2018	19:35
Surrogate	Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Anal	yzed
2-Fluorobiphenyl	45.2	28.7 - 98.8		9/25/2018	19:35
Nitrobenzene-d5	65.8	47.4 - 94.5		9/25/2018	19:35

56.7 - 107

Terphenyl-d14

Method Reference(s):

EPA 8270D

EPA 3510C

Preparation Date: Data File:

9/25/2018 B31938.D

QC Batch ID:

QC180925ABNW

QC Number:

1

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

66.7

9/25/2018

19:35



QC Report for Laboratory Control Sample

Client:

Neu-Velle

Project Reference:

RGE Front St. Former MGP

Lab Project ID:

184364

SDG #:

4364-01

Matrix:

Groundwater

Semi-Volatile Organics (PAHs)

	<u>Spike</u>	<u>Spike</u>	LCS	LCS %	% Rec	<u>LCS</u>	<u>Date</u>
<u>Analyte</u>	Added	<u>Units</u>	<u>Result</u>	Recovery	<u>Limits</u>	<u>Outliers</u>	Analyzed
Acenaphthene	50000	ug/L	37100	74.2	50.7 - 107		9/25/2018
Pyrene	50000	ug/L	36600	73.1	51.5 - 115		9/25/2018

Method Reference(s):

EPA 8270D

EPA 3510C

Preparation Date:

9/25/2018

Data File:

B31939.D

QC Number:

1

QC Batch ID:

QC180925ABNW



OC Report for Matrix Spike and Matrix Spike Duplicate

SDG#:

4364-01

Client:

Neu-Velle

Lab Project ID:

184364

Project Reference:

RGE Front St. Former MGP

Lab Sample ID:

184364-08

Sample Identifier:

FS-0W102-092018

Date Received: 9/21/2018

Date Sampled: 9/20/2018

Matrix:

Groundwater

Date Analyzed: 9/26/2018

Semi-Volatile Organics (PAHs)

	<u>Sample</u>	Result	<u>MS</u>	<u>MS</u>	MS %	MSD	MSD	MSD %	% Rec.	<u>MS</u>	MSD	<u>Relative</u>	RPD	RPD
<u>Analyte</u>	Result	<u>Units</u>	<u>Added</u>	Result	Recovery	<u>Added</u>	<u>Result</u>	Recovery	<u>Limits</u>	<u>Outlier</u>	<u>Outlier</u>	% Diff.	<u>Limit</u>	<u>Outlier</u>
Acenaphthene	< 10.0	ug/L	50.0	39.5	78.9	50.0	42.7	85.5	50.7 - 107			7.94	25.2	
Pyrene	< 10.0	ug/L	50.0	40.4	80.7	50.0	43.0	86.0	51.5 - 115			6.28	26.6	

Method Reference(s): EPA 8270D EPA 3510C **Preparation Date:** 9/25/2018 Data File(s): B31973.D B31974.D B31972.D

QC Batch ID:

QC180925ABNW

Any estimated values are displayed, and derived values calculated, based on numeric result only. See primary analytical report for data flags.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

- "<" = Analyzed for but not detected at or above the quantitation limit.
- "E" = Result has been estimated, calibration limit exceeded.
- "Z" = See case narrative.
- "D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
- "M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
- "B" = Method blank contained trace levels of analyte. Refer to included method blank report.
- "I" = Result estimated between the quantitation limit and half the quantitation limit.
- "L" = Laboratory Control Sample recovery outside accepted QC limits.
- "P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
- "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
- "*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.
- "(1)" = Indicates data from primary column used for QC calculation.
- "A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
- "F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to reperform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against

any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any

environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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CHAIN OF CUSTODY

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See additional page for sample conditions 56

242



Chain of Custody Supplement

Client:	Neu-Velle	Completed by:	molphail
Lab Project ID:	Neu-Velle 184364	_ Date:	9/21/18
e.		tion Requirements 210/241/242/243/244	
Condition	NELAC compliance with the samp Yes	le condition requirements upor No	n receipt N/A
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Comments	·		
Transferred to method- compliant container		Щ	
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Chlorine Absent <0.10 ppm per test strip) Comments	<u> </u>		<u> </u>
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fficient Sample Quantity Comments			
		,	

Figure 1
Monitoring Well Location Map







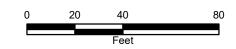
SHALLOW GROUNDWATER MONITORING WELL

DEEP GROUNDWATER MONITORING WELL

NOTE

1. MONITORING WELL LOCATIONS ARE APPROXIMATE.

ROCHESTER GAS AND ELECTRIC CORPORATION FRONT STREET FORMER MGP SITE ROCHESTER, NEW YORK



MONITORING WELL LOCATIONS

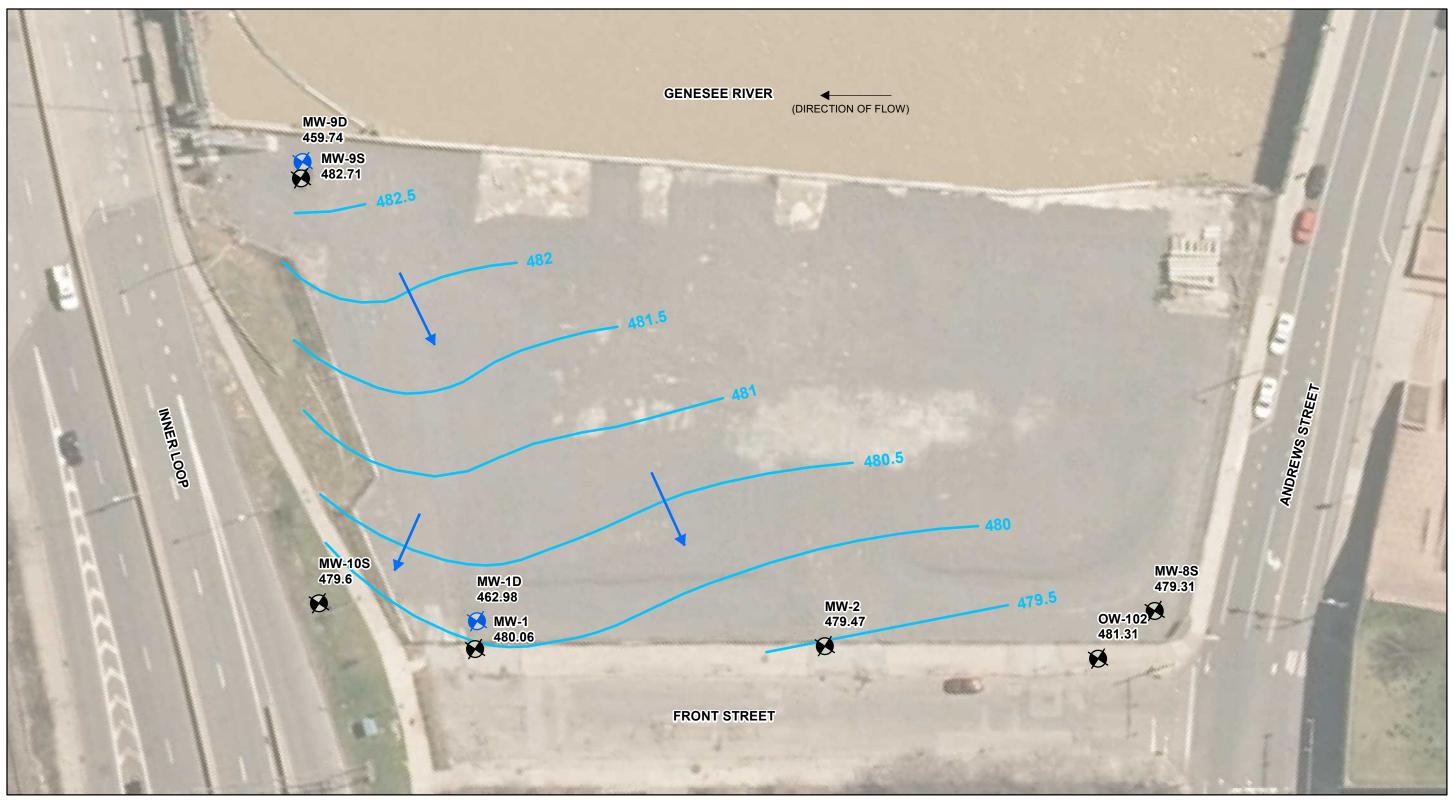


FIGURE 1



Figure 2 Shallow Groundwater Contour Map





LEGEND



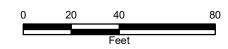
DEEP GROUNDWATER MONITORING WELL

GROUNDWATER FLOW DIRECTION

NOTES:

- 1. BASEMAP PROVIDED BY RG&E.
 2. MONITORING WELL LOCATIONS ARE APPROXIMATE.
 3. GROUNDWATER ELEVATION MEASURED
 SEPTEMBER 18, 2018 IN FEET ABOVE MEAN SEA
 LEVEL (RELATIVE TO NEW YORK STATE BARGE
 CANAL DATUM [BCD]).
 4. DEEP MONITORING WELLS NOT USED IN CREATION
 OF THIS MAP
- OF THIS MAP.

ROCHESTER GAS AND **ELECTRIC CORPORATION** FRONT STREET FORMER MGP SITE ROCHESTER, NEW YORK



SEPTEMBER 2018 SHALLOW GROUNDWATER **ELEVATION CONTOURS**

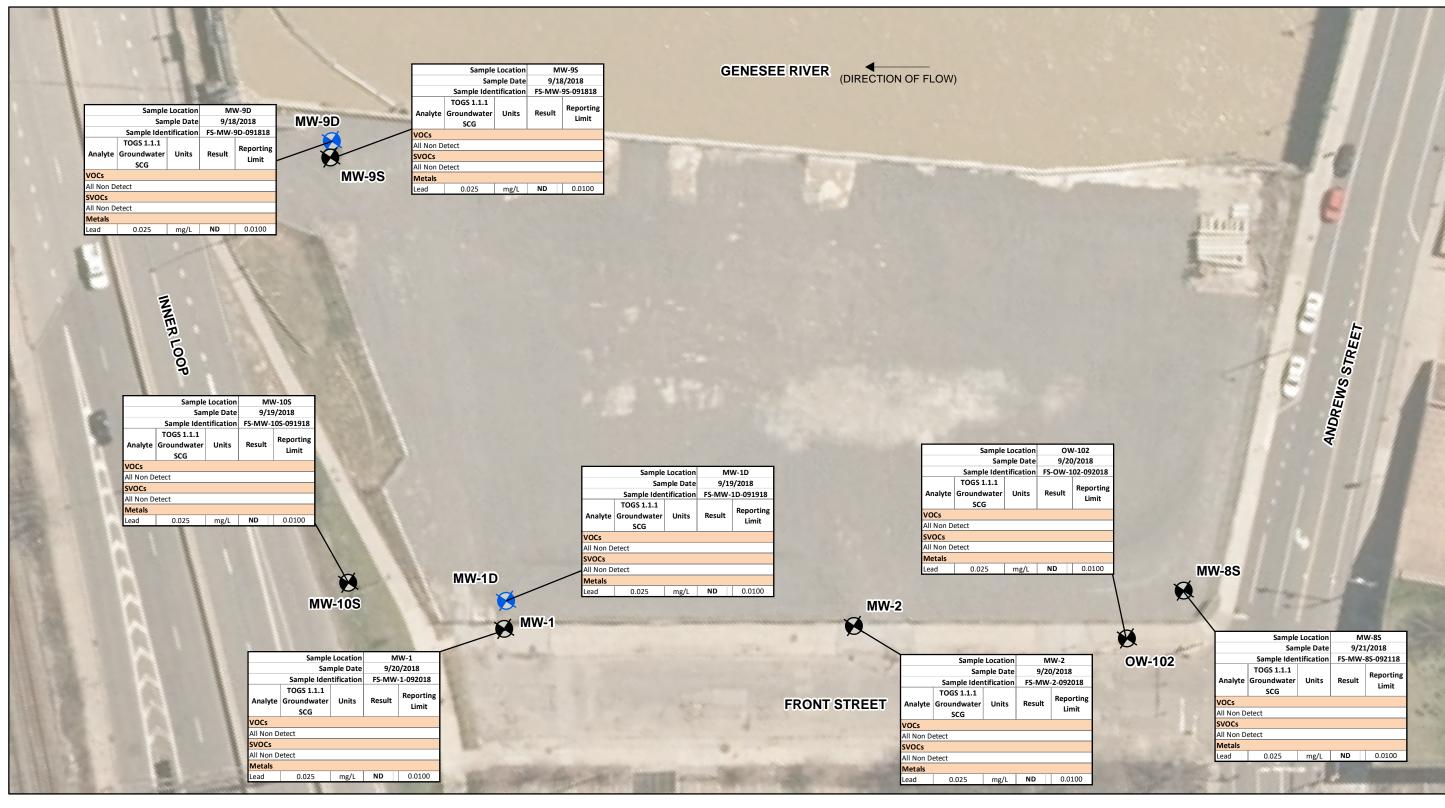


FIGURE 2



Figure 3
Groundwater Analytical Detections Map





LEGEND



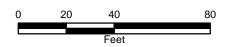
SHALLOW GROUNDWATER MONITORING WELL

1. BASEMAP PROVIDED BY RG&E.
2. MONITORING WELL LOCATIONS ARE APPROXIMATE.
3. ND = NOT DETECTED.
4. SVOCs = SEMI-VOLATILE ORGANIC COMPOUNDS.
5. VOCs = VOLATILE ORGANIC COMPOUNDS.



DEEP GROUNDWATER MONITORING WELL

ROCHESTER GAS AND ELECTRIC CORPORATION FRONT STREET FORMER MGP SITE ROCHESTER, NEW YORK



SEPTEMBER 2018 GROUNDWATER ANALYTICAL DETECTIONS



FIGURE 3



Table 1

Monitoring Well Reference Data and Groundwater Measurements



Table 1 Groundwater Elevations

RG&E - Front Street Site - Rochester, New York Post-Remediation Groundwater Monitoring Report

	TIC		Water Elevation (FT AMSL)										
Well ID	Elevation	11/3/2004	2/2/2005	8/23/2005	11/15/2010	10/26/2017	4/4/2018	9/18/2018					
OW-102	490.11	480.25	480.59	NM	478.61	481.23	481.38	481.31					
MW-1	491.03	480.13	480.28	480.16	480.03	480.44	480.44	480.06					
MW-1D	496.10	475.08	474.35	467.19	463.45	462.87	462.98	462.87					
MW-2	490.16	479.4	479.79	479.50	479.67	479.84	480.75	479.47					
MW-3S	495.20	482.51	483.24	481.54	482.08	DMW	DMW	DMW					
MW-3D	494.90	472.59	473.43	468.32	467.11	DMW	DMW	DMW					
MW-4S	496.00	483.89	483.57	483.60	482.57	DMW	DMW	DMW					
MW-4D	495.70	478.05	477.67	478.27	475.08	DMW	DMW	DMW					
MW-5D	496.10	469.85	469.39	465.25	462.03	DMW	DMW	DMW					
MW-6S	495.60	484.07	484.25	483.75	482.92	DMW	DMW	DMW					
MW-6D	495.40	468.16	467.97	465.99	464.90	DMW	DMW	DMW					
MW-7D	495.50	479.93	480.18	479.30	466.96	DMW	DMW	DMW					
MW-8S	494.00	480.5	480.56	480.47	480.39	480.29	480.69	479.31					
MW-9S	496.76	NM	NM	483.04	481.80	482.40	483.49	482.71					
MW-9D	496.42	NM	NM	469.52	458.87	459.87	459.74	459.54					
MW-10S	494.77	NM	NM	478.67	479.39	479.63	479.55	479.60					
PZ-2	493.70	480.26	480.48	480.36	NM	NM	NM	NM					
PZ-3	494.90	481.19	481.33	480.18	NM	NM	NM	NM					
PZ-7	497.70	482.23	483.23	482.62	NM	NM	NM	NM					
PZ-11	494.30	483.20	483.65	483.35	NM	NM	NM	NM					
PZ-17	494.70	484.34	483.79	483.97	NM	NM	NM	NM					
PZ-19	497.50	487.65	487.24	487.54	NM	NM	NM	NM					
PZ-20	494.40	483.03	482.79	484.28	NM	NM	NM	NM					
PZ-22	494.20	486.42	485.77	486.44	NM	NM	NM	NM					
PZ-26	494.00	483.88	483.29	483.35	NM	NM	NM	NM					
PZ-30	496.20	483.74	483.18	483.63	NM	NM	NM	NM					
SG-1	493.10	483.96	484.14	NM	LNK	LNK	LNK	LNK					
SG-2	493.10	483.97	484.18	NM	LNK	LNK	LNK	LNK					

Notes:

- 1. Depth to water measured by NEU-VELLE on 9/18/2018 and 9/19/2018 (MW-1D).
- 2. ft AMSL = Feet above mean sea level (relative to New York State Barge Canal Datum [BCD]).
- 3. NM = Not measured.
- 4. DMW = Decommissioned Monitoring Well
- 5. LNK = Location Not Know
- 6. TIC = Top of Inner Casing

DECEMBER 2018 Page 1 of 1

Table 2
Groundwater Sample Analytical Results



TABLE 2 (Page 1 of 2)
BTEX, PAHS, AND LEAD GROUNDWATER RESULTS
EXISTING MONITORING WELLS
POST-REMEDIATION GROUNDWATER MONITORING REPORT
ROCHESTER GAS & ELECTRIC
FRONT STREET FORMER MGP SITE
ROCHESTER, NEW YORK

				1011		101/ (5	100 (0	100.00		1011.0	10110	101/00	1011.00			1011.00
Monitoring Well		NYSDEC	MVV-1	MW-1	MW-1	MW-1D	MW-1D	MW-1D	MW-2	MW-2	MW-2	MW-8S	MW-8S	Duplicate	Equipment Blank	MW-8S
Sample ID	Units	TOGS 1.1.1	FS-MW-1	FS-MW1-040518	FS-MW1-092018	FS-MW-1D	FS-MW1D-040418	FS-MW1D-091918	FS-MW-2	FS-MW2-040518	FS-MW2-092018	FS-MW-8S	FS-MW9S-040618		FS-EB-040518	FS-MW8S-092118
Lab Sample ID		Class GA1	1744860.01	181297-07	184364-06	174860-07	181297-03	184364-03	174860-08	181297-05	184364-07	174860-03	181297-09	181297-10	181297-06	184364-10
Date Sampled		Oldoo Or t	10/28/2017	4/5/2018	9/20/2018	10/31/2017	4/4/2018	9/19/2018	10/31/2017	4/5/2018	9/20/2018	10/30/2017	4/6/20)18	4/5/2018	9/21/2018
Volatiles																
Benzene	μg/L	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	μg/L	5*	2 Ü	2 U	2 Ü	2 Ü	2 U	2 Ü	2 Ü	2 U	2 U	2 Ü	2 U	2 U	2 U	2 U
Toluene	μg/L	5*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Xvlene (total)	μg/L	5*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
m,p-Xylenes	μg/L	5*	NA	2 U	2 U	NA	2 U	2 U	NA	2 U	2 U	NA	2 U	2 U	2 U	2 U
o-Xylene	μg/L	5*	NA	2 U	2 U	NA	2 U	2 U	NA	2 U	2 U	NA	2 U	2 U	2 U	2 U
Semi-Volatiles																
Acenaphthene	μg/L	20**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	μg/L	NL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	μg/L	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	μg/L	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	μg/L	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	μg/L	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	μg/L	NL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	μg/L	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	μg/L	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	μg/L	NL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	μg/L	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	μg/L	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	μg/L	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	μg/L	10**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	μg/L	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	μg/L	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
<u>Metals</u>																
	mg/L	0.025	0.01 U	0.01 U	0.01 U	0.0120	0.01 U	0.01 U	0.00728	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Notes: NT = Not Tested NA = Not Available

NA = Not Available
NL = Not Listed
MDL = Method Detection Limit
D - Indicates that the result is from a diluted run
J - Indicates an estimated value.
U - Indicates that the constituent was not detected at the reported detection limit.
Bold highlighted values - compound detected above regulatory standard or guidance value.

'Class GA Drinking Water Standard or Guidance Value
ND = Non-detectable concentration by the approved analytical methods referenced in 6 NYCRR 700.3

**Class GA Guidance Value

TABLE 2 (Page 2 of 2)
BTEX, PAHS, AND LEAD GROUNDWATER RESULTS
EXISTING MONITORING WELLS
POST-REMEDIATION GROUNDWATER MONITORING REPORT
ROCHESTER GAS & ELECTRIC
FRONT STREET FORMER MGP SITE
ROCHESTER, NEW YORK

Monitoring Well			MW-9S	MW-9S	MW-9S	MW-9D	MW-9D	MW-9D	MW-10S	MW-10S	MW-10S	Duplicate	Equipment Blank	OW-102	OW-102	OW-102
Sample ID		NYSDEC	FS-MW-9S	FS-MW9S-040418	FS-MW9S-091818	FS-MW-9D	FS-MW9D-040418		FS-MW-10S		FS-MW10S-091918		FS-EB-092118	FS-OW-102	FS-OW102-040518	
Lab Sample ID	Units	TOGS 1.1.1	174860-04	181297-01	184364-02	174860-05	181297-02	184364-01	174860-02	181297-08	184364-04	184364-05	184364-09	174860-09	181297-04	184364-08
Date Sampled		Class GA ¹	10/30/2017	4/4/2018	9/18/2018	10/30/2017	4/4/2018	9/18/2018	10/28/2017	4/5/2018		/2018	9/21/2018	10/31/2017	4/5/2018	9/20/2018
Date Sampled			10/30/2017	4/4/2010	3/10/2010	10/30/2017	4/4/2010	3/10/2010	10/20/2017	4/5/2010	3/13/	2010	3/21/2010	10/31/2017	4/3/2010	3/20/2010
Volatiles																
Benzene	μg/L	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	μg/L	5*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Toluene	μg/L	5*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Xylene (total)	μg/L	5*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
m,p-Xylenes	μg/L	5*	NA	2 U	2 U	NA	2 U	2 U	NA	2 U	2 U	2 U	2 U	NA	2 U	2 U
o-Xylene	μg/L	5*	NA	2 U	2 U	NA	2 U	2 U	NA	2 U	2 U	2 U	2 U	NA	2 U	2 U
Semi-Volatiles																
Acenaphthene	μg/L	20**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	μg/L	NL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	μg/L	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	μg/L	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	μg/L	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	μg/L	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	μg/L	NL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	μg/L	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	μg/L	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	μg/L	NL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	μg/L	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	μg/L	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	μg/L	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	μg/L	10**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	μg/L	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	μg/L	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Metals																
Lead	mg/L	0.025	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0104	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

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