



August 2, 2019

Reference No. 11119593

Mr. Eugene Melnyk
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203

Dear Mr. Melnyk:

**Re: Groundwater Sampling Results
NYSDEC BCP Site No. C915284
1130 Niagara Street, Buffalo, NY**

GHD Services, Inc. (GHD) completed groundwater sampling for emerging contaminants on behalf of Jenesis Development, LLC (Jenesis) at the 1130 Niagara Street Site, NYSDEC Site No. C915284 (Site). The sampling was completed April 2019 in accordance with GHD's approved work plan dated March 26, 2019. In addition, Jenesis requested that GHD complete a round of groundwater sampling for volatile organic compounds (VOCs) to obtain an up-to-date snapshot of groundwater quality at the Site. The VOC sampling was completed in May 2019.

Tables 1 and 2 present the summary of results for the emerging contaminants and VOCs, respectively. Table 1 indicates that the concentrations of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) are below the current USEPA health advisory for drinking water. There are no criteria for the other per/polyfluoroalkyl substances (PFAs).

Table 2 indicates exceedances of the NYSDEC groundwater criteria for chlorinated VOCs at monitoring wells CRA-MW-2, MW-8, MW-9, MW-10, MW-13, MW-18, MW-101, MW-102, MW-103, and MW-105 at concentrations generally consistent with past events with no significant changes observed.

The data will be incorporated into a revised Remedial Investigation/Alternatives Analysis/Interim Remedial Measures report, along with any modifications to the proposed remedy upon direction from Jenesis.



Please do not hesitate to contact me at (716) 856-2142 if you have any questions.

Sincerely,

GHD

A handwritten signature in dark ink, appearing to read "Christopher P. Martin", with a long, sweeping horizontal line extending to the right.

Christopher P. Martin

Senior Project Manager

CPM/KBG/ck

Encl.

cc: D. Flynn, Phillips Lytle LLP
D. Burgess, Jenesis Development LLC
W. Grieshober, Jenesis Development LLC
K. Galanti, GHD

Table 1
Emerging Contaminants Results Summary
1130 Niagara Street Site (C915284)
Buffalo, New York

Location ID:		CRA-MW-2	MW-13	MW-17	MW-17
Sample Name:		WG-11119593-042919-SG-005	WG-11119593-042919-SG-004	WG-11119593-042919-SG-001	WG-11119593-042919-SG-003
Sample Date:		04/29/2019	04/29/2019	04/29/2019	04/29/2019
Depth:		--	--	--	--
		Duplicate			
Parameters	Unit				
Semivolatile Organic Compounds, SIM					
1,4-Dioxane	µg/L	650 J	0.59 U	0.62 U	0.63 U
Per/Polyfluoroalkyl Substances (PFAS)					
Fluorotelomer sulfonic acid(8:2)	ng/L	81 UJ	84 U	81 UJ	80 UJ
N-Ethyl perfluorooctane sulfonamidoacetic acid	ng/L	81 UJ	84 U	81 UJ	80 UJ
N-Methyl perfluorooctane sulfonamido acetic acid	ng/L	81 UJ	84 U	81 UJ	80 UJ
Perfluorobutane sulfonic acid (PFBS)	ng/L	34 J	9.7	11 J	3.2 J
Perfluorobutanoic acid (PFBA)	ng/L	8.1 UJ	72	26 J	11 J
Perfluorodecanesulfonic acid (PFDS)	ng/L	8.1 UJ	8.4 U	8.1 UJ	8.0 UJ
Perfluorodecanoic acid (PFDA)	ng/L	8.1 UJ	8.4 U	8.1 UJ	8.0 UJ
Perfluorododecanoic acid (PFDoDA)	ng/L	8.1 UJ	8.4 U	8.1 UJ	8.0 UJ
Perfluoroheptane sulfonic acid (PFHpS)	ng/L	8.1 UJ	8.4 U	8.1 UJ	8.0 UJ
Perfluoroheptanoic acid (PFHpA)	ng/L	8.1 UJ	4.9 J	8.1 UJ	4.2 J
Perfluorohexane sulfonic acid (PFHxS)	ng/L	8.1 UJ	8.4 U	8.1 UJ	8.0 UJ
Perfluorohexanoic acid (PFHxA)	ng/L	8.1 UJ	8.7	14 J	14 J
Perfluorononanoic acid (PFNA)	ng/L	8.1 UJ	8.4 U	8.1 UJ	8.0 UJ
Perfluorooctane sulfonamide (FOSA)	ng/L	8.1 UJ	8.4 U	8.1 UJ	8.0 UJ
Perfluorooctane sulfonic acid (PFOS)	ng/L	10 J	8.4 U	8.1 UJ	8.0 UJ
Perfluorooctanoic acid (PFOA)	ng/L	6.1 J	13	3.0 J	4.6 J
Perfluoropentanoic acid (PFPeA)	ng/L	8.1 UJ	32	25 J	23 J
Perfluorotetradecanoic acid (PFTeDA)	ng/L	8.1 UJ	8.4 U	8.1 UJ	8.0 UJ
Perfluorotridecanoic acid (PFTTrDA)	ng/L	8.1 UJ	8.4 U	8.1 UJ	8.0 UJ
Perfluoroundecanoic acid (PFUnA)	ng/L	8.1 UJ	8.4 U	8.1 UJ	8.0 UJ
Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	ng/L	81 UJ	84 U	81 UJ	80 UJ

Table 1
Emerging Contaminants Results Summary
1130 Niagara Street Site (C915284)
Buffalo, New York

Location ID:	MW-105	Field Blank	Rinse Blank
Sample Name:	WG-11119593-042919-SG-006	FB-11119593-042919-SG-002	RB-11119593-042919-SG-007
Sample Date:	04/29/2019	04/29/2019	04/29/2019
Depth:	--	--	--

Parameters	Unit			
Semivolatile Organic Compounds, SIM				
1,4-Dioxane	µg/L	150	0.20 U	0.61
Per/Polyfluoroalkyl Substances (PFAS)				
Fluorotelomer sulfonic acid(8:2)	ng/L	84 UJ	17 U	16 U
N-Ethyl perfluorooctane sulfonamidoacetic acid	ng/L	84 U	17 U	16 U
N-Methyl perfluorooctane sulfonamido acetic acid	ng/L	84 U	17 U	16 U
Perfluorobutane sulfonic acid (PFBS)	ng/L	20 J	1.7 U	1.6 U
Perfluorobutanoic acid (PFBA)	ng/L	8.4 U	1.7 U	1.6 U
Perfluorodecanesulfonic acid (PFDS)	ng/L	8.4 U	1.7 U	1.6 U
Perfluorodecanoic acid (PFDA)	ng/L	8.4 U	1.7 U	1.6 U
Perfluorododecanoic acid (PFDoDA)	ng/L	8.4 U	1.7 U	1.6 U
Perfluoroheptane sulfonic acid (PFHpS)	ng/L	8.4 U	1.7 U	1.6 U
Perfluoroheptanoic acid (PFHpA)	ng/L	8.4 U	1.7 U	1.6 U
Perfluorohexane sulfonic acid (PFHxS)	ng/L	8.4 U	1.7 U	1.6 U
Perfluorohexanoic acid (PFHxA)	ng/L	8.4 UJ	1.7 U	1.6 U
Perfluorononanoic acid (PFNA)	ng/L	8.4 U	1.7 U	1.6 U
Perfluorooctane sulfonamide (FOSA)	ng/L	8.4 U	1.7 U	1.6 U
Perfluorooctane sulfonic acid (PFOS)	ng/L	8.4 U	1.7 U	1.2 J
Perfluorooctanoic acid (PFOA)	ng/L	8.4 U	1.7 U	1.6 U
Perfluoropentanoic acid (PFPeA)	ng/L	8.4 U	1.7 U	1.6 U
Perfluorotetradecanoic acid (PFTeDA)	ng/L	8.4 U	1.7 U	1.6 U
Perfluorotridecanoic acid (PFTrDA)	ng/L	8.4 U	1.7 U	1.6 U
Perfluoroundecanoic acid (PFUnA)	ng/L	8.4 U	1.7 U	1.6 U
Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	ng/L	84 UJ	17 U	16 U

Table 2
Analytical Results Summary -
Groundwater
1130 Niagara Street Site (C915284)
Buffalo, New York

Location ID:		CEM-MW-3		CRA-MW-2		MW-8		MW-9		MW-10		MW-13	
Sample Name:		WG-11119593-050619-SG-003		WG-11119593-050819-SG-014		WG-11119593-050819-SG-011		WG-11119593-050619-SG-008		WG-11119593-050619-SG-002		WG-11119593-050619-SG-005	
Sample Date:		05/06/2019		05/08/2019		05/08/2019		05/06/2019		05/06/2019		05/06/2019	
Parameters	Unit	NYSDEC TOGS 1.1.1 Groundwater Quality Standards											
Volatile Organic Compounds													
1,1,1-Trichloroethane	µg/L	5	1.0 U	20000		210		1.0 U		1.5	20		
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,1,2-Trichloroethane	µg/L	1	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,1-Dichloroethane	µg/L	5	1.0 U	650 J		46 J		1.0 U		1.0 U	2.0		
1,1-Dichloroethene	µg/L	5	1.0 U	4600		210		1.0 U		1.0 U	1.4		
1,2,4-Trichlorobenzene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,2,4-Trimethylbenzene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,2-Dichlorobenzene	µg/L	3	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,2-Dichloroethane	µg/L	0.6	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,2-Dichloropropane	µg/L	1	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,3,5-Trimethylbenzene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,3-Dichlorobenzene	µg/L	3	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
1,4-Dichlorobenzene	µg/L	3	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	10 U	10000 U		1000 U		10 U		10 U	10 U		
2-Hexanone	µg/L	50	5.0 U	5000 U		500 U		5.0 U		5.0 U	5.0 U		
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	5000 U		500 U		5.0 U		5.0 U	5.0 U		
Acetone	µg/L	50	10 U	10000 U		1000 U		5.8 J		10 U	10 U		
Benzene	µg/L	1	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Bromodichloromethane	µg/L	50	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Bromoform	µg/L	50	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Bromomethane (Methyl bromide)	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Carbon disulfide	µg/L	60	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Carbon tetrachloride	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Chlorobenzene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Chloroethane	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Chloroform (Trichloromethane)	µg/L	7	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Chloromethane (Methyl chloride)	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1700		230		4.2		1.0 U	1.0 U		
cis-1,3-Dichloropropene	µg/L	0.4	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Cyclohexane	µg/L	-	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Cymene (p-Isopropyltoluene)	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Dibromochloromethane	µg/L	50	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Dichlorodifluoromethane (CFC-12)	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Ethylbenzene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Isopropyl benzene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Methyl acetate	µg/L	-	2.5 UJ	2500 UJ		250 UJ		2.5 UJ		2.5 UJ	2.5 UJ		
Methyl cyclohexane	µg/L	-	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Methyl tert butyl ether (MTBE)	µg/L	10	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Methylene chloride	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Naphthalene	µg/L	10	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
N-Butylbenzene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
N-Propylbenzene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Styrene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
tert-Butylbenzene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Tetrachloroethene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Toluene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
trans-1,3-Dichloropropene	µg/L	0.4	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Trichloroethene	µg/L	5	1.0 U	67000		3300		8.0		12	6.1		
Trichlorofluoromethane (CFC-11)	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		
Trifluorotrichloroethane (CFC-113)	µg/L	5	1.0 U	1000 U		100 U		1.0 U		1.0 U	1.0 U		

Table 2
Analytical Results Summary -
Groundwater
1130 Niagara Street Site (C915284)
Buffalo, New York

Location ID: Sample Name: Sample Date:		CEM-MW-3 WG-11119593-050619-SG-003 05/06/2019		CRA-MW-2 WG-11119593-050819-SG-014 05/08/2019		MW-8 WG-11119593-050819-SG-011 05/08/2019		MW-9 WG-11119593-050619-SG-008 05/06/2019		MW-10 WG-11119593-050619-SG-002 05/06/2019		MW-13 WG-11119593-050619-SG-005 05/06/2019	
Parameters	Unit	NYSDEC TOGS 1.1.1 Groundwater Quality Standards											
Vinyl chloride	µg/L	2		1.0 U		1000 U		100 U		1.0 U		1.0 U	
Xylenes (total)	µg/L	5		2.0 U		2000 U		200 U		2.0 U		2.0 U	

Notes:

J - Estimated concentration

U - Not detected at the associated reporting limit

UJ - Not detected; associated reporting limit is estimated

Table 2
Analytical Results Summary -
Groundwater
1130 Niagara Street Site (C915284)
Buffalo, New York

Location ID:		MW-13	MW-17	MW-18	MW-101	MW-102	MW-103	
Sample Name:		WG-11119593-050619-SG-007	WG-11119593-050619-SG-006	WG-11119593-050819-SG-015	WG-11119593-050619-SG-001	WG-11119593-050819-SG-012	WG-11119593-050819-SG-009	
Sample Date:		05/06/2019	05/06/2019	05/08/2019	05/06/2019	05/08/2019	05/08/2019	
Parameters	Unit	NYSDEC TOGS 1.1.1 Groundwater Quality Standards						
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	5	20	1.0 U	230	13	42000	36
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,1-Dichloroethane	µg/L	5	1.9	0.64 J	46 J	360	3700	180
1,1-Dichloroethene	µg/L	5	1.3	1.0 U	97	170	12000	45
1,2,4-Trichlorobenzene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,2,4-Trimethylbenzene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,2-Dichlorobenzene	µg/L	3	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,2-Dichloroethane	µg/L	0.6	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,2-Dichloropropane	µg/L	1	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,3,5-Trimethylbenzene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,3-Dichlorobenzene	µg/L	3	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
1,4-Dichlorobenzene	µg/L	3	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	10 U	10 U	500 U	80 U	20000 U	80 U
2-Hexanone	µg/L	50	5.0 U	5.0 U	250 U	40 U	10000 U	40 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	5.0 U	250 U	40 U	10000 U	40 U
Acetone	µg/L	50	3.5 J	10 U	500 U	80 U	20000 U	80 U
Benzene	µg/L	1	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Bromodichloromethane	µg/L	50	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Bromoform	µg/L	50	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Bromomethane (Methyl bromide)	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Carbon disulfide	µg/L	60	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Carbon tetrachloride	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Chlorobenzene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Chloroethane	µg/L	5	1.0 U	1.0 U	50 U	140	2000 U	8.0 U
Chloroform (Trichloromethane)	µg/L	7	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Chloromethane (Methyl chloride)	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	62	56	82000	350
cis-1,3-Dichloropropene	µg/L	0.4	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Cyclohexane	µg/L	-	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Cymene (p-Isopropyltoluene)	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Dibromochloromethane	µg/L	50	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Ethylbenzene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Isopropyl benzene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Methyl acetate	µg/L	-	2.5 UJ	2.5 UJ	130 UJ	20 UJ	5000 UJ	20 UJ
Methyl cyclohexane	µg/L	-	1.0 U	1.0 U	50 U	1.4 J	2000 U	8.0 U
Methyl tert butyl ether (MTBE)	µg/L	10	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Methylene chloride	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Naphthalene	µg/L	10	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
N-Butylbenzene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
N-Propylbenzene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Styrene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
tert-Butylbenzene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Tetrachloroethene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Toluene	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	50 U	11	2000 U	10
trans-1,3-Dichloropropene	µg/L	0.4	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Trichloroethene	µg/L	5	6.6	1.0 U	2200	6.7 J	65000	20
Trichlorofluoromethane (CFC-11)	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U
Trifluorotrichloroethane (CFC-113)	µg/L	5	1.0 U	1.0 U	50 U	8.0 U	2000 U	8.0 U

Table 2
Analytical Results Summary -
Groundwater
1130 Niagara Street Site (C915284)
Buffalo, New York

Location ID: Sample Name: Sample Date:			MW-13 WG-11119593-050619-SG-007 05/06/2019 Duplicate	MW-17 WG-11119593-050619-SG-006 05/06/2019	MW-18 WG-11119593-050819-SG-015 05/08/2019	MW-101 WG-11119593-050619-SG-001 05/06/2019	MW-102 WG-11119593-050819-SG-012 05/08/2019	MW-103 WG-11119593-050819-SG-009 05/08/2019
Parameters	Unit	NYSDEC TOGS 1.1.1 Groundwater Quality Standards						
Vinyl chloride	µg/L	2	1.0 U	1.0 U	50 U	45	2000 U	150
Xylenes (total)	µg/L	5	2.0 U	2.0 U	100 U	16 U	4000 U	16 U

Notes:

J - Estimated concentration

U - Not detected at the associated reporting limit

UJ - Not detected; associated reporting limit is estimated

Table 2
Analytical Results Summary -
Groundwater
1130 Niagara Street Site (C915284)
Buffalo, New York

Location ID:		MW-104		MW-105
Sample Name:		WG-11119593-050619-SG-004		WG-11119593-050819-SG-010
Sample Date:		05/06/2019		05/08/2019
Parameters	Unit	NYSDEC TOGS 1.1.1 Groundwater Quality Standards		
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	5	4.0 U	910
1,1,1,2-Tetrachloroethane	µg/L	5	4.0 U	200 U
1,1,2-Trichloroethane	µg/L	1	4.0 U	200 U
1,1-Dichloroethane	µg/L	5	4.0 U	76 J
1,1-Dichloroethene	µg/L	5	4.0 U	370
1,2,4-Trichlorobenzene	µg/L	5	4.0 U	200 U
1,2,4-Trimethylbenzene	µg/L	5	4.0 U	200 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	4.0 U	200 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	4.0 U	200 U
1,2-Dichlorobenzene	µg/L	3	4.0 U	200 U
1,2-Dichloroethane	µg/L	0.6	4.0 U	200 U
1,2-Dichloropropane	µg/L	1	4.0 U	200 U
1,3,5-Trimethylbenzene	µg/L	5	4.0 U	200 U
1,3-Dichlorobenzene	µg/L	3	4.0 U	200 U
1,4-Dichlorobenzene	µg/L	3	4.0 U	200 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	6.0 J	2000 U
2-Hexanone	µg/L	50	20 U	1000 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	4.0 U	200 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	20 U	1000 U
Acetone	µg/L	50	18 J	2000 U
Benzene	µg/L	1	4.0 U	200 U
Bromodichloromethane	µg/L	50	4.0 U	200 U
Bromoform	µg/L	50	4.0 U	200 U
Bromomethane (Methyl bromide)	µg/L	5	4.0 U	200 U
Carbon disulfide	µg/L	60	4.0 U	200 U
Carbon tetrachloride	µg/L	5	4.0 U	200 U
Chlorobenzene	µg/L	5	4.0 U	200 U
Chloroethane	µg/L	5	4.0 U	200 U
Chloroform (Trichloromethane)	µg/L	7	4.0 U	200 U
Chloromethane (Methyl chloride)	µg/L	5	4.0 U	200 U
cis-1,2-Dichloroethene	µg/L	5	4.0 U	250
cis-1,3-Dichloropropene	µg/L	0.4	4.0 U	200 U
Cyclohexane	µg/L	-	7.6	200 U
Cymene (p-Isopropyltoluene)	µg/L	5	4.0 U	200 U
Dibromochloromethane	µg/L	50	4.0 U	200 U
Dichlorodifluoromethane (CFC-12)	µg/L	5	4.0 U	200 U
Ethylbenzene	µg/L	5	4.0 U	200 U
Isopropyl benzene	µg/L	5	4.0 U	200 U
Methyl acetate	µg/L	-	10 UJ	500 UJ
Methyl cyclohexane	µg/L	-	5.9	200 U
Methyl tert butyl ether (MTBE)	µg/L	10	4.0 U	200 U
Methylene chloride	µg/L	5	4.0 U	200 U
Naphthalene	µg/L	10	4.0 U	200 U
N-Butylbenzene	µg/L	5	4.0 U	200 U
N-Propylbenzene	µg/L	5	4.0 U	200 U
Styrene	µg/L	5	4.0 U	200 U
tert-Butylbenzene	µg/L	5	4.0 U	200 U
Tetrachloroethene	µg/L	5	4.0 U	200 U
Toluene	µg/L	5	4.0 U	200 U
trans-1,2-Dichloroethene	µg/L	5	4.0 U	200 U
trans-1,3-Dichloropropene	µg/L	0.4	4.0 U	200 U
Trichloroethene	µg/L	5	4.0 U	6700
Trichlorofluoromethane (CFC-11)	µg/L	5	4.0 U	200 U
Trifluorotrichloroethane (CFC-113)	µg/L	5	4.0 U	200 U

Table 2
Analytical Results Summary -
Groundwater
1130 Niagara Street Site (C915284)
Buffalo, New York

Location ID:		MW-104		MW-105
Sample Name:		WG-11119593-050619-SG-004		WG-11119593-050819-SG-010
Sample Date:		05/06/2019		05/08/2019
NYSDEC				
TOGS 1.1.1				
Parameters	Unit	Groundwater		
		Quality Standards		
Vinyl chloride	µg/L	2	4.0 U	200 U
Xylenes (total)	µg/L	5	8.0 U	400 U

Notes:

- J - Estimated concentration
- U - Not detected at the associated reporting limit
- UJ - Not detected; associated reporting limit is estimated