NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
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October 6, 2016

Mr. Mike McAlpin
OBI, LLC
255 Hollenbeck Street
Rochester, New York 14621

Dear Mr. McAlpin;

Re: OBI, LLC Site #828188
Supplemental RI Work Plan;
September 6, 2016
245-265 & 271 Hollenbeck Street and 50 Balfour Drive
City of Rochester, Monroe County

The New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH), collectively referred to as the Departments, have completed their review of the document entitled *"Supplemental RI Work Plan"* (the Work Plan) dated September 6, 2016 and prepared by Day Environmental, Inc for the OBI, LLC site in the City of Rochester, Monroe County. Based on the information and representations provided in the Work Plan, and in accordance with 6 NYCRR 375-1.6, the Departments have determined that the Work Plan substantially addresses the requirements of the Order-on-Consent. The Work Plan is hereby approved.

Thank you for your cooperation in this matter and please contact me at (585) 226-5357 if you have any questions.

Sincerely,

Frank Sowers

Frank Sowers, P.E.
Environmental Engineer 2

ec:
B. Schilling
J. Nealon
H. McLennan
W. Silkworth
J. Frazer

day
DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

September 6, 2016

Frank Sowers, P.E.
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414-8519

RE: Supplemental RI Work Plan
OBI, LLC Site
245-265 & 271 Hollenbeck Street and 50 Balfour Drive, Rochester, New York
NYSDEC Site #828188
Site Index #B8-0815-13-10

Dear Mr. Sowers:

On behalf of OBI, LLC, Day Environmental, Inc. (DAY) is in the process of completing a Remedial Investigation / Feasibility Study (RI/FS) of the above referenced property (Site) as outlined in the RI/FS work plan dated August 13, 2015 and approved by the New York State Department of Environmental Conservation (NYSDEC) in a letter dated December 21, 2015 (Approval Letter). The Approval Letter included a requirement for preparation of a supplemental RI work plan to identify the monitoring wells and analytical testing proposed for a second round of groundwater sampling, provide a schedule for collection of the samples, and identify a schedule for submitting either the next supplemental RI work plan or the RI Report and Feasibility Study. This letter serves as the Supplemental RI work plan concerning the above-referenced project, as required by the Approval Letter.

The RI work completed to date included an initial round of groundwater sampling completed in May/June 2016. Specifically, 27 overburden and groundwater samples were collected and analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) and Tentatively Identified Compounds (TICs), TCL Semi-Volatile Organic Compounds (SVOCs) and TICs, Target Analyte List (TAL) Metals, Cyanide, Polychlorinated Biphenyls (PCBs) and Pesticides (Note: As approved by the NYSDEC project manager, the initial groundwater sample collected from MW-H was tested only for TCL VOCs and TICs due to lack of adequate groundwater volume). A Draft Site Plan (Figure 1) showing the locations of groundwater monitoring wells is included in Attachment A. The analytical laboratory test results detected chlorinated VOCs in the groundwater at the Site at concentrations exceeding NYSDEC TOGS 1.1.1 groundwater standards or guidance values. In addition, analytical laboratory test results detected some metals and one cyanide sample at concentrations exceeding TOGS 1.1.1 groundwater standards or guidance values. However, the majority of metals exceeding the TOGS 1.1.1 groundwater standards or guidance values appear attributable to naturally occurring conditions, and the remaining metals exceeding the TOGS 1.1.1 groundwater standards or guidance values are sporadic. Detected concentrations of SVOCs, PCBs, and pesticides were below the TOGS 1.1.1 groundwater standards or guidance values. Draft summary tables of the analytical results are provided in Attachment B.

Based on the findings of the initial round of groundwater sampling, the supplemental RI second round of groundwater sampling will consist of the activities listed below.

Wells to be sampled: Each of the 20 overburden monitoring wells and the seven bedrock monitoring wells (refer to Table 1 and Site Plan)

Analytical Parameters:

TCL VOCs & TICs via United States Environmental Protection Agency (USEPA) Method 8260: Overburden monitoring wells MW-1, MW-3, MW-5, MW-6, MW-8, MW-9, MW-10, MW-12, MW-13, MW-16, MW-17, MW-18, MW-19, MW-B, MW-D, MW-G, MW-H, MW-M, MW-P, MW-Q and bedrock monitoring wells MW-1R, MW-3R, MW-7R, MW-10R, MW12-R, MW-13R, MW-19R.

TCL SVOC & TICs via USEPA Method 8270: Overburden monitoring wells MW-Q and MW-17.

TAL Metals via USEPA Method 6010 and 7470 and Cyanide via USEPA Method 9012: MW-Q.

Sampling Methods: Wells that are to be sampled for VOCs only will be sampled using passive diffusion bags (PDBs). PDBs will be filled with deionized water obtained from the analytical laboratory, deployed into the water column of the monitoring well, and retrieved a minimum of 14 days following deployment. To the extent possible, the center of the PDB will be located at a similar depth as the intake of the bladder pump established at each well during the low-flow sampling completed in May/June 2016. Wells that are to also be sampled for SVOCs and metals/cyanide will be collected using low-flow sampling techniques, as described in the Quality Assurance Project Plan (QAPP) of the RI work plan. Note: if an insufficient water column is present in a monitoring well to fully submerge the PDB, the NYSDEC Project Manager will be contacted to discuss possible alternate sampling methods.

Quality Assurance/Quality Control: Groundwater samples will be submitted to Spectrum Eurofins Analytical for laboratory testing. Results will be provided as NYSDEC Analytical Services Protocol (ASP) Category B data deliverables. As outlined in the RI Work plan, a Data Usability Report (DUSR) will be completed on the results, and validated results will be submitted to the NYSDEC in Equis Format.

Table 1: Sampling Plan for Supplemental RI Work Plan

Matrix	Sampling Location	Analytical Group	No. of Samples	Sampling Method
Overburden Groundwater	MW-1, MW-3, MW-5, MW-6, MW-8, MW-9, MW-10, MW-12, MW-13, MW-16, MW-18, MW-19, MW-B, MW-D, MW-G, MW-H, MW-M, MW-P	VOCs	18	PDBs
	MW-17	VOCs, SVOCs	1	Low-Flow
	MW-Q	VOCs, SVOCs, Metals, cyanide	1 + 1 field duplicate + 1 MS/MSD + 1 rinsate blank	Low-Flow
Bedrock Groundwater	MW-1R, MW-3R, MW-7R, MW-10R, MW12-R, MW-13R, MW-19R	VOCs	7 + 1 field duplicate + 1 MS/MSD + 1 rinsate blank	PDBs

Schedule: Measurement of static water levels and installation of PDBs is anticipated for the week of September 12, 2016. Collection of the PDB groundwater samples and low-flow groundwater samples is anticipated for the week of September 26, 2016. Analytical laboratory results are expected the week of October 10, 2016. Delivery of the RI/FS Report is anticipated by November 21, 2016.

Very truly,
Day Environmental, Inc.

Heather McLer

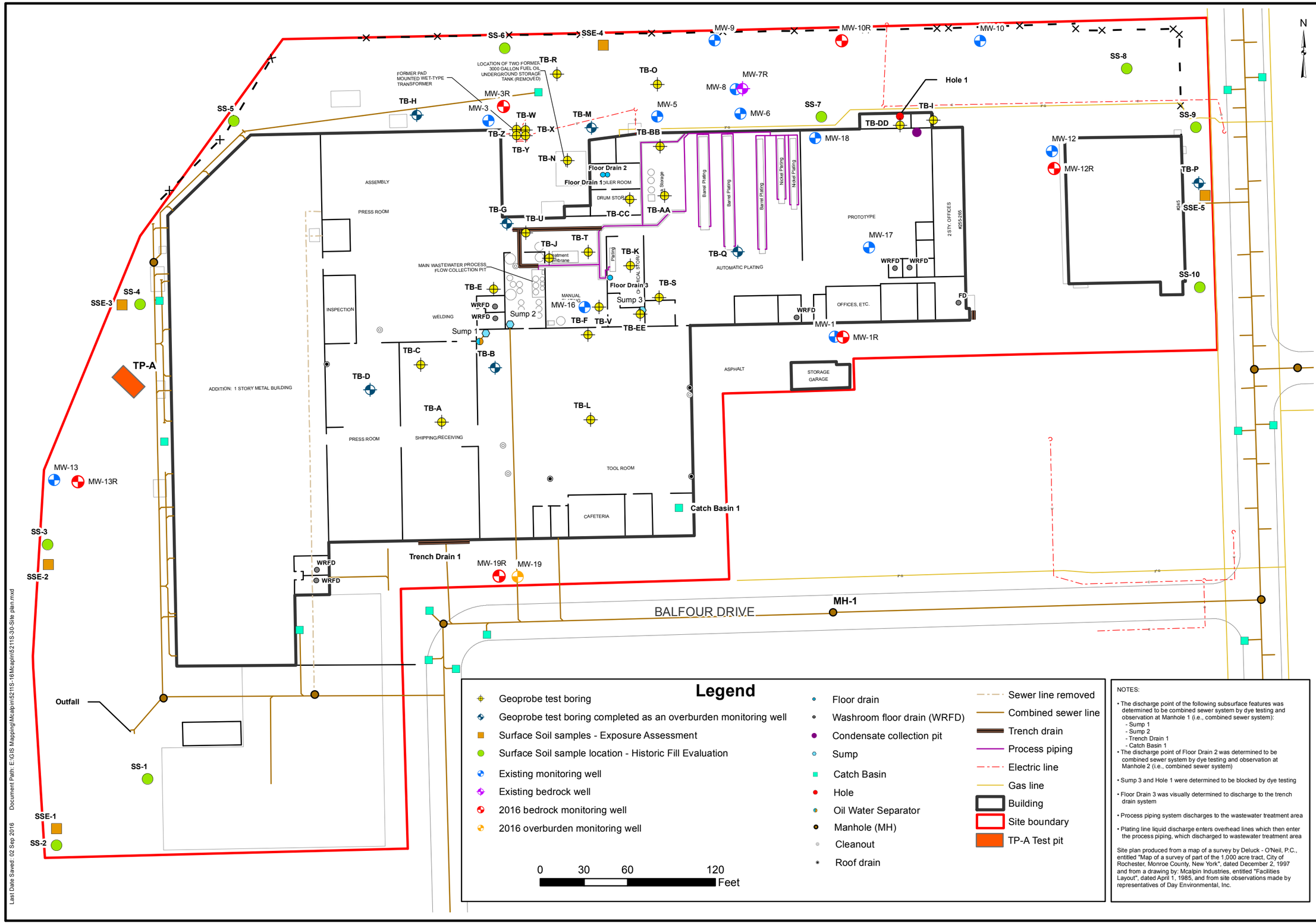
Heather M. McLennan
Scientist

ec: Jacqueline E. Nealon (NYSDOH)
Justin Deming (NYSDOH)
James Mahoney, Esq. (NYSDEC)
Mike McAlpin (OBI, LLC)
Raymond Kampff (DAY)
David Day (DAY)
Nate Simon (DAY)
Jeff Danzinger (DAY)

Attachment A: Draft Site Plan

Attachment B: Draft Analytical Summary Tables

ATTACHMENT A



Legend

- Geoprobe test boring
- Geoprobe test boring completed as an overburden monitoring well
- Surface Soil samples - Exposure Assessment
- Surface Soil sample location - Historic Fill Evaluation
- Existing monitoring well
- Existing bedrock well
- 2016 bedrock monitoring well
- 2016 overburden monitoring well
- Floor drain
- Washroom floor drain (WRFD)
- Condensate collection pit
- Sump
- Catch Basin
- Hole
- Oil Water Separator
- Manhole (MH)
- Cleanout
- Roof drain
- Sewer line removed
- Combined sewer line
- Trench drain
- Process piping
- Electric line
- Gas line
- Building
- Site boundary
- TP-A Test pit

0 30 60 120 Feet

NOTES:

- The discharge point of the following subsurface features was determined to be combined sewer system by dye testing and observation at Manhole 1 (i.e., combined sewer system):
  - Sump 1
  - Sump 2
  - Trench Drain 1
  - Catch Basin 1
- The discharge point of Floor Drain 2 was determined to be combined sewer system by dye testing and observation at Manhole 2 (i.e., combined sewer system)
- Sump 3 and Hole 1 were determined to be blocked by dye testing
- Floor Drain 3 was visually determined to discharge to the trench drain system
- Process piping system discharges to the wastewater treatment area
- Plating line liquid discharge enters overhead lines which then enter the process piping, which discharged to wastewater treatment area

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

DESIGNED BY	RLK
DATE	05-2016
DRAWN BY	CPS/CCD
DATE DRAWN	05-2016
SCALE	AS NOTED
DATE ISSUED	05-10-2016

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

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Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title
Site Plan

Project No.
5211S-16

FIGURE 1

Last Date Saved: 02 Sep 2016 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Mcalpin\5211S-30-Site plan.mxd

ATTACHMENT B

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Table 15

Concentration of Detected VOCs in Groundwater

245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive

Rochester, New York

NYSDEC Site No.: 828188

Compound	TOGS 1.1.1	063-MW-8	065-MW-13	066-MW-19	069-MW-12	071-MW-10	074-MW-H	075-MW-3	076-MW-M	077-MW-5	078-MW-G
Date		5/23/2016	5/24/2016	5/24/2016	5/25/2016	5/25/2016	5/26/2016	5/26/2016	5/26/2016	5/26/2016	5/26/2016
Sample Time		16:25	13:00	16:00	12:10	14:40	10:55	11:00	13:00	14:15	16:05
Acetone	50	ND	ND	ND	ND	ND	77.7 D X	ND	ND	ND	ND
Benzene	1	ND	ND	ND	0.3 J	ND	1.2 JD X	ND	0.2 J	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	15.7 JD	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	0.4 J	ND	ND
cis-1,2-Dichloroethene	5	2500 D X	7.5 X	13.3 X	27.8 D X	1.1	350 D X	31 D X	43.4 X	40500 D X	37.8 D X
trans-1,2-Dichloroethene	5	16.5 JD X	ND	0.4 J	1.2	ND	ND	1.1	1.2	ND	2.2 JD
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone (MBK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	3.4	1	ND	ND	3.6 JD	1.4	ND	5.9 D X
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	18.8 X	20 X	18.6 D X	ND	7.4 D X	83.4 D X	82 X	255 JD X	116 D X
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	1900 D X	ND	ND	105 D X	4.5 X	4.2 JD X	1.6	21.8 X	2220 D X	ND
m,p-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	NS	4416.5	26.3	37.1	153.9	5.6	456.2	120.7	150.4	42975	161.9
TICs											
Total TICs	NS	0	0	0	0	0	0	0	0	0	0
Total VOCs and TICs	NS	4416.5	26.3	37.1	153.9	5.6	456.2	120.7	150.4	42975	161.9

Compound	TOGS 1.1.1	081-MW-P	082-MW-6	084-MW-1	087-MW-Q	088-MW-D	089-MW-16	090-MW-18	092-MW-B	095-MW-17	102-MW-9
Date		5/27/2016	5/27/2016	5/27/2016	5/31/2016	5/31/2016	5/31/2016	5/31/2016	6/1/2016	6/1/2016	6/13/2016
Sample Time		11:30	9:50	13:00	11:30	14:40	15:00	11:20	10:55	12:45	11:00
Acetone	50	ND	ND	ND	4.7 J	ND	ND	ND	14.8	5.8 J	ND
Benzene	1	ND	ND	ND	0.8 J	0.3 J	ND	ND	ND	0.3 J	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	3	ND	ND	ND	ND	0.5 J	ND
sec-Butylbenzene	5	ND	ND	ND	4.3	ND	ND	ND	ND	0.5 J	ND
tert-Butylbenzene	5	ND	ND	ND	1	ND	ND	ND	ND	0.6 J	ND
Carbon disulfide	60	ND	ND	ND	0.4 J	0.3 J	2.4 JD	ND	ND	0.3 J	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	5 D X	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	0.3 J	0.9 J	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	3	79.4 D X	25.5 D X	70 X	45.1 X	186 D X	379 D X	33.2 X	3.8	0.7 J
trans-1,2-Dichloroethene	5	ND	ND	0.7 J	1.5	1.2	9.6 D X	ND	0.7 J	0.5 J	ND
Ethylbenzene	5	ND	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND
2-Hexanone (MBK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	0.7 J	ND	ND	ND	ND	0.5 J	ND
Naphthalene	10	ND	ND	ND	2.6	0.6 J	ND	ND	ND	3.4	ND
n-Propylbenzene	5	ND	ND	ND	2.9	ND	ND	ND	ND	0.4 J	ND
Tetrachloroethene	5	18.5 X	ND	6.4 D X	ND	1.3	ND	ND	7.4 X	ND	ND
Toluene	5	ND	ND	ND	0.6 J	ND	ND	ND	ND	ND	ND
Trichloroethene	5	8.8 X	1.9	83.4 D X	4.1	86 D X	286 D X	10 JD X	85.6 X	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	0.6 J	0.6 J	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	0.4 J	0.5 J	ND	ND	ND	ND	ND
Vinyl chloride	2	ND	135 D X	ND	13.7 X	ND	23.4 D X	1100 D X	ND	48.3 X	45.3 X
m,p-Xylene	5	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	NS	ND	ND	ND	ND	ND	5.3 JD	ND	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	NS	ND	ND	ND	0.9 J	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND	8.4	ND	ND	ND	ND	ND	ND
Ethanol	NS	ND	ND	ND	ND	ND	ND	ND	69.1 J	ND	ND
Total VOCs	NS	30.3	219.6	116	125.2	136.8	517.7	1489	210.8	64.9	46
TICs											
Total TICs	NS	0	0	0	118.6	0	0	0	0	70	ND
Total VOCs and TICs	NS	30.3	219.6	116	243.8	136.8	517.7	1489	210.8	134.9	46

Notes

Concentration in µg/L or parts per billion (ppb)

TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

NS = No Standard Available

NA = Not Applicable

SVOCs = Semi-Volatile Organic Compounds

X = Exceeds Groundwater Standard of Guidance Value

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

D = Data reported from a dilution

ND = Not detected above method detection limit

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Table 16

Summary of Detected VOCs in Bedrock Groundwater Samples

245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive

Rochester, New York

Compound	TOGS 1.1.1	NYSDEC Site No. 828188 Sample ID																							
		Date																							
		Sample Time																							
		062-MW-7R			064-MW-13R			067-MW-19R			068-MW-12R			070-MW-10R			072-MW-3R			073-DUP5			083-MW-1R		
		5/23/2016			5/24/2016			5/24/2016			5/25/2016			5/25/2016			5/26/2016			5/26/2016			5/27/2016		
		16:26			12:30			16:40			12:00			13:30			8:55			8:55			12:55		
Acetone	50	ND			ND			ND			ND			ND			ND			ND			ND		
Benzene	1	ND			ND			ND			ND			ND			ND			ND			ND		
Bromodichloromethane	NS	ND			ND			ND			ND			ND			ND			ND			ND		
2-Butanone (MEK)	50	ND			ND			ND			ND			ND			ND			ND			ND		
n-Butylbenzene	5	ND			ND			ND			ND			ND			ND			ND			ND		
sec-Butylbenzene	5	ND			ND			ND			ND			ND			ND			ND			ND		
tert-Butylbenzene	5	ND			ND			ND			ND			ND			ND			ND			ND		
Carbon disulfide	60	ND			ND			ND			ND			ND			ND			ND			ND		
Chlorobenzene	5	ND			ND			ND			ND			ND			ND			ND			ND		
Chloroethane	5	ND			ND			ND			ND			ND			ND			ND			ND		
Chloroform	7	ND			ND			ND			ND			ND			ND			ND			ND		
Chloromethane	NS	ND			ND			ND			ND			ND			ND			ND			ND		
2-Chlorotoluene	5	ND			ND			ND			ND			ND			ND			ND			ND		
Dibromochloromethane	50	ND			ND			ND			ND			ND			ND			ND			ND		
1,4-Dichlorobenzene	3	ND			ND			ND			ND			ND			ND			ND			ND		
1,1-Dichloroethane	5	ND			ND			ND			ND			ND			ND			ND			ND		
1,1-Dichloroethene	0.07	2	JD	X	ND			ND			ND			ND			ND			ND			ND		
cis-1,2-Dichloroethene	5	290	D	X	2			0.4	J		ND			74.8	D	X	38.2	D	X	36.5	D	X	8.7		X
trans-1,2-Dichloroethene	5	ND			ND			ND			ND			1.8	JD		ND			1.7	JD		ND		
Ethylbenzene	5	ND			ND			ND			ND			ND			ND			ND			ND		
2-Hexanone (MBK)	50	ND			ND			ND			ND			ND			ND			ND			ND		
Isopropylbenzene	5	ND			ND			ND			ND			ND			ND			ND			ND		
4-Isopropyltoluene	5	ND			ND			ND			ND			ND			ND			ND			ND		
Naphthalene	10	ND			ND			ND			ND			ND			ND			ND			ND		
n-Propylbenzene	5	ND			ND			ND			ND			ND			ND			ND			ND		
Tetrachloroethene	5	ND			0.7	J		2.7			ND			ND			5	D		3.8	JD		0.7	J	
Toluene	5	ND			0.4	J		0.4	J		ND			ND			ND			ND			ND		
Trichloroethene	5	156	D	X	1.2			1.3			ND			3.6	JD		119	D	X	115	D	X	10.9		X
1,2,4-Trimethylbenzene	5	ND			ND			ND			ND			ND			ND			ND			ND		
1,3,5-Trimethylbenzene	5	ND			ND			ND			ND			ND			ND			ND			ND		
Vinyl chloride	2	60.4	D	X	ND			ND			ND			96.6	D	X	ND			ND			ND		
m,p-Xylene	5	ND			0.3	J		0.4	J		ND			ND			ND			ND			ND		
o-Xylene	5	ND			ND			ND			ND			ND			ND			ND			ND		
Tetrahydrofuran	NS	ND			ND			ND			ND			ND			ND			ND			ND		
Tert-Butanol / butyl alcohol	NS	ND			ND			ND			ND			ND			ND			ND			ND		
Total Xylenes	NS	ND			0.3	J		0.4	J		ND			ND			ND			ND			ND		
Methyl acetate	NS	ND			ND			ND			ND			ND			ND			ND			ND		
Methylcyclohexane	NS	ND			ND			ND			ND			ND			ND			ND			ND		
Ethanol	NS	ND			ND			ND			ND			ND			ND			ND			ND		
Total VOCs	NS	508.4			4.9			5.6			0			176.8			162.2			157			20.3		
TICs																									
Total TICs	NS	0			0			0			0			0			0			0			0		
Total VOCs and TICs	NS	508.4			4.9			5.6			0			176.8			162.2			157			20.3		

Notes

Concentration in µg/L or parts per billion (ppb)

TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

NS = No Standard Available

NA = Not Applicable

SVOCs = Semi-Volatile Organic Compounds

X = Exceeds Groundwater Standard of Guidance Value

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

D = Data reported from a dilution

ND = Not detected above method detection limit

DRAFT

Table 17

Summary of Detected SVOCs in Overburden Groundwater Samples

245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive

Rochester, New York

NYSDEC Site No.: 828188

Compound	TOGS 1.1.1	Sample ID	063-MW-8	065-MW-13	066-MW-19	069-MW-12	071-MW-10	075-MW-3	076-MW-M	077-MW-5	078-MW-G	081-MW-P
		Sample Date	5/23/2016	5/24/2016	5/24/2016	5/25/2016	5/25/2016	5/26/2016	5/26/2016	5/26/2016	5/26/2016	5/27/2016
		Sample Time	16:25	13:00	16:00	12:10	14:40	11:00	13:00	14:15	16:05	11:30
Acenaphthene	5.3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3 & 4-Methylphenol	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	NS		0	0	0	0	0	0	0	0	0	0
TICS												
Total TICs	NS		0	0	0	0	0	0	0	12	0	0
Total SVOCs & TICs	NS		0	0	0	0	0	0	0	12	0	0

Compound	TOGS 1.1.1	Sample ID	082-MW-6	084-MW-1	086-DUP6	087-MW-Q	088-MW-D	089-MW-16	090-MW-18	092-MW-B	095-MW-17	102-MW-9
		Sample Date	5/27/2016	5/27/2016	5/31/2016	5/31/2016	5/31/2016	5/31/2016	5/31/2016	6/1/2016	6/1/2016	6/13/2016
		Sample Time	9:50	13:00	11:20	11:30	14:40	15:00	11:20	10:55	12:45	11:00
Acenaphthene	5.3		ND	ND	ND	ND	ND	ND	ND	ND	1.28 J	ND
4-Chloro-3-methylphenol	NS		ND	ND	ND	4.87 J	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS		ND	ND	ND	1.75 J	ND	ND	ND	ND	ND	
Fluorene	50		ND	ND	ND	3 J	ND	ND	ND	ND	2.01 J	ND
3 & 4-Methylphenol	NS		ND	ND	ND	67.5	ND	ND	ND	ND	ND	ND
Phenanthrene	50		ND	ND	ND	3.43 J	ND	ND	ND	ND	2.32 J	ND
1-Methylnaphthalene	NS		ND	ND	ND	14.9	ND	ND	ND	ND	7.85	
Total SVOCs	NS		0	0	0	95.45	0	0	0	0	17.12	0
TICS												
Total TICs	NS		0	0	0	151	0	0	0	0	144	
Total SVOCs & TICs	NS		0	0	0	246.45	0	0	0	0	161.12	

Notes

Concentration in µg/L or parts per billion (ppb)

TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

NS = No Standard Available

SVOCs = Semi-Volatile Organic Compounds

X = Exceeds Groundwater Standard of Guidance Value

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

ND = Not detected above method detection limit

DRAFT

Table 18

Summary of Detected SVOCs in Bedrock Groundwater Samples

245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive

Rochester, New York

NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID	062-MW-7R	064-MW-13R	067-MW-19R	068-MW-12R	070-MW-10R	072-MW-3R	073-DUP5	083-MW-1R
		Sample Date	5/23/2016	5/24/2016	5/24/2016	5/25/2016	5/25/2016	5/26/2016	5/26/2016	5/27/2016
		Sample Time	16:26	12:30	16:40	12:00	13:30	8:55	8:55	12:55
Acenaphthene	5.3		ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NS		ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	NS		ND	ND	ND	ND	ND	ND	ND	ND
3 & 4-Methylphenol	NS		ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	NS		ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	NS		0	0	0	0	0	0	0	0
TICS										
Total TICs	NS		0	0	0	0	0	0	0	0
Total SVOCs & TICs	NS		0	0	0	0	0	0	0	0

Notes

Concentration in µg/L or parts per billion (ppb)

TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

NS = No Standard Available

SVOCs = Semi-Volatile Organic Compounds

X = Exceeds Groundwater Standard of Guidance Value

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

ND = Not detected above method detection limit

DRAFT

Table 19

Summary of Detected Metals and Cyanide in Overburden Groundwater Samples

245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive

Rochester, New York

NYSDEC Site No.: 828188

Element	TOGS 1.1.1	Sample ID																																	
		Sample Date																																	
		Sample Time																																	
		063-MW-8			065-MW-13			066-MW-19			069-MW-12			071-MW-10			075-MW-3			076-MW-M			077-MW-5			078-MW-G			081-MW-P					
		5/23/2016			5/24/2016			5/24/2016			5/25/2016			5/25/2016			5/26/2016			5/26/2016			5/26/2016			5/26/2016			5/27/2016					
		16:25			13:00			16:00			12:10			14:40			11:00			13:00			14:15			16:05			11:30					
Aluminum	NS	0.0192	J		ND			ND			ND			ND			ND			0.05			0.0298	J		ND			ND					
Antimony	0.003	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND					
Arsenic	0.025	0.0033	J		ND			ND			ND			0.0129			ND			ND			ND			ND			ND					
Barium	1	0.454			0.0417			0.15			0.412			0.194			0.138			0.188			0.198			0.113			0.0695					
Beryllium	0.003	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND					
Cadmium	0.005	0.0002	J		0.0009	J		ND			ND			ND			ND			ND			ND			ND			ND					
Calcium	NS	124			123			149			208			180			146			132			136			148			166					
Chromium	0.05	0.0068			ND			ND			0.0373			0.0317			ND			0.0047	J		0.0028	J		0.0068	J		0.0019	J				
Cobalt	NS	0.0014	J		0.0008	J		0.0013	J		0.0334			0.011			0.0034	J		0.0031	J		0.0043	J		0.0024	J		ND					
Copper	0.2	0.0024	J		0.0018	J		0.0032	J		0.0072	J		0.0059	J		ND			ND			ND			ND			ND					
Iron	0.3	1.67	R06	X	0.0328	R06, J		0.0114	R06, J		0.749		X	14.3		X	0.158			1.18		X	1.41		X	0.0644			0.0225	J				
Lead	0.025	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND					
Magnesium	35	21.8			42.5		X	44.3		X	60.1		X	48.8		X	45		X	34.6			14.9			48.9		X	57.5		X			
Manganese	0.3	0.123			0.0785			0.119			1.47		X	0.61		X	0.0957			0.216			0.287			0.0474			0.0185					
Mercury	0.0007	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND					
Nickel	0.1	0.0102			0.0022	J		0.0048	J		0.0811			0.0305			0.0279			0.0345			0.0221			0.0427			0.0044	J				
Potassium	NS	85.3			2.73			5.33			92.4			9.96			7.37			9.86			34.3			7.02			7.68					
Selenium	0.01	ND			ND			0.0038	J		ND			ND			ND			ND			ND			ND			ND					
Silver	0.05	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND					
Sodium	20	108		X	32.3		X	454	GS1, D	X	332		X	110		X	193		X	177		X	113		X	220		X	228		X			
Thallium	0.0005	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND					
Vanadium	NS	0.0009	J		ND			ND			ND			ND			ND			0.0024	J		ND			ND			ND					
Zinc	2	0.107			0.0084			0.0035	J		0.0275			ND	R06		0.0495	R06		0.0122	R06, J		0.0742	R06		0.0985	R06		ND					
Cyanide (total)	0.2	ND			ND			ND			ND			ND			ND			0.0074			ND			ND			ND					

Element	TOGS 1.1.1	Sample ID																																	
		Sample Date																																	
		Sample Time																																	
		082-MW-6			084-MW-1			086-DUP6			087-MW-Q			088-MW-D			089-MW-16			090-MW-18			092-MW-B			095-MW-17			102-MW-9					
		5/27/2016			5/27/2016			5/31/2016			5/31/2016			5/31/2016			5/31/2016			5/31/2016			6/1/2016			6/1/2016			6/13/2016					
		9:50			13:00			11:20			11:30			14:40			15:00			11:20			10:55			12:45			11:00					
Aluminum	NS	ND			ND			ND			0.149			ND			ND			ND			ND			ND			ND					
Antimony	0.003	0.0037	J	X	ND			0.0017	J		0.0012	J		ND			0.002	J		ND			ND			ND			ND					
Arsenic	0.025	0.03		X	ND			0.006			0.0046			0.0017	J		0.0029	J		0.0069			ND			0.0122			0.0284		X			
Barium	1	0.0765			0.11			0.273			0.0289			0.0566			0.116			0.257			0.105			1.03		X	0.345					
Beryllium	0.003	ND			ND			0.0003	J		ND			ND			ND			ND			0.0004	J		ND			ND					
Cadmium	0.005	ND			ND			0.0003	J		ND			ND			0.0004	J		ND			0.0003	J		0.0008	J		ND					
Calcium	NS	336			159			203			5.46			159			150			198			144			283	GS1, D		145					
Chromium	0.05	0.0026	J		0.0023	J		0.0018	J		0.0459			0.003	J		0.0012	J		0.0016	J		0.0014	J		0.0044	J		ND					
Cobalt	NS	0.003	J		0.001	J		0.0007	J		0.005			0.001	J		0.0063			0.0006	J		0.0016	J		0.0023	J		ND					
Copper	0.2	0.0194			ND			0.0034	J		0.0046	J		0.0017	J		0.0014	J		0.0036	J		0.0027	J		0.002	J		ND					
Iron	0.3	0.104			0.0217	J		1.79		X	0.656		X	0.194			0.0499			1.68		X	0.0108	J		8.44		X	8.18		X			
Lead	0.025	ND			ND			ND			0.0033	J		ND			ND			ND			ND			ND			ND					
Magnesium	35	56.2		X	54.1		X	36.2	R06	X	5.94			56.8	GS1, R06, D	X	52	GS1, R06, D	X	34.9	R06		42.9			89.4	GS1, D	X	39.5		X			
Manganese	0.3	0.642		X	0.0218			0.319		X	0.0092	R06		0.0532			0.155			0.318		X	0.0154			0.105			0.225					
Mercury	0.0007	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND					
Nickel	0.1	0.147		X	0.0076	J		0.05		X	0.0369			0.0042	J		0.228		X	0.0491			0.0056			0.0752			ND					
Potassium	NS	343			7.81			121			14.2			13.1			24.6			118			6.12			160			5.28					
Selenium	0.01	ND			ND			ND			0.0044	J		ND			ND			ND			0.0038	J		ND			ND					
Silver	0.05	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND					
Sodium	20	193		X	277		X	114		X	740	GS1, D	X	241	GS1, D	X	282	GS1, D	X	108		X	207		X	560	GS1, D	X	145		X			
Thallium	0.0005	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND					
Vanadium	NS	0.0025	J		ND			0.0008	J		0.0362			0.0009	J		0.0009	J		ND			0.0008	J		0.0034	J		ND					
Zinc	2	1.49			0.0132			0.433		X	0.0077			0.0059			0.0827			0.422			0.0045	J		0.0033	J		ND					
Cyanide (total)	0.2	ND			ND			ND			0.738	GS1, D	X	ND			ND			ND			ND			0.00985			ND					

Notes

Concentration in mg/L or parts per million (ppm)

TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

NS = No Standard Available

X = Exceeds Groundwater Standard of Guidance Value

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

D = Data reported from a dilution

R06 = Method Reporting Limit raised to correlate to batch QC reporting limits

GS1 = Sample dilution required for high concentration of target analytes to be within the instrument calibration range

ND = Not detected above method detection limit

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Table 20

Summary of Detected Metals and Cyanide in Bedrock Groundwater Samples

245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive

Rochester, New York

NYSDEC Site No. 828188

Element	TOGS 1.1.1	Sample ID																											
		Sample Date																											
		Sample Time																											
		062-MW-7R			064-MW-13R			067-MW-19R			068-MW-12R			070-MW-10R			072-MW-3R			073-DUP5			083-MW-1R						
		5/23/2016			5/24/2016			5/24/2016			5/25/2016			5/25/2016			5/26/2016			5/26/2016			5/27/2016						
		16:26			12:30			16:40			12:00			13:30			8:55			8:55			12:55						
Aluminum	NS	0.0916			0.199			ND			0.05			0.133			0.0828			0.0883			ND						
Antimony	0.003	ND			ND			ND			ND			0.0031	J	X	ND			ND			ND						
Arsenic	0.025	ND			ND			0.0033	J		ND			0.0045	J		ND			ND			ND						
Barium	1	0.068			0.016			0.0818			0.074			0.194			0.133			0.144			0.0466						
Beryllium	0.003	ND			ND			ND			ND			ND			ND			ND			ND						
Cadmium	0.005	0.0003	J		0.0012	J		ND			ND			ND			ND			ND			ND						
Calcium	NS	175			140			240			88.8			150			146			147			175						
Chromium	0.05	0.001	J		0.0007	J		0.0008	J		0.0017	J		0.002	J		0.0016	J		0.0019	J		ND						
Cobalt	NS	0.001	J		0.0005	J		0.0003	J		ND			ND			0.0023	J		0.0025	J		ND						
Copper	0.2	0.0026	J		0.0028	J		0.0022	J		ND			0.0029	J		ND			ND			ND						
Iron	0.3	3.98	R06	X	26.8	R06	X	2.27	R06	X	6.09		X	5.15		X	2.82		X	6.38		X	14.6		X				
Lead	0.025	ND			ND			ND			ND			ND			ND			ND			ND						
Magnesium	35	64.8	GS1, D	X	56.2	GS1, D	X	83.2	GS1, D	X	39.2		X	55.4		X	48.5		X	48.5		X	72.2		X				
Manganese	0.3	0.086			0.132			0.0398			0.0544			0.0587			0.0546			0.0557			0.0727						
Nickel	0.1	0.0212			0.0098			0.006			ND			0.0053	J		0.0367			0.037			0.0051	J					
Potassium	NS	13.5			22.6			33.1			21.9			8.16			7.32			7.51			20						
Selenium	0.01	ND			ND			ND			ND			ND			ND			ND			ND						
Sodium	20	167		X	310	GS1, D	X	550	GS1, D	X	365		X	172		X	209		X	222		X	196		X				
Vanadium	NS	0.0008	J		0.0016	J		ND			ND			0.0017	J		0.0016	J		ND			ND						
Zinc	2	0.0747			0.02			0.0025	J		ND	R06		0.006	R06, J		0.0747	R06		0.0872	R06		ND						
Cyanide (total)	0.2	ND			ND			ND			ND			ND			ND			ND			ND						

Notes

Concentration in mg/L or parts per million (ppm)

TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

NS = No Standard Available

X = Exceeds Groundwater Standard of Guidance Value

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

D = Data reported from a dilution

R06 = Method Reporting Limit raised to correlate to batch QC reporting limits

GS1 = Sample dilution required for high concentration of target analytes to be within the instrument calibration range

ND = Not detected above method detection limit

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Table 21

Summary of PCBs and Pesticides in Overburden Groundwater Samples

245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive

Rochester, New York

NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID																											
		Sample Date																											
		063-MW-8			065-MW-13			066-MW-19			069-MW-12			071-MW-10			075-MW-3			076-MW-M			077-MW-5			078-MW-G			081-MW-P		
		5/23/2016			5/24/2016			5/24/2016			5/25/2016			5/25/2016			5/26/2016			5/26/2016			5/26/2016			5/26/2016			5/27/2016		
Total PCBs	NS	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND		
Total Pesticides	NA	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND		

Compound	TOGS 1.1.1	Sample ID																											
		Sample Date																											
		082-MW-6			084-MW-1			086-DUP6			087-MW-Q			088-MW-D			089-MW-16			090-MW-18			092-MW-B			095-MW-17			102-MW-9		
		5/27/2016			5/27/2016			5/31/2016			5/31/2016			5/31/2016			5/31/2016			5/31/2016			6/1/2016			6/1/2016			6/13/2016		
Total PCBs	NS	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND		
Total Pesticides	NA	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND		

Notes:

PCBs = Polychlorinated Biphenyls

NS = No Standard

ND = Not Detected

NA = Not Applicable

DRAFT

Table 22

Summary of PCBs and Pesticides in Bedrock Groundwater Samples

245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive

Rochester, New York

NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID																							
		Sample Date																							
		062-MW-7R			064-MW-13R			067-MW-19R			068-MW-12R			070-MW-10R			072-MW-3R			073-DUP5			083-MW-1R		
		5/23/2016			5/24/2016			5/24/2016			5/25/2016			5/25/2016			5/26/2016			5/26/2016			5/27/2016		
Total PCBs	NS	ND			ND			ND			ND			ND			ND			ND			ND		
Total Pesticides	NA	ND			ND			ND			ND			ND			ND			ND			ND		

Notes:

PCBs = Polychlorinated Biphenyls

NS = No Standard

ND = Not Detected

NA = Not Applicable