Table 1
Groundwater Analytical Summary

53" Storm Sewer
NYSEG - Court Street Site - Binghamton, New York

Sample ID: / Date Collected:	Units	TW-11-1 3/30/2011	TW-11-2 3/30/2011	TW-11-3 3/30/2011	TW-11-4 3/30/2011
SVOCs					
2,4,5-Trichlorophenol	ug/L	ND U	ND U	ND U	ND U
2,4,6-Trichlorophenol	ug/L	ND U	ND U	ND U	ND U
2,4-Dichlorophenol	ug/L	ND U	ND U	ND U	ND U
2,4-Dimethylphenol	ug/L	ND U	ND U	ND U	ND U
2,4-Dinitrophenol	ug/L	ND U	ND U	ND U	ND U
2,4-Dinitrotoluene	ug/L	ND U	ND U	ND U	ND U
2,6-Dinitrotoluene	ug/L	ND U	ND U	ND U	ND U
2-Chloronaphthalene	ug/L	ND U	ND U	ND U	ND U
2-Chlorophenol	ug/L	ND U	ND U	ND U	ND U
2-Methylnaphthalene	ug/L	1.8 J	620	960	500
2-Methylphenol	ug/L	ND U	ND U	ND U	ND U
2-Nitroaniline	ug/L	ND U	ND U	ND U	ND U
2-Nitrophenol	ug/L	ND U	ND U	ND U	ND U
3,3'-Dichlorobenzidine	ug/L	ND U	ND U	ND U	ND U
3-Nitroaniline	ug/L	ND U	ND U	ND U	ND U
4,6-Dinitro-2-methylphenol	ug/L	ND U	ND U	ND U	ND U
4-Bromophenyl phenyl ether	ug/L	ND U	ND U	ND U	ND U
4-Chloro-3-methylphenol	ug/L	ND U	ND U	ND U	ND U
4-Chloroaniline	ug/L	ND U	ND U	ND U	ND U
4-Chlorophenyl phenyl ether	ug/L	ND U	ND U	ND U	ND U
4-Methylphenol	ug/L	ND U	1.9 J	ND U	ND U
4-Nitroaniline	ug/L	ND U	ND U	ND U	ND U
4-Nitrophenol	ug/L	ND U	ND U	ND U	ND U
Acenaphthene	ug/L	180	200	140	120
Acenaphthylene	ug/L	11	18 J	12 J	27
Acetophenone	ug/L	ND U	18 J	ND U	ND U
Anthracene	ug/L	9.6	38 U	13 J	23 J
Atrazine	ug/L	ND U	ND U	ND U	ND U
Benzaldehyde	ug/L	ND U	ND U	ND U	ND U
Benzo(a)anthracene	ug/L	2 J	17 J	5.3 J	14 J
Benzo(a)pyrene	ug/L	1.2 J	16 J	4.7 J	16 J
Benzo(b)fluoranthene	ug/L	1.7 J	13 J K	3.6 J	18 J K
Benzo(g,h,i)perylene	ug/L	1.2 J	8.3 J	2.8 J	12 J
Benzo(k)fluoranthene	ug/L	0.89 J	ND U	ND U	ND U
Biphenyl	ug/L	5.1	77	57	42
bis (2-chloroisopropyl) ether	ug/L	ND U	ND U	ND U	ND U
Bis(2-chloroethoxy)methane	ug/L	ND U	ND U	ND U	ND U
Bis(2-chloroethyl)ether	ug/L	ND U	ND U	ND U	ND U
Bis(2-ethylhexyl) phthalate	ug/L	ND U	ND U	ND U	ND U
Butyl benzyl phthalate	ug/L	ND U	ND U	ND U	ND U
Caprolactam	ug/L	ND U	ND U	ND U	ND U
Carbazole	ug/L	2.8 J	11 J	9.4 J	5.3 J
Chrysene	ug/L	2.1 J	14 J	5.1 J	13 J
Di-n-butyl phthalate	ug/L	0.31 J	ND U	ND U	ND U
Di-n-octyl phthalate	ug/L	ND U	ND U	ND U	ND U
Dibenz(a,h)anthracene	ug/L	ND U	2 J	ND U	2.4 J
Dibenzofuran	ug/L	18	15 J	12 J	12 J
Diethyl phthalate	ug/L	ND U	ND U	ND U	ND U
Dimethyl phthalate	ug/L	ND U	ND U	ND U	ND U
Fluoranthene	ug/L	5	34	11 J	27
Fluorene	ug/L	84	80	74	68
Hexachlorobenzene	ug/L	ND U	ND U	ND U	ND U
Hexachlorobutadiene	ug/L	ND U	ND U	ND U	ND U
Hexachlorocyclopentadiene	ug/L	ND U	ND U	ND U	ND U
Hexachloroethane	ug/L	ND U	ND U	ND U	ND U
Indeno(1,2,3-cd)pyrene	ug/L	0.92 J	5.8 J	ND U	8.2 J
Isophorone	ug/L	ND U	ND U	ND U	ND U
N-Nitrosodi-n-propylamine	ug/L	ND U	ND U	ND U	ND U
N-Nitrosodiphenylamine	ug/L	ND U	ND U	ND U	ND U
Naphthalene	ug/L	26	4600	3900	2400
Nitrobenzene	ug/L	ND U	ND U	ND U	ND U
Pentachlorophenol	ug/L	ND U *	ND U *	ND U *	11 J *

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SVOCs					
Phenanthrene	ug/L	46	150	78	99
Phenol	ug/L	1.2 J	45	15 J	8.7 J
Pyrene	ug/L	6.1	56	16 J	40
VOCs					
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	ND U	ND U	ND U	ND U
1,1,2-Trichloroethane	ug/L	ND U	ND U	ND U	ND U
1,1-Dichloroethane	ug/L	ND U	ND U	ND U	ND U
1,1-Dichloroethene	ug/L	ND U	ND U	ND U	ND U
1,1,1-Trichloroethane	ug/L	ND U	ND U	ND U	ND U
1,1,2,2-Tetrachloroethane	ug/L	ND U	ND U	ND U	ND U
1,2,4-Trichlorobenzene	ug/L	ND U	ND U	ND U	ND U
1,2-Dibromo-3-Chloropropane	ug/L	ND U	ND U	ND U	ND U
1,2-Dibromoethane	ug/L	ND U	ND U	ND U	ND U
1,2-Dichlorobenzene	ug/L	ND U	ND U	ND U	ND U
1,2-Dichloroethane	ug/L	ND U	ND U	ND U	ND U
1,2-Dichloropropane	ug/L	ND U	ND U	ND U	ND U
1,3-Dichlorobenzene	ug/L	ND U	ND U	ND U	ND U
1,4-Dichlorobenzene	ug/L	ND U	ND U	ND U	ND U
2-Butanone (MEK)	ug/L	ND U	ND U	ND U	ND U
2-Hexanone	ug/L	ND U	ND U	ND U	ND U
4-Methyl-2-pentanone (MIBK)	ug/L	ND U	ND U	ND U	ND U
Acetone	ug/L	6 J	5.1 J	25	8.9 J
Benzene	ug/L	32	5200	1400	740
Bromodichloromethane	ug/L	ND U	ND U	ND U	ND U
Bromoform	ug/L	ND U	ND U	ND U	ND U
Bromomethane	ug/L	ND U	ND U	ND U	ND U
Carbon disulfide	ug/L	ND U	ND U	0.59 J	ND U
Carbon tetrachloride	ug/L	ND U	ND U	ND U	ND U
Chlorobenzene	ug/L	ND U	ND U	ND U	ND U
Chloroethane	ug/L	ND U	ND U	ND U	ND U
Chloroform	ug/L	ND U	ND U	ND U	ND U
Chloromethane	ug/L	ND U	ND U	ND U	ND U
cis-1,2-Dichloroethene	ug/L	ND U	ND U	ND U	ND U
cis-1,3-Dichloropropene	ug/L	ND U	ND U	ND U	ND U
Cyclohexane	ug/L	ND U	1.6	1.1	0.93 J
Dibromochloromethane	ug/L	ND U	ND U	ND U	ND U
Dichlorodifluoromethane	ug/L	ND U	ND U	ND U	ND U
Ethylbenzene	ug/L	31	1700	1600	1600
Isopropylbenzene	ug/L	4.2	54	120	56
Methyl acetate	ug/L	ND U	ND U	ND U	ND U
Methyl tert-butyl ether	ug/L	ND U	ND U	ND U	ND U
Methylcyclohexane	ug/L	0.66 J	2.7	2.4	1.8
Methylene Chloride	ug/L	ND U	ND U	ND U	ND U
Styrene	ug/L	ND U	ND U	ND U	ND U
Tetrachloroethene	ug/L	ND U	ND U	ND U	ND U
VOCs					
Toluene	ug/L	1.8	42	43	34
trans-1,2-Dichloroethene	ug/L	ND U	ND U	ND U	ND U
trans-1,3-Dichloropropene	ug/L	ND U	ND U	ND U	ND U
Trichloroethene	ug/L	ND U	ND U	ND U	ND U
Trichlorofluoromethane	ug/L	ND U	ND U	ND U	ND U
Vinyl chloride	ug/L	ND U	ND U	ND U	ND U
Xylenes, Total	ug/L	4.1	600	1100	570

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Total Metals					
Aluminum	ug/L	770	58600	18900	42500
Antimony	ug/L	ND U	16 J	ND U	ND U
Arsenic	ug/L	8.6 J	84	16	33
Barium	ug/L	91	740	380	500
Beryllium	ug/L	ND U	2.7	0.93 J	1.8 J
Cadmium	ug/L	ND U	3	1.6	2.6
Calcium	ug/L	127000	237000	251000	267000
Chromium	ug/L	2.8 J	86	31	53
Cobalt	ug/L	2.8 J	42	12	29
Copper	ug/L	3.5 J	220	60	140
Iron	ug/L	24500	139000	46900	85800
Lead	ug/L	8.6	100	520	770
Magnesium	ug/L	31200	42000	43400	47700
Manganese	ug/L	2400 B	7300 B	5600 B	7300 B
Mercury	ug/L	ND U	2.5	0.48	1.7
Nickel	ug/L	2.2 J	110	280	640
Potassium	ug/L	4700	15300	12800	13900
Selenium	ug/L	ND U	18	ND U	10 J
Silver	ug/L	ND U	ND U	ND U	ND U
Sodium	ug/L	10200	74300	64500	68800
Thallium	ug/L	ND U	ND U	ND U	ND U
Vanadium	ug/L	3.1 J	110	30	65
Zinc	ug/L	5.7 J	670	210	400
Dissolved Metals					
Aluminum	ug/L	800	3400	14300	1400
Antimony	ug/L	ND U	ND U	ND U	ND U
Arsenic	ug/L	7 J	ND U	13	27
Barium	ug/L	91	260	340	480
Beryllium	ug/L	ND U	0.3 J	0.82 J	0.86 J
Cadmium	ug/L	ND U	0.49 J	1.7	3
Calcium	ug/L	128000	227000	237000	317000
Chromium	ug/L	1.6 J	6.9	27	ND U
Cobalt	ug/L	3 J	2.4 J	10	15
Copper	ug/L	5 J	10	51	33
Iron	ug/L	24600	29800	41400	41900
Lead	ug/L	9.5	46	440	330
Magnesium	ug/L	31900	31100	42300	40500
Manganese	ug/L	2400	5700	5400	8900
Mercury	ug/L	ND U	0.22	0.41	ND U
Nickel	ug/L	1.6 J	4.6 J	24	15
Potassium	ug/L	4800	10200	11500	7600
Selenium	ug/L	ND U	ND U	ND U	ND U
Silver	ug/L	ND U	ND U	ND U	ND U
Sodium	ug/L	10500	77300	62200	72400
Thallium	ug/L	ND U	ND U	ND U	ND U
Vanadium	ug/L	3 J	9.1	24	17
Zinc	ug/L	7.6 J	29	170	240
Pesticides/Heribicides					
4,4'-DDD	ug/L	ND U	ND U	ND U	ND U
4,4'-DDE	ug/L	0.28 J	ND U	ND U	ND U
4,4'-DDT	ug/L	ND U	ND U	ND U	ND U
Aldrin	ug/L	ND U	ND U	ND U	ND U
alpha-BHC	ug/L	ND U	ND U	ND U	ND U
beta-BHC	ug/L	ND U	ND U	ND U	ND U
Chlordane (technical)	ug/L	ND U	ND U	ND U	ND U
delta-BHC	ug/L	0.26 J	ND U	ND U	ND U
Dieldrin	ug/L	ND U	ND U	ND U	ND U
Endosulfan I	ug/L	ND U	ND U	ND U	ND U
Endosulfan II	ug/L	ND U	ND U	ND U	ND U
Endosulfan sulfate	ug/L	ND U	ND U	ND U	ND U
Endrin	ug/L	ND U	ND U	ND U	ND U
Endrin aldehyde	ug/L	ND U	ND U	ND U	ND U

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Pesticides/Heribicides					
gamma-BHC (Lindane)	ug/L	ND U	ND U	ND U	ND U
Heptachlor	ug/L	ND U	ND U	ND U	ND U
Heptachlor epoxide	ug/L	ND U	ND U	ND U	ND U
Methoxychlor	ug/L	ND U	ND U	ND U	ND U
Toxaphene	ug/L	ND U	ND U	ND U	ND U
PCBs					
PCB-1016	ug/L	ND U	ND U	ND U	ND U
PCB-1221	ug/L	ND U	ND U	ND U	ND U
PCB-1232	ug/L	ND U	ND U	ND U	ND U
PCB-1242	ug/L	ND U	ND U	ND U	ND U
PCB-1248	ug/L	ND U	ND U	ND U	ND U
PCB-1254	ug/L	ND U	ND U	ND U	ND U
PCB-1260	ug/L	ND U	ND U	ND U	ND U
Miscellaneous					
Alkalinity, Total	ug/L	428000 B	937000 ^B	920000 ^B	1130000 ^B
Ammonia	ug/L	410 B	3000	2800	1700 B
Biochemical Oxygen Demand	ug/L	2100 *	14700 *	10300	43800
Chemical Oxygen Demand	ug/L	22700	91100	92800	106000
Chloride	ug/L	8700	49400	61800	60700
Cyanide, Total	ug/L	83	ND U	88	100
Dissolved Cyanide	ug/L	84	260	71	82
Hardness as calcium carbonate	ug/L	541000	858000	938000	1390000
Nitrate as N	ug/L	ND U	ND U	99	ND U
Oil and Grease	ug/L	280 J	670	530	210 J
pH	--	7.17	7.28	7.38	7.41
Phosphorus	ug/L	780	1100	970	740
Sulfate	ug/L	154000	1800 J	91200 B	1500 J B
Sulfide	ug/L	ND U	ND U	ND U	72 J
Total Kjeldahl Nitrogen	ug/L	560	4500	5700	4900
Total Organic Carbon	ug/L	6300	20700	24800	24300
Total Dissolved Solids	ug/L	539000	915000	942000	931000
Total Suspended Solids	ug/L	44400	703000	291000	4110000

Notes:
1. Samples collected by ARCADISon the dates indicated.
2. Samples analyzed by TestAmerica, Inc. located in Amherst, NY, Seattle, WA, and Savannah, GA.
3. U - Indicates that the compound was analyzed for but not detected.
4. J - Indicates that the concentration is less than the reporting limit but greater than or equal to the Method Detection Limit and the result is an estimated value.
5. B - Idicates that the compound that was analyzed for was found in the sample blank.
6. ^ - Indicates that the instrument-related quality control exceeded the control limits.
7. * - Indicates that the laboratory control spike or laboratory control spike duplicate exceeded the control limits.