

Table 1
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
7/19-7/26/2011

375-6 SCO - Protection of Public Health - Unrestricted, Residential, Restricted- Residential, Commercial, and Industrial
Soil Samples - Analyzed for VOCs 8260 B

Soil Sample ID / Depth Taken From Below Ground Surface		DUPLICATE (7/20/11)	HRP-SB-1 (0-2)	HRP-SB-2 (4)	(2) HRP-SB-3 (4)	(2) HRP-SB-4 (2-4)	HRP-SB-5 (2-4)	HRP-SB-6 (2-4)	HRP-SB-7 (2-4)	HRP-SB-8 (0-4)	HRP-SB-9 (2-4)	HRP-SB-10 (2-4)	HRP-SB-11 (2-4)	375-6 SCO - Protection of Public Health Unrestricted (ug/kg)	375-6 SCO - Protection of Public Health - Residential (ug/kg)	375-6 SCO - Protection of Public Health - Restricted- Residential (ug/kg)	375-6 SCO - Protection of Public Health - Commercial (ug/kg)	375-6 SCO - Protection of Public Health - Industrial (ug/kg)
Date Collected		7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/19/2011	7/19/2011					
VOCs 8260 B (ug/kg)	CAS #																	
1,1,1-Trichloroethane	71-55-6	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	680	100,000	100,000	500,000	1,000,000
1,1,2-Trichlorotrifluoroethane (freon 113)	76-13-1	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	NE	NE	NE	NE	NE
1,1-Dichloroethane	75-34-3	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	270	19,000	26,000	240,000	480,000
1,2,4-Trimethylbenzene	95-63-6	<5.3	1.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	3,600	47,000	52,000	190,000	380,000
1,3,5-Trimethylbenzene	108-67-8	<5.3	1.4	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	8,400	47,000	52,000	190,000	380,000
2-Butanone (MEK)	78-93-3	<5.3	45	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	11	<5.5	<4.9	120	100,000	100,000	500,000	1,000,000
Acetone	67-64-1	<5.3	140	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	60	14	29	50	100,000	100,000	500,000	1,000,000
Carbon disulfide	75-15-0	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	NE	NE	NE	NE	NE
cis-1,2-Dichloroethylene	156-59-2	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	250	59,000	100,000	500,000	1,000,000
Ethylbenzene	100-41-4	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	1,000	30,000	41,000	390,000	780,000
m-,p-,o-Xylene	1330-20-7	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	260	100,000	100,000	500,000	1,000,000
m/p-Xylenes	179601-23-1	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	NE	NE	NE	NE	NE
p-Xylene	95-47-6	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	NE	NE	NE	NE	NE
Tetrachloroethylene	127-18-4	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	1,300	5,500	19,000	150,000	300,000
Toluene	108-88-3	<5.3	<5.8	3.3	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	700	100,000	100,000	500,000	1,000,000
Trichloroethylene	79-01-6	<5.3	<5.8	<5	<5.6	<5.2	<5.9	<5.3	<5.2	<5.6	<6.4	<5.5	<4.9	470	10000	21000	200000	400000

Soil Sample ID / Depth Taken From Below Ground Surface		HRP-SB-12 (2-4)	HRP-SB-13 (2-4)	HRP-SB-14 (2-4)	HRP-SB-15 (2-4)	HRP-SB-15 (18-20)	HRP- DUPLICATE (7/25/11)	HRP-MW-1 (2-4)	HRP-MW-2 (2-4)	HRP-MW-3 (2-4)	HRP-MW-4 (2-6)	HRP-MW-5 (2-6)		375-6 SCO - Protection of Public Health Unrestricted (ug/kg)	375-6 SCO - Protection of Public Health - Residential (ug/kg)	375-6 SCO - Protection of Public Health - Restricted- Residential (ug/kg)	375-6 SCO - Protection of Public Health - Commercial (ug/kg)	375-6 SCO - Protection of Public Health - Industrial (ug/kg)
Date Collected		7/19/2011	7/19/2011	7/19/2011	7/19/2011	7/19/2011	7/25/2011	7/26/2011	7/26/2011	7/25/2011	7/25/2011	7/25/2011						
VOCs 8260 B (ug/kg)	CAS #																	
1,1,1-Trichloroethane	71-55-6	5.1	<6.1	<6.2	11	<4.9	<5.7	<5.8	<5.7	<5.2	<5.8	2.1		680	100,000	100,000	500,000	1,000,000
1,1,2-Trichlorotrifluoroethane (freon 113)	76-13-1	<5.4	<6.1	<6.2	170	4100	<5.7	<5.8	<5.7	<5.2	<5.8	<5.4		NE	NE	NE	NE	NE
1,1-Dichloroethane	75-34-3	15	<6.1	<6.2	340	7.3	<5.7	<5.8	<5.7	<5.2	<5.8	3.1		270	19,000	26,000	240,000	480,000
1,2,4-Trimethylbenzene	95-63-6	<5.4	<6.1	<6.2	<5.1	<4.9	<5.7	<5.8	12	<5.2	<5.8	<5.4		3,600	47,000	52,000	190,000	380,000
1,3,5-Trimethylbenzene	108-67-8	<5.4	<6.1	<6.2	<5.1	<4.9	<5.7	<5.8	3.8	<5.2	<5.8	<5.4		8,400	47,000	52,000	190,000	380,000
2-Butanone (MEK)	78-93-3	<5.4	<6.1	16	<5.1	<4.9	<5.7	<5.8	<5.7	<5.2	<5.8	<5.4		120	100,000	100,000	500,000	1,000,000
Acetone	67-64-1	<5.4	39	96	<5.1	<4.9	17	<5.8	12	<5.2	24	27		50	100,000	100,000	500,000	1,000,000
Carbon disulfide	75-15-0	<5.4	<6.1	<6.2	3.1	2.4	<5.7	<5.8	<5.7	<5.2	<5.8	<5.4		NE	NE	NE	NE	NE
cis-1,2-Dichloroethylene	156-59-2	<5.4	1.9	<6.2	32	<4.9	<5.7	<5.8	2.5	<5.2	<5.8	<5.4		250	59,000	100,000	500,000	1,000,000
Ethylbenzene	100-41-4	<5.4	<6.1	<6.2	<5.1	<4.9	<5.7	<5.8	2.6	<5.2	<5.8	<5.4		1,000	30,000	41,000	390,000	780,000
m-,p-,o-Xylene	1330-20-7	<5.4	<6.1	<6.2	<5.1	<4.9	<5.7	<5.8	18	<5.2	<5.8	<5.4		260	100,000	100,000	500,000	1,000,000
m/p-Xylenes	179601-23-1	<5.4	<6.1	<6.2	<5.1	<4.9	<5.7	<5.8	11	<5.2	<5.8	<5.4		NE	NE	NE	NE	NE
p-Xylene	95-47-6	<5.4	<6.1	<6.2	<5.1	<4.9	<5.7	<5.8	7.5	<5.2	<5.8	<5.4		NE	NE	NE	NE	NE
Tetrachloroethylene	127-18-4	3.7	<6.1	<6.2	35	2200	<5.7	<5.8	4.8	<5.2	<5.8	11		1,300	5,500	19,000	150,000	300,000
Toluene	108-88-3	<5.4	<6.1	<6.2	27	<4.9	<5.7	<5.8	1.7	<5.2	<5.8	<5.4		700	100,000	100,000	500,000	1,000,000
Trichloroethylene	79-01-6	1.2	<6.1	<6.2	1.2	110	<5.7	<5.8	<5.7	<5.2	<5.8	<5.4		470	10000	21000	200000	400000

Bold Sample is Above Non-Detect Value but Below Objective
Bold Sample Exceeds Unrestricted Objective
Bold Sample Exceeds Residential Objective
Bold Sample Exceeds Restricted-Residential Objective
Bold Sample Exceeds Commercial Objective
Bold Sample Exceeds Industrial Objective
NE Not Established
NA Not Analyzed
<### Sample is Non-Detect at Laboratory
ug/kg Micrograms per Kilogram
VOCs Volatile Organic Compounds
BGS Below Ground Surface
Soil Cleanup Objectives = NYSDEC 6 NYCRR Part 375-6

Table 2
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
7/19-7/26/2011

375-6 SCO - Protection of Public Health - Unrestricted, Residential, Restricted- Residential, Commercial, and Industrial
Soil Samples - Analyzed for SVOCs 8270 C

Soil Sample ID / Depth Taken From Below Ground Surface		DUPLICATE (7/20/11)	HRP-SB-1 (0-2)	HRP-SB-2 (2-4)	HRP-SB-3 (2-4)	HRP-SB-4 (2-4)	HRP-SB-5 (2-4)	HRP-SB-6 (2-4)	HRP-SB-7 (2-4)	HRP-SB-8 (0-4)	HRP-SB-9 (2-4)	HRP-SB-10 (2-4)	HRP-SB-11 (2-4)	375-6 SCO - Protection of Public Health Unrestricted (ug/kg)	375-6 SCO - Protection of Public Health - Residential (ug/kg)	375-6 SCO - Protection of Public Health - Restricted- Residential (ug/kg)	375-6 SCO - Protection of Public Health - Commercial (ug/kg)	375-6 SCO - Protection of Public Health - Industrial (ug/kg)
Date Collected		7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/19/2011	7/19/2011					
SVOCs 8270 C (ug/kg)	CAS #																	
Benzo(a)anthracene	56-55-3	<380	40	270	<370	<390	<380	<400	54	63	<420	<400	<360	1000	1000	1000	5600	11000
Benzo(a)pyrene	50-32-8	<380	<380	300	<370	<390	<380	<400	45	54	<420	<400	<360	1000	1000	1000	1000	1100
Benzo(b)fluoranthene	205-99-2	<380	59	430	<370	<390	<380	<400	63	69	<420	<400	<360	1000	1000	1000	5600	11000
Benzo(ghi)perylene	191-24-2	<380	<380	270	<370	<390	<380	<400	<370	<370	<420	<400	<360	100,000	100,000	100,000	500,000	1,000,000
Bis(2-ethylhexyl)phthalate	117-81-7	<380	<380	<1700	<370	59	<380	<400	<370	58	73	260	<360	NE	NE	NE	NE	NE
Chrysene	218-01-9	<380	43	300	<370	<390	<380	<400	53	61	<420	<400	<360	1000	1000	3900	56000	110000
Di-n-octyl phthalate	117-84-0	<380	<380	<1700	<370	<390	<380	<400	<370	<370	<420	<400	<360	NE	NE	NE	NE	NE
Fluoranthene	206-44-0	52	65	300	<370	<390	<380	58	82	120	45	<400	<360	10000	100000	100000	500000	1000000
Indeno(1,2,3-cd)pyrene	193-39-5	<380	<380	210	<370	<390	<380	<400	<370	<370	<420	<400	<360	500	500	500	5600	11000
Phenanthrene	85-01-8	<380	<380	<1700	<370	<390	<380	<400	39	55	<420	<400	<360	100000	100,000	100,000	500,000	1,000,000
Pyrene	129-00-0	43	57	260	<370	<390	<380	47	67	92	<420	<400	<360	100000	100,000	100,000	500,000	1,000,000

Soil Sample ID / Depth Taken From Below Ground Surface		HRP-SB-12 (2-4)	HRP-SB-13 (2-4)	HRP-SB-14 (2-4)	HRP-SB-15 (2-4)	HRP-SB-15 (18-20)	HRP- DUPLICATE (7/25/11)	HRP-MW-1(2-4)	HRP-MW-2(2-4)	HRP-MW-3(2-4)	HRP-MW-4(2-6)	HRP-MW-5(2-6)		375-6 SCO - Protection of Public Health Unrestricted (ug/kg)	375-6 SCO - Protection of Public Health - Residential (ug/kg)	375-6 SCO - Protection of Public Health - Restricted- Residential (ug/kg)	375-6 SCO - Protection of Public Health - Commercial (ug/kg)	375-6 SCO - Protection of Public Health - Industrial (ug/kg)
Date Collected		7/19/2011	7/19/11	7/19/2011	7/19/11	7/19/11	7/25/2011	7/26/2011	7/26/2011	7/25/2011	7/25/2011	7/25/2011						
SVOCs 8270 C (ug/kg)	CAS #																	
Benzo(a)anthracene	56-55-3	<360	<420	<410	<360	<370	<380	<380	<370	<370	<380	43		1000	1000	1000	5600	11000
Benzo(a)pyrene	50-32-8	<360	<420	<410	<360	<370	<380	<380	<370	<370	<380	44		1000	1000	1000	1000	11000
Benzo(b)fluoranthene	205-99-2	<360	<420	<410	<360	<370	<380	<380	<370	<370	<380	62		1000	1000	1000	5600	11000
Benzo(ghi)perylene	191-24-2	<360	<420	<410	<360	<370	<380	<380	<370	<370	<380	<370		100,000	100,000	100,000	500,000	1,000,000
Bis(2-ethylhexyl)phthalate	117-81-7	<360	<420	94	<360	<370	180	180	140	530	160	240		NE	NE	NE	NE	NE
Chrysene	218-01-9	<360	<420	<410	<360	<370	<380	<380	<370	<370	<380	72		1000	1000	3900	56000	110000
Di-n-octyl phthalate	117-84-0	<360	<420	<410	<360	<370	<380	<380	<370	43	<380	160		NE	NE	NE	NE	NE
Fluoranthene	206-44-0	<360	<420	44	<360	<370	48	<380	<370	<370	<380	92		10000	100000	100000	500000	1000000
Indeno(1,2,3-cd)pyrene	193-39-5	<360	<420	<410	<360	<370	<380	<380	<370	<370	<380	<370		500	500	500	5600	11000
Phenanthrene	85-01-8	<360	<420	<410	<360	<370	<380	<380	<370	<370	<380	56		100000	100,000	100,000	500,000	1,000,000
Pyrene	129-00-0	<360	<420	<410	<360	<370	48	<380	<370	<370	<380	100		100000	100,000	100,000	500,000	1,000,000

Bold

Bold

Bold

Bold

Bold

Bold

NE

NA

<###

ug/kg

SVOCs

BGS

Soil Cleanup Objectives = NYSDEC 6 NYCRR Part 375-6

Sample is Above Non-Detect Value but Below Objective

Sample Exceeds Unrestricted Objective

Sample Exceeds Residential Objective

Sample Exceeds Restricted-Residential Objective

Sample Exceeds Commercial Objective

Sample Exceeds Industrial Objective

Not Established

Not Analyzed

Sample is Non-Detect at Laboratory

Micrograms per Kilogram

Semi-Volatile Organic Compounds

Below Ground Surface

Table 3
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
7/19-7/20/2011

375-6 SCO - Protection of Public Health - Unrestricted, Residential, Restricted- Residential, Commercial, and Industrial
Soil Samples - Analyzed for Metals

Soil Sample ID / Depth Taken From Below Ground Surface		DUPLICATE (7/20/11)	HRP-SB-1 (0-2)	HRP-SB-2 (2-4)	HRP-SB-3 (2-4)	HRP-SB-4 (2-4)	HRP-SB-5 (2-4)	HRP-SB-6 (2-4)	HRP-SB-7 (2-4)	HRP-SB-8 (0-4)	HRP-SB-9 (2-4)	HRP-SB-10 (2-4)	HRP-SB-11 (2-4)	375-6 SCO - Protection of Public Health Unrestricted (mg/kg)	375-6 SCO - Protection of Public Health - Residential (mg/kg)	375-6 SCO - Protection of Public Health - Restricted- Residential (mg/kg)	375-6 SCO - Protection of Public Health - Commercial (mg/kg)	375-6 SCO - Protection of Public Health - Industrial (mg/kg)
		7/20/2011	7/20/11	7/19/11	7/20/11	7/20/11	7/20/11	7/20/11	7/20/11	7/20/11	7/20/11	7/19/11	7/19/11					
Metals (mg/kg)	CAS #																	
Aluminum, Total	7429-90-5	8190	9290	1690	8370	6530	10800	8860	4920	10200	10800	9420	13000	NE	NE	NE	NE	NE
Antimony	7440-36-0	<0.95	0.43	0.66	0.42	0.87	0.36	0.3	1.3	0.62	0.34	0.89	0.67	NE	NE	NE	NE	NE
Arsenic	7440-38-2	2.5	3.2	7.9	2.2	8.2	2.5	2.3	7.6	3	4	6.4	2.7	13	16	16	16	16
Barium	7440-39-3	93.2	73.9	39.2	34.9	317	112	87.9	71	99.3	147	176	113	350	350	400	400	10,000
Beryllium	7440-41-7	0.4	0.46	0.18	0.45	0.38	0.49	0.48	0.27	0.45	0.55	0.53	0.74	7.2	14	72	590	2,700
Cadmium	7440-43-9	<0.24	0.091	<0.15	<0.15	0.044	<0.17	<0.15	<0.17	0.036	0.065	<0.19	<0.22	2.5	2.5	4.3	9.3	60
Calcium	7440-70-2	13000	3960	283000	2300	116000	9150	9310	181000	14400	25600	95200	4340	NE	NE	NE	NE	NE
Chromium, Total	7440-47-3	10.1	10.8	4.8	11.4	11.2	14.1	11.4	5.8	14	13.7	14.7	16.2	1*	22	110	400	800
Cobalt	7440-48-4	4.4	7.6	3.9	6.3	10	6.7	4.7	3.3	8.4	5.9	8.2	7	NE	NE	NE	NE	NE
Copper	7440-50-8	10.1	16.9	38.3	21.9	27.4	11.7	12.2	16.3	18.6	15.6	23	11.7	50	270	270	270	10,000
Iron	7439-89-6	13900	17000	4860	16700	20200	21000	17200	8940	20600	15700	17800	20600	NE	NE	NE	NE	NE
Lead	7439-92-1	10.4	16.5	8.9	7.1	13.8	10.5	11.3	24.3	23.1	18.7	11.8	13.8	63	400	400	1,000	3,900
Magnesium	7439-95-4	6530	2070	13600	3260	30600	4170	3740	66300	7830	5500	35500	3420	NE	NE	NE	NE	NE
Manganese	7439-96-5	237	989	265	409	282	512	193	298	1050	402	326	956	1,600	2,000	2,000	10,000	10,000
Mercury	7439-97-6	0.055	0.063	0.019	0.027	0.034	0.08	0.05	0.056	0.024	0.08	0.032	0.076	0.18	0.81	0.81	2.8	5.7
Nickel	7440-02-0	12.9	9.2	11.5	13.3	36.4	15.1	11.7	9.4	14.4	14.7	25	12.9	30	140	310	310	10,000
Potassium, Total	7440-09-7	832	613	553	727	754	895	876	697	834	1020	1310	1010	NE	NE	NE	NE	NE
Selenium	7782-49-2	<1.4	<1	<0.89	<0.91	<0.91	<1	<0.93	<1	<0.88	<1.1	<1.1	<1.3	3.9	36	180	1,500	6,800
Silver	7440-22-4	0.065	0.22	<0.89	0.079	0.12	0.12	0.13	0.074	0.22	0.087	0.083	0.17	2	36	180	1,500	6,800
Sodium, Total	7440-23-5	48	108	168	42.2	128	46.1	43.9	253	118	99.8	175	45.3	NE	NE	NE	NE	NE
Thallium	7440-28-0	<0.95	<0.69	<0.6	<0.61	<0.61	<0.67	<0.62	0.99	<0.59	<0.75	<0.74	<0.87	NE	NE	NE	NE	NE
Vanadium	7440-62-2	15.4	19	15.4	16.6	12.9	20.6	16.8	10.4	20.4	19.6	17.2	25	NE	NE	NE	NE	NE
Zinc	7440-66-6	32.9	37.8	13.1	22.4	45	38.1	32.1	36.2	51.1	48.3	38.5	33.1	109	2,200	10,000	10,000	10,000

Soil Sample ID / Depth Taken From Below Ground Surface		HRP-SB-12 (2-4)	HRP-SB-13 (2-4)	HRP-SB-14 (2-4)	HRP-SB-15 (2-4)	HRP-SB-15 (18-20)	SEWER	HRP- DUPLICATE (7/25/11)	HRP-MW-1 (2-4)	HRP-MW-2 (2-4)	HRP-MW-3 (2-4)	HRP-MW-4 (2-6)	HRP-MW-5 (2-6)	375-6 SCO - Protection of Public Health Unrestricted (mg/kg)	375-6 SCO - Protection of Public Health - Residential (mg/kg)	375-6 SCO - Protection of Public Health - Restricted- Residential (mg/kg)	375-6 SCO - Protection of Public Health - Commercial (mg/kg)	375-6 SCO - Protection of Public Health - Industrial (mg/kg)
		7/19/11	7/19/11	7/19/11	7/19/11	7/19/11	7/20/11	7/25/2011	7/26/11	7/26/11	7/25/11	7/25/11	7/25/11					
Metals (mg/kg)	CAS #																	
Aluminum, Total	7429-90-5	5450	11500	9180	7610	5010	2550	6020	5900	4380	6650	8980	6740	NE	NE	NE	NE	NE
Antimony	7440-36-0	1	0.48	0.57	0.54	0.57	1.9	0.33	<0.71	<0.75	<0.86	<1.1	<0.77	NE	NE	NE	NE	NE
Arsenic	7440-38-2	8.6	3.5	5.8	4.3	2.9	9.5	5.6	4.4	5.1	5.3	3.4	6.7	13	16	16	16	16
Barium	7440-39-3	334	110	624	180	55.1	85.4	113	59.7	34.6	102	74.3	190	350	350	400	400	10,000
Beryllium	7440-41-7	0.38	0.6	0.51	0.39	0.27	0.18	0.3	0.32	0.27	0.37	0.52	0.37	7.2	14	72	590	2,700
Cadmium	7440-43-9	0.096	<0.25	<0.29	0.13	<0.16	0.11	<0.16	<0.18	<0.19	<0.21	<0.27	0.044	2.5	2.5	4.3	9.3	60
Calcium	7440-70-2	172000	5820	83100	55100	63400	155000	82400	51300	48600	37500	3380	87100	NE	NE	NE	NE	NE
Chromium, Total	7440-47-3	9.5	15.2	12.9	10	7.5	24	8.4	9	6.5	10.3	12.8	12.1	1*	22	110	400	800
Cobalt	7440-48-4	9.5	8.2	6.9	5.4	5.4	3.1	4.8	5.6	5.7	6.4	6	6.4	NE	NE	NE	NE	NE
Copper	7440-50-8	28.4	12.9	24.5	18.3	31.9	74.9	16.1	17.1	30.5	24.2	19.9	48	50	270	270	270	10,000
Iron	7439-89-6	14200	21500	17700	13400	11100	33900	13600	14400	13500	16800	18900	15300	NE	NE	NE	NE	NE
Lead	7439-92-1	11.6	13.6	14.7	9.1	4.5	40.1	23.3	6.6	3.8	13.2	7.7	21.3	63	400	400	1,000	3,900
Magnesium	7439-95-4	28100	3030	11000	15500	25700	16100	38200	15600	12400	9130	3310	13700	NE	NE	NE	NE	NE
Manganese	7439-96-5	338	1740	226	317	383	489	174	578	754	357	177	239	1,600	2,000	2,000	10,000	10,000
Mercury	7439-97-6	0.026	0.065	0.059	0.031	0.012	0.049	0.018	0.0096	0.0052	0.05	0.027	0.035	0.18	0.81	0.81	2.8	5.7
Nickel	7440-02-0	35.4	11.7	24.5	19	10.9	19.4	15.4	12.5	9.9	19.7	13.3	41.3	30	140	310	310	10,000
Potassium, Total	7440-09-7	802	900	1090	857	1090	463	712	1160	793	795	777	846	NE	NE	NE	NE	NE
Selenium	7782-49-2	<0.89	<1.5	<1.7	<1.5	<0.94	<1.3	<0.97	<1.1	<1.1	<1.3	<1.6	<1.1	3.9	36	180	1,500	6,800
Silver	7440-22-4	0.076	0.34	<1.7	0.07	0.083	0.77	0.1	0.18	0.21	0.28	0.18	0.76	2	36	180	1,500	6,800
Sodium, Total	7440-23-5	134	92	97	85.4	116	157	116	100	76.2	77.8	55.5	93.9	NE	NE	NE	NE	NE
Thallium	7440-28-0	<0.59	<1	<1.2	<1	<0.63	<0.88	0.87	<0.71	<0.75	<0.86	<1.1	0.68	NE	NE	NE	NE	NE
Vanadium	7440-62-2	13	25.9	17.6	13.8	10	17.9	11.7	11.8	11.1	13.4	17.9	16	NE	NE	NE	NE	NE
Zinc	7440-66-6	42.2	79.3	45	44.9	23.9	58.8	31.9	23.2	26	30.6	24.9	67.6	109	2,200	10,000	10,000	10,000

Bold Sample is Above Non-Detect Value but Below Objective
Bold Sample Exceeds Unrestricted Objective
Bold Sample Exceeds Residential Objective
Bold Sample Exceeds Restricted-Residential Objective
Bold Sample Exceeds Commercial Objective
Bold Sample Exceeds Industrial Objective
NE Not Established
NA Not Analyzed
<### Sample is Non-Detect at Laboratory
mg/kg Milligrams per Kilogram
BGS Below Ground Surface
1* - Chromium, Total Chromium DEC standards as shown are for Hexavalent Chromium.

Table 3
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
7/19-7/20/2011
375-6 SCO - Protection of Public Health - Unrestricted, Residential, Restricted- Residential, Commercial, and Industrial
Soil Samples - Analyzed for Metals

Soil Sample ID / Depth Taken From Below Ground Surface	DUPLICATE (7/20/11)	HRP-SB-1 (0-2)	HRP-SB-2 (2-4)	HRP-SB-3 (2-4)	HRP-SB-4 (2-4)	HRP-SB-5 (2-4)	HRP-SB-6 (2-4)	HRP-SB-7 (2-4)	HRP-SB-8 (0-4)	HRP-SB-9 (2-4)	HRP-SB-10 (2-4)	HRP-SB-11 (2-4)	375-6 SCO - Protection of Public Health Unrestricted (mg/kg)	375-6 SCO - Protection of Public Health - Residential (mg/kg)	375-6 SCO - Protection of Public Health - Restricted- Residential (mg/kg)	375-6 SCO - Protection of Public Health - Commercial (mg/kg)	375-6 SCO - Protection of Public Health - Industrial (mg/kg)
Date Collected	7/20/2011	7/20/11	7/19/11	7/20/11	7/20/11	7/20/11	7/20/11	7/20/11	7/20/11	7/20/11	7/19/11	7/19/11					

Soil Cleanup Objectives = NYSDEC 6 NYCRR Part 375-6

Table 4
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
7/19-7/26/2011
375-6 SCO - Protection of Public Health - Unrestricted, Residential, Restricted- Residential, Commercial, and Industrial
Soil Samples - Analyzed for Chlorinated Pesticides

Soil Sample ID / Depth Taken From Below Ground Surface		HRP-SB-8 (0-4)	HRP-SB-9 (2-4)	HRP-DUPLICATE (7/25/11)	HRP-MW-1 (2-4)	HRP-MW-2 (2-4)	HRP-MW-3 (2-4)	HRP-MW-4 (2-6)	HRP-MW-5 (2-6)	375-6 SCO - Protection of Public Health Unrestricted (ug/kg)	375-6 SCO - Protection of Public Health - Residential (ug/kg)	375-6 SCO - Protection of Public Health - Restricted- Residential (ug/kg)	375-6 SCO - Protection of Public Health - Commercial (ug/kg)	375-6 SCO - Protection of Public Health - Industrial (ug/kg)
Date Collected		7/20/11	7/20/11	7/25/2011	7/25/2011	7/25/2011	7/25/2011	7/25/2011	7/25/2011					
Soil-Pest-8081A ug/kg	CAS #													
4,4'-DDD	72-54-8	<3.7	<4.2	<3.9	<3.8	<3.7	<3.8	<3.8	<3.8	3.3	2600	13000	92000	180000
4,4'-DDE	72-55-9	<3.7	<4.2	<3.9	<3.8	<3.7	<3.8	<3.8	<3.8	3.3	1800	8900	62000	120000
4,4'-DDT	50-29-3	<3.7	<4.2	<3.9	<3.8	<3.7	<3.8	<3.8	<3.8	3.3	1700	7900	47000	94000
Aldrin	309-00-2	<1.9	<2.2	<2	<1.9	<1.9	<1.9	<2	<1.9	5	19	97	680	1400
alpha-BHC	319-84-6	<1.9	<2.2	<2	<1.9	<1.9	<1.9	<2	<1.9	20	97	480	3400	6800
Alpha-chlordane	5103-71-9	<1.9	<2.2	<2	<1.9	<1.9	<1.9	<2	<1.9	NE	NE	NE	NE	NE
beta-BHC	319-85-7	<1.9	<2.2	<2	<1.9	<1.9	<1.9	<2	<1.9	36	72	360	3000	14000
delta-BHC	319-86-8	<1.9	<2.2	<2	<1.9	<1.9	<1.9	<2	<1.9	40	100000	100000	500000	1000000
Dieldrin	60-57-1	<3.7	<4.2	<3.9	<3.8	<3.7	<3.8	<3.8	<3.8	5	39	200	1400	2,800
Endosulfan I	959-98-8	<1.9	<2.2	<2	<1.9	<1.9	<1.9	<2	<1.9	2400	4,800	24000	200000	920,000
Endosulfan II	33213-65-9	<3.7	<4.2	<3.9	<3.8	<3.7	<3.8	<3.8	<3.8	2400	4,800	24000	200000	920,000
Endosulfan Sulfate	1031-07-8	<3.7	<4.2	<3.9	<3.8	<3.7	<3.8	<3.8	<3.8	2400	4,800	24000	200000	920,000
Endrin	72-20-8	<3.7	<4.2	<3.9	<3.8	<3.7	<3.8	<3.8	<3.8	14	2,200	11000	89000	410,000
Endrin Aldehyde	7421-93-4	<3.7	<4.2	<3.9	<3.8	<3.7	<3.8	<3.8	<3.8	NE	NE	NE	NE	NE
Endrin ketone	53494-70-5	<3.7	<4.2	<3.9	<3.8	<3.7	<3.8	<3.8	<3.8	NE	NE	NE	NE	NE
gamma-BHC (Lindane)	58-89-9	<1.9	<2.2	<2	<1.9	<1.9	<1.9	<2	<1.9	NE	NE	NE	NE	NE
Heptachlor	76-44-8	<1.9	<2.2	<2	<1.9	<1.9	<1.9	<2	<1.9	42	420	2100	15000	29,000
Heptachlor Epoxide	1024-57-3	<1.9	<2.2	<2	<1.9	<1.9	<1.9	<2	<1.9	NE	77	NE	NE	NE
Methoxychlor	72-43-5	<19	<22	<20	<19	<19	<19	<20	<19	NE	100,000	NE	NE	NE
Toxaphene	8001-35-2	<190	<220	<200	<190	<190	<190	<200	<190	NE	NE	NE	NE	NE
trans-Chlordane	5103-74-2	<1.9	<2.2	<2	<1.9	<1.9	<1.9	<2	<1.9	NE	540	NE	NE	NE

Bold Sample is Above Non-Detect Value but Below Objective
Bold Sample Exceeds Unrestricted Objective
Bold Sample Exceeds Residential Objective
Bold Sample Exceeds Restricted-Residential Objective
Bold Sample Exceeds Commercial Objective
Bold Sample Exceeds Industrial Objective
NE Not Established
<### Sample is Non-Detect at Laboratory
mg/kg Milligrams per Kilogram
BGS Below Ground Surface
Soil Cleanup Objectives = NYSDEC 6 NYCRR Part 375-6

Table 5
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
7/19-7/26/2011

375-6 SCO - Protection of Public Health - Unrestricted, Residential, Restricted- Residential, Commercial, and Industrial
Soil Samples - Analyzed for Polychlorinated Biphenyls (PCBs) and Cyanide

Soil Sample ID / Depth Taken From Below Ground Surface		HRP-MW-2 (2-4)	HRP-MW-3 (2-4)	HRP-MW-4 (2-6)	HRP-MW-5 (2-6)	375-6 SCO - Protection of Public Health Unrestricted (mg/kg)	375-6 SCO - Protection of Public Health - Residential (mg/kg)	375-6 SCO - Protection of Public Health - Restricted- Residential (mg/kg)	375-6 SCO - Protection of Public Health - Commercial (mg/kg)	375-6 SCO - Protection of Public Health - Industrial (mg/kg)
Date Collected		7/25/2011	7/25/2011	7/25/2011	7/25/2011					
PCBs (mg/kg)	CAS #									
Cyanide, Total	57-12-5	<0.92	<1.1	<0.69	<0.83	NE	NE	NE	NE	10000
PCB-1016	12674-11-2	<37	<38	<38	<38	NE	NE	NE	NE	NE
PCB-1221	11104-28-2	<37	<38	<38	<38	NE	NE	NE	NE	NE
PCB-1232	11141-16-5	<37	<38	<38	<38	NE	NE	NE	NE	NE
PCB-1242	53469-21-9	<37	<38	<38	<38	NE	NE	NE	NE	NE
PCB-1248	12672-29-6	<37	<38	<38	<38	NE	NE	NE	NE	NE
PCB-1254	11097-69-1	<37	<38	<38	<38	NE	NE	NE	NE	NE
PCB-1260	11096-82-5	<37	<38	<38	<38	NE	NE	NE	NE	NE
PCBs-Total		<259	<266	<266	<266	0.1	1	1	1	25

Bold Sample is Above Non-Detect Value but Below Objective
Bold Sample Exceeds Unrestricted Objective
Bold Sample Exceeds Residential Objective
Bold Sample Exceeds Restricted-Residential Objective
Bold Sample Exceeds Commercial Objective
Bold Sample Exceeds Industrial Objective
NE Not Established
<### Sample is Non-Detect at Laboratory
mg/kg Milligrams per Kilogram
BGS Below Ground Surface
Soil Cleanup Objectives = NYSDEC 6 NYCRR Part 375-6

Table 6
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
7/25/2011 - 7/26/2011 and 8/4/2011
Groundwater Samples - Analyzed for VOCs 8260 B

Groundwater Sample ID		DUPLICATE (7/20/11)	HRP-SB-1 W		HRP-SB-3 W	HRP-SB-4 W	HRP-SB-5 W	HRP-SB-6 W	HRP-SB-7 W	HRP-SB-8 W	HRP-SB-9 W	HRP-SB-10 W		HRP-SB-11 W	HRP-SB-12 W	HRP-SB-13 W	HRP-SB-14 W	HRP-SB-15	HRP-MW-1 (8/4/11)	HRP-MW-2 (8/4/11)		HRP-MW-3 (8/4/11)	HRP-MW-4 (8/4/11)	HRP-MW-5 (8/4/11)	FIELD DUPLICATE (8/4/11)	TRIP BLANK (8/4/2011)	NYSDEC Class GA Criteria
		7/20/2011	7/20/2011	1405	7/20/2011 1150	7/20/2011 1230	7/20/2011 1315	7/20/2011 1330	7/20/2011 0915	7/20/2011 1150	7/19/2011 1715	7/19/2011 1430	7/19/2011 1410	7/19/2011 1207	7/19/2011 1520	7/20/2011 1630	7/19/2011 1145	8/4/2011 1230	8/4/2011 1315	8/4/2011 1440	8/4/2011 1130	8/4/2011 1222	8/4/2011	8/4/2011			
VOCs 8260 B (ug/L)	CAS #																										
1,1,1-Trichloroethane	71-55-6	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	24	1	<5	<5	<5	<5	6100	6400	<5	5	
1,1,2,2-Tetrachloroethane	79-34-5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	
1,1,2-Trichloroethane	79-00-5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8.5	8.7	<5	1	
1,1,2-Trichlorotrifluoroethane (freon 113)	76-13-1	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	4.6	<5	<5	14000	<5	5.9	<5	19	17000	17000	<5	5		
1,1-Dichloroethane	75-34-3	<5	<5	<5	<5	<5	<5	1.7	<5	<5	<5	<5	<5	<5	<5	<5	490	<5	<5	<5	2.4	2100	2100	<5	5		
1,1-Dichloroethylene	75-35-4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	
1,2,4-Trichlorobenzene	120-82-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	
1,2-Dibromo-3-chloropropane	96-12-8	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.04	
1,2-Dibromoethane (EDB)	106-93-4	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NE	
1,2-Dichlorobenzene	95-50-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3	
1,2-Dichloroethane	107-06-2	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3.2	3.2	<5	0.6	
1,2-Dichloropropane	78-87-5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1	
1,3-Dichlorobenzene	541-73-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3	
1,3-Dichloropropene (cis)	10061-01-5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.4	
1,3-Dichloropropene (trans)	10061-02-6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.4	
1,4-Dichlorobenzene	106-46-7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3	
2-Butanone (MEK)	78-93-3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50	
2-Hexanone (Methyl butyl ketone/MBK)	591-78-6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	78	80	<5	50	
Acetone	67-64-1	<5	130	<5	<5	<5	<5	<5	<5	14	<5	<5	<5	23	<5	<5	<5	<5	<5	6.6	<5	<5	<5	<5	<5	<5	50
Benzene	71-43-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1	
Bromodichloromethane	75-27-4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50	
Bromoform	75-25-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50	
Bromomethane	74-83-9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	
Carbon disulfide	75-15-0	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.3	3.4	<5	<5	<5	<5	<5	60	
Carbon tetrachloride	56-23-5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	
Chlorobenzene	108-90-7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	
Chloroethane	75-00-3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.4	<5	<5	<5	<5	<5	1.6	1.7	<5	5	
Chloroform	67-66-3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	7	
Chloromethane	74-87-3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NE	
cis-1,2-Dichloroethylene	156-59-2	<5	<5	<5	<5	<5	3	<5	<5	<5	<5	<5	<5	28	13	7	<5	3.1	1.3	<5	980	1000	<5	<5	<5	5	
Cyclohexane	110-82-7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NE	
Dibromochloromethane	124-48-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50	
Dichlorodifluoromethane	75-71-8	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	160	180	<5	5	
Ethylbenzene	100-41-4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.2	<5	<5	<5	1.5	1.6	<5	5	
Isopropylbenzene	98-82-8	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	
m,p-Xylenes	179601-23-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	9.8	<5	<5	8.1	8.1	<5	<5	5	
METHYL ACETATE	79-20-9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NE	
Methyl isobutyl ketone (MIBK)	108-10-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NE	
Methylcyclohexane	108-87-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NE	
Methylene chloride	75-09-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	26	24	<5	5	
Methyltertbutyl ether	1634-04-4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1). Ambient water quality, class GA standards/guidance values from Table 1.

Bold Sample Exceeds NYSDEC Class GA Criteria
Bold Sample is above Non-Detect Value but Below NYSDEC Class GA Criteria
<### Sample is Non

Table 7
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
August 4, 2011
Groundwater Samples - Analyzed for SVOCs 8270 C

Groundwater Sample ID		FIELD DUPLICATE (8/4/11)	HRP-MW-1 (8/4/11)	HRP-MW-2 (8/4/11)	HRP-MW-3 (8/4/11)	HRP-MW-4 (8/4/11)	HRP-MW-5 (8/4/11)	NYSDEC Class GA Criteria
		8/4/2011	8/4/2011 1230	8/4/2011 1315	8/4/2011 1440	8/4/2011 1130	8/4/2011 1222	
Date Collected								
SVOCs 8270 C (mg/L)	CAS #							
1,2,4-Trichlorobenzene	120-82-1	<10	<10	<10	<10	<10	<10	5
1,2-Dichlorobenzene	95-50-1	<10	<10	<10	<10	<10	<10	3
1,3-Dichlorobenzene	541-73-1	<10	<10	<10	<10	<10	<10	5
1,4-Dichlorobenzene	106-46-7	<10	<10	<10	<10	<10	<10	5
2,4,5-Trichlorophenol	95-95-4	<20	<20	<20	<20	<20	<20	NE
2,4,6-Trichlorophenol	88-06-2	<10	<10	<10	<10	<10	<10	NE
2,4-Dichlorophenol	120-83-2	<10	<10	<10	<10	<10	<10	5
2,4-Dimethylphenol	105-67-9	<10	<10	<10	<10	<10	<10	50
2,4-Dinitrophenol	51-28-5	<20	<20	<20	<20	<20	<20	10
2,4-Dinitrotoluene	121-14-2	<10	<10	<10	<10	<10	<10	5
2,6-Dinitrotoluene	606-20-2	<10	<10	<10	<10	<10	<10	5
2-Chloronaphthalene	91-58-7	<10	<10	<10	<10	<10	<10	10
2-Chlorophenol	95-57-8	<10	<10	<10	<10	<10	<10	NE
2-Methyl-4,6-dinitrophenol	534-52-1	<20	<20	<20	<20	<20	<20	NE
2-Methylnaphthalene	91-57-6	<10	<10	<10	<10	<10	<10	NE
2-Nitroaniline	88-74-4	<20	<20	<20	<20	<20	<20	5
2-Nitrophenol	88-75-5	<10	<10	<10	<10	<10	<10	NE
3,3-Dichlorobenzidine	91-94-1	<10	<10	<10	<10	<10	<10	5
3-Nitroaniline	99-09-2	<20	<20	<20	<20	<20	<20	5
4-Bromophenylphenyl ether	101-55-3	<10	<10	<10	<10	<10	<10	NE
4-Chloro-3-methylphenol	59-50-7	<10	<10	<10	<10	<10	<10	NE
4-Chloroaniline	106-47-8	<10	<10	<10	<10	<10	<10	5
4-Chlorophenyl phenylether	7005-72-3	<10	<10	<10	<10	<10	<10	NE
4-Nitroaniline	100-01-6	<20	<20	<20	<20	<20	<20	5
4-Nitrophenol	100-02-7	<20	<20	<20	<20	<20	<20	NE
Acenaphthene	83-32-9	<10	<10	<10	<10	<10	<10	20
Acenaphthylene	208-96-8	<10	<10	<10	<10	<10	<10	NE
Anthracene	120-12-7	<10	<10	<10	<10	<10	<10	50
Benzo(a)anthracene	56-55-3	<10	<10	<10	<10	<10	<10	0.002
Benzo(a)pyrene	50-32-8	<10	<10	<10	<10	<10	<10	NE (<5)
Benzo(b)fluoranthene	205-99-2	<10	<10	<10	<10	<10	<10	0.002
Benzo(ghi)perylene	191-24-2	<10	<10	<10	<10	<10	<10	NE
Benzo(k)fluoranthene	207-08-9	<10	<10	<10	<10	<10	<10	0.002
Bis(2-chloroethoxy)methane	111-91-1	<10	<10	<10	<10	<10	<10	5
Bis(2-Chloroethyl)Ether	111-44-4	<10	<10	<10	<10	<10	<10	1
Bis(2-ethylhexyl)phthalate	117-81-7	<10	<10	<10	<10	<10	<10	5
Bis-Chloroisopropyl Ether	108-60-1	<10	<10	<10	<10	<10	<10	NE
Butylbenzyl phthalate	85-68-7	<10	<10	<10	<10	<10	<10	50
Carbazole	86-74-8	<10	<10	<10	<10	<10	<10	NE
Chrysene	218-01-9	<10	<10	<10	<10	<10	<10	0.002
Dibenzo(a,h)anthracene	53-70-3	<10	<10	<10	<10	<10	<10	NE
Dibenzofuran	132-64-9	<10	<10	<10	<10	<10	<10	NE
Diethyl phthalate	84-66-2	<10	<10	<10	<10	<10	<10	50
Dimethyl phthalate	131-11-3	<10	<10	<10	<10	<10	<10	50
Di-n-butyl phthalate	84-74-2	<10	<10	<10	<10	<10	<10	NE
Di-n-octyl phthalate	117-84-0	<10	<10	<10	<10	<10	<10	50
Fluoranthene	206-44-0	<10	<10	<10	<10	<10	<10	50
Fluorene	86-73-7	<10	<10	<10	<10	<10	<10	50
Hexachlorobenzene	118-74-1	<10	<10	<10	<10	<10	<10	0.04
Hexachlorobutadiene	87-68-3	<10	<10	<10	<10	<10	<10	0.5
Hexachlorocyclopentadiene	77-47-4	<10	<10	<10	<10	<10	<10	5
Hexachloroethane	67-72-1	<10	<10	<10	<10	<10	<10	5
Indeno(1,2,3-cd)pyrene	193-39-5	<10	<10	<10	<10	<10	<10	0.002
Isophorone	78-59-1	<10	<10	<10	<10	<10	<10	50
Naphthalene	91-20-3	<10	<10	<10	<10	<10	<10	10
Nitrobenzene	98-95-3	<10	<10	<10	<10	<10	<10	0.4
N-Nitrosodi-n-propylamine	621-64-7	<10	<10	<10	<10	<10	<10	NE
N-Nitrosodiphenylamine	86-30-6	<10	<10	<10	<10	<10	<10	50
o-cresol	95-48-7	<10	<10	<10	<10	<10	<10	NE
p-Cresol	106-44-5	<10	<10	<10	<10	<10	<10	NE
Pentachlorophenol	87-86-5	<20	<20	<20	<20	<20	<20	1
Phenanthrene	85-01-8	<10	<10	<10	<10	<10	<10	50
Phenol	108-95-2	<10	<10	<10	<10	<10	<10	1
Pyrene	129-00-0	<10	<10	<10	<10	<10	<10	50

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1), Ambient water quality, class GA standards/guidance values from Table 1.

NE Not Established
NA Not Analyzed
<### Sample is Non-Detect at Laboratory
mg/l milligrams per liter
SVOCs Semi-Volatile Organic Compounds

Table 8
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
August 4, 2011
Groundwater Samples - Analyzed for Metals

Groundwater Sample ID		FIELD DUPLICATE (8/4/11)		HRP-MW-1 (8/4/11)	HRP-MW-2 (8/4/11)	HRP-MW-3 (8/4/11)	HRP-MW-4 (8/4/11)	HRP-MW-5 (8/4/11)	NYSDEC Class GA Criteria
		8/4/2011		8/4/2011 1230	8/4/2011 1315	8/4/2011 1440	8/4/2011 1130	8/4/2011 1222	
Date Collected									
Metals (mg/L)		CAS #							
Aluminum, Total	7429-90-5	91.5	(<200)	(<200)	(<200)	4150	84.2	100	
Antimony	7440-36-0	(<20)	(<20)	(<20)	(<20)	(<20)	(<20)	3	
Arsenic	7440-38-2	5.2	<20	<20	<20	<20	<20	25	
Barium	7440-39-3	96.9	155	19.6	39.7	168	93.8	1000	
Beryllium	7440-41-7	(<5)	(<5)	(<5)	(<5)	(<5)	(<5)	3	
Cadmium	7440-43-9	<5	<5	<5	<5	<5	<5	5	
Calcium	7440-70-2	133000	145000	128000	120000	72200	130000	NE	
Chromium, Total	7440-47-3	0.91	0.81	0.68	<20	4.8	1.1	50	
Cobalt	7440-48-4	<50	3.8	3.2	1.6	1.8	<50	NE	
Copper	7440-50-8	<30	<30	<30	<30	11	<30	200	
Iron	7439-89-6	9940	193	398	33.4	4460	9870	300	
Lead	7439-92-1	<10	<10	<10	<10	<10	<10	25	
Magnesium	7439-95-4	23500	62300	32000	17300	12600	23100	35000	
Manganese	7439-96-5	2850	675	608	898	607	2810	300	
Mercury	7439-97-6	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	
Nickel	7440-02-0	3.2	7.3	7.3	2.4	8.2	2.9	100	
Potassium, Total	7440-09-7	2820	2560	4350	733	5310	2820	NE	
Selenium	7782-49-2	(<30)	(<30)	(<30)	(<30)	(<30)	(<30)	10	
Silver	7440-22-4	<30	<30	<30	<30	<30	<30	50	
Sodium, Total	7440-23-5	42000	99500	62600	29300	55000	42100	20000	
Thallium	7440-28-0	(<20)	(<20)	(<20)	(<20)	(<20)	(<20)	0.5	
Vanadium	7440-62-2	<50	<50	<50	<50	5.9	<50	NE	
Zinc	7440-66-6	13	17	15.1	12.8	23.1	12.6	2000	

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1), Ambient water quality, class GA standards/guidance values from Table 1.

Bold Sample Exceeds NYSDEC Class GA Criteria

NE Not Established

NA Not Analyzed

MW Monitoring Well

<### Sample is Non-Detect at Laboratory

mg/l milligrams per liter

Chromium, Total Chromium DEC standards as shown are for Hexavalent Chromium.

Table 9
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
August 4, 2011
Groundwater Samples - Analyzed for Chlorinated Pesticides bu EPA Method 8081A

Groundwater Sample ID		FIELD DUPLICATE (8/4/11)	HRP-MW-1 (8/4/11)	HRP-MW-2 (8/4/11)	HRP-MW-3 (8/4/11)	HRP-MW-4 (8/4/11)	HRP-MW-5 (8/4/11)	NYSDEC Class GA Criteria
		8/4/2011	8/4/2011 1230	8/4/2011 1315	8/4/2011 1440	8/4/2011 1130	8/4/2011 1222	
Date Collected								
PCBs (mg/L)	CAS #							
4,4'-DDD	72-54-8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3
4,4'-DDE	72-55-9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2
4,4'-DDT	50-29-3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2
Aldrin	309-00-2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND(<0.05)
alpha-BHC	319-84-6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND(<0.05)
Alpha-chlordane	5103-71-9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS
beta-BHC	319-85-7	0.11	<0.05	<0.05	<0.05	<0.05	0.15	ND(<0.05)
delta-BHC	319-86-8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND(<0.05)
Dieldrin	60-57-1	(<0.1)	(<0.1)	(<0.1)	(<0.1)	(<0.1)	(<0.1)	0.001
Endosulfan I	959-98-8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS
Endosulfan II	33213-65-9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NS
Endosulfan Sulfate	1031-07-8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NS
Endrin	72-20-8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND(<0.1)
Endrin Aldehyde	7421-93-4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	5
Endrin ketone	53494-70-5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	5
gamma-BHC (Lindane)	58-89-9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Heptachlor	76-44-8	(<0.05)	(<0.05)	(<0.05)	(<0.05)	(<0.05)	(<0.05)	0.04
Heptachlor Epoxide	1024-57-3	(<0.05)	(<0.05)	(<0.05)	(<0.05)	(<0.05)	(<0.05)	0.03
Methoxychlor	72-43-5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	35
Toxaphene	8001-35-2	(<5)	(<5)	(<5)	(<5)	(<5)	(<5)	0.06
trans-Chlordane	5103-74-2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1), Ambient water quality,

class GA standards/guidance values from Table 1.

mg/l milligrams per liter

NE Not Established

<### Sample is Non-Detect at Laboratory

Table 10
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
August 4, 2011
Groundwater Samples - Analyzed for Polychlorinated Biphenyls (PCBs) and Cyanide

Groundwater Sample ID		FIELD DUPLICATE (8/4/11)	HRP-MW-1 (8/4/11)	HRP-MW-2 (8/4/11)	HRP-MW-3 (8/4/11)	HRP-MW-4 (8/4/11)	HRP-MW-5 (8/4/11)	NYSDEC Class GA Criteria
		8/4/2011	8/4/2011	8/4/2011	8/4/2011	8/4/2011	8/4/2011	
Date Collected		8/4/2011	1230	1315	1440	1130	1222	
PCBs AND Cyanide(mg/l)	CAS #							
Cyanide, Total	57-12-5	<20	<20	<20	<20	<20	<20	200
PCB-1016	12674-11-2	<1	<1	<1	<1	<1	<1	NE
PCB-1221	11104-28-2	<1	<1	<1	<1	<1	<1	NE
PCB-1232	11141-16-5	<1	<1	<1	<1	<1	<1	NE
PCB-1242	53469-21-9	<1	3.9	3.5	<1	<1	<1	NE
PCB-1248	12672-29-6	<1	<1	<1	<1	<1	<1	NE
PCB-1254	11097-69-1	<1	<1	<1	<1	<1	<1	NE
PCB-1260	11096-82-5	<1	<1	<1	<1	<1	<1	NE
PCBs-Total		(<7)	3.9	3.5	(<7)	(<7)	(<7)	0.09

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1), Ambient water quality, class GA standards/guidance values from Table 1.

Bold	Sample Exceeds NYSDEC Class GA Criteria
NE	Not Established
<###	Sample is Non-Detect at Laboratory
NA	Not Sampled
mg/l	milligrams per liter

Table 11
Site Characterization for Northern Circuits - Site ID 734124
6 Adler Drive
Syracuse, New York
August 31, 2011
Soil Vapor and Indoor Air Samples - Analyzed via EPATO-15

Air-TO-15	CAS #	Unit	Field Blank	HRP-SV-8	Field Duplicate (HRP-SV-9)	HRP-SV-9	HRP-SV-10	Indoor Air	Trip Blank	NYSDOH Air Guidance Values
Date Collected			8/31/2011	8/31/2011	8/31/2011	8/31/2011	8/31/2011	8/31/2011	8/31/2011	
1,1,1-Trichloroethane	71-55-6	ug/m3	<0.83	680	1.2	<0.83	7.5	<0.83	<0.83	NE
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NE
1,1,2-Trichloroethane	79-00-5	ug/m3	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	NE
1,1,2-Trichlorotrifluoroethane (freon 113)	76-13-1	ug/m3	<1.2	110	2.2	0.86	4.9	<1.2	<1.2	NE
1,1-Dichloroethane	75-34-3	ug/m3	<0.62	160	<0.62	<0.62	<0.62	<0.62	<0.62	NE
1,1-Dichloroethylene	75-35-4	ug/m3	<0.60	38	<0.60	0.56	<0.60	<0.60	<0.60	NE
1,2,4-Trichlorobenzene	120-82-1	ug/m3	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	NE
1,2,4-Trimethylbenzene	95-63-6	ug/m3	0.80	12	10	13	10	9.5	<0.75	NE
1,2-Dibromoethane (EDB)	106-93-4	ug/m3	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NE
1,2-Dichlorobenzene	95-50-1	ug/m3	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	NE
1,2-Dichloroethane	107-06-2	ug/m3	<0.62	<0.62	<0.62	0.49	<0.62	<0.62	<0.62	NE
1,2-Dichloropropane	78-87-5	ug/m3	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	NE
1,2-Dichlorotetrafluoroethane (Freon 114)	76-14-2	ug/m3	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	NE
1,3 Butadiene	106-99-0	ug/m3	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	NE
1,3,5-Trimethylbenzene	108-67-8	ug/m3	<0.75	4.1	3.6	4.8	3.6	3.6	<0.75	NE
1,3-Dichlorobenzene	541-73-1	ug/m3	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	NE
1,3-Dichloropropene (cis)	10061-01-5	ug/m3	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	NE
1,3-Dichloropropene (trans)	10061-02-6	ug/m3	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	NE
1,4-Dichlorobenzene	106-46-7	ug/m3	<0.92	<0.92	1.3	0.92	3.1	<0.92	<0.92	NE
1,4-Dioxane	123-91-1	ug/m3	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	NE
2,2,4-Trimethylpentane	540-84-1	ug/m3	<0.71	0.76	1.0	0.71	1.6	<0.71	<0.71	NE
2-Butanone (MEK)	78-93-3	ug/m3	1.6	<0.90	6.0	6.0	12	2.9	<0.90	NE
2-Hexanone (Methyl butyl ketone/MBK)	591-78-6	ug/m3	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NE
4-Bromofluorobenzene	460-00-4	ug/m3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NE
4-Ethyltoluene	622-96-8	ug/m3	<0.75	2.9	2.8	3.1	2.7	2.4	<0.75	NE
Acetone	67-64-1	ug/m3	25	120	100	61	56	55	<0.72	NE
Benzene	71-43-2	ug/m3	0.45	4.7	1.3	1.0	4.0	0.62	<0.49	NE
Benzyl chloride	100-44-7	ug/m3	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	NE
Bromodichloromethane	75-27-4	ug/m3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NE
Bromoform	75-25-2	ug/m3	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	NE
Bromomethane	74-83-9	ug/m3	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	NE
Carbon disulfide	75-15-0	ug/m3	<0.47	3.7	2.8	1.6	4.4	0.54	<0.47	NE
Carbon tetrachloride	56-23-5	ug/m3	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	NE
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	ug/m3	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	NE
Chlorobenzene	108-90-7	ug/m3	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	NE
Chloroethane	75-00-3	ug/m3	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NE
Chloroform	67-66-3	ug/m3	<0.74	2.2	1.9	1.9	1.6	0.99	<0.74	NE
Chloromethane	74-87-3	ug/m3	0.78	0.86	<0.31	<0.31	0.90	0.90	<0.31	NE
cis-1,2-Dichloroethylene	156-59-2	ug/m3	<0.60	16	9.7	11	6.9	6.3	<0.60	NE
Cyclohexane	110-82-7	ug/m3	0.70	14	2.3	1.7	7.8	<0.52	<0.52	NE
Dibromochloromethane	124-48-1	ug/m3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	NE
Dichlorodifluoromethane	75-71-8	ug/m3	2.4	3.3	4.1	2.2	3.3	3.1	<0.75	NE
Ethyl Acetate	141-78-6	ug/m3	0.81	<0.92	3.1	2.7	<0.92	<0.92	<0.92	NE
Ethylbenzene	100-41-4	ug/m3	<0.66	1.4	1.2	2.0	1.2	1.1	<0.66	NE
Heptane	142-82-5	ug/m3	1.7	15	5.0	8.4	6.8	3.7	<0.62	NE
Hexachlorobutadiene	87-68-3	ug/m3	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	NE
Hexane	110-54-3	ug/m3	1.9	39	7.5	6.3	19	3.6	<0.54	NE
Isopropyl Alcohol	67-63-0	ug/m3	4.8	49	25	31	50	19	<0.37	NE
m/p-Xylenes	179601-23-1	ug/m3	0.97	3.5	3.1	4.7	3.0	2.8	<1.3	NE
Methyl isobutyl ketone (MIBK)	108-10-1	ug/m3	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NE
Methylene chloride	75-09-2	ug/m3	1.4	44	47	55	34	34	<0.53	60
Methylterbutyl ether	1634-04-4	ug/m3	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	NE
o-Xylene	95-47-6	ug/m3	<0.66	1.7	1.7	2.2	1.6	1.6	<0.66	NE
Propene	115-07-1	ug/m3	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	NE
Styrene	100-42-5	ug/m3	<0.65	1.3	<0.65	2.1	<0.65	<0.65	<0.65	NE
Tetrachloroethylene	127-18-4	ug/m3	<1.0	57	2.1	2.7	2.0	1.5	<1.0	100
Tetrahydrofuran	109-99-9	ug/m3	3.1	<0.45	<0.45	4.6	<0.45	<0.45	<0.45	NE
Toluene	108-88-3	ug/m3	5.9	36	8.8	16	8.0	7.3	<0.57	NE
trans-1,2-Dichloroethylene	156-60-5	ug/m3	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	NE
Trichloroethylene	79-01-6	ug/m3	<0.22	40	37	32	25	25	<0.22	5
Trichlorofluoromethane	75-69-4	ug/m3	1.8	8.3	26	4.1	62	5.0	<0.86	NE
Vinyl acetate	108-05-4	ug/m3	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	NE
VINYL BROMIDE (BROMOETHENE)	593-60-2	ug/m3	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	NE
Vinyl chloride	75-01-4	ug/m3	<0.10	0.68	<0.10	0.62	<0.10	0.31	<0.10	NE
Xylene-Total		ug/m3	0.97	5.2	4.8	6.9	4.6	4.4	<1.96	NE
1,3-Dichloropropene (Total)		ug/m3	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	NE

Bold Sample exceeds NYSDOH Guidance for Evaluating Soil Vapor Intrusion in NYS, October 2006

NOTES:
VOCs: Volatile Organic Compounds
Samples Analyzed via United States Environmental Protection Agency (USEPA) Method TO-15
Bold indicates parameter detected above reporting limit
NE: No guidance value