

APPENDIX O TABLE 1 - SURFACE SOIL INORGANIC CONSTITUENT RESULTS - ON-SITE AREA

Area	NYSDEC	South On-Site	North On-Site	Ramp				North On-Site	West On-Site			
Sample Name	Unrestricted Use	SS-01	SS-02	SS-11	SS-12	SS-12 (DUP)	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012
Aluminum	NC	15,000	6,610	13,600	10,000	7,900	10,500	14,800	6,850	9,120	9,280	6,930
Antimony	NC	1.31 UJ	1.25 UJ	1.42 UJ	1.17 UJ	1.19 UJ	1.21 UJ	1.4 UJ	1.19 UJ	1.26 UJ	1.26 UJ	1.29 UJ
Arsenic	13	4.79	5.52	7.41	2.72	1.65	4.31	12.6	3.10	6.77	8.33	7.42
Barium	350	138 J	24.4 J	201 J	158 J	100 J	146 J	399 J	54.5 J	80.6 J	72.4 J	56.4 J
Beryllium	7.2	1.81	0.200	1.32	0.190	0.140 U	0.900	0.080 J	0.970	0.740	1.33	0.270
Cadmium	2.5	1.53 J	0.400 J	2.78 J	4.73 J	6.15 J	2.83 J	22 J	0.920 J	0.690 J	0.960 J	0.650 J
Calcium	NC	78,500 J	3,420 J	118,000 J	80,100 J	81,500 J	74,900 J	37,600 J	114,000 J	46,900 J	85,400 J	38,400 J
Chromium	30	26.9 J	8.32 J	26.1 J	513 J	506 J	49.6 J	60.5 J	10.4 J	10.2 J	12.4 J	10.8 J
Cobalt	NC	4.68 J	4.52 J	5.55 J	6.3 J	6.11 J	6.31 J	14.5 J	2.72 J	7.65 J	3.91 J	7.7 J
Copper	50	25.2 J	13.2 J	80.4 J	63 J	35.5 J	51 J	406 J	15.3 J	20.3 J	27.5 J	20 J
Cyanide, Total	27	0.151 J	0.298 U	0.658	0.060 J	0.139 J	0.099 J	0.091 J	0.064 J	0.305 U	0.067 J	0.043 J
Iron	NC	25,600 J	14,700 J	40,200 J	69,800 J	80,100 J	45,500 J	185,000 J	12,700 J	21,400 J	15,000 J	20,900 J
Lead	63	88.7 J	28.5 J	401 J	169 J	168 J	146 J	2,330 J	52.7 J	58.6 J	88.9 J	66.4 J
Magnesium	NC	9,250 J	1,750 J	9,580 J	16,300 J	12,600 J	6,760 J	4,620 J	8,990 J	6,010 J	8,920 J	5,340 J
Manganese	1,600	1,610 J	163 J	993 J	4,190 J	3,080 J	1,430 J	1,180 J	628 J	538 J	625 J	355 J
Mercury	0.18	0.046 J	0.075 J	0.326 J	0.041 J	0.031 J	0.048 J	0.261 J	0.030 J	0.078 J	0.036 J	0.070 J
Nickel	30	17.2 J	14.6 J	28.3 J	40.8 J	40.3 J	42.3 J	80.6 J	11.8 J	21.2 J	15.4 J	23.7 J
Potassium	NC	1,190 J	372 J	1,090 J	687 J	681 J	862 J	1,670 J	732 J	723 J	815 J	815 J
Selenium	3.9	5.25	2.21	6.38	13.3	15.2	6.93	14.8	2.21	3.42	2.81	3.04
Silver	2	0.200 J	0.250 UJ	0.710 J	0.230 UJ	0.720 J	0.240 UJ	0.280 UJ	0.240 UJ	0.250 UJ	0.250 UJ	0.260 UJ
Sodium	NC	301 J	385 J	401 J	191 J	118 J	124 J	1,010 J	245 J	228 J	315 J	1,570 J
Thallium	NC	3.3 J	1.15 J	3.94 J	14.8 J	19.6 J	4.76 J	12.8 J	1.06 J	1.78 J	0.860 J	1.54 J
Vanadium	NC	13.6	12.2	10.2	145	118	16.4	8.35	9.96	13.6	9.99	13.2
Zinc	109	312	67.9	711	188	210	368	1,840	93.0	117	149	107

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use

Soil Cleanup Objectives. December.

NOTE: NYSDEC = New York State Department of Environmental Conservation
 SCO = Soil Cleanup Objective
 mg/kg = Milligrams per kilogram
 DUP = Duplicate field sample.
 J = Estimated concentration.
 U = Not detected; the associated value is the detection limit.
 NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000 series and total cyanide by 9010.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the indicated SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 2 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - ON-SITE AREA

Area	NYSDEC	North On-Site				West On-Site		Upgradient	
Sample Name	Unrestricted Use	MW-02A(0-1')	MW-02A(2-3')	MW-02A(6-7')	MW-02A(8-10')	MW-03A(0-2')	MW-03A(4-6')	MW-04(0-2')	MW-04(2-4')
Sample Date	SCOs ^(a) (mg/kg)	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/31/2012	10/31/2012	11/2/2012	11/2/2012
Aluminum	NC	12,000	14,000	12,000	12,000	6,400	7,100	3,700	8,100
Antimony	NC	2.3 UJ	2.4 UJ	2.4 UJ	2.4 UJ	4.5 UJ	2.7 UJ	2.9 UJ	2.6 UJ
Arsenic	13	24	28	13	14	4.5 U	9.5	15	6.0
Barium	350	430	900	99	76	70	50	92	68
Beryllium	7.2	0.700 U	0.730 U	0.720 U	0.710 U	0.890	0.800 U	0.880 U	0.780 U
Cadmium	2.5	6.5	6.6	0.720 U	0.710 U	0.720	0.800 U	1.1	0.780 U
Calcium	NC	49,000 J	38,000 J	23,000 J	23,000 J	99,000 J	2,700 J	10,000 J	2,600 J
Chromium	30	67	130	19	18	52	12	9.7 J	12 J
Cobalt	NC	16 J	35 J	16 J	13 J	3 J	10 J	3.7	6.5
Copper	50	360	650	33	30	45	26	28 J	21 J
Cyanide, Total	27	NA	66	NA	NA	NA	NA	NA	0.310 UJ
Iron	NC	110,000	230,000	32,000	31,000	21,000	24,000	14,000 J	17,000 J
Lead	63	2,300 J	1,500 J	19 J	16 J	76 J	9.8 J	130 J	9.7 J
Magnesium	NC	5,900 J	4,900 J	11,000 J	11,000 J	9,100 J	2,900 J	2,800 J	2,200 J
Manganese	1,600	1,300 J	1,600 J	700 J	450 J	1000 J	470 J	140 J	270 J
Mercury	0.18	0.27	1.0	0.100 U	0.099 U	0.095 U	0.110 U	0.120 U	0.110 U
Nickel	30	85	130	37	32	11	21	11 J	17 J
Potassium	NC	1,300	950	1,900	1,800	570 U	670 U	740 U	650 U
Selenium	3.9	2.1 U	2.2 U	2.2 U	2.1 U	2 U	2.4 U	2.6 U	2.3 U
Silver	2	26	1.8 U	1.8 U	1.8 U	3.4 U	2 U	5.1 J	3.1 J
Sodium	NC	610	710	300 U	300 U	690	2,400	370 U	340
Thallium	NC	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.6 U	1.8 U	1.6 U
Vanadium	NC	28	29	24	24	19	16	15 U	18
Zinc	109	1,900 J	2,900 J	82 J	77 J	170 J	62 J	170	54

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup

Objectives. December.

NOTE: NYSDEC = New York State Department of Environmental Conservation
 SCO = Soil Cleanup Objective
 mg/kg = Milligrams per kilogram
 DUP = Duplicate field sample.
 NA = Not analyzed.
 D = Result obtained from a diluted sample analysis.
 J = Estimated concentration.
 N = The constituent is tentatively identified.
 U = Not detected; the associated value is the detection limit.
 NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000 series and total cyanide by 9010.

Data Validation completed by Data Validation Services.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

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Area	NYSDEC	Upgradient	West On-Site				North On-Site		
Sample Name	Unrestricted Use	MW-04(4-6')	MW-06(0-2')	MW-06(0-2') (DUP)	MW-06(2-4')	MW-06(4-6')	MW-07(0-2')	MW-07(2-4')	MW-07(2-4') (DUP)
Sample Date	SCOs ^(a) (mg/kg)	11/2/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	11/5/2012	11/5/2012	11/5/2012
Aluminum	NC	12,000	10,000	10,000	15,000	15,000	13,000	11,000	8,300
Antimony	NC	2.5 UJ	2.4 UJ	2.4 UJ	2.5 UJ	2.5 UJ	3.1 J	5.6 J	2.4 UJ
Arsenic	13	12	10	6.1	14	10	15	14	12
Barium	350	83	87	78	110	110	480	1,200 J	390 J
Beryllium	7.2	0.740 U	0.720 U	1.1	0.740 U	0.740 U	0.730 U	0.830 U	0.730 U
Cadmium	2.5	0.740 U	1.4	0.830	0.740 U	0.740 U	8.5	3.1 J	1.4 J
Calcium	NC	24,000 J	22,000 J	50,000 J	2,000 J	5,000 J	36,000 J	12,000 J	16,000 J
Chromium	30	19 J	20	15	22	22	53 J	46 J	73 J
Cobalt	NC	17	9.7 J	4.9 J	16 J	16 J	14	9.7	12
Copper	50	33 J	37	25	31	32	240 J	190 J	250 J
Cyanide, Total	27	NA	150 J	8.5 J	NA	NA	NA	170 J	90 J
Iron	NC	28,000 J	26,000	16,000	35,000	32,000	77,000 J	53,000 J	49,000 J
Lead	63	19 J	200 J	86 J	18 J	16 J	750 J	660 J	820 J
Magnesium	NC	11,000 J	7,700 J	8,700 J	4,900 J	7,000 J	6,800 J	2,000 J	3,800 J
Manganese	1,600	860 J	680 J	510 J	580 J	700 J	950 J	360 J	430 J
Mercury	0.18	0.100 U	0.100 U	0.099 U	0.100 U	0.100 U	0.24	0.31	0.23
Nickel	30	37 J	25	14	37	39	65 J	32 J	40 J
Potassium	NC	1,600 J	1,300	900	870	1,000	1,800 J	1,000 J	1,200 J
Selenium	3.9	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	2.2 U	2.5 U	2.2 U
Silver	2	4.6 J	1.8 U	1.8 U	1.9 U	1.9 U	6.8 J	6.3 J	1.8 UJ
Sodium	NC	310 U	910	840	2,600	2,300	660	410	430
Thallium	NC	1.5 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U	1.7 U	1.5 U
Vanadium	NC	26	23	20	29	26	27	30	18
Zinc	109	78	220 J	150 J	88 J	87 J	1,300	1,300 J	760 J

APPENDIX O TABLE 2 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - ON-SITE AREA

Area	NYSDEC	North On-Site		Ramp					
Sample Name	Unrestricted Use	MW-07(4-6')	MW-07(6-8')	SB-11(0-2')	SB-11(2-4')	SB-11(4-6')	SB-11(4-6') (DUP)	SB-11(6-8')	SB-11(8-10')
Sample Date	SCOs ^(a) (mg/kg)	11/5/2012	11/5/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012
Aluminum	NC	9,100	12,000	15,100 J	11,900 J	12,800 J	12,400 J	13,400 J	13,900 J
Antimony	NC	2.6 UJ	2.4 UJ	1.21 UJ	1.21 UJ	1.31 UJ	1.26 UJ	1.26 UJ	1.26 UJ
Arsenic	13	15	11	8.85 J	7.54 J	8.49 J	5.23 J	6.1 J	8.27 J
Barium	350	320	93	96.4	333	109	120	195	120
Beryllium	7.2	0.780 U	0.720 U	0.390	0.380	0.150 JN	0.350	0.350	0.350
Cadmium	2.5	1.5	0.720 U	0.780	2.57	0.760	0.650	1.97	1.13
Calcium	NC	17,000 J	24,000 J	47,500	36,200	5,420 J	46,500 J	58,700	8,900
Chromium	30	28 J	18 J	17.9 J	18 J	17.8 J	15 J	63.2 J	18.5 J
Cobalt	NC	10	12	14.4	11.1	13.5	11.4	10.2	14.6
Copper	50	110 J	30 J	16.9 J	58.3 J	64 J	20.1 J	38.4 J	24.7 J
Cyanide, Total	27	NA	NA	NA	NA	0.152 J	0.096 J	NA	NA
Iron	NC	44,000 J	30,000 J	35,700	48,400	43,200	28,300	51,200	37,600
Lead	63	440 J	15 J	26.7 J	630 J	246 J	70.8 J	266 J	901 J
Magnesium	NC	3,900 J	11,000 J	11,900 J	6,700 J	2,810 J	12,000 J	9,500 J	4,980 J
Manganese	1,600	360 J	470 J	313 J	462 J	529 J	352 J	1,440 J	393 J
Mercury	0.18	0.27	0.100 U	0.041	0.142	0.067 J	0.034 J	0.102	0.098
Nickel	30	32 J	31 J	38.4 J	38.2 J	30.7 J	31.1 J	34.6 J	41.1 J
Potassium	NC	1,500 J	2,000 J	4,270 J	2,070 J	1,700 J	3,220 J	3,120 J	2,680 J
Selenium	3.9	2.3 U	2.2 U	0.910 J	1.71 J	1.13 J	0.910 J	2.83 J	1.01 J
Silver	2	1.9 U	1.8 U	1.47 J	2.41 J	1.55 J	1.12 J	2.37 J	1.7 J
Sodium	NC	330	300 U	1,050 J	1,130 J	466 J	954 J	822 J	559 J
Thallium	NC	1.6 U	1.4 U	0.140 J	0.940 J	1.25	1.01 U	1.36	0.800 J
Vanadium	NC	25	25	29	21.4	25.9	24	37.9	25
Zinc	109	530	74	74.7	666	137	126	371	153

APPENDIX O TABLE 2 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - ON-SITE AREA

Area	NYSDEC	Ramp							
Sample Name	Unrestricted Use	SB-11(10-12')	SB-11(12-14')	SB-11(14-16')	SB-11(16-18')	SB-12A(0-2')	SB-12A(0-2') (DUP)	SB-12(8-10')	SB-12(12-14')
Sample Date	SCOs ^(a) (mg/kg)	11/6/2012	11/6/2012	11/6/2012	11/6/2012	10/26/2012	10/26/2012	10/25/2012	10/25/2012
Aluminum	NC	12,300 J	14,300 J	12,800 J	13,900 J	8,610 J	6,580 J	9,110 J	11,100 J
Antimony	NC	1.26 UJ	1.36 UJ	1.22 UJ	1.22 UJ	1.22 UJ	1.22 UJ	7.23 J	1.35 UJ
Arsenic	13	11.3 J	14.4 J	7.23 J	9.07 J	6.57 J	5.36 J	8.13 J	10.5 J
Barium	350	288	588	74.6	72.6	73.5 J	81.9 J	173 J	101 J
Beryllium	7.2	0.140 JN	0.170	0.260	0.310	0.290 J	0.150 UJ	0.300 J	0.350 J
Cadmium	2.5	1.55	3.73	0.470	0.680	0.660 J	2.9 J	1.95	1.68
Calcium	NC	18,300	23,300	19,400	22,500	34,000 J	43,700 J	14,600 J	12,100 J
Chromium	30	26 J	36.1 J	16.8 J	18.1 J	49.1 J	148 J	17 J	16.9 J
Cobalt	NC	11.7	12.1	17.8	12.1	7.14	6.11	11.4	15.9
Copper	50	107 J	139 J	23.6 J	21.7 J	20.7 J	48.8 J	63.5 J	30.2 J
Cyanide, Total	27	NA	NA	NA	NA	0.342	0.471	NA	NA
Iron	NC	41,100	53,100	32,500	35,500	27,000 J	35,000 J	35,300	38,400
Lead	63	421 J	4,120 J	25.3 J	23.6 J	66.7 J	191 J	464	51.9
Magnesium	NC	3,780 J	6,320 J	9,370 J	10,300 J	5,940 J	7,150 J	5,270 J	8,140 J
Manganese	1,600	425 J	561 J	412 J	236 J	1,020 J	2,080 J	419 J	418 J
Mercury	0.18	0.144	0.031	0.018	0.018	0.130	0.112	0.124	0.016
Nickel	30	38.6 J	41.3 J	47.8 J	39 J	22.3 J	27.3 J	35.8	44.2
Potassium	NC	2,330 J	3,920 J	3,550 J	3,740 J	858 J	606 J	1,220 J	1,410 J
Selenium	3.9	0.930 J	1.5 J	0.660 J	0.740 J	1.16 J	1.84 J	0.780	0.860
Silver	2	1.96 J	3.35 J	1.37 J	1.41 J	0.870 J	0.740 J	1.65	1.59
Sodium	NC	941 J	1,870 J	729 J	588 J	243 J	114 J	392 J	1,240 J
Thallium	NC	1.03	1.11	0.750 J	0.550 J	0.840 J	2.92 J	1.39	1.46
Vanadium	NC	22.5	23.7	23.7	25.9	26.5 J	50.3 J	17.1 J	20.1 J
Zinc	109	465	4,040 D	79.7	81.2	111 J	293 J	364	112

APPENDIX O TABLE 2 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - ON-SITE AREA

Area	NYSDEC Unrestricted Use	Ramp							
		SB-12(14-16')	SB-12(16-18')	SB-12(18-20')	SB-13(0-4')	SB-13(4-8')	SB-13(8-10')	SB-13(10-12')	SB-13(12-14')
		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Sample Name	SCOs ^(a) (mg/kg)								
Sample Date									
Aluminum	NC	10,900 J	8,770 J	9,490 J	5,980 J	15,200 J	8,720 J	8,580 J	9,550 J
Antimony	NC	1.25 UJ	1.3 UJ	1.3 UJ	1.19 UJ	1.19 UJ	1.19 UJ	1.11 UJ	1.25 UJ
Arsenic	13	11.5 J	9.48 J	10.4 J	4.48	19.7	9.06	21.5	10.2
Barium	350	73 J	145 J	113 J	53.3 J	584 J	106 J	397 J	88.3 J
Beryllium	7.2	0.340 J	0.400 J	0.300 J	0.630	0.210	0.280	0.110 J	0.340
Cadmium	2.5	1.45	4.42	1.73	0.820	42.7	1.33	17.1	1.62
Calcium	NC	19,700 J	57,400 J	18,100 J	53,300 J	41,000 J	23,600 J	26,500 J	37,900 J
Chromium	30	15.2 J	134 J	16.7 J	8.58 J	89.9 J	13.1 J	50.4 J	13.6 J
Cobalt	NC	16.6	9.95	15.3	5.62	36.9	13.9	19.9	17.6
Copper	50	23.8 J	67.2 J	27.8 J	13.8 J	309 J	32.2 J	684 J	28.6 J
Cyanide, Total	27	NA	NA	NA	0.285 J	NA	0.197 J	NA	NA
Iron	NC	38,700	45,300	36,600	14,800	161,000 D	36,000	102,000	35,900
Lead	63	25.4	810	112	47.8	5,470	43.9	2,040	35.5
Magnesium	NC	9,010 J	7,660 J	7,410 J	8,050 J	3,630 J	7,340 J	3,100 J	9,560 J
Manganese	1,600	359 J	1,380 J	534 J	482 J	1,170 J	334 J	776 J	403 J
Mercury	0.18	0.151	0.131	0.023	0.066	0.096	0.027	0.032	0.021
Nickel	30	43.9	36.3	43.4	16.4	147	41.8	342	50.2
Potassium	NC	1,660 J	1,270 J	1,070 J	562 J	1,740 J	1,360 J	1,420 J	1,180 J
Selenium	3.9	0.880	1.86	0.800	0.580	0.470 U	1.11	0.440 U	0.850
Silver	2	1.75	2.39	1.63	0.540	0.240 U	2.09	1.58	1.65
Sodium	NC	1,200 J	816 J	1,110 J	171 J	1,050 J	118 J	549 J	549 J
Thallium	NC	1.45	2.34	1.54	0.540 J	8.16	1.44	5.21	1.32
Vanadium	NC	19 J	39.5 J	16.5 J	8.66	5.95	16.3	6.89	17.2
Zinc	109	81.8	583	132	139	1,760	149	1,990	142

APPENDIX O TABLE 2 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - ON-SITE AREA

Area	NYSDEC	Ramp			North On-Site				
Sample Name	Unrestricted Use	SB-13(16-18')	SB-13(20-22')	SB-13(23-25')	SB-14(0-2')	SB-14(0-2') (DUP)	SB-14(2-4')	SB-14(4-6')	SB-14(6-8')
Sample Date	SCOs ^(a) (mg/kg)	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Aluminum	NC	7,960 J	10,300 J	9,550 J	6,270 J	11,400 J	5,610 J	10,800 J	11,100 J
Antimony	NC	1.23 UJ	18.7 J	1.3 UJ	1.28 UJ	1.33 UJ	1.28 UJ	1.3 UJ	1.3 UJ
Arsenic	13	11.8	51.5	6.23	7.65 J	11.2	8.11 J	8.98 J	4.75 J
Barium	350	281 J	1,500 J	76.3 J	50.7 J	91.7 J	29.7 J	72.3 J	50.9 J
Beryllium	7.2	0.280	0.510	0.270	0.200 J	0.470	0.130 J	0.380 J	0.340 J
Cadmium	2.5	3.98	19.5	0.970	0.740 J	1.43 J	0.840	1.29	1.03
Calcium	NC	19,100 J	46,600 J	22,100 J	1,570 J	2,570 J	28,000 J	23,800 J	25,900 J
Chromium	30	19.7 J	67.1 J	13.8 J	9.1 J	17.5 J	7.97 J	15.4 J	15.9 J
Cobalt	NC	13	12.2	12.2	14.4	19.1	7.99	12.3	12.6
Copper	50	178 J	1,510 J	21 J	25.2 J	25.8 J	20.7 J	22.4 J	27.1 J
Cyanide, Total	27	NA	0.711	NA	0.292 U	0.307 U	NA	NA	NA
Iron	NC	51,900	112,000	33,900	28,900	42,900	25,600	35,100	33,500
Lead	63	789	6,820	20.3	34.1	31.3	42.3	22.9	19.8
Magnesium	NC	4,620 J	2,260 J	9,370 J	2,030 J	4,450 J	9,170 J	8,510 J	11,000 J
Manganese	1,600	381 J	643 J	323 J	390 J	471 J	213 J	199 J	232 J
Mercury	0.18	0.607 D	0.090	0.011 J	0.026	0.034	0.013	0.013	0.015
Nickel	30	50.7	59	38.3	33.7	52.2	24.8	40.9	41.9
Potassium	NC	1,030 J	2,260 J	1,410 J	711 J	994 J	484 J	1,490 J	1,870 J
Selenium	3.9	0.730	0.530 U	0.840	1.02	1.14	0.380 JN	0.590	2.43
Silver	2	2.47	6.21	1.47	1.64	2.06	1.05	1.47	1.48
Sodium	NC	663 J	2,810 J	631 J	121 J	418 J	147 J	172 J	115 J
Thallium	NC	2.18	4.97	1.36	1.11	1.63	0.910 J	1.32	1.21
Vanadium	NC	14	16	15.9	10.9 J	20.3 J	10.9 J	18.4 J	19.2 J
Zinc	109	794	4,910 D	77.9	601 J	91.4 J	255	85.3	84.3

APPENDIX O TABLE 2 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - ON-SITE AREA

Area	NYSDEC	North On-Site							West On-Site
Sample Name	Unrestricted Use	SB-14(8-10')	SB-14(10-12')	SB-15(0-2')	SB-15(2-4')	SB-15(4-6')	SB-15(6-8')	SB-15(8-10')	SB-16(0-2')
Sample Date	SCOs ^(a) (mg/kg)	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Aluminum	NC	11,100 J	10,700 J	8,960 J	10,700 J	10,300 J	9,290 J	9,010 J	7,030 J
Antimony	NC	1.39 UJ	1.27 UJ	1.37 UJ	1.32 UJ	1.3 UJ	1.21 UJ	1.2 UJ	1.19 UJ
Arsenic	13	7.5 J	7.83 J	6.43	12.4	9.95	10.8	5.6	3.03 J
Barium	350	80.5 J	73 J	91.2 J	99.8 J	76.5 J	72.9 J	50.2 J	66.1 J
Beryllium	7.2	0.350 J	0.360 J	0.360	0.390	0.320	0.280	0.310	1.38 J
Cadmium	2.5	1.2	1.34	2.16	1.32	1.27	1.45	0.970	0.900
Calcium	NC	23,600 J	20,300 J	6,670 J	2,750 J	19,900 J	19,900 J	20,900 J	107,000 J
Chromium	30	16.2 J	15.9 J	15.7 J	15.8 J	14.5 J	13.4 J	13.1 J	5.87 J
Cobalt	NC	16.1	16.1	7.85	19	16.3	17.4	10.1	2.68
Copper	50	23 J	23.2 J	26.6 J	24.4 J	22.7 J	21.1 J	21 J	9.22 J
Cyanide, Total	27	NA	NA	0.545	NA	NA	NA	NA	NA
Iron	NC	37,900	36,300	26,700	41,900	35,500	35,600	31,100	10,500
Lead	63	23.3	23.3	99.7	27.9	21.8	23.1	21.2	54.7
Magnesium	NC	10,700 J	10,200 J	3,530 J	4,360 J	8,730 J	8,810 J	8,980 J	11,200 J
Manganese	1,600	385 J	381 J	268 J	639 J	421 J	355 J	229 J	569 J
Mercury	0.18	0.014	0.013	0.704 D	0.016	0.013	0.014	0.017	0.061
Nickel	30	44.8	44.3	30.3	48.2	44.6	45.2	35.8	9.84
Potassium	NC	2,140 J	1,910 J	821 J	977 J	1,300 J	1,250 J	1,260 J	741 J
Selenium	3.9	0.890	0.810	1.08	1.2	0.750	0.730	0.830	1.03
Silver	2	1.7	1.42	1.5	2.03	1.51	1.58	1.35	0.430
Sodium	NC	106 J	51.9 J	222 J	330 J	344 J	289 J	166 J	330 J
Thallium	NC	1.42	1.41	0.990 J	1.64	1.45	1.48	1.18	0.200 J
Vanadium	NC	19.2 J	18.8 J	16.5	19.8	17.9	16.2	15.1	8.44 J
Zinc	109	97.2	92.1	467	86.3	82.7	77.8	70.9	96.9

APPENDIX O TABLE 2 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - ON-SITE AREA

Area	NYSDEC Unrestricted Use	West On-Site							
		SB-16(2-4')	SB-16(4-6')	SB-16(6-8')	SB-16(8-10')	SB-16(10-12')	SB-16(12-14')	SB-16(14-16')	SB-17(0-2')
		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Sample Name	SCOs ^(a) (mg/kg)								
Sample Date									
Aluminum	NC	13,500 J	11,500 J	11,000 J	10,000 J	8,400 J	9,680 J	5,140 J	8,990 J
Antimony	NC	1.2 UJ	1.32 UJ	1.31 UJ	1.33 UJ	1.19 UJ	1.21 UJ	1.22 UJ	1.25 UJ
Arsenic	13	3.76 J	9.3 J	24.2 J	5.21	12.6	8.46	6.03	7.1
Barium	350	262 J	92.1 J	94.6 J	66.4 J	56.2 J	72.7 J	21.3 J	71.7 J
Beryllium	7.2	2.24 J	0.470 J	0.310 J	0.330	0.270	0.300	0.130 J	0.600
Cadmium	2.5	2.39	1.14	1.78	1	1.14	1.37	0.690	2.25
Calcium	NC	57,300 J	5,190 J	24,400 J	24,400 J	20,400 J	26,200 J	30,300 J	19,800 J
Chromium	30	8.39 J	16.6 J	15.6 J	14.3 J	12.2 J	15.2 J	6.98 J	18.7 J
Cobalt	NC	3.62	14.7	32.9	11.1	12.3	16.4	8.21	8.98
Copper	50	6.59 J	23.3 J	25.2 J	24 J	19.6 J	23.2 J	16.5 J	25.6 J
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	15,200	37,600	39,400	31,500	36,600	36,800	20,500	37,400
Lead	63	96.4	25	26.7	20.7	23	23.5	12.8	133
Magnesium	NC	8,460 J	4,600 J	9,550 J	10,200 J	8,640 J	10,800 J	11,000 J	4,780 J
Manganese	1,600	1,490 J	370 J	821 J	207 J	236 J	379 J	278 J	561 J
Mercury	0.18	0.012	0.019	0.013	0.014	0.014	0.014	0.013	0.025
Nickel	30	13.3	42.8	73.5	35.5	38.6	45.6	22.6	31.8
Potassium	NC	1,290 J	963 J	1,740 J	1,380 J	1,240 J	1,510 J	627 J	837 J
Selenium	3.9	2.79	0.870	1.16	0.610	0.790	1.02	0.360 J	1.32
Silver	2	1.18	1.72	1.79	1.37	1.63	1.68	0.720	1.48
Sodium	NC	436 J	28.5 J	467 J	378 J	221 J	105 J	90.4 J	1,480 J
Thallium	NC	3.09	1.32	2.23	1.07	1.43	1.49	0.780 J	1.7
Vanadium	NC	5.61 J	19.2 J	19.1 J	16.7	14.2	16.5	9.42	15.3
Zinc	109	263	84.7	95.9	74.8	72.7	85.7	45.7	245

APPENDIX O TABLE 2 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - ON-SITE AREA

Area	NYSDEC	West On-Site							
Sample Name	Unrestricted Use	SB-17(2-4')	SB-17(4-6')	SB-17(6-8')	SB-17(8-10')	SB-17(10-12')	SB-18(0-2')	SB-18(0-2') (DUP)	SB-18(2-4')
Sample Date	SCOs ^(a) (mg/kg)	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/26/2012	10/26/2012	10/26/2012
Aluminum	NC	7,080 J	11,700 J	10,600 J	10,300 J	9,770 J	6,740 J	4,290 J	13,600 J
Antimony	NC	1.31 UJ	1.31 UJ	1.23 UJ	1.41 UJ	1.31 UJ	1.26 UJ	1.51 UJ	1.27 UJ
Arsenic	13	2.97 J	11.7 J	9.81 J	6.59 J	7.93 J	3.39 J	41.1 J	1.51 J
Barium	350	52.6 J	98.7 J	87.8 J	87.3 J	56.8 J	65.9 J	50.4 J	98.5 J
Beryllium	7.2	0.250 J	0.450 J	0.340 J	0.380 J	0.340 J	1.54 J	0.440 J	3.04 J
Cadmium	2.5	0.170	1.65	1.63	0.790	1.28	1.33 J	2.17 J	0.930 J
Calcium	NC	1,590 J	2,740 J	22,600 J	26,200 J	21,300 J	128,000 J	122,000 J	78,500 J
Chromium	30	6.85 J	16.9 J	14.8 J	15.3 J	13.8 J	16.9 J	21.6 J	6.23 J
Cobalt	NC	1.96	24.6	20.4	24.9	14.2	2.1 J	3.6 J	1.44
Copper	50	4.47 J	26.7 J	23.7 J	21.1 J	22.4 J	23.1 J	45 J	11 J
Cyanide, Total	27	0.136 J	NA	NA	NA	NA	0.273 J	0.175 J	NA
Iron	NC	11,600	43,100	35,800	24,900	33,500	17,100 J	13,500 J	7,290 J
Lead	63	11.7	31.3	26	27.6	22.5	81.1 J	84.2	41.5
Magnesium	NC	656 J	4,810 J	8,990 J	9,560 J	9,050 J	12,000 J	7,900 J	16,500 J
Manganese	1,600	69.8 J	455 J	665 J	240 J	212 J	615 J	417 J	854 J
Mercury	0.18	0.052	0.015	0.014	0.014	0.015	0.079 J	0.223 J	0.011 J
Nickel	30	5.17	55	53.7	50	39.4	11.9 J	12.7 J	5.59 J
Potassium	NC	485 J	988 J	1,420 J	1,600 J	1,610 J	574 J	474 J	907 J
Selenium	3.9	0.560	1.21	0.890	0.560 JN	0.550	1.53 J	0.510 J	1.81 J
Silver	2	0.300	2.06	1.5	1.02	1.29	0.880 J	0.290 J	0.320 J
Sodium	NC	1,340 J	1,760 J	1,130 J	1,060 J	547 J	587 J	406 J	1,060 J
Thallium	NC	0.410 J	1.55	1.68	1.05 J	1.21	1.01 U	0.360 J	0.140 J
Vanadium	NC	9.15 J	21 J	18.3 J	17 J	17.1 J	10.9 J	9.41 J	5.72 J
Zinc	109	20.8	89.8	80	83.6	74.8	183 J	118 J	223 J

APPENDIX O TABLE 2 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - ON-SITE AREA

Area	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	West On-Site	
Sample Name		SB-18(8-10')	SB-18(10-12')
Sample Date		10/26/2012	10/26/2012
Aluminum	NC	9,470 J	8,920 J
Antimony	NC	1.26 UJ	1.22 UJ
Arsenic	13	11.7 J	7.08 J
Barium	350	68 J	65.5 J
Beryllium	7.2	0.150 J	0.140 J
Cadmium	2.5	0.970 J	1.24 J
Calcium	NC	22,600 J	24,200 J
Chromium	30	13.9 J	13.3 J
Cobalt	NC	11.7	14.4
Copper	50	25.8 J	26.8 J
Cyanide, Total	27	NA	NA
Iron	NC	29,900 J	30,300 J
Lead	63	20.5	22.1
Magnesium	NC	9,780 J	10,400 J
Manganese	1,600	233 J	361 J
Mercury	0.18	0.017	0.016
Nickel	30	34.5 J	38.7 J
Potassium	NC	1,200 J	1,280 J
Selenium	3.9	0.280 J	0.370 J
Silver	2	0.870 J	0.760 J
Sodium	NC	599 J	177 J
Thallium	NC	1.09	1.26
Vanadium	NC	16.8 J	16.5 J
Zinc	109	71.6 J	67 J

APPENDIX O, TABLE 2A - SUBSURFACE SOIL TOXICITY CHARACTERISTICS LEACHING PROCEDURE INORGANIC CONSTITUENT RESULTS

Area	Regulatory Level ^(a) (mg/L)	Ramp			
Sample Name		SB-WC(0-2')	SB-WC(2-4')	SB-WC(4-6')	SB-WC(6-8')
Sample Date		4/15/2013	4/15/2013	4/15/2013	4/15/2013
Arsenic, TCLP	5.0	0.2 U	0.2 U	0.2 U	0.2 U
Barium, TCLP	100.0	1.19	1.06	0.814 J	1.57
Cadmium, TCLP	1.0	0.194	0.06 U	0.06 U	0.06 U
Chromium, TCLP	5.0	0.1 U	0.1 U	0.1 U	0.1 U
Lead, TCLP	5.0	0.566	0.12 U	0.12 U	0.406
Mercury, TCLP	0.2	0.002 U	0.002 U	0.002 U	0.002 U
Selenium, TCLP	1.0	0.2 U	0.2 U	0.2 U	0.2 U
Silver, TCLP	5.0	0.1 U	0.1 U	0.1 U	0.1 U
(a) 6 NYCRR Part 371.3e Table 1 NOTE: NYSDEC = New York State Department of Environmental Conservation mg/L = Milligrams per liter J = Estimated concentration. U = Not detected; the associated value is the detection limit. TCLP = Toxicity characteristic leaching procedure. Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000 series. TCLP preparation by EPA Method 1311. Concentrations reported in mg/L, equivalent to parts per million (ppm).					

APPENDIX O, TABLE 3 - SURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA

Area	NYSDEC	South On-Site	North On-Site	Ramp	Ramp	Ramp	Ramp	North On-Site	West On-Site
Location	Unrestricted Use	SS-01	SS-02	SS-11	SS-12	SS-12 (DUP)	SS-13	SS-14	SS-15
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012
Acetone	0.05	0.030 U	0.030 U	0.032 U	0.029 U	0.029 U	0.030 U	0.032 U	0.029 U
Benzene	0.06	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Bromochloromethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Bromodichloromethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Bromoform	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Bromomethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Butanone, 2-	0.12	0.030 U	0.030 U	0.032 U	0.029 U	0.029 U	0.030 U	0.032 U	0.029 U
Carbon disulfide	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Carbon tetrachloride	0.76	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Chlorobenzene	1.1	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Chlorodibromomethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Chloroethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Chloroform	0.37	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Chloromethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Cyclohexane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Dibromo-3-chloropropane, 1,2-	NC	0.006 UJ	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U	0.007 U	0.006 UJ
Dibromoethane, 1,2-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Dichlorobenzene, 1,2-	1.1	0.006 UJ	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U	0.007 U	0.006 UJ
Dichlorobenzene, 1,3-	2.4	0.006 UJ	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U	0.007 U	0.006 UJ
Dichlorobenzene, 1,4-	1.8	0.006 UJ	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U	0.007 U	0.006 UJ
Dichlorodifluoromethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Dichloroethane, 1,1-	0.27	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Dichloroethane, 1,2-	0.02	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Dichloroethene, 1,1-	0.33	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Dichloroethene, cis-1,2-	0.25	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Dichloroethene, trans-1,2-	0.19	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use

Soil Cleanup Objectives. December.

NOTE:

NYSDEC = New York State Department of Environmental Conservation
 SCO = Soil Cleanup Objective
 mg/kg = Milligrams per kilogram
 DUP = Duplicate field sample.
 J = Estimated concentration.
 U = Not detected; the associated value is the detection limit.
 NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260.

Data Validation completed by Data Validation Services.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O, TABLE 3 - SURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA

Area	NYSDEC	West On-Site	West On-Site	West On-Site
Location	Unrestricted Use	SS-16	SS-17	SS-18
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012
Acetone	0.05	0.030 U	0.030 U	0.024 J
Benzene	0.06	0.006 U	0.006 U	0.006 U
Bromochloromethane	NC	0.006 U	0.006 U	0.006 U
Bromodichloromethane	NC	0.006 U	0.006 U	0.006 U
Bromoform	NC	0.006 U	0.006 U	0.006 U
Bromomethane	NC	0.006 U	0.006 U	0.006 U
Butanone, 2-	0.12	0.030 U	0.030 U	0.031 U
Carbon disulfide	NC	0.006 U	0.006 U	0.006 U
Carbon tetrachloride	0.76	0.006 U	0.006 U	0.006 U
Chlorobenzene	1.1	0.006 U	0.006 U	0.006 U
Chlorodibromomethane	NC	0.006 U	0.006 U	0.006 U
Chloroethane	NC	0.006 U	0.006 U	0.006 U
Chloroform	0.37	0.006 U	0.006 U	0.006 U
Chloromethane	NC	0.006 U	0.006 U	0.006 U
Cyclohexane	NC	0.006 U	0.006 U	0.006 U
Dibromo-3-chloropropane, 1,2-	NC	0.006 UJ	0.006 UJ	0.006 U
Dibromoethane, 1,2-	NC	0.006 U	0.006 U	0.006 U
Dichlorobenzene, 1,2-	1.1	0.006 UJ	0.006 UJ	0.006 U
Dichlorobenzene, 1,3-	2.4	0.006 UJ	0.006 UJ	0.006 U
Dichlorobenzene, 1,4-	1.8	0.006 UJ	0.006 UJ	0.006 U
Dichlorodifluoromethane	NC	0.006 U	0.006 U	0.006 U
Dichloroethane, 1,1-	0.27	0.006 U	0.006 U	0.006 U
Dichloroethane, 1,2-	0.02	0.006 U	0.006 U	0.006 U
Dichloroethene, 1,1-	0.33	0.006 U	0.006 U	0.006 U
Dichloroethene, cis-1,2-	0.25	0.006 U	0.006 U	0.006 U
Dichloroethene, trans-1,2-	0.19	0.006 U	0.006 U	0.006 U

APPENDIX O, TABLE 3 - SURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA

Area	NYSDEC	South On-Site	North On-Site	Ramp	Ramp	Ramp	Ramp	North On-Site	West On-Site
Location	Unrestricted Use	SS-01	SS-02	SS-11	SS-12	SS-12 (DUP)	SS-13	SS-14	SS-15
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012
Dichloropropane, 1,2-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Dichloropropene, cis-1,3-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Dichloropropene, trans-1,3-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Ethylbenzene	1	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Hexanone, 2-	NC	0.030 U	0.030 U	0.032 U	0.029 U	0.029 U	0.030 U	0.032 U	0.029 U
Isopropylbenzene	NC	0.006 UJ	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U	0.007 U	0.006 UJ
Methyl acetate	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Methyl cyclohexane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Methyl tert-butyl ether	0.93	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Methyl-2-pentanone, 4-	NC	0.030 U	0.030 U	0.032 U	0.029 U	0.029 U	0.030 U	0.032 U	0.029 U
Methylene chloride	0.05	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Styrene	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Tetrachloroethane, 1,1,2,2-	NC	0.006 UJ	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U	0.007 U	0.006 UJ
Tetrachloroethene	1.3	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Toluene	0.7	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Trichlorobenzene, 1,2,3-	NC	0.006 UJ	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U	0.007 U	0.006 UJ
Trichlorobenzene, 1,2,4-	NC	0.006 UJ	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U	0.007 U	0.006 UJ
Trichloroethane, 1,1,1-	0.68	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Trichloroethane, 1,1,2-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Trichloroethene	0.47	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Trichlorofluoromethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Vinyl chloride	0.02	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Xylene, o	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
Xylenes, m+p	NC	0.012 U	0.012 U	0.013 U	0.011 U	0.012 U	0.012 U	0.013 U	0.011 U

APPENDIX O, TABLE 3 - SURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA

Area	NYSDEC	West On-Site	West On-Site	West On-Site
Location	Unrestricted Use	SS-16	SS-17	SS-18
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012
Dichloropropane, 1,2-	NC	0.006 U	0.006 U	0.006 U
Dichloropropene, cis-1,3-	NC	0.006 U	0.006 U	0.006 U
Dichloropropene, trans-1,3-	NC	0.006 U	0.006 U	0.006 U
Ethylbenzene	1	0.006 U	0.006 U	0.006 U
Hexanone, 2-	NC	0.030 U	0.030 U	0.031 U
Isopropylbenzene	NC	0.006 UJ	0.006 UJ	0.006 U
Methyl acetate	NC	0.006 U	0.006 U	0.006 U
Methyl cyclohexane	NC	0.006 U	0.006 U	0.006 U
Methyl tert-butyl ether	0.93	0.006 U	0.006 U	0.006 U
Methyl-2-pentanone, 4-	NC	0.030 U	0.030 U	0.031 U
Methylene chloride	0.05	0.006 U	0.006 U	0.006 U
Styrene	NC	0.006 U	0.006 U	0.006 U
Tetrachloroethane, 1,1,2,2-	NC	0.006 UJ	0.006 UJ	0.006 U
Tetrachloroethene	1.3	0.006 U	0.006 U	0.006 U
Toluene	0.7	0.006 U	0.006 U	0.006 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NC	0.006 U	0.006 U	0.006 U
Trichlorobenzene, 1,2,3-	NC	0.006 UJ	0.006 UJ	0.006 U
Trichlorobenzene, 1,2,4-	NC	0.006 UJ	0.006 UJ	0.006 U
Trichloroethane, 1,1,1-	0.68	0.006 U	0.006 U	0.006 U
Trichloroethane, 1,1,2-	NC	0.006 U	0.006 U	0.006 U
Trichloroethene	0.47	0.006 U	0.006 U	0.006 U
Trichlorofluoromethane	NC	0.006 U	0.006 U	0.006 U
Vinyl chloride	0.02	0.006 U	0.006 U	0.006 U
Xylene, o	NC	0.006 U	0.006 U	0.006 U
Xylenes, m+p	NC	0.012 U	0.012 U	0.012 U

APPENDIX O, TABLE 4 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA

Area	NYSDEC	North On-Site	West On-Site		North On-Site		Ramp	
Location	Unrestricted Use	MW-02A(2-3')	MW-06(0-2')	MW-06(0-2') (DUP)	MW-07(2-4')	MW-07(2-4') (DUP)	SB-11(4-6')	SB-11(4-6') (DUP)
Sample Date	SCOs ^(a) (mg/kg)	10/29/2012	10/31/2012	10/31/2012	11/5/2012	11/5/2012	11/6/2012	11/6/2012
Acetone	0.05	0.012 U	0.300	0.190	0.014 UJ	0.012 U	0.110	0.120
Benzene	0.06	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.006 U	0.006 U
Bromochloromethane	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Bromodichloromethane	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Bromoform	NC	0.002 U	0.002 U	0.002 U	0.003 U	0.002 UJ	0.006 U	0.006 U
Bromomethane	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Butanone, 2-	0.12	0.002 U	0.033 J	0.002 UJ	0.003 UJ	0.002 U	0.020 J	0.025 J
Carbon disulfide	NC	0.002 U	0.003	0.002 U	0.003 UJ	0.002 U	0.002 J	0.003 J
Carbon tetrachloride	0.76	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Chlorobenzene	1.1	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Chlorodibromomethane	NC	0.002 U	0.002 U	0.002 U	0.003 U	0.002 U	0.006 U	0.006 U
Chloroethane	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Chloroform	0.37	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Chloromethane	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Cyclohexane	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Dibromo-3-chloropropane, 1,2-	NC	0.002 UJ	0.002 U	0.002 U	0.003 U	0.002 U	0.006 U	0.006 U
Dibromoethane, 1,2-	NC	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.006 U	0.006 U
Dichlorobenzene, 1,2-	1.1	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Dichlorobenzene, 1,3-	2.4	0.002 U	0.002 U	0.002 U	0.003 U	0.002 U	0.006 U	0.006 U
Dichlorobenzene, 1,4-	1.8	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Dichlorodifluoromethane	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Dichloroethane, 1,1-	0.27	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Dichloroethane, 1,2-	0.02	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Dichloroethene, 1,1-	0.33	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Dichloroethene, cis-1,2-	0.25	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Dichloroethene, trans-1,2-	0.19	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use

Soil Cleanup Objectives. December.

NOTE:

NYSDEC = New York State Department of Environmental Conservation
 SCO = Soil Cleanup Objective
 mg/kg = Milligrams per kilogram
 DUP = Duplicate field sample.
 J = Estimated concentration.
 N = The constituent is tentatively identified.
 U = Not detected; the associated value is the detection limit.
 NA = Not analyzed.
 NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the indicated SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O, TABLE 4 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Location Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Ramp					North On-Site		
		SB-12A(0-2')	SB-12A(0-2') (DUP)	SB-13(0-4')	SB-13(8-10')	SB-13(20-22')	SB-14(0-2')	SB-14(0-2') (DUP)	SB-15(0-2')
		10/26/2012	10/26/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Acetone	0.05	0.028 U	0.030 U	0.029 U	0.029 U	0.032 U	0.029 U	0.031 U	0.032 U
Benzene	0.06	0.006 U	0.006 U	0.006 U	0.006 U	0.002 J	0.006 U	0.006 U	0.006 U
Bromochloromethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Bromodichloromethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Bromoform	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Bromomethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Butanone, 2-	0.12	0.028 U	0.030 U	0.029 U	0.029 U	0.032 U	0.029 U	0.031 U	0.032 U
Carbon disulfide	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.007	0.006 U	0.006 U	0.006 U
Carbon tetrachloride	0.76	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Chlorobenzene	1.1	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Chlorodibromomethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Chloroethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Chloroform	0.37	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Chloromethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Cyclohexane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.002 J	0.006 U	0.006 U	0.006 U
Dibromo-3-chloropropane, 1,2-	NC	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Dibromoethane, 1,2-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Dichlorobenzene, 1,2-	1.1	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Dichlorobenzene, 1,3-	2.4	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Dichlorobenzene, 1,4-	1.8	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Dichlorodifluoromethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Dichloroethane, 1,1-	0.27	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Dichloroethane, 1,2-	0.02	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Dichloroethene, 1,1-	0.33	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Dichloroethene, cis-1,2-	0.25	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Dichloroethene, trans-1,2-	0.19	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U

APPENDIX O, TABLE 4 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Location Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	West On-Site		
		SB-17(2-4')	SB-18(0-2')	SB-18(0-2') (DUP)
		10/25/2012	10/26/2012	10/26/2012
Acetone	0.05	0.031 U	0.030 U	0.030 NJ
Benzene	0.06	0.006 U	0.006 U	0.007 U
Bromochloromethane	NC	0.006 U	0.006 U	0.007 U
Bromodichloromethane	NC	0.006 U	0.006 U	0.007 U
Bromoform	NC	0.006 U	0.006 U	0.007 UJ
Bromomethane	NC	0.006 U	0.006 U	0.007 U
Butanone, 2-	0.12	0.031 U	0.030 U	0.036 U
Carbon disulfide	NC	0.006 U	0.006 U	0.007 U
Carbon tetrachloride	0.76	0.006 U	0.006 U	0.007 U
Chlorobenzene	1.1	0.006 U	0.006 U	0.007 UJ
Chlorodibromomethane	NC	0.006 U	0.006 U	0.007 U
Chloroethane	NC	0.006 U	0.006 U	0.007 U
Chloroform	0.37	0.006 U	0.006 U	0.007 U
Chloromethane	NC	0.006 U	0.006 U	0.007 U
Cyclohexane	NC	0.006 U	0.006 U	0.007 U
Dibromo-3-chloropropane, 1,2-	NC	0.006 U	0.006 UJ	0.007 UJ
Dibromoethane, 1,2-	NC	0.006 U	0.006 U	0.007 U
Dichlorobenzene, 1,2-	1.1	0.006 U	0.006 UJ	0.007 UJ
Dichlorobenzene, 1,3-	2.4	0.006 U	0.006 UJ	0.007 UJ
Dichlorobenzene, 1,4-	1.8	0.006 U	0.006 UJ	0.007 UJ
Dichlorodifluoromethane	NC	0.006 U	0.006 U	0.007 U
Dichloroethane, 1,1-	0.27	0.006 U	0.006 U	0.007 U
Dichloroethane, 1,2-	0.02	0.006 U	0.006 U	0.007 U
Dichloroethene, 1,1-	0.33	0.006 U	0.006 U	0.007 U
Dichloroethene, cis-1,2-	0.25	0.006 U	0.006 U	0.007 U
Dichloroethene, trans-1,2-	0.19	0.006 U	0.006 U	0.007 U

APPENDIX O, TABLE 4 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA

Area	NYSDEC	North On-Site	West On-Site		North On-Site		Ramp	
Location	Unrestricted Use	MW-02A(2-3')	MW-06(0-2')	MW-06(0-2') (DUP)	MW-07(2-4')	MW-07(2-4') (DUP)	SB-11(4-6')	SB-11(4-6') (DUP)
Sample Date	SCOs ^(a) (mg/kg)	10/29/2012	10/31/2012	10/31/2012	11/5/2012	11/5/2012	11/6/2012	11/6/2012
Dichloropropane, 1,2-	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Dichloropropene, cis-1,3-	NC	0.002 UJ	0.002 U	0.002 U	0.003 U	0.002 U	0.006 U	0.006 U
Dichloropropene, trans-1,3-	NC	0.002 UJ	0.002 UJ	0.002 UJ	0.003 U	0.002 U	0.006 U	0.006 U
Ethylbenzene	1	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.006 U	0.006 U
Hexanone, 2-	NC	0.002 U	0.002 UJ	0.002 UJ	0.003 UJ	0.002 UJ	0.032 U	0.029 U
Isopropylbenzene	NC	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.006 U	0.006 U
Methyl acetate	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Methyl cyclohexane	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Methyl tert-butyl ether	0.93	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.006 U	0.006 U
Methyl-2-pentanone, 4-	NC	0.002 U	0.002 U	0.002 U	0.003 U	0.002 U	0.032 U	0.029 U
Methylene chloride	0.05	0.003	0.044	0.050	0.003 UJ	0.002 U	0.006 U	0.006 U
Styrene	NC	0.002 U	0.002 U	0.002 U	0.003 U	0.002 U	0.006 U	0.006 U
Tetrachloroethane, 1,1,2,2-	NC	0.002 U	0.002 UJ	0.002 UJ	0.003 U	0.002 UJ	0.006 U	0.006 U
Tetrachloroethene	1.3	0.002 U	0.002 U	0.002 U	0.003 U	0.002 U	0.006 U	0.006 U
Toluene	0.7	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.006 U	0.006 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Trichlorobenzene, 1,2,3-	NC	0.002 U	0.002 UJ	0.002 U	0.003 U	0.002 U	0.006 U	0.006 U
Trichlorobenzene, 1,2,4-	NC	0.002 U	0.002 U	0.002 U	0.003 U	0.002 U	0.006 U	0.006 U
Trichloroethane, 1,1,1-	0.68	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Trichloroethane, 1,1,2-	NC	0.002 U	0.002 U	0.002 U	0.003 U	0.002 U	0.006 U	0.006 U
Trichloroethene	0.47	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Trichlorofluoromethane	NC	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Vinyl chloride	0.02	0.002 U	0.002 U	0.002 U	0.003 UJ	0.002 U	0.006 U	0.006 U
Xylene, o	NC	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.006 U	0.006 U
Xylenes, m+p	NC	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.013 U	0.011 U
Xylenes, Total	0.26	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA

APPENDIX O, TABLE 4 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Location Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Ramp					North On-Site		
		SB-12A(0-2')	SB-12A(0-2') (DUP)	SB-13(0-4')	SB-13(8-10')	SB-13(20-22')	SB-14(0-2')	SB-14(0-2') (DUP)	SB-15(0-2')
		10/26/2012	10/26/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Dichloropropane, 1,2-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Dichloropropene, cis-1,3-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Dichloropropene, trans-1,3-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Ethylbenzene	1	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Hexanone, 2-	NC	0.028 U	0.030 U	0.029 U	0.029 U	0.032 UJ	0.029 U	0.031 U	0.032 U
Isopropylbenzene	NC	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Methyl acetate	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Methyl cyclohexane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.003 J	0.006 U	0.006 U	0.006 U
Methyl tert-butyl ether	0.93	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Methyl-2-pentanone, 4-	NC	0.028 U	0.030 U	0.029 U	0.029 U	0.032 UJ	0.029 U	0.031 U	0.032 U
Methylene chloride	0.05	0.012 U	0.028 U	0.010 U	0.006 U	0.009 U	0.006 U	0.006 U	0.006 U
Styrene	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Tetrachloroethane, 1,1,2,2-	NC	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Tetrachloroethene	1.3	0.006 U	0.006 U	0.001 J	0.007	0.006 UJ	0.006 U	0.006 U	0.006 U
Toluene	0.7	0.006 U	0.006 U	0.006 U	0.006 U	0.002 J	0.006 U	0.006 U	0.006 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Trichlorobenzene, 1,2,3-	NC	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Trichlorobenzene, 1,2,4-	NC	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Trichloroethane, 1,1,1-	0.68	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Trichloroethane, 1,1,2-	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Trichloroethene	0.47	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Trichlorofluoromethane	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Vinyl chloride	0.02	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Xylene, o	NC	0.006 U	0.006 U	0.006 U	0.006 U	0.006 UJ	0.006 U	0.006 U	0.006 U
Xylenes, m+p	NC	0.011 U	0.012 U	0.001 J	0.011 U	0.013 UJ	0.012 U	0.012 U	0.013 U
Xylenes, Total	0.26	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX O, TABLE 4 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Location Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	West On-Site		
		SB-17(2-4')	SB-18(0-2')	SB-18(0-2') (DUP)
		10/25/2012	10/26/2012	10/26/2012
Dichloropropane, 1,2-	NC	0.006 U	0.006 U	0.007 U
Dichloropropene, cis-1,3-	NC	0.006 U	0.006 U	0.007 U
Dichloropropene, trans-1,3-	NC	0.006 U	0.006 U	0.007 U
Ethylbenzene	1	0.006 U	0.006 U	0.002 J
Hexanone, 2-	NC	0.031 U	0.030 U	0.036 U
Isopropylbenzene	NC	0.006 U	0.006 UJ	0.007 UJ
Methyl acetate	NC	0.006 U	0.006 U	0.007 U
Methyl cyclohexane	NC	0.006 U	0.006 U	0.007 UJ
Methyl tert-butyl ether	0.93	0.006 U	0.006 U	0.007 U
Methyl-2-pentanone, 4-	NC	0.031 U	0.030 U	0.036 U
Methylene chloride	0.05	0.006 U	0.007 U	0.066 U
Styrene	NC	0.006 U	0.006 UJ	0.010 J
Tetrachloroethane, 1,1,2,2-	NC	0.006 U	0.006 UJ	0.007 UJ
Tetrachloroethene	1.3	0.006 U	0.006 U	0.007 U
Toluene	0.7	0.006 U	0.006 U	0.002 J
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NC	0.006 U	0.006 U	0.007 U
Trichlorobenzene, 1,2,3-	NC	0.006 U	0.006 UJ	0.007 UJ
Trichlorobenzene, 1,2,4-	NC	0.006 U	0.006 UJ	0.007 UJ
Trichloroethane, 1,1,1-	0.68	0.006 U	0.006 U	0.007 U
Trichloroethane, 1,1,2-	NC	0.006 U	0.006 U	0.007 U
Trichloroethene	0.47	0.006 U	0.006 U	0.007 U
Trichlorofluoromethane	NC	0.006 U	0.006 U	0.007 U
Vinyl chloride	0.02	0.006 U	0.006 U	0.007 U
Xylene, o	NC	0.006 U	0.006 U	0.007 UJ
Xylenes, m+p	NC	0.012 U	0.012 U	0.014 UJ
Xylenes, Total	0.26	NA	NA	NA

APPENDIX O TABLE 5 - SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA

Area	NYSDEC	South On-Site	North On-Site	Ramp				North On-Site	West On-Site			
Sample Name	Unrestricted	SS-01	SS-02	SS-11	SS-12	SS-12 (DUP)	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18
Sample Date	Use SCOs ^(a)	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012
Acenaphthene	20	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Acenaphthylene	100	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Anthracene	100	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Benzaldehyde	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Benzo(a)anthracene	1	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.190 J	19 U	2 U	7.9 U	0.410 U
Benzo(a)pyrene	1	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.220 J	19 U	2 U	7.9 U	0.410 U
Benzo(b)fluoranthene	1	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.300 J	19 U	2 U	7.9 U	0.410 U
Benzo(g,h,i)perylene	100	4 U	0.170 J	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Benzo(k)fluoranthene	0.8	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
1,1'-Biphenyl	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
bis(2-Chloroethoxy)methane	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
bis(2-Chloroethyl)ether	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
bis(2-Chloroisopropyl)ether	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
bis(2-Ethylhexyl)phthalate	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
4-Bromophenyl-phenylether	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Butylbenzylphthalate	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Carbazole	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
4-Chloro-3-methylphenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
4-Chloroaniline	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2-Chloronaphthalene	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2-Chlorophenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
4-Chlorophenyl-phenylether	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Chrysene	1	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.240 J	19 U	2 U	7.9 U	0.410 U
Dibenzo(a,h)anthracene	0.33	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Dibenzofuran	7	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
3,3'-Dichlorobenzidine	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2,4-Dichlorophenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use

Soil Cleanup Objectives. December.

NOTE:

NYSDEC	= New York State Department of Environmental Conservation
SCO	= Soil Cleanup Objective
mg/kg	= Milligrams per kilogram
DUP	= Duplicate field sample.
J	= Estimated concentration.
U	= Not detected; the associated value is the detection limit.
NC	= No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8270.
Data Validation completed by Data Validation Services.
All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 5 - SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA

Area	NYSDEC	South On-Site	North On-Site	Ramp				North On-Site	West On-Site			
Sample Name	Unrestricted	SS-01	SS-02	SS-11	SS-12	SS-12 (DUP)	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18
Sample Date	Use SCOs ^(a)	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012
Diethylphthalate	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2,4-Dimethylphenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Dimethylphthalate	NC	4.022 U	0.489	4.17 U	3.783 U	3.832 U	3.919 U	0.753	18.95 U	2.012 U	7.933 U	0.515
Di-n-butylphthalate	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
4,6-Dinitro-2-methylphenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2,4-Dinitrophenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2,4-Dinitrotoluene	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2,6-Dinitrotoluene	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Di-n-octylphthalate	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Fluoranthene	100	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.540	19 U	2 U	7.9 U	0.410 U
Fluorene	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Hexachlorobenzene	0.33	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Hexachlorocyclopentadiene	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Hexachloroethane	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Indeno(1,2,3-cd)pyrene	0.5	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Isophorone	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2-Methylnaphthalene	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2-Methylphenol	0.33	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
3&4-Methylphenol	0.33	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Naphthalene	12	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2-Nitroaniline	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
3-Nitroaniline	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
4-Nitroaniline	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Nitrobenzene	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2-Nitrophenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
4-Nitrophenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
N-Nitroso-di-n-propylamine	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
N-Nitrosodiphenylamine	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Pentachlorophenol	0.8	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Phenanthrene	100	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.260 J	19 U	2 U	7.9 U	0.410 U
Phenol	0.33	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
Pyrene	100	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.400 J	19 U	2 U	7.9 U	0.410 U
2,3,4,6-Tetrachlorophenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2,4,5-Trichlorophenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U
2,4,6-Trichlorophenol	NC	4 U	0.390 U	4.2 U	3.8 U	3.8 U	3.9 U	0.430 U	19 U	2 U	7.9 U	0.410 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	North On-Site				West On-Site		Upgradient		
		MW-02A(0-1')	MW-02A(2-3')	MW-02A(6-7')	MW-02A(8-10')	MW-03A(0-2')	MW-03A(4-6')	MW-04(0-2')	MW-04(2-4')	MW-04(4-6')
		10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/31/2012	10/31/2012	11/2/2012	11/2/2012	11/2/2012
Acenaphthene	20	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Acenaphthylene	100	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Anthracene	100	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Benzaldehyde	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Benzo(a)anthracene	1	0.039 U	0.210	0.040 U	0.040 U	1.0	0.044 U	0.160	0.043 U	0.041 U
Benzo(a)pyrene	1	0.039 U	0.230	0.040 U	0.040 U	1.1	0.044 U	0.130	0.043 U	0.041 U
Benzo(b)fluoranthene	1	0.039 U	0.290	0.040 U	0.040 U	1.7	0.044 U	0.210	0.043 U	0.041 U
Benzo(g,h,i)perylene	100	0.039 U	0.310	0.040 U	0.040 U	1.1	0.044 U	0.150	0.043 U	0.041 U
Benzo(k)fluoranthene	0.8	0.039 U	0.160 U	0.040 U	0.040 U	0.600	0.044 U	0.079	0.043 U	0.041 U
1,1'-Biphenyl	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
bis(2-Chloroethoxy)methane	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
bis(2-Chloroethyl)ether	NC	0.010 U	0.041 U	0.010 U	0.010 U	0.095 U	0.011 U	0.012 U	0.011 U	0.010 U
bis(2-Chloroisopropyl)ether	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
bis(2-Ethylhexyl)phthalate	NC	0.039 U	0.580	0.040 U	0.040 U	0.590	0.044 U	0.400	0.043 U	0.088
4-Bromophenyl-phenylether	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Butylbenzylphthalate	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Carbazole	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
4-Chloro-3-methylphenol	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
4-Chloroaniline	NC	0.018 U	0.077 U	0.019 U	0.019 U	0.180 U	0.021 U	0.023 U	0.021 U	0.020 U
2-Chloronaphthalene	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
2-Chlorophenol	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
4-Chlorophenyl-phenylether	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Chrysene	1	0.039 U	0.230	0.040 U	0.040 U	1.1	0.044 U	0.180	0.043 U	0.041 U
Dibenzo(a,h)anthracene	0.33	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Dibenzofuran	7	0.010 U	0.041 U	0.010 U	0.010 U	0.095 U	0.011 U	0.036 NJ	0.011 U	0.010 U
3,3'-Dichlorobenzidine	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
2,4-Dichlorophenol	NC	0.010 U	0.041 U	0.010 U	0.010 U	0.095 U	0.011 U	0.012 U	0.011 U	0.010 U

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use

Soil Cleanup Objectives. December.

NOTE: NYSDEC = New York State Department of Environmental Conservation
 SCO = Soil Cleanup Objective
 mg/kg = Milligrams per kilogram
 DUP = Duplicate field sample.
 J = Estimated concentration.
 U = Not detected; the associated value is the detection limit.
 NC = No criterion available.
 Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8270.
 Data Validation completed by Data Validation Services.
 All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	West On-Site				North On-Site			
		MW-06(0-2')	MW-06(0-2') (DUP)	MW-06(2-4')	MW-06(4-6')	MW-07(0-2')	MW-07(2-4')	MW-07(2-4') (DUP)	MW-07(4-6')
		10/31/2012	10/31/2012	10/31/2012	10/31/2012	11/5/2012	11/5/2012	11/5/2012	11/5/2012
Acenaphthene	20	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Acenaphthylene	100	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Anthracene	100	0.120 U	0.240 U	0.041 U	0.250 U	0.130	0.046 U	0.041 U	0.043 U
Benzaldehyde	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Benzo(a)anthracene	1	0.250	0.360	0.041 U	0.310	0.480	0.046 U	0.048	0.050
Benzo(a)pyrene	1	0.230	0.350	0.041 U	0.300	0.350	0.046 U	0.042	0.043 U
Benzo(b)fluoranthene	1	0.370	0.510	0.041 U	0.460	0.490	0.060	0.059	0.054
Benzo(g,h,i)perylene	100	0.190	0.340	0.041 U	0.320	0.250	0.047	0.049	0.046
Benzo(k)fluoranthene	0.8	0.120 U	0.240 U	0.041 U	0.250 U	0.180	0.046 U	0.041 U	0.043 U
1,1'-Biphenyl	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
bis(2-Chloroethoxy)methane	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
bis(2-Chloroethyl)ether	NC	0.030 U	0.060 U	0.010 U	0.062 U	0.030 U	0.012 U	0.010 U	0.011 U
bis(2-Chloroisopropyl)ether	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
bis(2-Ethylhexyl)phthalate	NC	0.120 U	0.240 U	0.069	0.730	0.440	0.530 J	0.200 J	0.370
4-Bromophenyl-phenylether	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Butylbenzylphthalate	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Carbazole	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
4-Chloro-3-methylphenol	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
4-Chloroaniline	NC	0.057 U	0.110 U	0.020 U	0.120 U	0.058 U	0.022 U	0.019 U	0.021 U
2-Chloronaphthalene	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
2-Chlorophenol	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
4-Chlorophenyl-phenylether	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Chrysene	1	0.280	0.400	0.041 U	0.330	0.420	0.046 U	0.049	0.047
Dibenzo(a,h)anthracene	0.33	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Dibenzofuran	7	0.030 U	0.060 U	0.010 U	0.062 U	0.030 U	0.012 U	0.010 U	0.011 U
3,3'-Dichlorobenzidine	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
2,4-Dichlorophenol	NC	0.030 U	0.060 U	0.010 U	0.062 U	0.030 U	0.012 U	0.010 U	0.011 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area	NYSDEC	North On-Site	Ramp							
Sample Name	Unrestricted	MW-07(6-8')	SB-11(0-2')	SB-11(2-4')	SB-11(4-6')	SB-11(4-6') (DUP)	SB-11(6-8')	SB-11(8-10')	SB-11(10-12')	SB-11(12-14')
Sample Date	Use SCOs ^(a)	11/5/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012
Acenaphthene	20	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Acenaphthylene	100	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Anthracene	100	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Benzaldehyde	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Benzo(a)anthracene	1	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.230 J	0.400 U	0.400 U	0.440 U
Benzo(a)pyrene	1	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.230 J	0.400 U	0.400 U	0.440 U
Benzo(b)fluoranthene	1	0.040 U	0.230 J	0.200 J	0.420 U	0.380 U	0.310 J	0.400 U	0.400 U	0.440 U
Benzo(g,h,i)perylene	100	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Benzo(k)fluoranthene	0.8	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
1,1'-Biphenyl	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
bis(2-Chloroethoxy)methane	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
bis(2-Chloroethyl)ether	NC	0.010 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
bis(2-Chloroisopropyl)ether	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
bis(2-Ethylhexyl)phthalate	NC	0.073	0.380 U	0.390 U	0.420 U	0.380 U	0.180 J	0.400 U	0.400 U	0.440 U
4-Bromophenyl-phenylether	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Butylbenzylphthalate	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Carbazole	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
4-Chloro-3-methylphenol	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
4-Chloroaniline	NC	0.019 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2-Chloronaphthalene	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2-Chlorophenol	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
4-Chlorophenyl-phenylether	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Chrysene	1	0.040 U	0.380 U	0.180 J	0.420 U	0.380 U	0.270 J	0.400 U	0.400 U	0.440 U
Dibenzo(a,h)anthracene	0.33	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Dibenzofuran	7	0.010 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
3,3'-Dichlorobenzidine	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2,4-Dichlorophenol	NC	0.010 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	Ramp								
		SB-11(14-16')	SB-11(16-18')	SB-12(8-10')	SB-12(12-14')	SB-12(14-16')	SB-12(16-18')	SB-12(18-20')	SB-12A(0-2')	SB-12A(0-2') (DUP)
		11/6/2012	11/6/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/26/2012	10/26/2012
Acenaphthene	20	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Acenaphthylene	100	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Anthracene	100	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Benzaldehyde	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.430	0.280 J
Benzo(a)anthracene	1	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.510	0.410 U	0.330 J	0.240 J
Benzo(a)pyrene	1	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.490 J	0.410 U	0.330 J	0.250 J
Benzo(b)fluoranthene	1	0.400 U	0.390 U	0.400 U	0.410 U	0.190 J	0.660 J	0.410 U	0.470	0.330 J
Benzo(g,h,i)perylene	100	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.340 J	0.410 U	0.250 J	0.200 J
Benzo(k)fluoranthene	0.8	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.250 J	0.410 U	0.160 J	0.400 U
1,1'-Biphenyl	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
bis(2-Chloroethoxy)methane	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
bis(2-Chloroethyl)ether	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
bis(2-Chloroisopropyl)ether	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
bis(2-Ethylhexyl)phthalate	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
4-Bromophenyl-phenylether	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Butylbenzylphthalate	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Carbazole	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
4-Chloro-3-methylphenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
4-Chloroaniline	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2-Chloronaphthalene	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2-Chlorophenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
4-Chlorophenyl-phenylether	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Chrysene	1	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.560	0.410 U	0.360 J	0.250 J
Dibenzo(a,h)anthracene	0.33	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Dibenzofuran	7	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
3,3'-Dichlorobenzidine	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2,4-Dichlorophenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area	NYSDEC	Ramp							North On-Site	
Sample Name	Unrestricted	SB-13(0-4')	SB-13(8-10')	SB-13(10-12')	SB-13(12-14')	SB-13(16-18')	SB-13(20-22')	SB-13(23-25')	SB-14(0-2')	SB-14(0-2') (DUP)
Sample Date	Use SCOs ^(a)	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Acenaphthene	20	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Acenaphthylene	100	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Anthracene	100	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.460 J	0.390 U	0.380 U	0.410 U
Benzaldehyde	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Benzo(a)anthracene	1	0.190 J	0.380 U	0.360 U	0.400 U	0.400 U	1 J	0.390 U	0.380 U	0.410 U
Benzo(a)pyrene	1	0.220 J	0.380 U	0.360 U	0.400 U	0.400 U	1.1 J	0.390 U	0.380 U	0.410 U
Benzo(b)fluoranthene	1	0.250 J	0.380 U	0.360 U	0.400 U	0.400 U	1.3 J	0.390 U	0.380 U	0.410 U
Benzo(g,h,i)perylene	100	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.660 J	0.390 U	0.380 U	0.410 U
Benzo(k)fluoranthene	0.8	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.500 J	0.390 U	0.380 U	0.410 U
1,1'-Biphenyl	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
bis(2-Chloroethoxy)methane	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
bis(2-Chloroethyl)ether	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
bis(2-Chloroisopropyl)ether	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
bis(2-Ethylhexyl)phthalate	NC	0.380 U	0.380 U	0.320 J	0.820	0.400 U	0.220 J	0.390 U	0.380 U	0.410 U
4-Bromophenyl-phenylether	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Butylbenzylphthalate	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Carbazole	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.250 J	0.390 U	0.380 U	0.410 U
4-Chloro-3-methylphenol	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
4-Chloroaniline	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2-Chloronaphthalene	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2-Chlorophenol	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
4-Chlorophenyl-phenylether	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Chrysene	1	0.200 J	0.380 U	0.360 U	0.400 U	0.400 U	0.990 J	0.390 U	0.380 U	0.410 U
Dibenzo(a,h)anthracene	0.33	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.240 J	0.390 U	0.380 U	0.410 U
Dibenzofuran	7	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
3,3'-Dichlorobenzidine	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2,4-Dichlorophenol	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	North On-Site								
		SB-14(2-4')	SB-14(4-6')	SB-14(6-8')	SB-14(8-10')	SB-14(10-12')	SB-15(0-2')	SB-15(2-4')	SB-15(4-6')	SB-15(6-8')
		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Acenaphthene	20	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Acenaphthylene	100	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Anthracene	100	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Benzaldehyde	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Benzo(a)anthracene	1	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Benzo(a)pyrene	1	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Benzo(b)fluoranthene	1	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.210 J	0.400 U	0.400 U	0.390 U
Benzo(g,h,i)perylene	100	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Benzo(k)fluoranthene	0.8	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
1,1'-Biphenyl	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
bis(2-Chloroethoxy)methane	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
bis(2-Chloroethyl)ether	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
bis(2-Chloroisopropyl)ether	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
bis(2-Ethylhexyl)phthalate	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
4-Bromophenyl-phenylether	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Butylbenzylphthalate	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Carbazole	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
4-Chloro-3-methylphenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
4-Chloroaniline	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2-Chloronaphthalene	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2-Chlorophenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
4-Chlorophenyl-phenylether	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Chrysene	1	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.190 J	0.400 U	0.400 U	0.390 U
Dibenzo(a,h)anthracene	0.33	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Dibenzofuran	7	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
3,3'-Dichlorobenzidine	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2,4-Dichlorophenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	North On-Site	West On-Site							
		SB-15(8-10')	SB-16(0-2')	SB-16(2-4')	SB-16(4-6')	SB-16(6-8')	SB-16(8-10')	SB-16(10-12')	SB-16(12-14')	SB-16(14-16')
		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Acenaphthene	20	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Acenaphthylene	100	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Anthracene	100	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Benzaldehyde	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Benzo(a)anthracene	1	0.390 U	0.450	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Benzo(a)pyrene	1	0.390 U	0.460 J	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Benzo(b)fluoranthene	1	0.390 U	0.590 J	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Benzo(g,h,i)perylene	100	0.390 U	0.300 J	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Benzo(k)fluoranthene	0.8	0.390 U	0.200 J	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
1,1'-Biphenyl	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
bis(2-Chloroethoxy)methane	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
bis(2-Chloroethyl)ether	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
bis(2-Chloroisopropyl)ether	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
bis(2-Ethylhexyl)phthalate	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
4-Bromophenyl-phenylether	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Butylbenzylphthalate	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Carbazole	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
4-Chloro-3-methylphenol	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
4-Chloroaniline	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2-Chloronaphthalene	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2-Chlorophenol	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
4-Chlorophenyl-phenylether	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Chrysene	1	0.390 U	0.510	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Dibenzo(a,h)anthracene	0.33	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Dibenzofuran	7	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
3,3'-Dichlorobenzidine	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2,4-Dichlorophenol	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	West On-Site					
		SB-17(0-2')	SB-17(2-4')	SB-17(4-6')	SB-17(6-8')	SB-17(8-10')	SB-17(10-12')
		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Acenaphthene	20	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Acenaphthylene	100	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Anthracene	100	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Benzaldehyde	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Benzo(a)anthracene	1	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Benzo(a)pyrene	1	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Benzo(b)fluoranthene	1	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Benzo(g,h,i)perylene	100	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Benzo(k)fluoranthene	0.8	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
1,1'-Biphenyl	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
bis(2-Chloroethoxy)methane	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
bis(2-Chloroethyl)ether	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
bis(2-Chloroisopropyl)ether	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
bis(2-Ethylhexyl)phthalate	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
4-Bromophenyl-phenylether	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Butylbenzylphthalate	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Carbazole	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
4-Chloro-3-methylphenol	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
4-Chloroaniline	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2-Chloronaphthalene	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2-Chlorophenol	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
4-Chlorophenyl-phenylether	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Chrysene	1	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Dibenzo(a,h)anthracene	0.33	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Dibenzofuran	7	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
3,3'-Dichlorobenzidine	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2,4-Dichlorophenol	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	West On-Site				
		SB-18(0-2')	SB-18(0-2') (DUP)	SB-18(2-4')	SB-18(8-10')	SB-18(10-12')
		10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Acenaphthene	20	4 U	0.470 U	2 U	0.390 U	0.390 U
Acenaphthylene	100	4 U	0.470 U	2 U	0.390 U	0.390 U
Anthracene	100	4 U	0.470 U	2 U	0.390 U	0.390 U
Benzaldehyde	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Benzo(a)anthracene	1	4 U	0.470 U	1.2 J	0.390 U	0.390 U
Benzo(a)pyrene	1	4 U	0.470 U	1.2 J	0.390 U	0.390 U
Benzo(b)fluoranthene	1	1.6 J	0.470 UJ	1.6 J	0.390 U	0.390 U
Benzo(g,h,i)perylene	100	4 U	0.470 U	2 U	0.390 U	0.390 U
Benzo(k)fluoranthene	0.8	4 U	0.470 U	2 U	0.390 U	0.390 U
1,1'-Biphenyl	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
bis(2-Chloroethoxy)methane	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
bis(2-Chloroethyl)ether	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
bis(2-Chloroisopropyl)ether	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
bis(2-Ethylhexyl)phthalate	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
4-Bromophenyl-phenylether	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Butylbenzylphthalate	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Carbazole	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
4-Chloro-3-methylphenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
4-Chloroaniline	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2-Chloronaphthalene	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2-Chlorophenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
4-Chlorophenyl-phenylether	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Chrysene	1	4 U	0.470 U	1.2 J	0.390 U	0.390 U
Dibenzo(a,h)anthracene	0.33	4 U	0.470 U	2 U	0.390 U	0.390 U
Dibenzofuran	7	4 U	0.470 U	2 U	0.390 U	0.390 U
3,3'-Dichlorobenzidine	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2,4-Dichlorophenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	North On-Site				West On-Site		Upgradient		
		MW-02A(0-1')	MW-02A(2-3')	MW-02A(6-7')	MW-02A(8-10')	MW-03A(0-2')	MW-03A(4-6')	MW-04(0-2')	MW-04(2-4')	MW-04(4-6')
		10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/31/2012	10/31/2012	11/2/2012	11/2/2012	11/2/2012
Diethylphthalate	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
2,4-Dimethylphenol	NC	0.010 U	0.041 U	0.010 U	0.010 U	0.095 U	0.011 U	0.012 U	0.011 U	0.010 U
Dimethylphthalate	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Di-n-butylphthalate	NC	0.019 U	0.082 U	0.020 U	0.020 U	0.190 U	0.022 U	0.025 U	0.022 U	0.021 U
4,6-Dinitro-2-methylphenol	NC	0.190 U	0.810 U	0.200 U	0.200 U	1.9 U	0.220 U	0.049 U	0.220 U	0.210 U
2,4-Dinitrophenol	NC	0.190 U	0.810 U	0.200 U	0.200 U	1.9 U	0.220 U	0.250 U	0.220 U	0.210 U
2,4-Dinitrotoluene	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
2,6-Dinitrotoluene	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Di-n-octylphthalate	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Fluoranthene	100	0.039 U	0.230	0.040 U	0.040 U	1.7	0.044 U	0.230	0.043 U	0.041 U
Fluorene	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Hexachlorobenzene	0.33	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Hexachlorocyclopentadiene	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Hexachloroethane	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Indeno(1,2,3-cd)pyrene	0.5	0.039 U	0.190	0.040 U	0.040 U	0.80	0.044 U	0.110	0.043 U	0.041 U
Isophorone	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
2-Methylnaphthalene	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.110	0.043 U	0.041 U
2-Methylphenol	0.33	0.010 U	0.041 U	0.010 U	0.010 U	0.095 U	0.011 U	0.012 U	0.011 U	0.010 U
3&4-Methylphenol	0.33	0.010 U	0.041 U	0.010 U	0.010 U	0.095 U	0.011 U	0.012 U	0.011 U	0.010 U
Naphthalene	12	0.010 U	0.041 U	0.010 U	0.010 U	0.095 U	0.011 U	0.074	0.011 U	0.010 U
2-Nitroaniline	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
3-Nitroaniline	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
4-Nitroaniline	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Nitrobenzene	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
2-Nitrophenol	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
4-Nitrophenol	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
N-Nitroso-di-n-propylamine	NC	0.010 U	0.041 U	0.010 U	0.010 U	0.095 U	0.011 U	0.012 U	0.011 U	0.010 U
N-Nitrosodiphenylamine	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Pentachlorophenol	0.8	0.190 U	0.810 U	0.200 U	0.200 U	1.9 U	0.220 U	0.250 U	0.220 U	0.210 U
Phenanthrene	100	0.039 U	0.170	0.040 U	0.040 U	0.820	0.044 U	0.180	0.043 U	0.041 U
Phenol	0.33	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
Pyrene	100	0.039 U	0.290	0.040 U	0.040 U	1.7	0.044 U	0.240	0.043 U	0.041 U
2,3,4,6-Tetrachlorophenol	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
2,4,5-Trichlorophenol	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U
2,4,6-Trichlorophenol	NC	0.039 U	0.160 U	0.040 U	0.040 U	0.380 U	0.044 U	0.049 U	0.043 U	0.041 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	West On-Site				North On-Site			
		MW-06(0-2')	MW-06(0-2') (DUP)	MW-06(2-4')	MW-06(4-6')	MW-07(0-2')	MW-07(2-4')	MW-07(2-4') (DUP)	MW-07(4-6')
		10/31/2012	10/31/2012	10/31/2012	10/31/2012	11/5/2012	11/5/2012	11/5/2012	11/5/2012
Diethylphthalate	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
2,4-Dimethylphenol	NC	0.030 U	0.060 U	0.010 U	0.062 U	0.030 U	0.012 U	0.010 U	0.011 U
Dimethylphthalate	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Di-n-butylphthalate	NC	0.061 U	0.120 U	0.021 U	0.120 U	0.110	0.038	0.038	0.025
4,6-Dinitro-2-methylphenol	NC	0.600 U	1.2 U	0.210 U	1.2 U	0.120 U	0.046 U	0.200 U	0.220 U
2,4-Dinitrophenol	NC	0.600 U	1.2 U	0.210 U	1.2 U	0.610 U	0.230 U	0.200 U	0.220 U
2,4-Dinitrotoluene	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
2,6-Dinitrotoluene	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Di-n-octylphthalate	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Fluoranthene	100	0.430	0.600	0.041 U	0.520	0.770	0.053	0.060	0.098
Fluorene	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Hexachlorobenzene	0.33	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Hexachlorocyclopentadiene	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Hexachloroethane	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Indeno(1,2,3-cd)pyrene	0.5	0.170	0.240	0.041 U	0.290	0.220	0.046 U	0.046	0.043 U
Isophorone	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
2-Methylnaphthalene	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
2-Methylphenol	0.33	0.030 U	0.060 U	0.010 U	0.062 U	0.030 U	0.012 U	0.010 U	0.011 U
3&4-Methylphenol	0.33	0.030 U	0.060 U	0.010 U	0.062 U	0.030 U	0.012 U	0.010 U	0.011 U
Naphthalene	12	0.030 U	0.060 U	0.010 U	0.062 U	0.030 U	0.012 U	0.010 U	0.011 U
2-Nitroaniline	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
3-Nitroaniline	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
4-Nitroaniline	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Nitrobenzene	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
2-Nitrophenol	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
4-Nitrophenol	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
N-Nitroso-di-n-propylamine	NC	0.030 U	0.060 U	0.010 U	0.062 U	0.030 U	0.012 U	0.010 U	0.011 U
N-Nitrosodiphenylamine	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Pentachlorophenol	0.8	0.600 U	1.2 U	0.210 U	1.2 U	0.610 U	0.230 U	0.200 U	0.220 U
Phenanthrene	100	0.220	0.420	0.041 U	0.250 U	0.610	0.046 U	0.046	0.081
Phenol	0.33	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
Pyrene	100	0.420	0.620	0.041 U	0.530	0.820	0.066	0.077	0.096
2,3,4,6-Tetrachlorophenol	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
2,4,5-Trichlorophenol	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U
2,4,6-Trichlorophenol	NC	0.120 U	0.240 U	0.041 U	0.250 U	0.120 U	0.046 U	0.041 U	0.043 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	Ramp								
		North On-Site MW-07(6-8')	SB-11(0-2')	SB-11(2-4')	SB-11(4-6')	SB-11(4-6') (DUP)	SB-11(6-8')	SB-11(8-10')	SB-11(10-12')	SB-11(12-14')
		11/5/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012
Diethylphthalate	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2,4-Dimethylphenol	NC	0.010 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Dimethylphthalate	NC	0.040 U	0.412	0.495	0.534	0.512	0.439	0.385 J	0.426	0.481
Di-n-butylphthalate	NC	0.020 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
4,6-Dinitro-2-methylphenol	NC	0.200 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2,4-Dinitrophenol	NC	0.200 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2,4-Dinitrotoluene	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2,6-Dinitrotoluene	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Di-n-octylphthalate	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Fluoranthene	100	0.040 U	0.170 J	0.350 J	0.420 U	0.380 U	0.430	0.400 U	0.170 J	0.440 U
Fluorene	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Hexachlorobenzene	0.33	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Hexachlorocyclopentadiene	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Hexachloroethane	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Indeno(1,2,3-cd)pyrene	0.5	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Isophorone	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2-Methylnaphthalene	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2-Methylphenol	0.33	0.010 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
3&4-Methylphenol	0.33	0.010 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Naphthalene	12	0.010 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2-Nitroaniline	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
3-Nitroaniline	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
4-Nitroaniline	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Nitrobenzene	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2-Nitrophenol	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
4-Nitrophenol	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
N-Nitroso-di-n-propylamine	NC	0.010 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
N-Nitrosodiphenylamine	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Pentachlorophenol	0.8	0.200 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Phenanthrene	100	0.040 U	0.380 U	0.210 J	0.420 U	0.380 U	0.280 J	0.400 U	0.400 U	0.440 U
Phenol	0.33	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
Pyrene	100	0.040 U	0.380 U	0.300 J	0.420 U	0.380 U	0.340 J	0.400 U	0.400 U	0.440 U
2,3,4,6-Tetrachlorophenol	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2,4,5-Trichlorophenol	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U
2,4,6-Trichlorophenol	NC	0.040 U	0.380 U	0.390 U	0.420 U	0.380 U	0.390 U	0.400 U	0.400 U	0.440 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	Ramp								
		SB-11(14-16')	SB-11(16-18')	SB-12(8-10')	SB-12(12-14')	SB-12(14-16')	SB-12(16-18')	SB-12(18-20')	SB-12A(0-2')	SB-12A(0-2') (DUP)
		11/6/2012	11/6/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/26/2012	10/26/2012
Diethylphthalate	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2,4-Dimethylphenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Dimethylphthalate	NC	0.455	0.200 J	0.691	0.347 J	0.467	0.448	0.399 J	0.370 U	0.400 U
Di-n-butylphthalate	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
4,6-Dinitro-2-methylphenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2,4-Dinitrophenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2,4-Dinitrotoluene	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2,6-Dinitrotoluene	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Di-n-octylphthalate	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Fluoranthene	100	0.400 U	0.390 U	0.400 U	0.410 U	0.210 J	1 J	0.410 U	0.61	0.51
Fluorene	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Hexachlorobenzene	0.33	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Hexachlorocyclopentadiene	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Hexachloroethane	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Indeno(1,2,3-cd)pyrene	0.5	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.320 J	0.410 U	0.240 J	0.180 J
Isophorone	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2-Methylnaphthalene	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2-Methylphenol	0.33	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
3&4-Methylphenol	0.33	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Naphthalene	12	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2-Nitroaniline	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
3-Nitroaniline	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
4-Nitroaniline	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Nitrobenzene	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2-Nitrophenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
4-Nitrophenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
N-Nitroso-di-n-propylamine	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
N-Nitrosodiphenylamine	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Pentachlorophenol	0.8	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Phenanthrene	100	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.550	0.410 U	0.340 J	0.300 J
Phenol	0.33	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
Pyrene	100	0.400 U	0.390 U	0.400 U	0.410 U	0.170 J	0.840	0.410 U	0.470	0.390 J
2,3,4,6-Tetrachlorophenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2,4,5-Trichlorophenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U
2,4,6-Trichlorophenol	NC	0.400 U	0.390 U	0.400 U	0.410 U	0.400 U	0.410 U	0.410 U	0.370 U	0.400 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area	NYSDEC	Ramp							North On-Site	
Sample Name	Unrestricted	SB-13(0-4')	SB-13(8-10')	SB-13(10-12')	SB-13(12-14')	SB-13(16-18')	SB-13(20-22')	SB-13(23-25')	SB-14(0-2')	SB-14(0-2') (DUP)
Sample Date	Use SCOs ^(a)	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Diethylphthalate	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2,4-Dimethylphenol	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Dimethylphthalate	NC	0.698	0.559	0.488	0.703	0.567	0.597	0.438	0.441	0.588
Di-n-butylphthalate	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
4,6-Dinitro-2-methylphenol	NC	NA	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2,4-Dinitrophenol	NC	NA	0.380 UJ	0.360 UJ	0.400 UJ	0.400 UJ	0.420 UJ	0.390 UJ	0.380 U	0.410 UJ
2,4-Dinitrotoluene	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2,6-Dinitrotoluene	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Di-n-octylphthalate	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Fluoranthene	100	0.290 J	0.380 U	0.210 J	0.400 U	0.400 U	2.0	0.390 U	0.380 U	0.410 U
Fluorene	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Hexachlorobenzene	0.33	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Hexachlorocyclopentadiene	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Hexachloroethane	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Indeno(1,2,3-cd)pyrene	0.5	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.58	0.390 U	0.380 U	0.410 U
Isophorone	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2-Methylnaphthalene	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2-Methylphenol	0.33	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	1.2 J	0.390 U	0.380 U	0.410 U
3&4-Methylphenol	0.33	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.210 NJ	0.390 U	0.380 U	0.410 U
Naphthalene	12	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2-Nitroaniline	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
3-Nitroaniline	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
4-Nitroaniline	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Nitrobenzene	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2-Nitrophenol	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
4-Nitrophenol	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
N-Nitroso-di-n-propylamine	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
N-Nitrosodiphenylamine	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.190 J	0.390 U	0.380 U	0.410 U
Pentachlorophenol	0.8	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
Phenanthrene	100	0.380 U	0.380 U	0.150 J	0.400 U	0.400 U	1.3	0.390 U	0.380 U	0.410 U
Phenol	0.33	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	7 D	0.390 U	0.380 U	0.410 U
Pyrene	100	0.250 J	0.380 U	0.150 J	0.400 U	0.400 U	1.4	0.390 U	0.380 U	0.410 U
2,3,4,6-Tetrachlorophenol	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2,4,5-Trichlorophenol	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U
2,4,6-Trichlorophenol	NC	0.380 U	0.380 U	0.360 U	0.400 U	0.400 U	0.420 U	0.390 U	0.380 U	0.410 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	North On-Site								
		SB-14(2-4')	SB-14(4-6')	SB-14(6-8')	SB-14(8-10')	SB-14(10-12')	SB-15(0-2')	SB-15(2-4')	SB-15(4-6')	SB-15(6-8')
		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Diethylphthalate	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2,4-Dimethylphenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Dimethylphthalate	NC	0.523	0.580	0.588	0.700	0.423	0.675	0.688	0.574	0.610
Di-n-butylphthalate	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
4,6-Dinitro-2-methylphenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2,4-Dinitrophenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 UJ	0.400 UJ	0.400 UJ	0.390 UJ
2,4-Dinitrotoluene	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2,6-Dinitrotoluene	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Di-n-octylphthalate	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Fluoranthene	100	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.380 J	0.400 U	0.400 U	0.390 U
Fluorene	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Hexachlorobenzene	0.33	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Hexachlorocyclopentadiene	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Hexachloroethane	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Indeno(1,2,3-cd)pyrene	0.5	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Isophorone	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2-Methylnaphthalene	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2-Methylphenol	0.33	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
3&4-Methylphenol	0.33	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Naphthalene	12	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2-Nitroaniline	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
3-Nitroaniline	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
4-Nitroaniline	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Nitrobenzene	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2-Nitrophenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
4-Nitrophenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
N-Nitroso-di-n-propylamine	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
N-Nitrosodiphenylamine	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Pentachlorophenol	0.8	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Phenanthrene	100	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.200 J	0.400 U	0.400 U	0.390 U
Phenol	0.33	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
Pyrene	100	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.260 J	0.400 U	0.400 U	0.390 U
2,3,4,6-Tetrachlorophenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2,4,5-Trichlorophenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U
2,4,6-Trichlorophenol	NC	0.400 U	0.400 U	0.400 U	0.410 U	0.420 U	0.420 U	0.400 U	0.400 U	0.390 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	West On-Site								
		North On-Site								
		SB-15(8-10') 10/25/2012	SB-16(0-2') 10/25/2012	SB-16(2-4') 10/25/2012	SB-16(4-6') 10/25/2012	SB-16(6-8') 10/25/2012	SB-16(8-10') 10/25/2012	SB-16(10-12') 10/25/2012	SB-16(12-14') 10/25/2012	SB-16(14-16') 10/25/2012
Diethylphthalate	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2,4-Dimethylphenol	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Dimethylphthalate	NC	0.507	0.448	0.470	0.743	0.636	0.765	0.623	0.711	0.571
Di-n-butylphthalate	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
4,6-Dinitro-2-methylphenol	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2,4-Dinitrophenol	NC	0.390 UJ	0.370 U	0.380 U	0.420 U	0.390 U	0.420 UJ	0.390 UJ	0.390 UJ	0.390 UJ
2,4-Dinitrotoluene	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2,6-Dinitrotoluene	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Di-n-octylphthalate	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Fluoranthene	100	0.390 U	1 J	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Fluorene	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Hexachlorobenzene	0.33	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Hexachlorocyclopentadiene	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Hexachloroethane	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Indeno(1,2,3-cd)pyrene	0.5	0.390 U	0.260 J	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Isophorone	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2-Methylnaphthalene	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2-Methylphenol	0.33	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
3&4-Methylphenol	0.33	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Naphthalene	12	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2-Nitroaniline	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
3-Nitroaniline	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
4-Nitroaniline	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Nitrobenzene	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2-Nitrophenol	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
4-Nitrophenol	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
N-Nitroso-di-n-propylamine	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
N-Nitrosodiphenylamine	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Pentachlorophenol	0.8	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Phenanthrene	100	0.390 U	0.760	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Phenol	0.33	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
Pyrene	100	0.390 U	0.920	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2,3,4,6-Tetrachlorophenol	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2,4,5-Trichlorophenol	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U
2,4,6-Trichlorophenol	NC	0.390 U	0.370 U	0.380 U	0.420 U	0.390 U	0.420 U	0.390 U	0.390 U	0.390 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	West On-Site					
		SB-17(0-2')	SB-17(2-4')	SB-17(4-6')	SB-17(6-8')	SB-17(8-10')	SB-17(10-12')
		10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Diethylphthalate	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2,4-Dimethylphenol	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Dimethylphthalate	NC	0.546	0.656	0.416	0.414	0.503	0.760
Di-n-butylphthalate	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
4,6-Dinitro-2-methylphenol	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2,4-Dinitrophenol	NC	0.370 UJ	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2,4-Dinitrotoluene	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2,6-Dinitrotoluene	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Di-n-octylphthalate	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Fluoranthene	100	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Fluorene	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Hexachlorobenzene	0.33	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Hexachlorocyclopentadiene	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Hexachloroethane	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Indeno(1,2,3-cd)pyrene	0.5	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Isophorone	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2-Methylnaphthalene	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2-Methylphenol	0.33	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
3&4-Methylphenol	0.33	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Naphthalene	12	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2-Nitroaniline	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
3-Nitroaniline	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
4-Nitroaniline	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Nitrobenzene	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2-Nitrophenol	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
4-Nitrophenol	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
N-Nitroso-di-n-propylamine	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
N-Nitrosodiphenylamine	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Pentachlorophenol	0.8	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Phenanthrene	100	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Phenol	0.33	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
Pyrene	100	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2,3,4,6-Tetrachlorophenol	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2,4,5-Trichlorophenol	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U
2,4,6-Trichlorophenol	NC	0.370 U	0.410 U	0.410 U	0.400 U	0.400 U	0.390 U

APPENDIX O TABLE 6 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - ON-SITE AREA (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	West On-Site				
		SB-18(0-2')	SB-18(0-2') (DUP)	SB-18(2-4')	SB-18(8-10')	SB-18(10-12')
		10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Diethylphthalate	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2,4-Dimethylphenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Dimethylphthalate	NC	4 U	0.277 J	2 U	0.387 U	0.391 U
Di-n-butylphthalate	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
4,6-Dinitro-2-methylphenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2,4-Dinitrophenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2,4-Dinitrotoluene	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2,6-Dinitrotoluene	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Di-n-octylphthalate	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Fluoranthene	100	2.3 J	0.470 UJ	2.5	0.390 U	0.390 U
Fluorene	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Hexachlorobenzene	0.33	4 U	0.470 U	2 U	0.390 U	0.390 U
Hexachlorocyclopentadiene	NC	NA	0.470 U	2 U	0.390 U	0.390 U
Hexachloroethane	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Indeno(1,2,3-cd)pyrene	0.5	4 U	0.470 U	0.820 J	0.390 U	0.390 U
Isophorone	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2-Methylnaphthalene	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2-Methylphenol	0.33	4 U	0.470 U	2 U	0.390 U	0.390 U
3&4-Methylphenol	0.33	4 U	0.470 U	2 U	0.390 U	0.390 U
Naphthalene	12	4 U	0.470 U	2 U	0.390 U	0.390 U
2-Nitroaniline	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
3-Nitroaniline	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
4-Nitroaniline	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Nitrobenzene	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2-Nitrophenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
4-Nitrophenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
N-Nitroso-di-n-propylamine	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
N-Nitrosodiphenylamine	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
Pentachlorophenol	0.8	4 U	0.470 U	2 U	0.390 U	0.390 U
Phenanthrene	100	4 U	0.470 U	1.2 J	0.390 U	0.390 U
Phenol	0.33	4 U	0.470 U	2 U	0.390 U	0.390 U
Pyrene	100	1.7 J	0.470 UJ	1.7 J	0.390 U	0.390 U
2,3,4,6-Tetrachlorophenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2,4,5-Trichlorophenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U
2,4,6-Trichlorophenol	NC	4 U	0.470 U	2 U	0.390 U	0.390 U

APPENDIX O TABLE 7 - SURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - ON-SITE AREA

Area	NYSDEC	South On-Site	North On-Site	Ramp				North On-Site
Location	Unrestricted Use	SS-01	SS-02/R	SS-11	SS-12	SS-12 (DUP)	SS-13	SS-14
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012	10/24/2012
Aldrin	0.005	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
BHC, alpha-	0.02	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
BHC, beta-	0.036	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
BHC, delta-	0.04	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Chlordane, alpha-	0.094	0.005	0.011	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Chlordane, beta-	NC	0.003	0.007	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
DDD, p,p'-	0.0033	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
DDE, p,p'-	0.0033	0.002 U	0.002 U	0.002	0.002 U	0.002 U	0.002 U	0.002 U
DDT, p,p'-	0.0033	0.002 U	0.002 U	0.004 J	0.002 U	0.002 U	0.002 U	0.002 U
Dieldrin	0.005	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan I	2.4	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan II	2.4	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endrin	0.014	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endrin Aldehyde	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endrin Ketone	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor	0.042	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor Epoxide	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Lindane (BHC, gamma-)	0.1	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Methoxychlor	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Toxaphene	NC	0.021 U	0.020 U	0.021 U	0.020 U	0.020 U	0.020 U	0.022 U
Aroclor-1016	0.1	0.021 U	0.020 U	0.021 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.022 UJ
Aroclor-1221	0.1	0.021 U	0.020 U	0.021 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.022 UJ
Aroclor-1232	0.1	0.021 U	0.020 U	0.021 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.022 UJ
Aroclor-1242	0.1	0.021 U	0.020 U	0.021 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.022 UJ
Aroclor-1248	0.1	0.021 U	0.020 U	0.021 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.022 UJ
Aroclor-1254	0.1	0.021 U	0.020 U	0.026 J	0.020 J	0.020 J	0.023 J	0.022 UJ
Aroclor-1260	0.1	0.021 U	0.020 U	0.021 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.037 J

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use SCOs. December.

NOTE:

NYSDEC = New York State Department of Environmental Conservation

SCO = Soil Cleanup Objective

mg/kg = Milligrams per kilogram

DUP = Duplicate field sample.

U = Not detected; the associated value is the detection limit.

J = Estimated concentration.

BHC = Benzene hexachloride

DDD = Dichlorodiphenyldichloroethane

DDE = Dichlorodiphenyldichloroethylene

DDT = Dichlorodiphenyltrichloroethane

NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8081 and 8082.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the Unrestricted Use SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 7 - SURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - ON-SITE AREA (CONT'D)

Area	NYSDEC	West On-Site		West On-Site	
Location	Unrestricted Use	SS-15	SS-16	SS-17	SS-18
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012	10/24/2012
Aldrin	0.005	0.002 U	0.002 U	0.002 U	0.002 U
BHC, alpha-	0.02	0.002 U	0.002 U	0.002 U	0.002 U
BHC, beta-	0.036	0.002 U	0.002 U	0.002 U	0.002 U
BHC, delta-	0.04	0.002 U	0.002 U	0.002 U	0.002 U
Chlordane, alpha-	0.094	0.002 U	0.002 U	0.002 U	0.002 U
Chlordane, beta-	NC	0.002 U	0.002 U	0.002 U	0.002 U
DDD, p,p'-	0.0033	0.002 U	0.002 U	0.002 U	0.002 U
DDE, p,p'-	0.0033	0.002 U	0.002 U	0.002 U	0.002 U
DDT, p,p'-	0.0033	0.002 U	0.002 U	0.002 U	0.002 U
Dieldrin	0.005	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan I	2.4	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan II	2.4	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	NC	0.002 U	0.002 U	0.002 U	0.002 U
Endrin	0.014	0.002 U	0.002 U	0.002 U	0.002 U
Endrin Aldehyde	NC	0.002 U	0.002 U	0.002 U	0.002 U
Endrin Ketone	NC	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor	0.042	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor Epoxide	NC	0.002 U	0.002 U	0.002 U	0.002 U
Lindane (BHC, gamma-)	0.1	0.002 U	0.002 U	0.002 U	0.002 U
Methoxychlor	NC	0.002 U	0.002 U	0.002 U	0.002 U
Toxaphene	NC	0.019 U	0.021 U	0.020 U	0.021 U
Aroclor-1016	0.1	0.020 U	0.021 UJ	0.020 UJ	0.021 UJ
Aroclor-1221	0.1	0.020 U	0.021 UJ	0.020 UJ	0.021 UJ
Aroclor-1232	0.1	0.020 U	0.021 UJ	0.020 UJ	0.021 UJ
Aroclor-1242	0.1	0.020 U	0.021 UJ	0.020 UJ	0.021 UJ
Aroclor-1248	0.1	0.020 U	0.021 UJ	0.020 UJ	0.021 UJ
Aroclor-1254	0.1	0.015 J	0.021 UJ	0.020 UJ	0.021 UJ
Aroclor-1260	0.1	0.020 U	0.021 UJ	0.020 UJ	0.021 UJ

APPENDIX O TABLE 8 - SUBSURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - ON-SITE AREA

Area	NYSDEC	North On-Site	Upgradient	West On-Site		North On-Site
Location	Unrestricted Use	MW-02A(2-3')	MW-04(2-4')	MW-06(0-2')	MW-06(0-2') (DUP)	MW-07(2-4')
Sample Date	SCOs ^(a) (mg/kg)	10/29/2012	11/2/2012	10/31/2012	10/31/2012	11/5/2012
Aldrin	0.005	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
BHC, alpha-	0.02	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U
BHC, beta-	0.036	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U
BHC, delta-	0.04	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
Chlordane	NC	0.038 J	0.032 U	0.030 U	0.060 U	0.035 U
Chlordane, alpha-	0.094	NA	NA	NA	NA	NA
Chlordane, beta-	NC	NA	NA	NA	NA	NA
DDD, p,p'-	0.0033	0.008 U	0.003 U	0.003 U	0.006 U	0.006
DDE, p,p'-	0.0033	0.007	0.003 U	0.003 U	0.006 U	0.004 U
DDT, p,p'-	0.0033	0.003 U	0.003 U	0.003 U	0.006 U	0.004 U
Dieldrin	0.005	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U
Endosulfan I	2.4	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
Endosulfan II	2.4	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
Endosulfan Sulfate	NC	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
Endrin	0.014	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
Endrin Aldehyde	NC	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
Endrin Ketone	NC	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
Heptachlor	0.042	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
Heptachlor Epoxide	NC	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
Lindane (BHC, gamma-)	0.1	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U
Methoxychlor	NC	0.006 U	0.007 U	0.006 U	0.012 U	0.007 U
Toxaphene	NC	0.030 U	0.032 U	0.030 U	0.060 U	0.035 U
Aroclor (Total)	0.1	0.079 J	0.032 UJ	0.030 U	0.056 J	0.035 U
Aroclor-1016	0.1	0.030 U	0.032 U	0.030 U	0.030 U	0.035 U
Aroclor-1221	0.1	0.030 U	0.032 U	0.030 U	0.030 U	0.035 U
Aroclor-1232	0.1	0.030 U	0.032 U	0.030 U	0.030 U	0.035 U
Aroclor-1242	0.1	0.030 U	0.032 U	0.030 U	0.030 U	0.035 U
Aroclor-1248	0.1	0.030 U	0.032 U	0.030 U	0.056 J	0.035 U
Aroclor-1254	0.1	0.079 J	0.032 UJ	0.030 U	0.030 U	0.035 U
Aroclor-1260	0.1	0.030 U	0.032 U	0.030 U	0.030 U	0.035 U
Aroclor-1262	0.1	0.030 U	0.032 U	0.030 U	0.030 U	0.035 U
Aroclor-1268	0.1	0.030 U	0.032 U	0.030 U	0.030 U	0.035 U

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use SCOs. December.

NOTE:

NYSDEC	= New York State Department of Environmental Conservation
SCO	= Soil Cleanup Objective
mg/kg	= Milligrams per kilogram
DUP	= Duplicate field sample.
U	= Not detected; the associated value is the detection limit.
J	= Estimated concentration.
BHC	= Benzene hexachloride
DDD	= Dichlorodiphenyldichloroethane
DDE	= Dichlorodiphenyldichloroethylene
DDT	= Dichlorodiphenyltrichloroethane
NA	= Not analyzed.
NC	= No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8081 and 8082.
Data Validation completed by Data Validation Services.
Bolded concentrations exceed the Unrestricted Use SCOs.
All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 8 - SUBSURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - ON-SITE AREA (CONT'D)

Area	NYSDEC	North On-Site	Ramp			
Location	Unrestricted Use	MW-07(2-4') (DUP)	SB-11(4-6')	SB-12A(0-2')	SB-12A(0-2') (DUP)	SB-13(0-4')
Sample Date	SCOs ^(a) (mg/kg)	11/5/2012	11/6/2012	10/26/2012	10/26/2012	10/25/2012
Aldrin	0.005	0.006 U	0.002 UJ	0.002 U	0.002 U	0.002 U
BHC, alpha-	0.02	0.001 U	0.002 UJ	0.002 U	0.002 U	0.002 U
BHC, beta-	0.036	0.001 U	0.002 UJ	0.002 U	0.002 U	0.002 U
BHC, delta-	0.04	0.006 U	0.002 UJ	0.002 U	0.002 U	0.002 U
Chlordane	NC	0.030 U	NA	NA	NA	NA
Chlordane, alpha-	0.094	NA	0.002 UJ	0.002 U	0.002 U	0.002 U
Chlordane, beta-	NC	NA	0.002 UJ	0.002 U	0.002 U	0.002 U
DDD, p,p'-	0.0033	0.010	0.002 UJ	0.002 U	0.002 U	0.002 U
DDE, p,p'-	0.0033	0.003 U	0.002 UJ	0.002 U	0.002 U	0.002 U
DDT, p,p'-	0.0033	0.003 U	0.002 UJ	0.002 UJ	0.002 UJ	0.002 U
Dieldrin	0.005	0.001 U	0.002 UJ	0.002 U	0.002 U	0.002 U
Endosulfan I	2.4	0.006 U	0.002 UJ	0.002 U	0.002 U	0.002 U
Endosulfan II	2.4	0.006 U	0.002 UJ	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	NC	0.006 U	0.002 UJ	0.002 U	0.002 U	0.002 U
Endrin	0.014	0.006 U	0.002 UJ	0.002 UJ	0.002 UJ	0.002 U
Endrin Aldehyde	NC	0.006 U	0.002 UJ	0.002 U	0.002 U	0.002 U
Endrin Ketone	NC	0.006 U	0.002 UJ	0.002 UJ	0.002 UJ	0.002 U
Heptachlor	0.042	0.006 U	0.002 UJ	0.002 UJ	0.002 UJ	0.002 U
Heptachlor Epoxide	NC	0.006 U	0.002 UJ	0.002 U	0.002 U	0.002 U
Lindane (BHC, gamma-)	0.1	0.001 U	0.002 UJ	0.002 U	0.002 U	0.002 U
Methoxychlor	NC	0.006 U	0.002 UJ	0.002 UJ	0.002 UJ	0.002 U
Toxaphene	NC	0.030 U	0.021 UJ	0.019 U	0.020 U	0.020 U
Aroclor (Total)	0.1	0.030 U	NA	NA	NA	NA
Aroclor-1016	0.1	0.030 U	0.021 UJ	0.019 U	0.020 U	0.020 U
Aroclor-1221	0.1	0.030 U	0.021 UJ	0.019 U	0.020 U	0.020 U
Aroclor-1232	0.1	0.030 U	0.021 UJ	0.019 U	0.020 U	0.020 U
Aroclor-1242	0.1	0.030 U	0.021 UJ	0.019 U	0.020 U	0.020 U
Aroclor-1248	0.1	0.030 U	0.021 UJ	0.019 U	0.020 U	0.020 U
Aroclor-1254	0.1	0.030 U	0.021 UJ	0.024 J	0.020 U	0.020 U
Aroclor-1260	0.1	0.030 U	0.021 UJ	0.019 U	0.020 U	0.020 U
Aroclor-1262	0.1	0.030 U	NA	NA	NA	NA
Aroclor-1268	0.1	0.030 U	NA	NA	NA	NA

PPENDIX O TABLE 8 - SUBSURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - ON-SITE AREA (CONT'D)

Area	NYSDEC	Ramp		North On-Site		
Location	Unrestricted Use	SB-13(8-10')	SB-13(20-22')	SB-14(0-2')	SB-14(0-2') (DUP)	SB-15(0-2')
Sample Date	SCOs ^(a) (mg/kg)	10/25/2012	10/25/2012	10/25/2012	10/25/2012	10/25/2012
Aldrin	0.005	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
BHC, alpha-	0.02	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
BHC, beta-	0.036	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
BHC, delta-	0.04	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Chlordane	NC	NA	NA	NA	NA	NA
Chlordane, alpha-	0.094	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Chlordane, beta-	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
DDD, p,p'-	0.0033	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
DDE, p,p'-	0.0033	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
DDT, p,p'-	0.0033	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Dieldrin	0.005	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan I	2.4	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan II	2.4	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endrin	0.014	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endrin Aldehyde	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endrin Ketone	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor	0.042	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor Epoxide	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Lindane (BHC, gamma-)	0.1	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Methoxychlor	NC	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Toxaphene	NC	0.019 U	0.022 U	0.020 U	0.021 U	0.022 U
Aroclor (Total)	0.1	NA	NA	NA	NA	NA
Aroclor-1016	0.1	0.020 U	0.022 U	0.020 U	0.021 U	0.022 U
Aroclor-1221	0.1	0.020 U	0.022 U	0.020 U	0.021 U	0.022 U
Aroclor-1232	0.1	0.020 U	0.022 U	0.020 U	0.021 U	0.022 U
Aroclor-1242	0.1	0.020 U	0.022 U	0.020 U	0.021 U	0.022 U
Aroclor-1248	0.1	0.020 U	0.022 U	0.020 U	0.021 U	0.022 U
Aroclor-1254	0.1	0.020 U	0.022 U	0.020 U	0.021 U	0.022 U
Aroclor-1260	0.1	0.020 U	0.022 U	0.020 U	0.021 U	0.022 U
Aroclor-1262	0.1	NA	NA	NA	NA	NA
Aroclor-1268	0.1	NA	NA	NA	NA	NA

APPENDIX O TABLE 8 - SUBSURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS -
ON-SITE AREA (CONT'D)

Area Location Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	West On-Site		
		SB-17(2-4')	SB-18(0-2')	SB-18(0-2') (DUP)
		10/25/2012	10/26/2012	10/26/2012
Aldrin	0.005	0.002 U	0.002 U	0.002 U
BHC, alpha-	0.02	0.002 U	0.002 U	0.002 U
BHC, beta-	0.036	0.002 U	0.002 U	0.002 U
BHC, delta-	0.04	0.002 U	0.002 U	0.002 U
Chlordane	NC	NA	NA	NA
Chlordane, alpha-	0.094	0.002 U	0.002 U	0.002 U
Chlordane, beta-	NC	0.002 U	0.002 U	0.002 U
DDD, p,p'-	0.0033	0.002 U	0.002 U	0.002 U
DDE, p,p'-	0.0033	0.002 U	0.002 U	0.002 U
DDT, p,p'-	0.0033	0.002 U	0.002 UJ	0.002 UJ
Dieldrin	0.005	0.002 U	0.002 U	0.002 U
Endosulfan I	2.4	0.002 U	0.002 U	0.002 U
Endosulfan II	2.4	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	NC	0.002 U	0.002 U	0.002 U
Endrin	0.014	0.002 U	0.002 UJ	0.002 UJ
Endrin Aldehyde	NC	0.002 U	0.002 U	0.002 U
Endrin Ketone	NC	0.002 U	0.002 UJ	0.002 UJ
Heptachlor	0.042	0.002 U	0.002 UJ	0.002 UJ
Heptachlor Epoxide	NC	0.002 U	0.002 U	0.002 U
Lindane (BHC, gamma-)	0.1	0.002 U	0.002 U	0.002 U
Methoxychlor	NC	0.002 U	0.002 UJ	0.002 UJ
Toxaphene	NC	0.021 U	0.020 U	0.024 U
Aroclor (Total)	0.1	NA	NA	NA
Aroclor-1016	0.1	0.021 U	0.020 U	0.024 U
Aroclor-1221	0.1	0.021 U	0.020 U	0.024 U
Aroclor-1232	0.1	0.021 U	0.020 U	0.024 U
Aroclor-1242	0.1	0.021 U	0.020 U	0.024 U
Aroclor-1248	0.1	0.021 U	0.020 U	0.024 U
Aroclor-1254	0.1	0.021 U	0.020 U	0.024 U
Aroclor-1260	0.1	0.021 U	0.020 U	0.024 U
Aroclor-1262	0.1	NA	NA	NA
Aroclor-1268	0.1	NA	NA	NA

APPENDIX O TABLE 9 - SURFACE SOIL INORGANIC CONSTITUENT RESULTS - STADIUM PROPERTY

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Athletic Field						
		SS-03	SS-04	SS-05	SS-06	SS-07	SS-20	SS-21
		4/15/2013	4/15/2013	10/24/2012	10/24/2012	10/24/2012	4/15/2013	4/15/2013
Aluminum	NC	4,410 J	3,950 J	6,990	4,600	8,760	8,210 J	8,100 J
Antimony	NC	3.07 UJ	3.06 UJ	1.23 UJ	1.43 UJ	1.31 UJ	3.39 UJ	2.86 UJ
Arsenic	13	3.9	3.51	2.86	7.14	1.79	6.35	3.68
Barium	350	34.9 J	27.6 J	59.6 J	50.5 J	79.4 J	67.4 J	69.9 J
Beryllium	7.2	0.370 U	0.370 U	0.900	0.170	1.22	0.150 J	0.510
Cadmium	2.5	0.370 U	0.370 U	0.590 J	0.690 J	0.690 J	0.410 U	0.340 U
Calcium	NC	14,700 J	25,100 J	89,800 J	7,200 J	98,000 J	11,800 J	31,200 J
Chromium	30	10.4 J	7.05 J	5.67 J	23.9 J	40.5 J	18.6 J	13 J
Cobalt	NC	4.46	5.03	2.38 J	4.98 J	1.9 J	8.9	5.2
Copper	50	11.4 J	10.5 J	9.75 J	21.2 J	11.5 J	17.9 J	10.2 J
Cyanide, Total	27	NA	NA	0.290 U	0.314 U	2.1	NA	NA
Iron	NC	12,600 J	11,800 J	9,570 J	14,400 J	17,800 J	24,300 J	15,800 J
Lead	63	34.4	18.2	69.8 J	65.2 J	54.9 J	65.9	38.8
Magnesium	NC	4,660 J	9,720 J	11,700 J	2,430 J	10,700 J	4,540 J	5,890 J
Manganese	1,600	229 J	216 J	585 J	385 J	1,410 J	398 J	744 J
Mercury	0.18	0.045	0.019	0.028 J	0.069 J	0.022 J	0.051	0.050
Nickel	30	13.9	13.6	8.64 J	15.7 J	7.4 J	28.8	15
Potassium	NC	558 J	549 J	621 J	417 J	649 J	876 J	581 J
Selenium	3.9	1.23 U	1.22 U	1.86	1.99	3.73	0.600 J	0.870 J
Silver	2	0.270 J	0.230 J	0.250 UJ	0.290 UJ	0.260 UJ	0.740	0.500 J
Sodium	NC	123 U	122 U	196 J	57.2 U	257 J	136 U	85.8 J
Thallium	NC	0.520 J	0.400 J	0.580 J	1.35 J	1.54 J	1.03 J	0.480 J
Vanadium	NC	8.90	8.69	8.96	13.6	28.0	16.0	14.9
Zinc	109	90.4 J	77.8 J	97.5	135	68.9	168 J	92.6 J

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil

Cleanup Objectives. December.

NOTE: NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objective
mg/kg = Milligrams per kilogram
DUP = Duplicate field sample.
J = Estimated concentration.
U = Not detected; the associated value is the detection limit.
NA = Not analyzed.
NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000 series and total cyanide by 9010.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the indicated SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 10 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - STADIUM PROPERTY

Area	NYSDEC	Athletic Field							
Sample Name	Unrestricted Use	SB-05(0-2')	SB-05(2-4')	SB-05(2-4') (DUP)	SB-05(4-6')	SB-05(6-8')	SB-06(0-2')	SB-06(2-4')	SB-06(4-6')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Aluminum	NC	7,270	6,890	10,800	8,950	9,340	7,480	6,430	7,980
Antimony	NC	1.39 UJ	1.26 UJ	R	R	R	1.1 UJ	1.23 UJ	1.23 UJ
Arsenic	13	7.32	5.63	8.37	9.46	9.72	5.78	4.58	9.03
Barium	350	93	58.5	94.7	75.2	70.8	67.8	31.7	60.8
Beryllium	7.2	0.280	0.100 J	0.220	0.120 J	0.120 J	0.220	0.140 J	0.130 J
Cadmium	2.5	0.900	0.490 J	0.870	0.550	0.870	0.910	0.480	0.970
Calcium	NC	3,970	1,200 J	3,270	20,300	23,400	2,080	1,530	20,700
Chromium	30	11.0	10.5	17.4	13.4	14.3	12.9	7.32	11.7
Cobalt	NC	6.25 J	10.6 J	15.3 J	16.5 J	12 J	10.5 J	5.51 J	17.8 J
Copper	50	25.7 J	12.9 J	24.1 J	26.1 J	28.7 J	17.5 J	13.3 J	26.5 J
Cyanide, Total	27	NA	0.095 J	0.193 J	NA	NA	NA	0.590	NA
Iron	NC	21,400	18,400 J	34,400	33,000	34,000	25,900	14,700	25,900
Lead	63	53.7	11.3 J	22.0	24.2	20.9	24.3	21.1	20.1
Magnesium	NC	1,780	1,500 J	4,280	8,580	9,340	2,740	983	7,760
Manganese	1,600	299 J	396 J	309 J	524 J	357 J	248 J	240 J	519 J
Mercury	0.18	0.017	0.040	0.024	0.018	0.016	0.046	0.040	0.017
Nickel	30	18.6	16.3 J	46.3	44.4	40.8	30.8	14.8	38.7
Potassium	NC	363	222 J	513	709	1,050	386	218	691
Selenium	3.9	0.560 U	0.500 U	0.340 J	0.330 J	0.510 U	0.430 J	0.250 J	0.490 U
Silver	2	0.270 J	0.250 UJ	1.09	0.980	0.890	0.610	0.210 J	0.290
Sodium	NC	41.9 J	50.2 U	51.4 U	51.6 U	51.3 U	3.28 J	74.5	197
Thallium	NC	0.800 J	0.610 J	1.32	1.59	1.45	1.04	0.440 J	1.22
Vanadium	NC	16.9	16.8	17.3	15.2	16.0	12.9	12.0	14.1
Zinc	109	78.1	29.1 J	86.0	76.3	80.1	78.0	42.0	65.4

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil

Cleanup Objectives. December.

NOTE: NYSDEC = New York State Department of Environmental Conservation
 SCO = Soil Cleanup Objective
 mg/kg = Milligrams per kilogram
 DUP = Duplicate field sample.
 J = Estimated concentration.
 R = The data are rejected.
 U = Not detected; the associated value is the detection limit.
 NA = Not analyzed.
 NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000 series and total cyanide by 9010.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the indicated SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 10 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - STADIUM PROPERTY (CONT'D)

Area	NYSDEC	Athletic Field							
Sample Name	Unrestricted Use	SB-06(6-8')	SB-07(0-2')	SB-07(2-4')	SB-07(4-6')	SB-07(6-8')	SB-20(0-2')	SB-20(2-4')	SB-21(0-2')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	4/16/2013	4/16/2013	4/16/2013
Aluminum	NC	9,200	5,930	6,350	11,000	9,150	13,400 J	5,520 J	3,370 J
Antimony	NC	1.3 UJ	1.23 UJ	1.29 UJ	1.31 UJ	1.3 UJ	2.73 UJ	2.66 UJ	2.55 UJ
Arsenic	13	11.5	6.43	8.14	9.99	7.78	4.94	6.11	3.42 J
Barium	350	60.6	65.0	87.9	93.1	91.0	92.7	51.6	33.7 J
Beryllium	7.2	0.130 J	0.110 J	0.080 J	0.190	0.160	0.380 J	0.130 J	0.100 J
Cadmium	2.5	1.18	1.52	0.730	1.14	0.930	0.330 U	0.320 U	0.310 U
Calcium	NC	22,700	18,800	4,090	22,700	20,000	2,270 J	1,670 J	19,800 J
Chromium	30	13.8	13.1	7.57	15.7	13.7	22.1	9.3	3.98 J
Cobalt	NC	13.5 J	7.21 J	10 J	21.1 J	16.2 J	12.4 J	7.33 J	1.63 J
Copper	50	29.5 J	29.7 J	17.6 J	28.3 J	28.8 J	13.2	10	6.27 J
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	32,600	19,200	19,300	33,600	27,100	31,900 J	19,900 J	6,610 J
Lead	63	23.1	120	22.9	25.4	25.1	14.9	8.65	35 J
Magnesium	NC	9,560	4,420	1,100	9,330	8,400	4,270 J	1,530 J	2,570 J
Manganese	1,600	277 J	722 J	1,260 J	676 J	623 J	276 J	186 J	122 J
Mercury	0.18	0.016	0.196	0.050	0.008 J	0.023	0.059	0.021	0.063
Nickel	30	40.0	20.8	13.4	51.8	50.8	40.9	19.8	5.72 J
Potassium	NC	1,040	692	382	941	930	759	280	233 J
Selenium	3.9	0.520 U	0.330 J	0.930	0.520 U	0.520 U	0.830 J	1.06 UJ	1.02 UJ
Silver	2	0.640	0.180 J	0.280	0.660	0.490	1.04	0.820	0.510 U
Sodium	NC	185	437	1,740	5,840	7,990	109 UJ	14.9 J	220 J
Thallium	NC	1.28	0.980 J	1.26	1.51	1.25	1.33 J	0.670 J	2.04 U
Vanadium	NC	16.6	13.4	11.5	18.3	16.6	21.0	13.4	6 J
Zinc	109	78.1	141	51.2	76.3	80.5	97.1 J	48.1 J	51 J

APPENDIX O TABLE 10 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - STADIUM PROPERTY (CONT'D)

Area	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Athletic Field	
Sample Name		SB-21(0-2') (DUP)	SB-21(2-4')
Sample Date		4/16/2013	4/16/2013
Aluminum	NC	7,470 J	5,550 J
Antimony	NC	2.89 UJ	2.56 UJ
Arsenic	13	6.79 J	2.25
Barium	350	67.2 J	31.2
Beryllium	7.2	0.230 J	0.240 J
Cadmium	2.5	0.350 U	0.310 U
Calcium	NC	14,900 J	1,380 J
Chromium	30	11.5 J	8.95
Cobalt	NC	4.36 J	6.76 J
Copper	50	38.5 J	12.6
Cyanide, Total	27	NA	NA
Iron	NC	18,200 J	14,700 J
Lead	63	125 J	8.68
Magnesium	NC	2,910 J	1,710 J
Manganese	1,600	212 J	67.4 J
Mercury	0.18	0.065	0.019
Nickel	30	17.1 J	21.1
Potassium	NC	519 J	251
Selenium	3.9	1.16 UJ	1.03 UJ
Silver	2	0.520 J	0.610
Sodium	NC	315 J	321 J
Thallium	NC	0.720 J	0.340 J
Vanadium	NC	14.1 J	10.6
Zinc	109	183 J	50.6 J

APPENDIX O, TABLE 11 - SURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - STADIUM PROPERTY

Area	NYSDEC	Athletic Field		
Sample Name	Unrestricted Use	SS-05	SS-06	SS-07
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012
Acetone	0.05	0.029 U	0.031 U	0.030 U
Benzene	0.06	0.006 U	0.006 U	0.006 U
Bromochloromethane	NC	0.006 U	0.006 U	0.006 U
Bromodichloromethane	NC	0.006 U	0.006 U	0.006 U
Bromoform	NC	0.006 U	0.006 U	0.006 U
Bromomethane	NC	0.006 U	0.006 U	0.006 U
2-Butanone	0.12	0.029 U	0.031 U	0.030 U
Carbon disulfide	NC	0.006 U	0.006 U	0.006 U
Carbon tetrachloride	0.76	0.006 U	0.006 U	0.006 U
Chlorobenzene	1.1	0.006 U	0.006 U	0.006 U
Chlorodibromomethane	NC	0.006 U	0.006 U	0.006 U
Chloroethane	NC	0.006 U	0.006 U	0.006 U
Chloroform	0.37	0.006 U	0.006 U	0.006 U
Chloromethane	NC	0.006 U	0.006 U	0.006 U
Cyclohexane	NC	0.006 U	0.006 U	0.006 U
1,2-Dibromo-3-chloropropane	NC	0.006 UJ	0.006 U	0.006 U
1,2-Dibromoethane	NC	0.006 U	0.006 U	0.006 U
1,2-Dichlorobenzene	1.1	0.006 UJ	0.006 U	0.006 U
1,3-Dichlorobenzene	2.4	0.006 UJ	0.006 U	0.006 U
1,4-Dichlorobenzene	1.8	0.006 UJ	0.006 U	0.006 U
Dichlorodifluoromethane	NC	0.006 U	0.006 U	0.006 U
1,1-Dichloroethane	0.27	0.006 U	0.006 U	0.006 U
1,2-Dichloroethane	0.02	0.006 U	0.006 U	0.006 U
1,1-Dichloroethene	0.33	0.006 U	0.006 U	0.006 U
cis-1,2-Dichloroethene	0.25	0.006 U	0.006 U	0.006 U
trans-1,2-Dichloroethene	0.19	0.006 U	0.006 U	0.006 U
(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December. NOTE: NYSDEC = New York State Department of Environmental Conservation SCO = Soil Cleanup Objective mg/kg = Milligrams per kilogram J = Estimated concentration. U = Not detected; the associated value is the detection limit. NC = No criterion available. Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260. Data Validation completed by Data Validation Services. All concentrations reported in mg/kg equivalent to parts per million (ppm).				

APPENDIX O, TABLE 11 - SURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - STADIUM PROPERTY

Area	NYSDEC	Athletic Field		
Sample Name	Unrestricted Use	SS-05	SS-06	SS-07
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012
1,2-Dichloropropane	NC	0.006 U	0.006 U	0.006 U
cis-1,3-Dichloropropene	NC	0.006 U	0.006 U	0.006 U
trans-1,3-Dichloropropene	NC	0.006 U	0.006 U	0.006 U
Ethylbenzene	1	0.006 U	0.006 U	0.006 U
2-Hexanone	NC	0.029 U	0.031 U	0.030 U
Isopropylbenzene	NC	0.006 UJ	0.006 U	0.006 U
Methyl acetate	NC	0.006 U	0.006 U	0.006 U
Methyl cyclohexane	NC	0.006 U	0.006 U	0.006 U
Methyl tert-butyl ether	0.93	0.006 U	0.006 U	0.006 U
4-Methyl-2-pentanone	NC	0.029 U	0.031 U	0.030 U
Methylene chloride	0.05	0.006 U	0.006 U	0.006 U
Styrene	NC	0.006 U	0.006 U	0.006 U
1,1,2,2-Tetrachloroethane	NC	0.006 UJ	0.006 U	0.006 U
Tetrachloroethene	1.3	0.006 U	0.006 U	0.006 U
Toluene	0.7	0.006 U	0.006 U	0.006 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NC	0.006 U	0.006 U	0.006 U
1,2,3-Trichlorobenzene	NC	0.006 UJ	0.006 U	0.006 U
1,2,4-Trichlorobenzene	NC	0.006 UJ	0.006 U	0.006 U
1,1,1-Trichloroethane	0.68	0.006 U	0.006 U	0.006 U
1,1,2-Trichloroethane	NC	0.006 U	0.006 U	0.006 U
Trichloroethene	0.47	0.006 U	0.006 U	0.006 U
Trichlorofluoromethane	NC	0.006 U	0.006 U	0.006 U
Vinyl chloride	0.02	0.006 U	0.006 U	0.006 U
Xylene, o	0.26	0.006 U	0.006 U	0.006 U
Xylenes, m+p	0.26	0.012 U	0.012 U	0.012 U

APPENDIX O, TABLE 12 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - STADIUM PROPERTY

Area	NYSDEC	Athletic Field		
Sample Name	Unrestricted Use	SB-05(2-4')	SB-05(2-4') (DUP)	SB-06(2-4')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	10/26/2012	10/26/2012
Acetone	0.05	0.030 U	0.030 U	0.029 U
Benzene	0.06	0.006 U	0.006 U	0.006 U
Bromochloromethane	NC	0.006 U	0.006 U	0.006 U
Bromodichloromethane	NC	0.006 U	0.006 U	0.006 U
Bromoform	NC	0.006 U	0.006 U	0.006 U
Bromomethane	NC	0.006 U	0.006 U	0.006 U
2-Butanone	0.12	0.030 U	0.030 U	0.029 U
Carbon disulfide	NC	0.006 U	0.006 U	0.006 U
Carbon tetrachloride	0.76	0.006 U	0.006 U	0.006 U
Chlorobenzene	1.1	0.006 U	0.006 U	0.006 U
Chlorodibromomethane	NC	0.006 U	0.006 U	0.006 U
Chloroethane	NC	0.006 U	0.006 U	0.006 U
Chloroform	0.37	0.006 U	0.006 U	0.006 U
Chloromethane	NC	0.006 U	0.006 U	0.006 U
Cyclohexane	NC	0.006 U	0.006 U	0.006 U
1,2-Dibromo-3-chloropropane	NC	0.006 U	0.006 U	0.006 U
1,2-Dibromoethane	NC	0.006 U	0.006 U	0.006 U
1,2-Dichlorobenzene	1.1	0.006 U	0.006 U	0.006 U
1,3-Dichlorobenzene	2.4	0.006 U	0.006 U	0.006 U
1,4-Dichlorobenzene	1.8	0.006 U	0.006 U	0.006 U
Dichlorodifluoromethane	NC	0.006 U	0.006 U	0.006 U
1,1-Dichloroethane	0.27	0.006 U	0.006 U	0.006 U
1,2-Dichloroethane	0.02	0.006 U	0.006 U	0.006 U
1,1-Dichloroethene	0.33	0.006 U	0.006 U	0.006 U
cis-1,2-Dichloroethene	0.25	0.006 U	0.006 U	0.006 U
trans-1,2-Dichloroethene	0.19	0.006 U	0.006 U	0.006 U
(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December. NOTE: NYSDEC = New York State Department of Environmental Conservation SCO = Soil Cleanup Objective mg/kg = Milligrams per kilogram J = Estimated concentration. U = Not detected; the associated value is the detection limit. NC = No criterion available. Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260. Data Validation completed by Data Validation Services. All concentrations reported in mg/kg equivalent to parts per million (ppm).				

APPENDIX O, TABLE 12 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - STADIUM PROPERTY

Area	NYSDEC	Athletic Field		
Sample Name	Unrestricted Use	SB-05(2-4')	SB-05(2-4') (DUP)	SB-06(2-4')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	10/26/2012	10/26/2012
1,2-Dichloropropane	NC	0.006 U	0.006 U	0.006 U
cis-1,3-Dichloropropene	NC	0.006 U	0.006 U	0.006 U
trans-1,3-Dichloropropene	NC	0.006 U	0.006 U	0.006 U
Ethylbenzene	1	0.006 U	0.002 J	0.006 U
2-Hexanone	NC	0.030 U	0.030 U	0.029 U
Isopropylbenzene	NC	0.006 U	0.006 U	0.006 U
Methyl acetate	NC	0.006 U	0.006 U	0.006 U
Methyl cyclohexane	NC	0.006 U	0.006 U	0.006 U
Methyl tert-butyl ether	0.93	0.006 U	0.006 U	0.006 U
4-Methyl-2-pentanone	NC	0.030 U	0.030 U	0.029 U
Methylene chloride	0.05	0.006 U	0.007 U	0.011 U
Styrene	NC	0.006 U	0.006 U	0.006 U
1,1,2,2-Tetrachloroethane	NC	0.006 U	0.006 U	0.006 U
Tetrachloroethene	1.3	0.006 U	0.006 U	0.006 U
Toluene	0.7	0.006 U	0.006 U	0.006 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NC	0.006 U	0.006 U	0.006 U
1,2,3-Trichlorobenzene	NC	0.006 U	0.006 U	0.006 U
1,2,4-Trichlorobenzene	NC	0.006 U	0.006 U	0.006 U
1,1,1-Trichloroethane	0.68	0.006 U	0.006 U	0.006 U
1,1,2-Trichloroethane	NC	0.006 U	0.006 U	0.006 U
Trichloroethene	0.47	0.006 U	0.006 U	0.006 U
Trichlorofluoromethane	NC	0.006 U	0.006 U	0.006 U
Vinyl chloride	0.02	0.006 U	0.006 U	0.006 U
Xylene, o	0.26	0.006 U	0.006 U	0.006 U
Xylenes, m+p	0.26	0.012 U	0.002 J	0.012 U

APPENDIX O TABLE 13 - SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - STADIUM PROPERTY

Area	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Athletic Field		
Sample Name		SS-05	SS-06	SS-07
Sample Date		10/24/2012	10/24/2012	10/24/2012
Acenaphthene	20	7.7 U	0.410 U	7.8 U
Acenaphthylene	100	7.7 U	0.410 U	7.8 U
Anthracene	100	7.7 U	0.410 U	7.8 U
Benzaldehyde	NC	7.7 U	0.410 U	7.8 U
Benzo(a)anthracene	1	7.7 U	0.190 J	7.8 U
Benzo(a)pyrene	1	7.7 U	0.410 U	7.8 U
Benzo(b)fluoranthene	1	7.7 U	0.230 J	7.8 U
Benzo(g,h,i)perylene	100	7.7 U	0.410 U	7.8 U
Benzo(k)fluoranthene	0.8	7.7 U	0.410 U	7.8 U
1,1'-Biphenyl	NC	7.7 U	0.410 U	7.8 U
bis(2-Chloroethoxy)methane	NC	7.7 U	0.410 U	7.8 U
bis(2-Chloroethyl)ether	NC	7.7 U	0.410 U	7.8 U
bis(2-Chloroisopropyl)ether	NC	7.7 U	0.410 U	7.8 U
bis(2-Ethylhexyl)phthalate	NC	7.7 U	0.410 U	7.8 U
4-Bromophenyl-phenylether	NC	7.7 U	0.410 U	7.8 U
Butylbenzylphthalate	NC	7.7 U	0.410 U	7.8 U
Carbazole	NC	7.7 U	0.410 U	7.8 U
4-Chloro-3-methylphenol	NC	7.7 U	0.410 U	7.8 U
4-Chloroaniline	NC	7.7 U	0.410 U	7.8 U
2-Chloronaphthalene	NC	7.7 U	0.410 U	7.8 U
2-Chlorophenol	NC	7.7 U	0.410 U	7.8 U
4-Chlorophenyl-phenylether	NC	7.7 U	0.410 U	7.8 U
Chrysene	1	7.7 U	0.200 J	7.8 U
Dibenzo(a,h)anthracene	0.33	7.7 U	0.410 U	7.8 U
Dibenzofuran	7	7.7 U	0.410 U	7.8 U
3,3'-Dichlorobenzidine	NC	7.7 U	0.410 U	7.8 U
2,4-Dichlorophenol	NC	7.7 U	0.410 U	7.8 U
(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December. NOTE: NYSDEC = New York State Department of Environmental Conservation SCO = Soil Cleanup Objective mg/kg = Milligrams per kilogram J = Estimated concentration. U = Not detected; the associated value is the detection limit. NC = No criterion available. Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8270. Data Validation completed by Data Validation Services. All concentrations reported in mg/kg equivalent to parts per million (ppm).				

APPENDIX O TABLE 13 - SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - STADIUM PROPERTY

Area	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Athletic Field		
Sample Name		SS-05	SS-06	SS-07
Sample Date		10/24/2012	10/24/2012	10/24/2012
Diethylphthalate	NC	7.7 U	0.410 U	7.8 U
2,4-Dimethylphenol	NC	7.7 U	0.410 U	7.8 U
Dimethylphthalate	NC	7.654 U	0.618	7.847 U
Di-n-butylphthalate	NC	7.7 U	0.410 U	7.8 U
4,6-Dinitro-2-methylphenol	NC	7.7 U	0.410 U	7.8 U
2,4-Dinitrophenol	NC	7.7 U	0.410 U	7.8 U
2,4-Dinitrotoluene	NC	7.7 U	0.410 U	7.8 U
2,6-Dinitrotoluene	NC	7.7 U	0.410 U	7.8 U
Di-n-octylphthalate	NC	7.7 U	0.410 U	7.8 U
Fluoranthene	100	7.7 U	0.400 J	7.8 U
Fluorene	NC	7.7 U	0.410 U	7.8 U
Hexachlorobenzene	0.33	7.7 U	0.410 U	7.8 U
Hexachlorocyclopentadiene	NC	7.7 U	0.410 U	7.8 U
Hexachloroethane	NC	7.7 U	0.410 U	7.8 U
Indeno(1,2,3-cd)pyrene	0.5	7.7 U	0.410 U	7.8 U
Isophorone	NC	7.7 U	0.410 U	7.8 U
2-Methylnaphthalene	NC	7.7 U	0.410 U	7.8 U
2-Methylphenol	0.33	7.7 U	0.410 U	7.8 U
3&4-Methylphenol	0.33	7.7 U	0.410 U	7.8 U
Naphthalene	12	7.7 U	0.410 U	7.8 U
2-Nitroaniline	NC	7.7 U	0.410 U	7.8 U
3-Nitroaniline	NC	7.7 U	0.410 U	7.8 U
4-Nitroaniline	NC	7.7 U	0.410 U	7.8 U
Nitrobenzene	NC	7.7 U	0.410 U	7.8 U
2-Nitrophenol	NC	7.7 U	0.410 U	7.8 U
4-Nitrophenol	NC	7.7 U	0.410 U	7.8 U
N-Nitroso-di-n-propylamine	NC	7.7 U	0.410 U	7.8 U
N-Nitrosodiphenylamine	NC	7.7 U	0.410 U	7.8 U
Pentachlorophenol	0.8	7.7 U	0.410 U	7.8 U
Phenanthrene	100	7.7 U	0.250 J	7.8 U
Phenol	0.33	7.7 U	0.410 U	7.8 U
Pyrene	100	7.7 U	0.310 J	7.8 U
2,3,4,6-Tetrachlorophenol	NC	7.7 U	0.410 U	7.8 U
2,4,5-Trichlorophenol	NC	7.7 U	0.410 U	7.8 U
2,4,6-Trichlorophenol	NC	7.7 U	0.410 U	7.8 U

APPENDIX O TABLE 14 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - STADIUM PROPERTY

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a)	Athletic Field								
		SB-05(0-2')	SB-05(2-4')	SB-05(2-4') (DUP)	SB-05(4-6')	SB-05(6-8')	SB-06(0-2')	SB-06(2-4')	SB-06(4-6')	SB-06(6-8')
		10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Acenaphthene	20	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Acenaphthylene	100	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Anthracene	100	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Benzaldehyde	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.470	0.380 U	0.400 U	0.400 U
Benzo(a)anthracene	1	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Benzo(a)pyrene	1	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Benzo(b)fluoranthene	1	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Benzo(g,h,i)perylene	100	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Benzo(k)fluoranthene	0.8	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
1,1'-Biphenyl	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
bis(2-Chloroethoxy)methane	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
bis(2-Chloroethyl)ether	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
bis(2-Chloroisopropyl)ether	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
bis(2-Ethylhexyl)phthalate	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
4-Bromophenyl-phenylether	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Butylbenzylphthalate	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Carbazole	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
4-Chloro-3-methylphenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
4-Chloroaniline	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2-Chloronaphthalene	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2-Chlorophenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
4-Chlorophenyl-phenylether	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Chrysene	1	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Dibenzo(a,h)anthracene	0.33	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Dibenzofuran	7	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
3,3'-Dichlorobenzidine	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2,4-Dichlorophenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use

Soil Cleanup Objectives. December.

NOTE:

NYSDEC = New York State Department of Environmental Conservation

SCO = Soil Cleanup Objective

mg/kg = Milligrams per kilogram

DUP = Duplicate field sample.

J = Estimated concentration.

U = Not detected; the associated value is the detection limit.

NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8270.

Data Validation completed by Data Validation Services.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 14 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - STADIUM PROPERTY (CONT'D)

Area	NYSDEC	Athletic Field			
Sample Name	Unrestricted Use	SB-07(0-2')	SB-07(2-4')	SB-07(4-6')	SB-07(6-8')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Acenaphthene	20	0.400 U	0.410 U	0.410 U	0.400 U
Acenaphthylene	100	0.400 U	0.410 U	0.410 U	0.400 U
Anthracene	100	0.400 U	0.410 U	0.410 U	0.400 U
Benzaldehyde	NC	0.400 U	0.410 U	0.410 U	0.400 U
Benzo(a)anthracene	1	0.170 J	0.410 U	0.410 U	0.400 U
Benzo(a)pyrene	1	0.160 J	0.410 U	0.410 U	0.400 U
Benzo(b)fluoranthene	1	0.250 J	0.410 U	0.410 U	0.400 U
Benzo(g,h,i)perylene	100	0.400 U	0.410 U	0.410 U	0.400 U
Benzo(k)fluoranthene	0.8	0.400 U	0.410 U	0.410 U	0.400 U
1,1'-Biphenyl	NC	0.400 U	0.410 U	0.410 U	0.400 U
bis(2-Chloroethoxy)methane	NC	0.400 U	0.410 U	0.410 U	0.400 U
bis(2-Chloroethyl)ether	NC	0.400 U	0.410 U	0.410 U	0.400 U
bis(2-Chloroisopropyl)ether	NC	0.400 U	0.410 U	0.410 U	0.400 U
bis(2-Ethylhexyl)phthalate	NC	0.400 U	0.410 U	0.410 U	0.400 U
4-Bromophenyl-phenylether	NC	0.400 U	0.410 U	0.410 U	0.400 U
Butylbenzylphthalate	NC	0.400 U	0.410 U	0.410 U	0.400 U
Carbazole	NC	0.400 U	0.410 U	0.410 U	0.400 U
4-Chloro-3-methylphenol	NC	0.400 U	0.410 U	0.410 U	0.400 U
4-Chloroaniline	NC	0.400 U	0.410 U	0.410 U	0.400 U
2-Chloronaphthalene	NC	0.400 U	0.410 U	0.410 U	0.400 U
2-Chlorophenol	NC	0.400 U	0.410 U	0.410 U	0.400 U
4-Chlorophenyl-phenylether	NC	0.400 U	0.410 U	0.410 U	0.400 U
Chrysene	1	0.190 J	0.410 U	0.410 U	0.400 U
Dibenzo(a,h)anthracene	0.33	0.400 U	0.410 U	0.410 U	0.400 U
Dibenzofuran	7	0.400 U	0.410 U	0.410 U	0.400 U
3,3'-Dichlorobenzidine	NC	0.400 U	0.410 U	0.410 U	0.400 U
2,4-Dichlorophenol	NC	0.400 U	0.410 U	0.410 U	0.400 U

APPENDIX O TABLE 14 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - STADIUM PROPERTY

Area	NYSDEC	Athletic Field								
Sample Name	Unrestricted	SB-05(0-2')	SB-05(2-4')	SB-05(2-4') (DUP)	SB-05(4-6')	SB-05(6-8')	SB-06(0-2')	SB-06(2-4')	SB-06(4-6')	SB-06(6-8')
Sample Date	Use SCOs ^(a)	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Diethylphthalate	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2,4-Dimethylphenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Dimethylphthalate	NC	8.217 U	0.390 U	0.397 U	0.214 J	0.402 U	0.192 J	0.383 U	0.228 J	0.397 U
Di-n-butylphthalate	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
4,6-Dinitro-2-methylphenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2,4-Dinitrophenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2,4-Dinitrotoluene	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2,6-Dinitrotoluene	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Di-n-octylphthalate	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Fluoranthene	100	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Fluorene	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Hexachlorobenzene	0.33	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Hexachlorocyclopentadiene	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Hexachloroethane	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Indeno(1,2,3-cd)pyrene	0.5	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Isophorone	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2-Methylnaphthalene	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2-Methylphenol	0.33	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
3&4-Methylphenol	0.33	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Naphthalene	12	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2-Nitroaniline	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
3-Nitroaniline	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
4-Nitroaniline	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Nitrobenzene	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2-Nitrophenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
4-Nitrophenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
N-Nitroso-di-n-propylamine	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
N-Nitrosodiphenylamine	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Pentachlorophenol	0.8	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Phenanthrene	100	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Phenol	0.33	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
Pyrene	100	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2,3,4,6-Tetrachlorophenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2,4,5-Trichlorophenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U
2,4,6-Trichlorophenol	NC	8.2 U	0.390 U	0.400 U	0.400 U	0.400 U	0.420 U	0.380 U	0.400 U	0.400 U

APPENDIX O TABLE 14 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - STADIUM PROPERTY (CONT'D)

Area	NYSDEC	Athletic Field			
Sample Name	Unrestricted Use	SB-07(0-2')	SB-07(2-4')	SB-07(4-6')	SB-07(6-8')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Diethylphthalate	NC	0.400 U	0.410 U	0.410 U	0.400 U
2,4-Dimethylphenol	NC	0.400 U	0.410 U	0.410 U	0.400 U
Dimethylphthalate	NC	0.180 J	0.197 J	0.199 J	0.397 U
Di-n-butylphthalate	NC	0.400 U	0.410 U	0.410 U	0.400 U
4,6-Dinitro-2-methylphenol	NC	0.400 U	0.410 U	0.410 U	0.400 U
2,4-Dinitrophenol	NC	0.400 U	0.410 U	0.410 U	0.400 U
2,4-Dinitrotoluene	NC	0.400 U	0.410 U	0.410 U	0.400 U
2,6-Dinitrotoluene	NC	0.400 U	0.410 U	0.410 U	0.400 U
Di-n-octylphthalate	NC	0.400 U	0.410 U	0.410 U	0.400 U
Fluoranthene	100	0.300 J	0.410 U	0.410 U	0.400 U
Fluorene	NC	0.400 U	0.410 U	0.410 U	0.400 U
Hexachlorobenzene	0.33	0.400 U	0.410 U	0.410 U	0.400 U
Hexachlorocyclopentadiene	NC	0.400 U	0.410 U	0.410 U	0.400 U
Hexachloroethane	NC	0.400 U	0.410 U	0.410 U	0.400 U
Indeno(1,2,3-cd)pyrene	0.5	0.400 U	0.410 U	0.410 U	0.400 U
Isophorone	NC	0.400 U	0.410 U	0.410 U	0.400 U
2-Methylnaphthalene	NC	0.400 U	0.410 U	0.410 U	0.400 U
2-Methylphenol	0.33	0.400 U	0.410 U	0.410 U	0.400 U
3&4-Methylphenol	0.33	0.400 U	0.410 U	0.410 U	0.400 U
Naphthalene	12	0.400 U	0.410 U	0.410 U	0.400 U
2-Nitroaniline	NC	0.400 U	0.410 U	0.410 U	0.400 U
3-Nitroaniline	NC	0.400 U	0.410 U	0.410 U	0.400 U
4-Nitroaniline	NC	0.400 U	0.410 U	0.410 U	0.400 U
Nitrobenzene	NC	0.400 U	0.410 U	0.410 U	0.400 U
2-Nitrophenol	NC	0.400 U	0.410 U	0.410 U	0.400 U
4-Nitrophenol	NC	0.400 U	0.410 U	0.410 U	0.400 U
N-Nitroso-di-n-propylamine	NC	0.400 U	0.410 U	0.410 U	0.400 U
N-Nitrosodiphenylamine	NC	0.400 U	0.410 U	0.410 U	0.400 U
Pentachlorophenol	0.8	0.400 U	0.410 U	0.410 U	0.400 U
Phenanthrene	100	0.400 U	0.410 U	0.410 U	0.400 U
Phenol	0.33	0.400 U	0.410 U	0.410 U	0.400 U
Pyrene	100	0.240 J	0.410 U	0.410 U	0.400 U
2,3,4,6-Tetrachlorophenol	NC	0.400 U	0.410 U	0.410 U	0.400 U
2,4,5-Trichlorophenol	NC	0.400 U	0.410 U	0.410 U	0.400 U
2,4,6-Trichlorophenol	NC	0.400 U	0.410 U	0.410 U	0.400 U

APPENDIX O TABLE 15 - SURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - STADIUM PROPERTY

Area	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Athletic Field		
Sample Name		SS-05	SS-06	SS-07
Sample Date		10/24/2012	10/24/2012	10/24/2012
Aldrin	0.005	0.002 U	0.002 U	0.002 U
BHC, alpha-	0.02	0.002 U	0.002 U	0.002 U
BHC, beta-	0.036	0.002 U	0.002 U	0.002 U
BHC, delta-	0.04	0.002 U	0.002 U	0.002 U
Chlordane, alpha-	0.094	0.002 U	0.002 U	0.002 U
Chlordane, beta-	NC	0.002 U	0.002 U	0.002 U
DDD, p,p'-	0.0033	0.002 U	0.002 U	0.002 U
DDE, p,p'-	0.0033	0.002 U	0.002 U	0.002 U
DDT, p,p'-	0.0033	0.002 U	0.002 U	0.002 U
Dieldrin	0.005	0.002 U	0.002 U	0.002 U
Endosulfan I	2.4	0.002 U	0.002 U	0.002 U
Endosulfan II	2.4	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	NC	0.002 U	0.002 U	0.002 U
Endrin	0.014	0.002 U	0.002 U	0.002 U
Endrin Aldehyde	NC	0.002 U	0.002 U	0.002 U
Endrin Ketone	NC	0.002 U	0.002 U	0.002 U
Heptachlor	0.042	0.002 U	0.002 U	0.002 U
Heptachlor Epoxide	NC	0.002 U	0.002 U	0.002 U
Lindane (BHC, gamma-)	0.1	0.002 U	0.002 U	0.002 U
Methoxychlor	NC	0.002 U	0.002 U	0.002 U
Toxaphene	NC	0.020 U	0.021 U	0.020 U
Aroclor-1016	0.1	0.020 UJ	0.021 UJ	0.020 UJ
Aroclor-1221	0.1	0.020 UJ	0.021 UJ	0.020 UJ
Aroclor-1232	0.1	0.020 UJ	0.021 UJ	0.020 UJ
Aroclor-1242	0.1	0.020 UJ	0.021 UJ	0.020 UJ
Aroclor-1248	0.1	0.020 UJ	0.021 UJ	0.020 UJ
Aroclor-1254	0.1	0.016 J	0.021 UJ	0.020 UJ
Aroclor-1260	0.1	0.020 UJ	0.021 UJ	0.020 UJ

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use SCOs. December.

NOTE:

NYSDEC	= New York State Department of Environmental Conservation
SCO	= Soil Cleanup Objective
mg/kg	= Milligrams per kilogram
DUP	= Duplicate field sample.
U	= Not detected; the associated value is the detection limit.
J	= Estimated concentration.
BHC	= Benzene hexachloride
DDD	= Dichlorodiphenyldichloroethane
DDE	= Dichlorodiphenyldichloroethylene
DDT	= Dichlorodiphenyltrichloroethane
NC	= No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8081 and 8082.
Data Validation completed by Data Validation Services.
All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 16 - SUBSURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - STADIUM PROPERTY

Area	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Athletic Field		
Sample Name		SB-05(2-4')	SB-05(2-4') (DUP)	SB-06(2-4')
Sample Date		10/26/2012	10/26/2012	10/26/2012
Aldrin	0.005	0.002 U	0.002 U	0.002 U
BHC, alpha-	0.02	0.002 U	0.002 U	0.002 U
BHC, beta-	0.036	0.002 U	0.002 U	0.002 U
BHC, delta-	0.04	0.002 U	0.002 U	0.002 U
Chlordane, alpha-	0.094	0.002 U	0.002 U	0.002 U
Chlordane, beta-	NC	0.002 U	0.002 U	0.002 U
DDD, p,p'-	0.0033	0.002 U	0.002 U	0.002 U
DDE, p,p'-	0.0033	0.002 U	0.002 U	0.002 U
DDT, p,p'-	0.0033	0.002 U	0.002 U	0.002 U
Dieldrin	0.005	0.002 U	0.002 U	0.002 U
Endosulfan I	2.4	0.002 U	0.002 U	0.002 U
Endosulfan II	2.4	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	NC	0.002 U	0.002 U	0.002 U
Endrin	0.014	0.002 U	0.002 U	0.002 U
Endrin Aldehyde	NC	0.002 U	0.002 U	0.002 U
Endrin Ketone	NC	0.002 U	0.002 U	0.002 U
Heptachlor	0.042	0.002 U	0.002 U	0.002 U
Heptachlor Epoxide	NC	0.002 U	0.002 U	0.002 U
Lindane (BHC, gamma-)	0.1	0.002 U	0.002 U	0.002 U
Methoxychlor	NC	0.002 U	0.002 U	0.002 U
Toxaphene	NC	0.020 U	0.021 U	0.020 U
Aroclor-1016	0.1	0.020 U	0.020 U	0.020 U
Aroclor-1221	0.1	0.020 U	0.020 U	0.020 U
Aroclor-1232	0.1	0.020 U	0.020 U	0.020 U
Aroclor-1242	0.1	0.020 U	0.020 U	0.020 U
Aroclor-1248	0.1	0.020 U	0.020 U	0.020 U
Aroclor-1254	0.1	0.020 U	0.020 U	0.020 U
Aroclor-1260	0.1	0.020 U	0.020 U	0.020 U

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental

Remediation Programs. Unrestricted Use SCOs. December.

NOTE:

NYSDEC = New York State Department of Environmental Conservation
 SCO = Soil Cleanup Objective
 mg/kg = Milligrams per kilogram
 DUP = Duplicate field sample.
 U = Not detected; the associated value is the detection limit.
 BHC = Benzene hexachloride
 DDD = Dichlorodiphenyldichloroethane
 DDE = Dichlorodiphenyldichloroethylene
 DDT = Dichlorodiphenyltrichloroethane
 NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8081 and 8082.

Data Validation completed by Data Validation Services.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 17 - SURFACE SOIL INORGANIC CONSTITUENT RESULTS - BAKER HALL PROPERTY

Area	NYSDEC	Northwest Corner		West Boundary	North Boundary			West Boundary
Sample Name	Unrestricted	SS-08	SS-09	SS-10	SS-22	SS-23	SS-24	SS-25
Sample Date	Use SCOs ^(a)	10/24/2012	10/24/2012	10/24/2012	4/15/2013	4/15/2013	4/15/2013	4/15/2013
Aluminum	NC	10,700	9,100	11,700	10,800	9,050 J	11,400 J	7,770 J
Antimony	NC	1.29 UJ	1.57 UJ	1.47 UJ	2.97 UJ	4.35 UJ	3.36 UJ	3.4 UJ
Arsenic	13	14.5	13.1	9.39	25.4	20.8	16.5	9.20
Barium	350	217 J	398 J	214 J	721	706 J	806 J	125 J
Beryllium	7.2	0.200	0.290	0.490	0.360 U	0.520 U	0.400 U	0.170 J
Cadmium	2.5	6.27 J	6.87 J	3.1 J	11.1 J	8.99	9.03	0.720
Calcium	NC	18,100 J	15,300 J	16,300 J	14,900 J	18,900 J	37,000 J	39,600 J
Chromium	30	32.9 J	35.7 J	18.8 J	75.3 J	81.5 J	58.7 J	23 J
Cobalt	NC	17.1 J	11.2 J	7.01 J	23.9	18.2	13.1	7.02
Copper	50	166 J	115 J	91.9 J	553 J	433 J	197 J	32.3 J
Cyanide, Total	27	0.153 J	0.803	0.078 J	NA	NA	NA	NA
Iron	NC	55,200 J	56,900 J	24,900 J	119,000 J	121,000 J	74,700 J	24,100 J
Lead	63	2,180 J	965 J	595 J	2,420	2,460	1,710	393
Magnesium	NC	6,830 J	3,360 J	2,600 J	2,210 J	2,600 J	3,210 J	14,500 J
Manganese	1,600	552 J	786 J	456 J	1,030 J	1,100 J	845 J	518 J
Mercury	0.18	0.228 J	0.695 J	0.263 J	0.374	0.37	0.563	0.132
Nickel	30	56.5 J	63.4 J	20.4 J	141 J	98.1	62.4	22
Potassium	NC	1,630 J	1,100 J	658 J	981	1,100 J	1,080 J	987 J
Selenium	3.9	7.59	8.55	4.00	1.19 U	1.74 U	0.840 J	0.730 J
Silver	2	0.660 J	0.560 J	0.290 UJ	5.35	3.67	3.26	0.740
Sodium	NC	51.6 U	62.8 U	292 J	174	106 J	331	24.5 J
Thallium	NC	5.12 J	5.48 J	1.92 J	5.3	5.24	3.02	0.670 J
Vanadium	NC	17.9	21.2	19.9	9.90	21.2	34.3	18.5
Zinc	109	886	1,090	541	2,030 J	2,170 J	1,890 J	413 J

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December.

NOTE:

NYSDEC	= New York State Department of Environmental Conservation
SCO	= Soil Cleanup Objective
mg/kg	= Milligrams per kilogram
DUP	= Duplicate field sample.
J	= Estimated concentration.
U	= Not detected; the associated value is the detection limit.
NC	= No criterion available.
NA	= Not analyzed.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000 and total cyanide by 9010.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the indicated SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 17 - SURFACE SOIL INORGANIC CONSTITUENT RESULTS - BAKER HALL PROPERTY (CONTINUED)

Area	NYSDEC	Northeast Corner			North		Northeast Corner	
Sample Name	Unrestricted	SS-26	SS-26 (DUP)	SS-27	SS-41	SS-42	SS-44	SS-45
Sample Date	Use SCOs ^(a)	4/17/2013	4/17/2013	4/16/2013	7/1/2013	7/1/2013	7/2/2013	7/2/2013
Aluminum	NC	10,700	15,700	11,300	9,570	9,510	10,200	8,550
Antimony	NC	1.26 J	1.02 J	2.98 UJ	1.58 UJ	1.79 UJ	1.46 UJ	1.46 UJ
Arsenic	13	7.82	7.86	5.43	8.34	6.91	7.27	6.54
Barium	350	157	187	67.0	109 J	90.9 J	94.2	55.8
Beryllium	7.2	0.664	1.51	0.160 J	0.356	0.403	0.323	0.231
Cadmium	2.5	2.02	2.35	1.00	2.31	2.00	1.80	1.27
Calcium	NC	24,000 J	56,900 J	2,620	2,640 J	5,010 J	2,230 J	2,390 J
Chromium	30	18.4 J	19 J	13.8 J	16.3 J	14.4 J	16 J	12.5 J
Cobalt	NC	8.55	9.44	4.48	9.36	6.36	6.76	4.80
Copper	50	56.0	52.0	18.8	18.6	24.1	13.8	14.7
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA
Iron	NC	23,700	20,200	17,400	24,700 J	19,400 J	22,200 J	17,100 J
Lead	63	236 J	260 J	102 J	102	90.0	58.9	60.2
Magnesium	NC	5,700 J	10,200 J	1,210	2,550 J	1,750 J	2,030 J	1,270 J
Manganese	1,600	609	779	156	584 J	495 J	322 J	228 J
Mercury	0.18	0.033 J	0.103 J	0.080	0.077	0.087	0.073	0.061
Nickel	30	25.2 J	27.6 J	12.8 J	23.5	16.5	19.0	11.4
Potassium	NC	1,220	1,550	507	732 J	556 J	671 J	327 J
Selenium	3.9	0.602 J	1.27 U	1.19 U	4.06	3.73	2 J	1.63 J
Silver	2	0.636 U	0.633 U	0.596 U	0.317 UJ	0.358 UJ	0.182 J	0.181 J
Sodium	NC	20.7 J	146	119 U	63.3 UJ	10.2 J	71.6	58.3 U
Thallium	NC	1.07 J	0.413 J	0.434 J	0.970 J	0.368 J	0.766 J	0.459 J
Vanadium	NC	17.1	17.7	23.6	20.7	18.0	20.6	18.6
Zinc	109	281	280	137	155 J	158 J	128	120

APPENDIX O TABLE 17 - SURFACE SOIL INORGANIC CONSTITUENT RESULTS -
BAKER HALL PROPERTY (CONTINUED)

Area	NYSDEC	Northeast Corner		East of Baker
Sample Name	Unrestricted	SS-47	SS-48	SS-49
Sample Date	Use SCOs ^(a)	7/2/2013	7/2/2013	8/13/2013
Aluminum	NC	9,020	7,390	6,970
Antimony	NC	1.85 J	1.43 UJ	1.05 J
Arsenic	13	0.556 U	6.52	6.39
Barium	350	94.1	60.8	62.5
Beryllium	7.2	0.103 JN	0.250	0.340
Cadmium	2.5	1.85	1.20	1.14
Calcium	NC	2,100 J	1,700 J	1,980
Chromium	30	14 J	11.3 J	135
Cobalt	NC	6.28	3.55	4.46
Copper	50	13.6	11.6	11.7
Cyanide, Total	27	NA	NA	NA
Iron	NC	17,600 J	16,500 J	17,400
Lead	63	55.1	54.0	56.3
Magnesium	NC	1,740 J	1,000 J	1,110
Manganese	1,600	566 J	174 J	223
Mercury	0.18	0.124	0.072	0.072
Nickel	30	18.7	9.99	49.5
Potassium	NC	624 J	384 J	296
Selenium	3.9	11.3 J	1.98 J	0.770
Silver	2	0.102 J	0.149 J	1.63
Sodium	NC	55.6 U	57.2 U	106
Thallium	NC	0.676 J	0.604 J	0.220 J
Vanadium	NC	16.6	17.8	19
Zinc	109	219	108	132

APPENDIX O TABLE 18 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - BAKER HALL PROPERTY

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Northwest Corner							
		MW-05(0-2')	MW-05(2-3')	MW-05(3-4')	MW-05(4-6')	SB-08(0-2')	SB-08(2-4')	SB-08(4-6')	SB-08(6-8')
		11/1/2012	11/1/2012	11/1/2012	11/1/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Aluminum	NC	9,200	9,800	8,700	13,000	12,500 J	9,260 J	8,870 J	11,000 J
Antimony	NC	2.6 UJ	6.2 J	2.4 UJ	2.4 UJ	1.39 UJ	1.21 UJ	1.23 UJ	1.28 UJ
Arsenic	13	18.0	9.10	8.80	11.0	14.9 J	26.6 J	4.41 J	11.3 J
Barium	350	800	150	66.0	93.0	462 J	443 J	99.5 J	111 J
Beryllium	7.2	0.770 U	0.760 U	0.710 U	0.710 U	0.170 UJ	0.150 UJ	0.240 J	0.250 J
Cadmium	2.5	7.60	1.60	0.710 U	0.710 U	11.2 J	5.7 J	1.07 J	1.81 J
Calcium	NC	79,000 J	7,100 J	2,600 J	21,000 J	14,800 J	15,000 J	2,360 J	2,600 J
Chromium	30	55.0	18.0	13.0	20.0	40.1 J	29.4 J	12.3 J	15.7 J
Cobalt	NC	13 J	6.1 J	8.7 J	14 J	14.6	12.5	5.81	24.9
Copper	50	460	37.0	25.0	33.0	170 J	213 J	19.9 J	30.7 J
Cyanide, Total	27	NA	NA	NA	NA	NA	0.572	NA	NA
Iron	NC	61,000	25,000	22,000	30,000	61,600 J	58,100 J	20,200 J	38,300 J
Lead	63	1,600 J	940 J	29 J	14 J	1,220	869	66.6	29.8
Magnesium	NC	4,900 J	2,200 J	2,400 J	11,000 J	4,740 J	2,050 J	1,980 J	3,920 J
Manganese	1,600	750 J	360 J	410 J	700 J	690 J	519 J	142 J	1,030 J
Mercury	0.18	0.860	0.120	0.098 U	0.099 U	0.198	0.021	0.048	0.042
Nickel	30	110	16.0	20.0	39.0	59.4 J	46.8 J	20.8 J	54.6 J
Potassium	NC	990	890	700	1,200	1,280 J	1,160 J	1,250 J	525 J
Selenium	3.9	2.3 U	2.3 U	2.1 U	2.1 U	0.600 J	0.250 J	0.500 J	1.02 J
Silver	2	4.00	1.9 U	1.8 U	1.8 U	2.5 J	3.0 J	0.580 J	1.44 J
Sodium	NC	390	320 U	290 U	300 U	103 J	353 J	90 J	51.2 UN
Thallium	NC	1.5 U	1.5 U	1.4 U	1.4 U	2.63	2.68	0.730 J	2.01
Vanadium	NC	35.0	21.0	20.0	25.0	21.9 J	12.8 J	14.4 J	19.5 J
Zinc	109	1,700 J	290 J	69 J	80 J	1,340 J	922 J	103 J	76 J

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil

Cleanup Objectives. December.

NOTE: NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objective
mg/kg = Milligrams per kilogram
DUP = Duplicate field sample.
J = Estimated concentration.
N = The constituent is tentatively identified.
R = The data are rejected.
U = Not detected; the associated value is the detection limit.
NA = Not analyzed.
NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000 series and total cyanide by 9010.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the indicated SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 18 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - BAKER HALL PROPERTY (CONTINUED)

Area	NYSDEC	Northwest Corner				West Boundary			
Sample Name	Unrestricted Use	SB-09(0-2')	SB-09(2-4')	SB-09(4-6')	SB-09(6-8')	SB-10(0-2')	SB-10(2-4')	SB-10(4-6')	SB-10(6-8')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Aluminum	NC	7,740	7,060	10,900 J	10,400 J	5,800	4,110	7,700	8,310
Antimony	NC	R	R	1.2 UJ	1.25 UJ	R	R	R	R
Arsenic	13	8.10	11.8	6.08 J	5.36 J	4.22	6.25	8.66	8.28
Barium	350	110	57.2	75.8 J	65.7 J	64.0	29.7	68.6	45.1
Beryllium	7.2	0.150 J	0.180	0.230 J	0.210 J	0.110 J	0.160 U	0.060 J	0.110 J
Cadmium	2.5	1.94	0.780	0.970 J	0.920 J	0.380	0.410	0.600	0.830
Calcium	NC	3,840	1,750	12,500 J	20,300 J	1,930	13,400	20,000	30,000
Chromium	30	11.4	10.2	15.5 J	14.9 J	9.05	5.63	11.9	13.0
Cobalt	NC	6.99 J	11.7 J	12.3	12.2	6.97 J	8.65 J	11.2 J	14.3 J
Copper	50	18.3 J	26.9 J	23.8 J	24.9 J	13.9 J	21.5 J	24.8 J	26.1 J
Cyanide, Total	27	NA	NA	NA	NA	0.186 J	NA	NA	NA
Iron	NC	23,500	30,700	30,000 J	26,700 J	19,700	16,000	28,400	29,600
Lead	63	218	21.5	19.7	19.3	12.6	11.5	17.8	19.8
Magnesium	NC	1,670	2,420	8,470 J	9,520 J	1,590	7,900	8,270	10,200
Manganese	1,600	437 J	334 J	240 J	205 J	195 J	483 J	247 J	343 J
Mercury	0.18	0.442	0.104	0.019	0.016	0.021	0.015	0.022	0.017
Nickel	30	19.1	29.2	38.1 J	34.9 J	20.6	22.8	33.2	40.4
Potassium	NC	542	323	763 J	1,160 J	222	233	750	1,200
Selenium	3.9	0.600	0.390 J	0.220 J	0.500 UJ	0.270 J	0.520 U	0.520 U	0.510 U
Silver	2	0.570	0.750	0.940 J	0.640 J	0.620	0.230 J	0.710	0.690
Sodium	NC	59.1 U	51 U	50.6 J	104 J	834	46.8 J	41.2 J	45 J
Thallium	NC	0.940 J	1.28	1.13	1.01	0.550 J	0.730 J	1.21	1.28
Vanadium	NC	14.4	11.8	16.9 J	17.3 J	13.4	7.14	12.5	14.0
Zinc	109	187	57.7	76.1 J	70.1 J	48.2	47.4	73.0	72.4

APPENDIX O TABLE 18 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - BAKER HALL PROPERTY (CONTINUED)

Area	NYSDEC	North Boundary								
Sample Name	Unrestricted Use	SB-22(0-2')	SB-22(2-4')	SB-22(4-6')	SB-22(6-7')	SB-23(0-2')	SB-23(2-4')	SB-23(4-6')	SB-23(6-8')	SB-24(0-2')
Sample Date	SCOs ^(a) (mg/kg)	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013
Aluminum	NC	7,980	8,370	9,500	9,050	11,600 J	9,190 J	10,700 J	10,700 J	10,500 J
Antimony	NC	2.64 UJ	2.58 UJ	2.58 UJ	2.54 UJ	2.58 UJ	2.75 UJ	2.59 UJ	2.65 UJ	2.71 UJ
Arsenic	13	5.45	4.66	8.97	9.70	32.5	4.63	9.46	10.0	11.0
Barium	350	226	57.8	70.1	66.4	960 J	86.2 J	73 J	96.6 J	403 J
Beryllium	7.2	1.12	0.210 J	0.180 J	0.160 J	0.310 U	0.220 J	0.140 J	0.070 J	0.080 J
Cadmium	2.5	1.5 J	0.310 UJ	0.310 UJ	0.300 UJ	6.36	0.330 U	0.310 U	0.320 U	1.93
Calcium	NC	92,500 J	2,210 J	21,100 J	22,800 J	45,300 J	2,590 J	29,600 J	21,200 J	9,610 J
Chromium	30	17.4 J	10.1 J	15.1 J	14.9 J	69 J	13 J	16.9 J	18.4 J	26.8 J
Cobalt	NC	4.96	5.21	14.4	18.2	18.2	6.34	17.1	20.1	10.6
Copper	50	67.2 J	6.5 J	18.4 J	18.9 J	1,010 J	10.9 J	27.8 J	26.7 J	51.9 J
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	30,100 J	17,300 J	30,800 J	32,000 J	103,000 J	20,500 J	34,500 J	37,900 J	40,400 J
Lead	63	387	16.4	15.0	17.3	2,030	33.6	35.3	35.6	1,020
Magnesium	NC	9,080 J	1,660 J	8,970 J	8,690 J	3,930 J	2,260 J	10,200 J	9,560 J	2,380 J
Manganese	1,600	721 J	131 J	370 J	513 J	1,340 J	225 J	454 J	627 J	527 J
Mercury	0.18	0.306	0.047	0.010 J	0.013	0.062	0.052	0.014	0.015	0.130
Nickel	30	26.1 J	16.5 J	40 J	47.1 J	121	20.2	45.9	57.4	32.3
Potassium	NC	797	475	969	979	1,810 J	865 J	900 J	1,130 J	693 J
Selenium	3.9	1.32	0.440 J	1.03 U	0.500 J	1.03 U	0.460 J	1.04 U	0.540 J	1.07 J
Silver	2	1.87	0.560	1.13	1.25	4.13	0.550 J	1.23	1.38	1.91
Sodium	NC	242	8.83 J	103 U	102 U	2,050	78.5 J	68.7 J	15.2 J	108 U
Thallium	NC	0.950 J	0.540 J	0.950 J	1.29 J	4.18	0.830 J	1.25 J	1.42 J	1.6 J
Vanadium	NC	8.69	15.6	15.7	15.3	8.23	16.2	17.1	18.4	22.7
Zinc	109	407 J	47.1 J	80.7 J	83.4 J	4,180 J	82.4 J	170 J	171 J	820 J

APPENDIX O TABLE 18 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - BAKER HALL PROPERTY (CONTINUED)

Area	NYSDEC	North Boundary			West Boundary				North	
Sample Name	Unrestricted Use	SB-24(2-4')	SB-24(4-6')	SB-24(6-8')	SB-25(0-1')	SB-25(1-2')	SB-25(4-6')	SB-25(6-8')	SB-41(0-1')	SB-41(1-2')
Sample Date	SCOs ^(a) (mg/kg)	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	7/1/2013	7/1/2013
Aluminum	NC	6,890 J	9,780 J	10,600 J	8,630 J	9,110 J	7,060 J	10,100 J	8,960	9,000
Antimony	NC	2.74 UJ	2.58 UJ	2.59 UJ	2.99 UJ	2.6 UJ	3.09 UJ	2.46 UJ	1.61 UJ	1.34 UJ
Arsenic	13	4.16	10.4	9.88	8.59	6.81	7.56	4.62	6.78	6.53
Barium	350	70.6 J	62.4 J	74.6 J	104 J	45.7 J	43.6 J	58.5 J	113 J	63.2 J
Beryllium	7.2	0.120 J	0.090 J	0.160 J	0.080 J	0.070 J	0.370 U	0.150 J	0.312	0.123 J
Cadmium	2.5	0.330 U	0.310 U	0.310 U	0.210 J	0.310 U	0.370 U	0.300 U	1.90	1.44
Calcium	NC	2,190 J	22,500 J	27,000 J	11,800 J	1,910 J	3,190 J	25,900 J	2,460 J	1,450 J
Chromium	30	12.1 J	16 J	16.4 J	16.5 J	11.7 J	12.8 J	16.3 J	12.8 J	10.7 J
Cobalt	NC	8.47	14.0	15.2	5.47	4.27	9.55	14.8	11.4	6.41
Copper	50	6.17 J	20.3 J	20.2 J	36.7 J	9.81 J	19.8 J	20.9 J	13.3	4.75
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	22,300 J	33,600 J	33,900 J	23,500 J	20,000 J	24,300 J	28,900 J	22,100 J	25,400 J
Lead	63	12.2	16.3	16.6	195	37.1	14.1	16.5	50.5	9.83
Magnesium	NC	1,560 J	9,400 J	9,610 J	2,530 J	1,960 J	3,100 J	11,100 J	2,360 J	1,630 J
Manganese	1,600	210 J	248 J	296 J	291 J	94.5 J	135 J	296 J	674 J	357 J
Mercury	0.18	0.043	0.011 J	0.013	0.113	0.018	0.006 J	0.011 J	0.063	0.046
Nickel	30	17.4	37.9	40.6	19.7	14.9	26.4	41.5	20.5	12.4
Potassium	NC	322 J	1,060 J	807 J	716 J	430 J	432 J	1,470 J	659 J	355 J
Selenium	3.9	1.1 U	1.03 U	1.04 U	0.580 J	1.04 U	1.24 U	0.980 U	3.59	3.80
Silver	2	0.870	1.14	1.21	0.770	0.380 J	0.770	1.00	0.322 UJ	0.268 UJ
Sodium	NC	110 U	103 U	104 U	120 U	104 U	124 U	122	20.8 J	53.6 UJ
Thallium	NC	0.590 J	0.980 J	0.960 J	0.760 J	0.620 J	0.980 J	0.700 J	0.888 J	0.925 J
Vanadium	NC	18.7	16.8	18.1	19.4	16.6	12.3	17.6	18.8	20.9
Zinc	109	56.5 J	89.3 J	85.7 J	250 J	60.1 J	76.1 J	86.7 J	92.9 J	28.8 J

APPENDIX O TABLE 18 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - BAKER HALL PROPERTY (CONTINUED)

Area	NYSDEC	North		Northeast Corner					
Sample Name	Unrestricted Use	SB-42(0-1')	SB-42(1-2')	SB-44(0-1')	SB-44(1-2')	SB-45(0-1')	SB-45(1-2')	SB-47(0-1')	SB-47(1-2')
Sample Date	SCOs ^(a) (mg/kg)	7/1/2013	7/1/2013	7/2/2013	7/2/2013	7/2/2013	7/2/2013	7/2/2013	7/2/2013
Aluminum	NC	11,900	5,560	11,000	6,620	9,000	8,180	5,950	5,990
Antimony	NC	1.54 UJ	1.32 UJ	1.49 UJ	1.42 UJ	1.45 UJ	1.36 UJ	1.65 J	1.2 UJ
Arsenic	13	6.91	4.24	4.06	3.84	7.51	4.57	0.522 U	3.96
Barium	350	94.1 J	53.9 J	93.2	40.8	58.5	58.5	44.4	47.7
Beryllium	7.2	0.512	0.198	0.473	0.201	0.176	0.257	0.072 JN	0.245
Cadmium	2.5	1.77	1.01	1.03	0.468	1.24	0.686	0.751	0.839
Calcium	NC	2,940 J	1,850 J	2,060 J	1,020 J	1,870 J	1,010 J	1,140 J	1,350 J
Chromium	30	13.7 J	8.33 J	13.1 J	9.26 J	11.6 J	10.2 J	8.23 J	9.47 J
Cobalt	NC	9.56	5.77	6.75	3.79	15.1	5.16	3.18	4.90
Copper	50	12.0	11.2	7.90	5.86	11	5.51	7.16	19.5
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	21,100 J	13,100 J	22,800 J	11,900 J	19,900 J	15,600 J	12,500 J	12,200 J
Lead	63	41.3	8.74	12.0	6.10	46.9	7.85	6.71	9.25
Magnesium	NC	1,800 J	1,520 J	1,860 J	1,540 J	1,230 J	1,580 J	1,160 J	1,570 J
Manganese	1,600	475 J	184 J	415 J	152 J	631 J	107 J	92.3 J	172 J
Mercury	0.18	0.093	0.04	0.064	0.029	0.046	0.015	0.032	0.032
Nickel	30	20.3	16.3	14.4	11.5	10.8	12.6	11.2	19.8
Potassium	NC	389 J	234 J	433 J	223 J	279 J	310 J	296 J	376 J
Selenium	3.9	3.69	2.01	1.91 J	1.13 J	1.81 J	1.13 J	11 J	0.933 J
Silver	2	0.307 UJ	0.264 UJ	0.298 U	0.283 U	0.163 J	0.272 U	0.261 U	0.241 U
Sodium	NC	61.4 UJ	35.6 J	20.9 J	5.5 J	58 U	54.4 U	52.2 U	48.1 U
Thallium	NC	0.761 J	0.277 J	0.851 J	0.260 J	0.601 J	0.303 J	1.04 U	0.963 U
Vanadium	NC	19.1	11.9	16.8	15.4	19.7	18.1	14.7	15.0
Zinc	109	85.4 J	32.5 J	43.0	28.5	94.3	33.7	37.8	37.7

APPENDIX O TABLE 18 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - BAKER HALL
PROPERTY (CONTINUED)

Area	NYSDEC	Northeast Corner		East of Baker	
Sample Name	Unrestricted Use	SB-48(0-1')	SB-48(1-2')	SB-49(0-1')	SB-49(1-2')
Sample Date	SCOs ^(a) (mg/kg)	7/2/2013	7/2/2013	8/13/2013	8/13/2013
Aluminum	NC	9,720	5,990	7,250	5,940
Antimony	NC	12.6 J	1.36 UJ	0.490 J	0.330 J
Arsenic	13	41.7	2.89	5.53	3.36
Barium	350	830	32.8	63.8	41.1
Beryllium	7.2	0.159 UN	0.102 JN	0.320	0.230
Cadmium	2.5	13.6	0.466	0.810	0.290
Calcium	NC	30,900 J	1,260 J	1,850	1,410
Chromium	30	87.4 J	9.95 J	10.2	7.48
Cobalt	NC	22.6	3.16	3.56	3.27
Copper	50	553	11.5	7.61	3.06
Cyanide, Total	27	NA	NA	NA	NA
Iron	NC	233,000 J	11,400 J	15,900	10,700
Lead	63	1,440	5.04	33.9	6.67
Magnesium	NC	2,030 J	1,310 J	1,200	1,320
Manganese	1,600	1,350 J	81.4 J	167	59.5
Mercury	0.18	0.285	0.020	0.066	0.029
Nickel	30	100	11.3	9.85	9.59
Potassium	NC	1,580 J	335 J	288	203
Selenium	3.9	0.529 UJ	0.997 J	0.590	0.370 J
Silver	2	0.265 U	0.273 U	1.42	0.910
Sodium	NC	723	54.5 U	131	101
Thallium	NC	7.10	1.09 U	0.170 J	1.07 U
Vanadium	NC	13.5	14.7	16.5	12.3
Zinc	109	2,470	30.6	85.4	32.3

APPENDIX O, TABLE 19 - SURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY

Area	NYSDEC	Northwest Corner		West Boundary
Sample Name	Unrestricted Use	SS-08	SS-09	SS-10
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012
Acetone	0.05	0.032 U	0.038 U	0.034 U
Benzene	0.06	0.006 U	0.008 U	0.007 U
Bromochloromethane	NC	0.006 U	0.008 U	0.007 U
Bromodichloromethane	NC	0.006 U	0.008 U	0.007 U
Bromoform	NC	0.006 U	0.008 U	0.007 U
Bromomethane	NC	0.006 U	0.008 U	0.007 U
2-Butanone	0.12	0.032 U	0.038 U	0.034 U
Carbon disulfide	NC	0.006 U	0.008 U	0.007 U
Carbon tetrachloride	0.76	0.006 U	0.008 U	0.007 U
Chlorobenzene	1.1	0.006 U	0.008 U	0.007 U
Chlorodibromomethane	NC	0.006 U	0.008 U	0.007 U
Chloroethane	NC	0.006 U	0.008 U	0.007 U
Chloroform	0.37	0.006 U	0.008 U	0.007 U
Chloromethane	NC	0.006 U	0.008 U	0.007 U
Cyclohexane	NC	0.006 U	0.008 U	0.007 U
1,2-Dibromo-3-chloropropane	NC	0.006 UJ	0.008 UJ	0.007 U
1,2-Dibromoethane	NC	0.006 U	0.008 U	0.007 U
1,2-Dichlorobenzene	1.1	0.006 UJ	0.008 UJ	0.007 U
1,3-Dichlorobenzene	2.4	0.006 UJ	0.008 UJ	0.007 U
1,4-Dichlorobenzene	1.8	0.006 UJ	0.008 UJ	0.007 U
Dichlorodifluoromethane	NC	0.006 U	0.008 U	0.007 U
1,1-Dichloroethane	0.27	0.006 U	0.008 U	0.007 U
1,2-Dichloroethane	0.02	0.006 U	0.008 U	0.007 U
1,1-Dichloroethene	0.33	0.006 U	0.008 U	0.007 U
cis-1,2-Dichloroethene	0.25	0.006 U	0.008 U	0.007 U
trans-1,2-Dichloroethene	0.19	0.006 U	0.008 U	0.007 U
(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December. NOTE: NYSDEC = New York State Department of Environmental Conservation SCO = Soil Cleanup Objective mg/kg = Milligrams per kilogram J = Estimated concentration. U = Not detected; the associated value is the detection limit. NC = No criterion available. Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260. Data Validation completed by Data Validation Services. All concentrations reported in mg/kg equivalent to parts per million (ppm).				

APPENDIX O, TABLE 19 - SURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY

Area	NYSDEC	Northwest Corner		West Boundary
Sample Name	Unrestricted Use	SS-08	SS-09	SS-10
Sample Date	SCOs ^(a) (mg/kg)	10/24/2012	10/24/2012	10/24/2012
1,2-Dichloropropane	NC	0.006 U	0.008 U	0.007 U
cis-1,3-Dichloropropene	NC	0.006 U	0.008 U	0.007 U
trans-1,3-Dichloropropene	NC	0.006 U	0.008 U	0.007 U
Ethylbenzene	1	0.006 U	0.008 U	0.007 U
2-Hexanone	NC	0.032 U	0.038 U	0.034 U
Isopropylbenzene	NC	0.006 UJ	0.008 UJ	0.007 U
Methyl acetate	NC	0.006 U	0.008 U	0.007 U
Methyl cyclohexane	NC	0.006 U	0.008 U	0.007 U
Methyl tert-butyl ether	0.93	0.006 U	0.008 U	0.007 U
4-Methyl-2-pentanone	NC	0.032 U	0.038 U	0.034 U
Methylene chloride	0.05	0.006 U	0.008 U	0.007 U
Styrene	NC	0.006 U	0.008 U	0.007 U
1,1,2,2-Tetrachloroethane	NC	0.006 UJ	0.008 UJ	0.007 U
Tetrachloroethene	1.3	0.006 U	0.007 J	0.007 U
Toluene	0.7	0.006 U	0.008 U	0.007 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NC	0.006 U	0.008 U	0.007 U
1,2,3-Trichlorobenzene	NC	0.006 UJ	0.008 UJ	0.007 U
1,2,4-Trichlorobenzene	NC	0.006 UJ	0.008 UJ	0.007 U
1,1,1-Trichloroethane	0.68	0.006 U	0.008 U	0.007 U
1,1,2-Trichloroethane	NC	0.006 U	0.008 U	0.007 U
Trichloroethene	0.47	0.006 U	0.008 U	0.007 U
Trichlorofluoromethane	NC	0.006 U	0.008 U	0.007 U
Vinyl chloride	0.02	0.006 U	0.008 U	0.007 U
Xylene, o	0.26	0.006 U	0.008 U	0.007 U
Xylenes, m+p	0.26	0.013 U	0.015 U	0.014 U

APPENDIX O, TABLE 20 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY

Area	NYSDEC	Northwest Corner			West Boundary
Sample Name	Unrestricted Use	SB-08(2-4')	SB-09(0-2')	SB-09(2-4')	SB-10(0-2')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Acetone	0.05	0.029 U	0.035 U	0.030 U	0.030 U
Benzene	0.06	0.006 U	0.007 U	0.006 U	0.006 U
Bromochloromethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
Bromodichloromethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
Bromoform	NC	0.006 U	0.007 UJ	0.006 U	0.006 U
Bromomethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
2-Butanone	0.12	0.029 U	0.035 U	0.030 U	0.030 U
Carbon disulfide	NC	0.006 U	0.007 U	0.006 U	0.006 U
Carbon tetrachloride	0.76	0.006 U	0.007 U	0.006 U	0.006 U
Chlorobenzene	1.1	0.006 U	0.007 UJ	0.006 U	0.006 U
Chlorodibromomethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
Chloroethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
Chloroform	0.37	0.006 U	0.007 U	0.006 U	0.006 U
Chloromethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
Cyclohexane	NC	0.006 U	0.007 U	0.006 U	0.006 U
1,2-Dibromo-3-chloropropane	NC	0.006 U	0.007 UJ	0.006 UJ	0.006 U
1,2-Dibromoethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
1,2-Dichlorobenzene	1.1	0.006 U	0.007 UJ	0.006 UJ	0.006 U
1,3-Dichlorobenzene	2.4	0.006 U	0.007 UJ	0.006 UJ	0.006 U
1,4-Dichlorobenzene	1.8	0.006 U	0.007 UJ	0.006 UJ	0.006 U
Dichlorodifluoromethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
1,1-Dichloroethane	0.27	0.006 U	0.007 U	0.006 U	0.006 U
1,2-Dichloroethane	0.02	0.006 U	0.007 U	0.006 U	0.006 U
1,1-Dichloroethene	0.33	0.006 U	0.007 U	0.006 U	0.006 U
cis-1,2-Dichloroethene	0.25	0.006 U	0.007 U	0.006 U	0.006 U
trans-1,2-Dichloroethene	0.19	0.006 U	0.007 U	0.006 U	0.006 U
(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December.					
NOTE:					
NYSDEC = New York State Department of Environmental Conservation					
SCO = Soil Cleanup Objective					
mg/kg = Milligrams per kilogram					
J = Estimated concentration.					
U = Not detected; the associated value is the detection limit.					
NC = No criterion available.					
Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260.					
Data Validation completed by Data Validation Services.					
All concentrations reported in mg/kg equivalent to parts per million (ppm).					

APPENDIX O, TABLE 20 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY

Area	NYSDEC	Northwest Corner			West Boundary
Sample Name	Unrestricted Use	SB-08(2-4')	SB-09(0-2')	SB-09(2-4')	SB-10(0-2')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	10/26/2012	10/26/2012	10/26/2012
1,2-Dichloropropane	NC	0.006 U	0.007 U	0.006 U	0.006 U
cis-1,3-Dichloropropene	NC	0.006 U	0.007 U	0.006 U	0.006 U
trans-1,3-Dichloropropene	NC	0.006 U	0.007 U	0.006 U	0.006 U
Ethylbenzene	1	0.006 U	0.002 J	0.006 U	0.006 U
2-Hexanone	NC	0.029 U	0.035 U	0.030 U	0.030 U
Isopropylbenzene	NC	0.006 U	0.007 UJ	0.006 UJ	0.006 U
Methyl acetate	NC	0.006 U	0.007 U	0.006 U	0.006 U
Methyl cyclohexane	NC	0.006 U	0.007 U	0.006 U	0.006 U
Methyl tert-butyl ether	0.93	0.006 U	0.007 U	0.006 U	0.006 U
4-Methyl-2-pentanone	NC	0.029 U	0.035 U	0.030 U	0.030 U
Methylene chloride	0.05	0.006 U	0.021 U	0.028 U	0.013 U
Styrene	NC	0.006 U	0.007 UJ	0.006 U	0.006 U
1,1,2,2-Tetrachloroethane	NC	0.006 U	0.007 UJ	0.006 UJ	0.006 U
Tetrachloroethene	1.3	0.006 U	0.013 J	0.005 J	0.006 U
Toluene	0.7	0.006 U	0.007 U	0.006 U	0.006 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
1,2,3-Trichlorobenzene	NC	0.006 U	0.007 UJ	0.006 UJ	0.006 U
1,2,4-Trichlorobenzene	NC	0.006 U	0.007 UJ	0.006 UJ	0.006 U
1,1,1-Trichloroethane	0.68	0.006 U	0.007 U	0.006 U	0.006 U
1,1,2-Trichloroethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
Trichloroethene	0.47	0.006 U	0.007 U	0.006 U	0.006 U
Trichlorofluoromethane	NC	0.006 U	0.007 U	0.006 U	0.006 U
Vinyl chloride	0.02	0.006 U	0.007 U	0.006 U	0.006 U
Xylene, o	0.26	0.006 U	0.002 J	0.006 U	0.006 U
Xylenes, m+p	0.26	0.012 U	0.003 J	0.012 U	0.012 U

APPENDIX O TABLE 21 - SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Northwest Corner		West Boundary	North Boundary			West Boundary
		SS-08	SS-09	SS-10	SS-22	SS-23	SS-24	SS-25
		10/24/2012	10/24/2012	10/24/2012	4/15/2013	4/15/2013	4/15/2013	4/15/2013
Acenaphthene	20	0.420 U	0.240 J	0.460 U	0.470 U	0.660 U	0.530 U	0.960
Acenaphthylene	100	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Anthracene	100	0.420 U	0.610	0.290 J	0.470 U	0.660 U	0.530 U	1.9
Benzaldehyde	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Benzo(a)anthracene	1	0.510	1.9	0.730	0.470 U	0.660 U	0.510 J	4.8 D
Benzo(a)pyrene	1	0.600 J	1.9 J	0.640 J	0.470 U	0.660 U	0.540	4.4 D
Benzo(b)fluoranthene	1	0.810 J	2.7 J	0.810 J	0.240 J	0.660 U	0.620	5.8 D
Benzo(g,h,i)perylene	100	0.730 J	0.880 J	0.380 J	0.470 U	0.660 U	0.380 J	2.8
Benzo(k)fluoranthene	0.8	0.340 J	1.1 J	0.340 J	0.470 U	0.660 U	0.530 U	2.2
1,1'-Biphenyl	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
bis(2-Chloroethoxy)methane	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
bis(2-Chloroethyl)ether	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
bis(2-Chloroisopropyl)ether	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
bis(2-Ethylhexyl)phthalate	NC	0.420 U	0.240 J	0.460 U	0.570	0.660 U	0.530 U	0.520 U
4-Bromophenyl-phenylether	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Butylbenzylphthalate	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Carbazole	NC	0.420 U	0.350 J	0.460 U	0.470 U	0.660 U	0.530 U	1.5
4-Chloro-3-methylphenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
4-Chloroaniline	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2-Chloronaphthalene	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2-Chlorophenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
4-Chlorophenyl-phenylether	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Chrysene	1	0.550	2.0	0.740	0.200 J	0.660 U	0.550	5 D
Dibenzo(a,h)anthracene	0.33	0.380 J	0.240 J	0.460 U	0.470 U	0.660 U	0.530 U	0.67
Dibenzofuran	7	0.420 U	0.250 J	0.460 U	0.470 U	0.660 U	0.530 U	0.510 J

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental

Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December.

NOTE:

NYSDEC = New York State Department of Environmental Conservation
 SCO = Soil Cleanup Objective
 mg/kg = Milligrams per kilogram
 DUP = Duplicate field sample.
 D = Result obtained from a diluted sample analysis.
 J = Estimated concentration.
 U = Not detected; the associated value is the detection limit.
 NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8270.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the indicated SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 21 - SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY (CONT'D)

Area	NYSDEC	Northeast Corner		
Sample Name	Unrestricted Use	SS-26	SS-26 (DUP)	SS-27
Sample Date	SCOs ^(a) (mg/kg)	4/17/2013	4/17/2013	4/16/2013
Acenaphthene	20	0.490 U	0.500 U	0.460 U
Acenaphthylene	100	0.490 U	0.500 U	0.460 U
Anthracene	100	0.300 J	0.500 U	0.460 U
Benzaldehyde	NC	0.490 U	0.500 U	0.460 U
Benzo(a)anthracene	1	0.790	0.450 J	0.460 U
Benzo(a)pyrene	1	0.710	0.370 J	0.460 U
Benzo(b)fluoranthene	1	0.960	0.500	0.460 U
Benzo(g,h,i)perylene	100	0.420 J	0.220 J	0.460 U
Benzo(k)fluoranthene	0.8	0.390 J	0.500 U	0.460 U
1,1'-Biphenyl	NC	0.490 U	0.500 U	0.460 U
bis(2-Chloroethoxy)methane	NC	0.490 U	0.500 U	0.460 U
bis(2-Chloroethyl)ether	NC	0.490 U	0.500 U	0.460 U
bis(2-Chloroisopropyl)ether	NC	0.490 U	0.500 U	0.460 U
bis(2-Ethylhexyl)phthalate	NC	0.490 U	0.500 U	0.460 U
4-Bromophenyl-phenylether	NC	0.490 U	0.500 U	0.460 U
Butylbenzylphthalate	NC	0.490 U	0.500 U	0.460 U
Carbazole	NC	0.490 U	0.500 U	0.460 U
4-Chloro-3-methylphenol	NC	0.490 U	0.500 U	0.460 U
4-Chloroaniline	NC	0.490 U	0.500 U	0.460 U
2-Chloronaphthalene	NC	0.490 U	0.500 U	0.460 U
2-Chlorophenol	NC	0.490 U	0.500 U	0.460 U
4-Chlorophenyl-phenylether	NC	0.490 U	0.500 U	0.460 U
Chrysene	1	0.920	0.490 J	0.460 U
Dibenzo(a,h)anthracene	0.33	0.490 U	0.500 U	0.460 U
Dibenzofuran	7	0.490 U	0.500 U	0.460 U

APPENDIX O TABLE 21 - SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Northwest Corner		West Boundary	North Boundary			West Boundary
		SS-08	SS-09	SS-10	SS-22	SS-23	SS-24	SS-25
		10/24/2012	10/24/2012	10/24/2012	4/15/2013	4/15/2013	4/15/2013	4/15/2013
3,3'-Dichlorobenzidine	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2,4-Dichlorophenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Diethylphthalate	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2,4-Dimethylphenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Dimethylphthalate	NC	0.544	0.872	0.799	0.230 J	0.380 J	0.300 J	0.230 J
Di-n-butylphthalate	NC	0.420 U	0.500 U	2.5	0.470 U	0.660 U	0.530 U	0.520 U
4,6-Dinitro-2-methylphenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2,4-Dinitrophenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2,4-Dinitrotoluene	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2,6-Dinitrotoluene	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Di-n-octylphthalate	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Fluoranthene	100	1.2	4.1 D	1.6	0.400 J	0.420 J	1.1	11.2 D
Fluorene	NC	0.420 U	0.260 J	0.460 U	0.470 U	0.660 U	0.530 U	0.980
Hexachlorobenzene	0.33	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Hexachlorocyclopentadiene	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Hexachloroethane	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Indeno(1,2,3-cd)pyrene	0.5	0.58	0.76	0.340 J	0.470 U	0.660 U	0.390 J	2.7
Isophorone	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2-Methylnaphthalene	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2-Methylphenol	0.33	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
3&4-Methylphenol	0.33	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Naphthalene	12	0.420 U	0.550	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2-Nitroaniline	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
3-Nitroaniline	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
4-Nitroaniline	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Nitrobenzene	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2-Nitrophenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
4-Nitrophenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
N-Nitroso-di-n-propylamine	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
N-Nitrosodiphenylamine	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Pentachlorophenol	0.8	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Phenanthrene	100	0.740	2.8	1.2	0.470 U	0.660 U	0.530	8.6 D
Phenol	0.33	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
Pyrene	100	0.960	3.5	1.2	0.300 J	0.320 J	0.890	9.2 D
2,3,4,6-Tetrachlorophenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2,4,5-Trichlorophenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U
2,4,6-Trichlorophenol	NC	0.420 U	0.500 U	0.460 U	0.470 U	0.660 U	0.530 U	0.520 U

APPENDIX O TABLE 21 - SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY (CONT'D)

Area	NYSDEC	Northeast Corner		
Sample Name	Unrestricted Use	SS-26	SS-26 (DUP)	SS-27
Sample Date	SCOs ^(a) (mg/kg)	4/17/2013	4/17/2013	4/16/2013
3,3'-Dichlorobenzidine	NC	0.490 U	0.500 U	0.460 U
2,4-Dichlorophenol	NC	0.490 U	0.500 U	0.460 U
Diethylphthalate	NC	0.490 U	0.500 U	0.460 U
2,4-Dimethylphenol	NC	0.490 U	0.500 U	0.460 U
Dimethylphthalate	NC	0.490 U	0.260 J	0.220 J
Di-n-butylphthalate	NC	0.490 U	0.500 U	0.460 U
4,6-Dinitro-2-methylphenol	NC	0.490 UJ	0.500 UJ	0.460 UJ
2,4-Dinitrophenol	NC	0.490 UJ	0.500 UJ	0.460 UJ
2,4-Dinitrotoluene	NC	0.490 U	0.500 U	0.460 U
2,6-Dinitrotoluene	NC	0.490 U	0.500 U	0.460 U
Di-n-octylphthalate	NC	0.490 U	0.500 U	0.460 U
Fluoranthene	100	2.0	1.1	0.320 J
Fluorene	NC	0.490 U	0.500 U	0.460 U
Hexachlorobenzene	0.33	0.490 U	0.500 U	0.460 U
Hexachlorocyclopentadiene	NC	0.490 UJ	0.500 UJ	0.460 UJ
Hexachloroethane	NC	0.490 U	0.500 U	0.460 U
Indeno(1,2,3-cd)pyrene	0.5	0.400 J	0.500 U	0.460 U
Isophorone	NC	0.490 U	0.500 U	0.460 U
2-Methylnaphthalene	NC	0.490 U	0.500 U	0.460 U
2-Methylphenol	0.33	0.490 U	0.500 U	0.460 U
3&4-Methylphenol	0.33	0.490 U	0.500 U	0.460 U
Naphthalene	12	0.490 U	0.500 U	0.460 U
2-Nitroaniline	NC	0.490 U	0.500 U	0.460 U
3-Nitroaniline	NC	0.490 U	0.500 U	0.460 U
4-Nitroaniline	NC	0.490 U	0.500 U	0.460 U
Nitrobenzene	NC	0.490 U	0.500 U	0.460 U
2-Nitrophenol	NC	0.490 U	0.500 U	0.460 U
4-Nitrophenol	NC	0.490 U	0.500 U	0.460 U
N-Nitroso-di-n-propylamine	NC	0.490 U	0.500 U	0.460 U
N-Nitrosodiphenylamine	NC	0.490 U	0.500 U	0.460 U
Pentachlorophenol	0.8	0.490 U	0.500 U	0.460 U
Phenanthrene	100	1.6	0.920	0.200 J
Phenol	0.33	0.490 U	0.500 U	0.460 U
Pyrene	100	1.6	0.840	0.250 J
2,3,4,6-Tetrachlorophenol	NC	0.490 U	0.500 U	0.460 U
2,4,5-Trichlorophenol	NC	0.490 U	0.500 U	0.460 U
2,4,6-Trichlorophenol	NC	0.490 U	0.500 U	0.460 U

APPENDIX O TABLE 22 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Northwest Corner						
		MW-05(0-2)	MW-05(2-3')	MW-05(3-4')	MW-05(4-6')	SB-08(0-2')	SB-08(2-4')	SB-08(4-6')
		11/1/2012	11/1/2012	11/1/2012	11/1/2012	10/26/2012	10/26/2012	10/26/2012
Acenaphthene	20	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Acenaphthylene	100	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Anthracene	100	0.240	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Benzaldehyde	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Benzo(a)anthracene	1	1.0	0.094	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Benzo(a)pyrene	1	1.1	0.086	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Benzo(b)fluoranthene	1	1.6	0.140	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Benzo(g,h,i)perylene	100	0.980	0.085	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Benzo(k)fluoranthene	0.8	0.460	0.053	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
1,1'-Biphenyl	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
bis(2-Chloroethoxy)methane	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
bis(2-Chloroethyl)ether	NC	0.021 U	0.011 U	0.010 U	0.010 U	2.1 U	0.390 U	0.400 U
bis(2-Chloroisopropyl)ether	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
bis(2-Ethylhexyl)phthalate	NC	0.310	0.069	0.039 U	0.046	2.1 U	0.390 U	0.400 U
4-Bromophenyl-phenylether	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Butylbenzylphthalate	NC	4.1	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Carbazole	NC	0.094	0.011 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
4-Chloro-3-methylphenol	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
4-Chloroaniline	NC	0.041 U	0.020 U	0.019 U	0.019 U	2.1 U	0.390 U	0.400 U
2-Chloronaphthalene	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
2-Chlorophenol	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
4-Chlorophenyl-phenylether	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Chrysene	1	1.1	0.110	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Dibenzo(a,h)anthracene	0.33	0.240	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Dibenzofuran	7	0.021 U	0.011 U	0.010 U	0.010 U	2.1 U	0.390 U	0.400 U

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental

Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December.

NOTE: NYSDEC = New York State Department of Environmental Conservation
 SCO = Soil Cleanup Objective
 mg/kg = Milligrams per kilogram
 DUP = Duplicate field sample.
 J = Estimated concentration.
 U = Not detected; the associated value is the detection limit.
 NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8270.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the indicated SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 22 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Northwest Corner					West Boundary		
		SB-08(6-8')	SB-09(0-2')	SB-09(2-4')	SB-09(4-6')	SB-09(6-8')	SB-10(0-2')	SB-10(2-4')	SB-10(4-6')
		10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Acenaphthene	20	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Acenaphthylene	100	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Anthracene	100	0.410 U	3.1	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Benzaldehyde	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Benzo(a)anthracene	1	0.410 U	7.0	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Benzo(a)pyrene	1	0.410 U	7.3 J	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Benzo(b)fluoranthene	1	0.410 U	8.5 J	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Benzo(g,h,i)perylene	100	0.410 U	4.6 J	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Benzo(k)fluoranthene	0.8	0.410 U	3.2 J	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
1,1'-Biphenyl	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
bis(2-Chloroethoxy)methane	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
bis(2-Chloroethyl)ether	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
bis(2-Chloroisopropyl)ether	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
bis(2-Ethylhexyl)phthalate	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
4-Bromophenyl-phenylether	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Butylbenzylphthalate	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Carbazole	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
4-Chloro-3-methylphenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
4-Chloroaniline	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2-Chloronaphthalene	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2-Chlorophenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
4-Chlorophenyl-phenylether	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Chrysene	1	0.410 U	7.1	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Dibenzo(a,h)anthracene	0.33	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Dibenzofuran	7	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U

APPENDIX O TABLE 22 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY (CONT'D)

Area	NYSDEC	West Boundary	North Boundary						
Sample Name	Unrestricted Use	SB-10(6-8')	SB-22(0-2')	SB-22(2-4')	SB-22(4-6')	SB-22(6-7')	SB-23(0-2')	SB-23(2-4')	SB-23(4-6')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013
Acenaphthene	20	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Acenaphthylene	100	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Anthracene	100	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Benzaldehyde	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Benzo(a)anthracene	1	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Benzo(a)pyrene	1	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Benzo(b)fluoranthene	1	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Benzo(g,h,i)perylene	100	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Benzo(k)fluoranthene	0.8	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
1,1'-Biphenyl	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
bis(2-Chloroethoxy)methane	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
bis(2-Chloroethyl)ether	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
bis(2-Chloroisopropyl)ether	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
bis(2-Ethylhexyl)phthalate	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
4-Bromophenyl-phenylether	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Butylbenzylphthalate	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Carbazole	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
4-Chloro-3-methylphenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
4-Chloroaniline	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2-Chloronaphthalene	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2-Chlorophenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
4-Chlorophenyl-phenylether	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Chrysene	1	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Dibenzo(a,h)anthracene	0.33	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Dibenzofuran	7	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U

APPENDIX O TABLE 22 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCO _s ^(a) (mg/kg)	North Boundary					West Boundary			
		SB-23(6-8')	SB-24(0-2')	SB-24(2-4')	SB-24(4-6')	SB-24(6-8')	SB-25(0-1')	SB-25(1-2')	SB-25(4-6')	SB-25(6-8')
		4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013
Acenaphthene	20	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Acenaphthylene	100	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Anthracene	100	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.200 J	0.400 U	0.460 U	0.390 U
Benzaldehyde	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Benzo(a)anthracene	1	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.610	0.400 U	0.460 U	0.390 U
Benzo(a)pyrene	1	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.620	0.400 U	0.460 U	0.390 U
Benzo(b)fluoranthene	1	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.830	0.400 U	0.460 U	0.390 U
Benzo(g,h,i)perylene	100	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.400 J	0.400 U	0.460 U	0.390 U
Benzo(k)fluoranthene	0.8	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.340 J	0.400 U	0.460 U	0.390 U
1,1'-Biphenyl	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
bis(2-Chloroethoxy)methane	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
bis(2-Chloroethyl)ether	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
bis(2-Chloroisopropyl)ether	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
bis(2-Ethylhexyl)phthalate	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
4-Bromophenyl-phenylether	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Butylbenzylphthalate	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Carbazole	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
4-Chloro-3-methylphenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
4-Chloroaniline	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2-Chloronaphthalene	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2-Chlorophenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
4-Chlorophenyl-phenylether	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Chrysene	1	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.710	0.400 U	0.460 U	0.390 U
Dibenzo(a,h)anthracene	0.33	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Dibenzofuran	7	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U

APPENDIX O TABLE 22 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY

Area	NYSDEC	Northwest Corner						
Sample Name	Unrestricted Use	MW-05(0-2)	MW-05(2-3')	MW-05(3-4')	MW-05(4-6')	SB-08(0-2')	SB-08(2-4')	SB-08(4-6')
Sample Date	SCOs ^(a) (mg/kg)	11/1/2012	11/1/2012	11/1/2012	11/1/2012	10/26/2012	10/26/2012	10/26/2012
3,3'-Dichlorobenzidine	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
2,4-Dichlorophenol	NC	0.021 U	0.011 U	0.010 U	0.010 U	2.1 U	0.390 U	0.400 U
Diethylphthalate	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
2,4-Dimethylphenol	NC	0.021 U	0.011 U	0.010 U	0.010 U	2.1 U	0.390 U	0.400 U
Dimethylphthalate	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.387 U	0.396 U
Di-n-butylphthalate	NC	0.150	0.042 U	0.020 U	0.020 U	2.1 U	0.390 U	0.400 U
4,6-Dinitro-2-methylphenol	NC	0.430 U	0.210 U	0.200 U	0.200 U	2.1 U	0.390 U	0.400 U
2,4-Dinitrophenol	NC	0.430 U	0.210 U	0.200 U	0.200 U	2.1 U	0.390 U	0.400 U
2,4-Dinitrotoluene	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
2,6-Dinitrotoluene	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Di-n-octylphthalate	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Fluoranthene	100	2.0	0.150	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Fluorene	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Hexachlorobenzene	0.33	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Hexachlorocyclopentadiene	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Hexachloroethane	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Indeno(1,2,3-cd)pyrene	0.5	0.80	0.081	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Isophorone	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
2-Methylnaphthalene	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
2-Methylphenol	0.33	0.021 U	0.011 U	0.010 U	0.010 U	2.1 U	0.390 U	0.400 U
3&4-Methylphenol	0.33	0.021 U	0.011 U	0.010 U	0.010 U	2.1 U	0.390 U	0.400 U
Naphthalene	12	0.043	0.011 U	0.010 U	0.010 U	2.1 U	0.390 U	0.400 U
2-Nitroaniline	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
3-Nitroaniline	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
4-Nitroaniline	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Nitrobenzene	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
2-Nitrophenol	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
4-Nitrophenol	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
N-Nitroso-di-n-propylamine	NC	0.021 U	0.011 U	0.010 U	0.010 U	2.1 U	0.390 U	0.400 U
N-Nitrosodiphenylamine	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Pentachlorophenol	0.8	0.430 U	0.071 U	0.200 U	0.200 U	2.1 U	0.390 U	0.400 U
Phenanthrene	100	1.1	0.084	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Phenol	0.33	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
Pyrene	100	2.0	0.160	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
2,3,4,6-Tetrachlorophenol	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
2,4,5-Trichlorophenol	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U
2,4,6-Trichlorophenol	NC	0.085 U	0.042 U	0.039 U	0.040 U	2.1 U	0.390 U	0.400 U

APPENDIX O TABLE 22 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Northwest Corner					West Boundary		
		SB-08(6-8')	SB-09(0-2')	SB-09(2-4')	SB-09(4-6')	SB-09(6-8')	SB-10(0-2')	SB-10(2-4')	SB-10(4-6')
		10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012
3,3'-Dichlorobenzidine	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2,4-Dichlorophenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Diethylphthalate	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2,4-Dimethylphenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Dimethylphthalate	NC	0.407 U	2.317 U	0.391 U	0.159 J	0.392 U	0.397 U	0.383 U	0.411 U
Di-n-butylphthalate	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
4,6-Dinitro-2-methylphenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2,4-Dinitrophenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2,4-Dinitrotoluene	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2,6-Dinitrotoluene	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Di-n-octylphthalate	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Fluoranthene	100	0.410 U	19	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Fluorene	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Hexachlorobenzene	0.33	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Hexachlorocyclopentadiene	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Hexachloroethane	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Indeno(1,2,3-cd)pyrene	0.5	0.410 U	4.3	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Isophorone	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2-Methylnaphthalene	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2-Methylphenol	0.33	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
3&4-Methylphenol	0.33	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Naphthalene	12	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2-Nitroaniline	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
3-Nitroaniline	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
4-Nitroaniline	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Nitrobenzene	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2-Nitrophenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
4-Nitrophenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
N-Nitroso-di-n-propylamine	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
N-Nitrosodiphenylamine	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Pentachlorophenol	0.8	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Phenanthrene	100	0.410 U	12	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Phenol	0.33	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
Pyrene	100	0.410 U	15	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2,3,4,6-Tetrachlorophenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2,4,5-Trichlorophenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U
2,4,6-Trichlorophenol	NC	0.410 U	2.3 U	0.390 U	0.390 U	0.390 U	0.400 U	0.380 U	0.410 U

APPENDIX O TABLE 22 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	West Boundary	North Boundary						
		SB-10(6-8')	SB-22(0-2')	SB-22(2-4')	SB-22(4-6')	SB-22(6-7')	SB-23(0-2')	SB-23(2-4')	SB-23(4-6')
		10/26/2012	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013
3,3'-Dichlorobenzidine	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2,4-Dichlorophenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Diethylphthalate	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2,4-Dimethylphenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Dimethylphthalate	NC	0.402 U	4.2 U	0.220 J	0.200 J	0.180 J	0.190 J	0.200 J	0.160 J
Di-n-butylphthalate	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
4,6-Dinitro-2-methylphenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2,4-Dinitrophenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2,4-Dinitrotoluene	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2,6-Dinitrotoluene	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Di-n-octylphthalate	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Fluoranthene	100	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Fluorene	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Hexachlorobenzene	0.33	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Hexachlorocyclopentadiene	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Hexachloroethane	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Indeno(1,2,3-cd)pyrene	0.5	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Isophorone	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2-Methylnaphthalene	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2-Methylphenol	0.33	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
3&4-Methylphenol	0.33	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Naphthalene	12	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2-Nitroaniline	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
3-Nitroaniline	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
4-Nitroaniline	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Nitrobenzene	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2-Nitrophenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
4-Nitrophenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
N-Nitroso-di-n-propylamine	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
N-Nitrosodiphenylamine	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Pentachlorophenol	0.8	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Phenanthrene	100	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Phenol	0.33	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
Pyrene	100	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2,3,4,6-Tetrachlorophenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2,4,5-Trichlorophenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U
2,4,6-Trichlorophenol	NC	0.400 U	4.2 U	0.400 U	0.400 U	0.400 U	0.390 U	0.430 U	0.400 U

APPENDIX O TABLE 22 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BAKER HALL PROPERTY (CONT'D)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCO ^(a) (mg/kg)	North Boundary					West Boundary			
		SB-23(6-8')	SB-24(0-2')	SB-24(2-4')	SB-24(4-6')	SB-24(6-8')	SB-25(0-1')	SB-25(1-2')	SB-25(4-6')	SB-25(6-8')
		4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013	4/15/2013
3,3'-Dichlorobenzidine	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2,4-Dichlorophenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Diethylphthalate	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2,4-Dimethylphenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Dimethylphthalate	NC	0.170 J	0.180 J	0.200 J	0.180 J	0.180 J	0.200 J	0.190 J	0.190 J	0.390 U
Di-n-butylphthalate	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
4,6-Dinitro-2-methylphenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2,4-Dinitrophenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2,4-Dinitrotoluene	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2,6-Dinitrotoluene	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Di-n-octylphthalate	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Fluoranthene	100	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	1.7 J	0.400 U	0.460 U	0.390 U
Fluorene	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Hexachlorobenzene	0.33	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Hexachlorocyclopentadiene	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Hexachloroethane	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Indeno(1,2,3-cd)pyrene	0.5	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.320 J	0.400 U	0.460 U	0.390 U
Isophorone	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2-Methylnaphthalene	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2-Methylphenol	0.33	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
3&4-Methylphenol	0.33	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Naphthalene	12	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2-Nitroaniline	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
3-Nitroaniline	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
4-Nitroaniline	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Nitrobenzene	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2-Nitrophenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
4-Nitrophenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
N-Nitroso-di-n-propylamine	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
N-Nitrosodiphenylamine	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Pentachlorophenol	0.8	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Phenanthrene	100	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.920	0.400 U	0.460 U	0.390 U
Phenol	0.33	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
Pyrene	100	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	1.2 J	0.400 U	0.460 U	0.390 U
2,3,4,6-Tetrachlorophenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2,4,5-Trichlorophenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U
2,4,6-Trichlorophenol	NC	0.400 U	0.430 U	0.400 U	0.400 U	0.400 U	0.470 U	0.400 U	0.460 U	0.390 U

APPENDIX O TABLE 23 - SURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - BAKER HALL PROPERTY

Area	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Northwest Corner		West Boundary
Sample Name		SS-08	SS-09	SS-10
Sample Date		10/24/2012	10/24/2012	10/24/2012
Aldrin	0.005	0.002 U	0.003 U	0.002 U
BHC, alpha-	0.02	0.002 U	0.003 U	0.002 U
BHC, beta-	0.036	0.002 U	0.003 U	0.002 U
BHC, delta-	0.04	0.002 U	0.003 U	0.002 U
Chlordane, alpha-	0.094	0.002 U	0.003 U	0.002 U
Chlordane, beta-	NC	0.002 U	0.003 U	0.002 U
DDD, p,p'-	0.0033	0.002 U	0.003 U	0.002 U
DDE, p,p'-	0.0033	0.004	0.004	0.002 U
DDT, p,p'-	0.0033	0.010 J	0.040 J	0.002 U
Dieldrin	0.005	0.002 U	0.003 U	0.002 U
Endosulfan I	2.4	0.002 U	0.003 U	0.002 U
Endosulfan II	2.4	0.002 U	0.003 U	0.002 U
Endosulfan Sulfate	NC	0.002 U	0.003 U	0.002 U
Endrin	0.014	0.002 U	0.003 U	0.002 U
Endrin Aldehyde	NC	0.002 U	0.003 U	0.002 U
Endrin Ketone	NC	0.002 U	0.003 U	0.002 U
Heptachlor	0.042	0.002 U	0.003 U	0.002 U
Heptachlor Epoxide	NC	0.002 U	0.003 U	0.002 U
Lindane (BHC, gamma-)	0.1	0.002 U	0.003 U	0.002 U
Methoxychlor	NC	0.002 U	0.003 U	0.002 U
Toxaphene	NC	0.022 U	0.026 U	0.024 U
Aroclor-1016	0.1	0.022 UJ	0.026 U	0.024 UJ
Aroclor-1221	0.1	0.022 UJ	0.026 U	0.024 UJ
Aroclor-1232	0.1	0.022 UJ	0.026 U	0.024 UJ
Aroclor-1242	0.1	0.022 UJ	0.026 U	0.024 UJ
Aroclor-1248	0.1	0.022 UJ	0.026 U	0.024 UJ
Aroclor-1254	0.1	0.028 J	0.055 J	0.016 J
Aroclor-1260	0.1	0.022 UJ	0.026 U	0.024 UJ

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use SCOs. December.

NOTE:

NYSDEC	= New York State Department of Environmental Conservation
SCO	= Soil Cleanup Objective
mg/kg	= Milligrams per kilogram
U	= Not detected; the associated value is the detection limit.
J	= Estimated concentration.
BHC	= Benzene hexachloride
DDD	= Dichlorodiphenyldichloroethane
DDE	= Dichlorodiphenyldichloroethylene
DDT	= Dichlorodiphenyltrichloroethane
NA	= Not analyzed.
NC	= No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8081 and 8082.
Data Validation completed by Data Validation Services.
Bolded concentrations exceed the Unrestricted Use SCOs.
All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 24 - SUBSURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - BAKER HALL PROPERTY

Area	NYSDEC	Northwest Corner			West Boundary
Location	Unrestricted Use	SB-08(2-4')	SB-09(0-2')	SB-09(2-4')	SB-10(0-2')
Sample Date	SCOs ^(a) (mg/kg)	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Aldrin	0.005	0.002 U	0.002 U	0.002 U	0.002 U
BHC, alpha-	0.02	0.002 U	0.002 U	0.002 U	0.002 U
BHC, beta-	0.036	0.002 U	0.002 U	0.002 U	0.002 U
BHC, delta-	0.04	0.002 U	0.002 U	0.002 U	0.002 U
Chlordane, alpha-	0.094	0.002 U	0.002 U	0.002 U	0.002 U
Chlordane, beta-	NC	0.002 U	0.002 U	0.002 U	0.002 U
DDD, p,p'-	0.0033	0.002 U	0.002 U	0.002 U	0.002 U
DDE, p,p'-	0.0033	0.002 U	0.002 U	0.002 U	0.002 U
DDT, p,p'-	0.0033	0.002 UJ	0.002 U	0.002 U	0.002 U
Dieldrin	0.005	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan I	2.4	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan II	2.4	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	NC	0.002 U	0.002 U	0.002 U	0.002 U
Endrin	0.014	0.002 UJ	0.002 U	0.002 U	0.002 U
Endrin Aldehyde	NC	0.002 U	0.002 U	0.002 U	0.002 U
Endrin Ketone	NC	0.002 UJ	0.002 U	0.002 U	0.002 U
Heptachlor	0.042	0.002 UJ	0.002 U	0.002 U	0.002 U
Heptachlor Epoxide	NC	0.002 U	0.002 U	0.002 U	0.002 U
Lindane (BHC, gamma-)	0.1	0.002 U	0.002 U	0.002 U	0.002 U
Methoxychlor	NC	0.002 UJ	0.002 U	0.002 U	0.002 U
Toxaphene	NC	0.020 U	0.024 U	0.020 U	0.020 U
Aroclor-1016	0.1	0.020 U	0.024 U	0.020 U	0.020 U
Aroclor-1221	0.1	0.020 U	0.024 U	0.020 U	0.020 U
Aroclor-1232	0.1	0.020 U	0.024 U	0.020 U	0.020 U
Aroclor-1242	0.1	0.020 U	0.024 U	0.020 U	0.020 U
Aroclor-1248	0.1	0.020 U	0.024 U	0.020 U	0.020 U
Aroclor-1254	0.1	0.020 U	0.068 J	0.020 U	0.020 U
Aroclor-1260	0.1	0.020 U	0.024 U	0.020 U	0.020 U
(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use SCOs. December.					
NOTE:	NYSDEC	= New York State Department of Environmental Conservation			
	SCO	= Soil Cleanup Objective			
	mg/kg	= Milligrams per kilogram			
	U	= Not detected; the associated value is the detection limit.			
	J	= Estimated concentration.			
	BHC	= Benzene hexachloride			
	DDD	= Dichlorodiphenyldichloroethane			
	DDE	= Dichlorodiphenyldichloroethylene			
	DDT	= Dichlorodiphenyltrichloroethane			
	NA	= Not analyzed.			
	NC	= No criterion available.			
	Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8081 and 8082.				
	Data Validation completed by Data Validation Services.				
	All concentrations reported in mg/kg equivalent to parts per million (ppm).				

APPENDIX O TABLE 25 - SURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR

Area	NYSDEC	West				Cemetery			
Sample Name	Unrestricted Use	SS-19	SS-34	SS-35	SS-36	SS-37	SS-38	SS-39	SS-39A
Sample Date	SCOs ^(a) (mg/kg)	4/15/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/2/2013
Aluminum	NC	9,080	8,590 J	8,810 J	7,560 J	8,250	8,900	8,950	11,900 D
Antimony	NC	3.33 UJ	0.649 J	0.457 J	1.35 UJ	1.45 UJ	1.54 UJ	1.4 UJ	40.7 UJ
Arsenic	13	8.71	9.70	8.03	6.11	6.32	6.36	6.41	10.4 JD
Barium	350	95.8	133 J	105 J	67.9 J	67.4 J	81.3 J	82.1 J	97.6 D
Beryllium	7.2	0.100 J	0.263	0.319	0.399	0.293	0.280	0.316	4.89 UND
Cadmium	2.5	0.400 UJ	3.02 J	2.49 J	1.89 J	1.63	1.81	2.00	4.89 UD
Calcium	NC	8,270 J	6,020 J	11,300 J	13,800 J	17,700 J	5,070 J	4,020 J	6,590 J
Chromium	30	20.9 J	36.5 J	19.7 J	14.1 J	12.8 J	14.8 J	15.8 J	23.2 J
Cobalt	NC	11.9	10.9 J	10.9 J	6.87 J	9.66	12.1	12.2	12.2 JND
Copper	50	37 J	54.2 J	46.8 J	25 J	20.8	28.8	29.6	53.8 D
Cyanide, Total	27	NA	0.057 J	0.346 U	0.112 J	NA	NA	NA	NA
Iron	NC	30,900 J	26,000 J	23,900 J	16,900 J	18,100 J	22,000 J	22,600 J	31,200 J
Lead	63	162	238	177	105	42 J	55.5	59.5	114 D
Magnesium	NC	5,250 J	3,910 J	5,940 J	3,390 J	5,210 J	4,630 J	4,200 J	6,250 J
Manganese	1,600	426 J	845 J	487 J	403 J	389 J	429 J	398 J	556 J
Mercury	0.18	0.107	0.263	0.264	0.073	0.046	0.074	0.044	0.052
Nickel	30	35.8 J	31.5 J	29.2 J	19.1 J	24.7	31.7	33.7	32.4 JND
Potassium	NC	1,360	1,150 J	1,290 J	657 J	870 J	970 J	905 J	1,110 J
Selenium	3.9	0.730 J	4.02 J	3.77 J	2.83 J	2.60	3.76	3.31	16.3 UJ
Silver	2	1.18	0.224 J	R	R	0.290 UJ	0.309 UJ	0.280 UJ	8.14 UND
Sodium	NC	133 U	60.6 UJ	62.1 UJ	54 UJ	58 UJ	61.8 UJ	55.9 UJ	129 JND
Thallium	NC	1.25 J	1.11 JN	0.781 JN	0.428 JN	0.483 J	0.686 J	0.810 J	32.6 UD
Vanadium	NC	17.4	19.9	18.2	15.9	15.6	16.3	16.9	23.4 JD
Zinc	109	267 J	600 J	264 J	185 J	88.8 J	127 J	132 J	228 D

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup Objectives.

December.

NOTE: NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objective
mg/kg = Milligrams per kilogram
DUP = Duplicate field sample.
NA = Not analyzed.
D = Result obtained from a diluted sample analysis.
J = Estimated concentration.
N = The constituent is tentatively identified.
R = The data are rejected.
U = Not detected; the associated value is the detection limit.
NA = Not analyzed.
NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000 series for metals and total cyanide by 9010.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the indicated SCOs.

APPENDIX O TABLE 25 - SURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR (CONTINUED)

Area	NYSDEC	North of Baker			East				
Sample Name	Unrestricted Use	SS-40	SS-43	SS-46	SS-50	SS-51	SS-52	SS-53	SS-54
Sample Date	SCOs ^(a) (mg/kg)	7/1/2013	7/2/2013	7/2/2013	8/13/2013	8/13/2013	8/13/2013	8/13/2013	8/13/2013
Aluminum	NC	5,520	10,300 D	8,980 D	9,250	8,130	10,500	9,170	13,300
Antimony	NC	9.87 J	41.6 UJ	35.8 UJ	3.15 J	12.9 J	6.55 J	4.81 J	1.2 J
Arsenic	13	21.2	22 D	38.1 D	11.7	18.9	26.9	17.9	23.7
Barium	350	411 J	561 D	542 D	1,200	636	1,020	362	458
Beryllium	7.2	0.170 U	4.99 UND	4.29 UND	0.500	0.750	0.370	0.530	0.370
Cadmium	2.5	9.20	6.6 D	4.44 D	6.92	10.1	18.4	10.2	18.1
Calcium	NC	12,800 J	30,100 J	33,700 J	16,500	34,800	27,400	19,600	25,700
Chromium	30	37.4 J	66.2 J	63.6 J	42.9	51.1	65.4	75	85.6
Cobalt	NC	12.7	23.9 JND	21.9 ND	20.6	9.67	14.8	12.9	18.3
Copper	50	1,680	804 D	712 D	81.3	110	371	239	8,180 D
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	89,700 J	163,000 J	167,000 J	39,400	53,100	101,000	76,800	150,000 D
Lead	63	956	1,780 D	1,890 D	2,720	1,680	2,090	1,460	1,240
Magnesium	NC	1,550 J	3,230 J	2,160 J	6,090	6,420	3,850	4,070	2,750
Manganese	1,600	865 J	1,180 J	1,120 J	1,180	1,110	938	2,490	842
Mercury	0.18	0.319	0.851 D	0.098	0.326	0.416	0.333	0.159	0.144
Nickel	30	58.3	91.6 ND	90.1 ND	36.4	37.4	58.4	53.1	143
Potassium	NC	964 J	1,030 J	1,180 J	952	841	1,170	1,030	1,150
Selenium	3.9	9.00	16.6 UJ	14.3 UJ	0.870	0.770	0.390 J	0.620 U	0.560 U
Silver	2	0.135 J	8.32 UND	7.15 UND	4.22	5.58	11.7	8.68	12.0
Sodium	NC	255 J	90 JND	59.5 JND	137	274	686	456	827
Thallium	NC	4.34	33.3 UD	28.6 UD	1.09 J	1.16	1.01 J	3.47	0.930 J
Vanadium	NC	9.52	17.3 JD	12.2 JD	46.2	52.2	44.2	71.2	31.1
Zinc	109	1,070 J	2,040 D	2,730 D	1,160	1,570	1,990	1,180	1,620

APPENDIX O TABLE 25 - SURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR (CONTINUED)

Area	NYSDEC	East						
Sample Name	Unrestricted Use	SS-55	SS-55 (DUP)	SS-56	SS-57	SS-58	SS-59	SS-60
Sample Date	SCOs ^(a) (mg/kg)	2/21/2014	2/24/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014
Aluminum	NC	20,900	12,700	10,400	11,300	12,600	11,900	13,600
Antimony	NC	4.57 UN	1.29 JN	3.54 UN	3.94 UN	4.55 UN	3.68 UN	4.2 UN
Arsenic	13	21.2	21.3	8.40	9.55	10.53	12.0	9.13
Barium	350	348	389	103	90.4	98.2	79	108
Beryllium	7.2	0.548 U	0.471 U	0.424 U	0.472 U	0.546 U	0.442 U	0.504 U
Cadmium	2.5	7.34	10.65	1.53	0.957	1.33	1.38	1.29
Calcium	NC	40,700	42,600	15,500	13,100	18,800	14,100	6,470
Chromium	30	41.9	70.5	19.9	18.8	21.7	20.2	23.9
Cobalt	NC	17.8	23.3	12.9	13.5	15	13.9	15.1
Copper	50	240	328	49.5	38.5	43.8	38.8	41.9
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA
Iron	NC	90,000 D	125,500 D	32,000	31,700	34,800	35,000	34,500
Lead	63	960	1,360	151	82.1	101	71.7	72.4
Magnesium	NC	5,090	5,110	4,330	6,240	7,560	7,690	4,570
Manganese	1,600	835	959	499	474	571	551	583
Mercury	0.18	0.133	0.145	0.070	0.047	0.064	0.063	0.058
Nickel	30	61.9	86.2	39.9	36.7	40.7	38.4	43.8
Potassium	NC	1,940	1,580	1,310	1,760	2,160	1,830	1,770
Selenium	3.9	1.89	2.34	1.09 JN	1.13 JN	0.967 JN	1.22 JN	1.59 JN
Silver	2	1.67	1.94	0.428 J	0.787 U	0.910 U	0.344 J	0.325 J
Sodium	NC	186	380	58.2 J	67.2 J	77.6 J	88.8 J	44.4 J
Thallium	NC	3.66 UN	3.14 UN	2.83 UN	3.15 UN	3.64 UN	2.95 UN	3.36 UN
Vanadium	NC	21	22.2	18.5	20.2	24.1	21.9	24
Zinc	109	3.66 U	3.14 U	279	198	260	245	265

APPENDIX O TABLE 26 - SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Northwest				West			
		MW-08(0-2')	MW-08(0-2') (DUP)	MW-08(2-4')	MW-08(6-8')	SB-19(0-2')	SB-19(2-4')	SB-19(2-4') (DUP)	SB-19(4-6')
		11/6/2012	11/6/2012	11/6/2012	11/6/2012	4/15/2013	4/15/2013	4/15/2013	4/15/2013
Aluminum	NC	11,000	8,200	4,500	12,000	9,390	4,270	6,020	10,000
Antimony	NC	35 J	2.4 UJ	3.6 J	2.4 UJ	2.55 UJ	2.47 UJ	2.39 UJ	2.64 UJ
Arsenic	13	18.0	11.0	80.0	6.70	6.55	48.2 J	10.6 J	10.9
Barium	350	250	210	8,800	71.0	83.5	461	422	59.7
Beryllium	7.2	0.750 U	0.730 U	0.740 U	0.720 U	0.160 J	0.300 U	0.290 U	0.200 J
Cadmium	2.5	1.90	1.50	5.50	0.720 U	0.310 UJ	5.88 J	6.18 J	0.320 UJ
Calcium	NC	21,000 J	15,000 J	82,000 J	26,000 J	7,500 J	27,500 J	18,900 J	19,700 J
Chromium	30	26 J	24 J	74 J	18 J	16.2 J	46.8 J	50.6 J	16.4 J
Cobalt	NC	14.0	11.0	26.0	9.10	14.1	16.8	15.5	17.6
Copper	50	130 J	770 J	410 J	29 J	19.3 J	854 J	324 J	19.7 J
Cyanide, Total	27	100 J	110 J	NA	NA	NA	NA	NA	NA
Iron	NC	43,000 J	54,000 J	210,000 J	27,000 J	28,500 J	104,000 J	90,800 J	35,300 J
Lead	63	320 J	290 J	790 J	13 J	34.6	818	793	18.1
Magnesium	NC	7,700 J	5,300 J	2,200 J	12,000 J	4,890 J	1,300 J	1,060 J	9,000 J
Manganese	1,600	620 J	500 J	1,000 J	360 J	286 J	698 J	612 J	308 J
Mercury	0.18	0.180	0.160	0.390	0.100 U	0.035	1.3 D	2.09 D	0.015
Nickel	30	36 J	35 J	92 J	28 J	38.1 J	70.3 J	90.2 J	46.5 J
Potassium	NC	1,600 J	1,300 J	630 J	1,900 J	693	523	595	1,150
Selenium	3.9	2.2 U	2.2 U	2.2 U	2.2 U	0.470 J	0.990 U	0.960 U	0.500 J
Silver	2	3.2 J	1.8 U	1.9 U	1.8 U	1.1	0.150 J	2.41 J	1.39
Sodium	NC	310 U	300 U	1,400	300 U	102 U	121	111	106 U
Thallium	NC	1.5 U	1.5 U	1.5 U	1.4 U	1 J	5.05	4.19	1.21 J
Vanadium	NC	24.0	17.0	13.0	24.0	17.0	2.60	2.20	16.5
Zinc	109	440	450	2,700	73.0	101 J	1,350 J	757 J	95 J

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup Objectives.

December.

NOTE: NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objective
mg/kg = Milligrams per kilogram
DUP = Duplicate field sample.
NA = Not analyzed.
D = Result obtained from a diluted sample analysis.
J = Estimated concentration.
N = The constituent is tentatively identified.
R = The data are rejected.
U = Not detected; the associated value is the detection limit.
NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000 series and total cyanide by 9010.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the indicated SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR (CONTINUED)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	West							
		SB-19(6-7')	SB-34(0-1')	SB-34(1-2')	SB-34(2-3')	SB-34(2-3') (DUP)	SB-34(3-4')	SB-35(0-1')	SB-35(1-2')
		4/15/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Aluminum	NC	10,100	8,560 J	9,510 J	10,400 J	14,200 J	10,800 J	11,900 J	6,520 J
Antimony	NC	2.43 UJ	0.530 J	1.51 J	1.45 UJ	1.41 UJ	1.37 UJ	1.4 UJ	11 J
Arsenic	13	9.65	6.16	11.2	8.50	6.41	8.34	8.63	28.0
Barium	350	66.0	102 J	249 J	81.1 J	128 J	66.5 J	90.3 J	468 J
Beryllium	7.2	0.210 J	0.254	0.167 JN	0.310	0.510	0.358	0.359	0.175 UN
Cadmium	2.5	0.290 UJ	2.14 J	3.75 J	1.57 J	2.05 J	2.32 J	2.33 J	15.4 J
Calcium	NC	20,200 J	9,700 J	10,800 J	3,100 J	3,680 J	19,000 J	18,900 J	15,600 J
Chromium	30	16.6 J	15 J	22.5 J	15.9 J	19.3 J	15.6 J	18.4 J	46.5 J
Cobalt	NC	17.1	10.8 J	11.1 J	12.8 J	14.3 J	12.6 J	14.6 J	12 J
Copper	50	19.3 J	38.4 J	103 J	27.7 J	27.3 J	27.8 J	30.5 J	447 J
Cyanide, Total	27	NA	0.297 U	0.709	0.307 U	0.302 U	0.303 U	0.298 U	1.42
Iron	NC	35,200 J	22,900 J	33,700 J	24,600 J	25,900 J	24,000 J	26,900 J	91,600 J
Lead	63	16.6	136	356	20.1	16.4	22.3	53.0	1,370
Magnesium	NC	9,340 J	4,870 J	4,710 J	4,350 J	4,570 J	8,550 J	9,750 J	1,720 J
Manganese	1,600	404 J	362 J	443 J	330 J	344 J	265 J	391 J	609 J
Mercury	0.18	0.015	0.275	0.826 D	0.010 J	0.022	0.010 J	0.681 D	1.48 D
Nickel	30	48.6 J	28.9 J	35.6 J	33.5 J	45.3 J	31.6 J	36.5 J	50 J
Potassium	NC	1,170	846 J	935 J	840 J	584 J	1,090 J	1,770 J	625 J
Selenium	3.9	0.540 J	3.46 J	5.21 J	3.52 J	3.7 J	3.51 J	3.69 J	9.72 J
Silver	2	1.48	R	0.804 J	R	R	R	R	R
Sodium	NC	97 U	48.7 UJ	60.1 UJ	57.8 UJ	56.3 UJ	55 UJ	28.4 J	42.2 J
Thallium	NC	1.19 J	1.01	1.44	0.970 JN	0.822 JN	0.849 JN	0.908 JN	4.3
Vanadium	NC	16.8	15.1	16.4	18.4	21.6	18.0	21.7	13.1
Zinc	109	94.7 J	175 J	462 J	76 J	71.9 J	70 J	130 J	1,320 J

APPENDIX O SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR (CONTINUED)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	West						Cemetery	
		SB-35(2-3')	SB-35(3-4')	SB-36(0-1')	SB-36(1-2')	SB-36(2-3')	SB-36(3-4')	SB-37(0-1')	SB-37(0-1') (DUP)
		7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Aluminum	NC	6,620 J	9,860 J	8,720 J	9,760 J	12,600 J	11,500 J	7,650	12,100
Antimony	NC	9.91 J	1.38 UJ	1.24 UJ	1.37 UJ	1.33 UJ	1.34 UJ	1.21 UJ	0.380 J
Arsenic	13	42.3	7.09	6.57	9.72	9.14	12.1	5.84	7.70
Barium	350	1,050 J	58.5 J	72.8 J	74.9 J	80.9 J	70.5 J	73.6 J	92.8 J
Beryllium	7.2	0.199 UN	0.249	0.509	0.384	0.396	0.313	0.235	0.374
Cadmium	2.5	11.9 J	1.47 J	2.09 J	2.11 J	2.05 J	2.09 J	1.58	2.22
Calcium	NC	20,000 J	19,000 J	18,500 J	2,070 J	23,800 J	21,700 J	9,590 J	9,690 J
Chromium	30	60.3 J	14.6 J	14.7 J	13.9 J	18.1 J	16.6 J	12.3 J	16.6 J
Cobalt	NC	12.8 J	11.9 J	7.44 J	19.6 J	13.5 J	14.3 J	10.7	12.0
Copper	50	1,030 J	23.9 J	22.9 J	21.7 J	27.8 J	30.6 J	25.9	27.6
Cyanide, Total	27	4.72	0.067 J	0.306 U	0.310 U	0.300 U	0.303 U	NA	NA
Iron	NC	112,000 J	22,100 J	18,800 J	26,600 J	26,900 J	28,400 J	19,400 J	23,900 J
Lead	63	892	13.8	101	19.1	16.2	19.9	34.0	472 J
Magnesium	NC	1,110 J	9,030 J	4,320 J	2,490 J	10,800 J	10,200 J	4,850 J	5,080 J
Manganese	1,600	628 J	286 J	927 J	663 J	268 J	267 J	310 J	442 J
Mercury	0.18	1.5 D	0.015	0.036	0.034	0.012	0.008 J	0.030	0.054
Nickel	30	64.2 J	31.1 J	19.9 J	28.7 J	36.8 J	35.4 J	27.6	31.8
Potassium	NC	676 J	1,170 J	683 J	417 J	1,060 J	1,140 J	713 J	790 J
Selenium	3.9	13 J	3.18 J	3.12 J	3.87 J	3.48 J	3.68 J	2.66	3.44
Silver	2	R	R	R	R	R	R	0.243 UJ	0.285 UJ
Sodium	NC	32.3 J	55.2 UJ	13.7 J	54.7 UJ	53 UJ	53.7 UJ	48.6 UJ	57 UJ
Thallium	NC	5.57	0.909 JN	0.732 JN	0.848 JN	0.987 JN	0.951 JN	0.749 J	0.852 J
Vanadium	NC	14.6	16.6	17.6	22.1	20.1	20.4	13.9	18.3
Zinc	109	1,960 J	67.6 J	166 J	54.7 J	77 J	75.2 J	84.5 J	139 J

APPENDIX O SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR (CONTINUED)

Area	NYSDEC	Cemetery					North of Baker		
Sample Name	Unrestricted Use	SB-37(1-2')	SB-38(0-1')	SB-38(1-2')	SB-39(0-1')	SB-39(1-2')	SB-40(0-1')	SB-40(1-2')	SB-43(0-1')
Sample Date	SCOs ^(a) (mg/kg)	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/2/2013
Aluminum	NC	9,110	8,970	9,180	9,770	8,790	7,050	9,860	15,500 D
Antimony	NC	1.24 UJ	1.48 UJ	0.348 J	1.37 UJ	1.41 UJ	16 J	1.35 UJ	38.6 UJ
Arsenic	13	6.91	6.99	6.79	8.48	6.57	36.9	6.12	21.8 D
Barium	350	87.7 J	86.5 J	86.6 J	91.9 J	75.7 J	598 J	115 J	1,010 D
Beryllium	7.2	0.298	0.244	0.276	0.248	0.289	0.155 U	0.345	4.63 UND
Cadmium	2.5	1.92	1.94	2.03	2.34	1.71	12.3	1.94	4.55 JD
Calcium	NC	10,900 J	7,100 J	11,300 J	16,100 J	8,710 J	44,300 J	3,500 J	39,300 J
Chromium	30	14.4 J	16.4 J	15.1 J	16.2 J	14.3 J	43.9 J	14.5 J	61.4 J
Cobalt	NC	12.9	12.4	12.7	14.0	12.1	17.6	9.18	15.9 JND
Copper	50	28.8	29.8	28.3	36.6	26.6	1,820	17.2	513 D
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	22,500 J	23,800 J	25,700 J	27,600 J	22,600 J	125,000 J	22,900 J	99,900 J
Lead	63	43.4	65.9	36.7	71.9	35.8	1,880	49.9	1,380 D
Magnesium	NC	5,770 J	5,210 J	5,910 J	7,660 J	5,230 J	1,930 J	2,660 J	4,820 J
Manganese	1,600	434 J	389 J	428 J	454 J	333 J	860 J	310 J	1,230 J
Mercury	0.18	0.071	0.057	0.026	0.038	0.030	0.053	0.050	1.58 D
Nickel	30	33.8	33.4	33.3	36.5	30.9	76.7	22.6	58 ND
Potassium	NC	789 J	851 J	843 J	978 J	750 J	1,230 J	1,190 J	1,810 J
Selenium	3.9	3.17	3.55	3.72	3.80	3.14	6.18	3.57	15.4 UJ
Silver	2	0.249 UJ	0.295 UJ	0.282 UJ	0.273 UJ	0.282 UJ	0.258 UJ	0.270 UJ	7.72 UND
Sodium	NC	49.7 UJ	59.1 UJ	56.4 UJ	54.7 UJ	56.4 UJ	1,190 J	17.9 J	1,290 JND
Thallium	NC	0.969 J	0.847 J	0.960 J	1.04 J	0.848 J	5.83	0.716 J	30.9 UD
Vanadium	NC	16.1	16.8	16.5	17.6	16.0	7.72	20.3	22.9 JD
Zinc	109	106 J	166 J	205 J	136 J	89.1 J	1,230 J	91.1 J	2,310 D

APPENDIX O SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR (CONTINUED)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	North of Baker					East		
		SB-43(1-2')	SB-43(2-3')	SB-46(0-1')	SB-46(0-1') (DUP)	SB-46(1-2')	SB-50(0-1')	SB-50(0-1') (DUP)	SB-50(1-2')
		7/2/2013	8/13/2013	7/2/2013	7/2/2013	7/2/2013	8/13/2013	8/13/2013	8/13/2013
Aluminum	NC	13,100 D	11,500	14,700 D	13,900 D	19,800 D	10,800	10,600	14,000
Antimony	NC	34.2 UJ	0.810 J	39.4 UJ	34.7 UJ	40.4 UJ	2.5 J	1.09 J	0.690 J
Arsenic	13	9.72 JD	11.0	24.8 D	17 D	8.44 JD	13.8	13.3	6.83
Barium	350	509 D	73.5	857 D	892 D	173 D	600	475	116
Beryllium	7.2	4.11 UND	0.490	4.73 UND	4.16 UND	4.84 UND	0.650	0.720	0.640
Cadmium	2.5	2.14 JD	1.46	7.02 D	7.25 D	4.84 UD	5.61	5.88	1.85
Calcium	NC	25,100 J	2,830	34,000 D	50,100 J	5,440 J	11,900	11,700	2,870
Chromium	30	38.8 J	16.9	92.3 D	76.8 J	27.3 J	42.6	35.7	19.9
Cobalt	NC	12.7 JND	14.3	21.5 J	18.3 JND	15.7 JND	11.6 J	39.8 J	13.6
Copper	50	173 D	18.5	480 D	765 D	26.6 D	54.8	63.7	10.2
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	42,900 J	34,400	152,000 D	162,000 J	41,700 J	40,700	37,100	35,300
Lead	63	976 D	16.8	1,480 D	1,880 D	60.8 D	1,620	1,290	63.3
Magnesium	NC	4,030 J	4,690	2,910 D	2,580 J	5,960 J	5,630	4,800	4,260
Manganese	1,600	600 J	224	1,360 D	1,180 J	1,110 J	627 J	1,170 J	566
Mercury	0.18	0.107	0.017	0.239	0.229	0.073	0.269	0.318	0.057
Nickel	30	40.1 ND	38.3	92.5 J	65.7 ND	39.2 ND	44.5	39.7	36.2
Potassium	NC	1,180 J	1,080	1,270 J	1,380 J	1,280 J	888	786	722
Selenium	3.9	13.7 UJ	0.700	15.8 UJ	13.9 UJ	16.1 UJ	1.45	0.830	0.740
Silver	2	6.85 UND	3.09	R	6.93 UND	8.07 UND	4.25	3.78	3.20
Sodium	NC	434 JND	95.8	635 J	562 JND	163 JND	177	193	105
Thallium	NC	27.4 UD	0.980 U	4.37 J	27.7 UJ	32.3 UD	0.500 J	1.30	0.600 J
Vanadium	NC	22.1 JD	24.9	20.9 JD	20.4 JD	33.7 D	36.0	45.2	33.5
Zinc	109	947 D	90.3	2,600 D	2,430 D	202 D	987	838	118

APPENDIX O SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR (CONTINUED)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	East							
		SB-51(0-1')	SB-51(1-2')	SB-52(0-1')	SB-52(1-2')	SB-53(0-1')	SB-53(1-2')	SB-54(0-1')	SB-54(1-2')
		8/13/2013	8/13/2013	8/13/2013	8/13/2013	8/13/2013	8/13/2013	8/13/2013	8/13/2013
Aluminum	NC	9,870	13,500	15,600	12,300	8,840	6,660	10,200	12,600
Antimony	NC	3.87 J	1.11 J	32.9 J	1.01 J	4.95 J	6.81 J	17.7 J	27 J
Arsenic	13	20.7	10.5	21.7	9.02	29.5	37.6	34.5	34.8
Barium	350	350	125	718	134	498	411	473	598
Beryllium	7.2	0.990	0.690	0.220	0.630	0.600	0.430	0.260	1.00
Cadmium	2.5	12.9	2.66	20.3	2.24	27.7	17.5	23.3	57.5
Calcium	NC	52,000	4,030	29,000	4,100	24,800	21,700	27,300	27,700
Chromium	30	44.9	22.0	55.2	19.5	68.5	51.9	73.1	146
Cobalt	NC	9.72	15.8	15.9	15.0	28.0	27.0	18.4	44.9
Copper	50	104	25.8	427	14.8	407	394	588	1,470
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	65,500	39,300	107,000	40,900	192,000 D	147,000 D	158,000 D	296,000 D
Lead	63	1,310	79.6	3,530	62.5	1,620	1,170	1,670	3,340
Magnesium	NC	6,830	4,050	1,660	4,070	2,640	1,630	1,380	1,480
Manganese	1,600	1,140	598	860	631	1,110	947	913	1,450
Mercury	0.18	0.506	0.084	0.151	0.060	0.170	0.132	0.056	0.232
Nickel	30	45.0	42.9	90.8	40.0	134	125	125	250
Potassium	NC	828	1,020	1,450	966	771	812	1,120	858
Selenium	3.9	0.880	0.800	0.570 U	0.900	0.550 U	0.500 U	0.480 U	0.540 U
Silver	2	6.99	3.64	12.7	3.76	14.6	11.2	14.5	19.1
Sodium	NC	312	108	1,320	109	1,330	2,810	1,830	1,200
Thallium	NC	1.37	0.620 J	0.440 J	0.650 J	1.64	1.05	1.17	2.86
Vanadium	NC	45.4	35.9	31.5	34.2	37.7	30.6	29.8	44.0
Zinc	109	1,520	195	2,830	355	1,360	862	1,850	1,580

APPENDIX O SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR (CONTINUED)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	East							
		SB-55(0-1')	SB-55(1-2')	SB-55(2-3')	SB-55(10-11')	SB-56(0-1')	SB-56(1-2')	SB-56(2-3')	SB-56(3-4')
		2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014
Aluminum	NC	10,000	3,460	11,700	7,190	10,200	13,200	13,700	9,220
Antimony	NC	19.0	2.19 UN	2.66 UN	2.99 UN	2.81 UN	2.72 UN	2.69 UN	2.62 UN
Arsenic	13	18.4	6.33	42.2	4.0	9.8	7.06	6.87	5.25
Barium	350	300	72.1	787	47.6	117	106	105	66.0
Beryllium	7.2	0.418 U	0.262 U	0.319 U	0.359 U	0.337 U	0.326 U	0.323 U	0.315 U
Cadmium	2.5	6.67	1.87	47.5	0.165 JN	2.09	1.15	0.680	0.525
Calcium	NC	33,600	109,000	36,700	1,790	32,700	6,700	2,950	1,830
Chromium	30	39.1	12.4	132	11.7	18.3	19.3	19.9	13.3
Cobalt	NC	15.4	5.21	32.6	6.84	12	16.8	16.6	12.7
Copper	50	205	89.3	484	17.2	55.4	29.2	25.6	20.4
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	76,200 D	28,000	241,500 D	13,100	38,300	34,200	34,500	23,800
Lead	63	1,780	339	8,210	10.88	141	56	17.7	14.3
Magnesium	NC	4,460	4,220	1,960	2,630	5,160	4,450	4,620	3,090
Manganese	1,600	712	234	1,310	103	430	518	480	383
Mercury	0.18	0.173	0.061	0.199	0.018	0.053	0.046	0.035	0.031
Nickel	30	57.2	24.6	245	23.9	35.1	45.8	46.3	33.7
Potassium	NC	1,430	516	771	792	792	758	801	653
Selenium	3.9	1.6	0.874 UN	1.06 UN	0.653 JN	1.2	1.33	1.46	0.639 JN
Silver	2	1.28	0.348 J	0.532 U	0.598 U	0.376 J	0.519 J	0.550	0.235 J
Sodium	NC	145	159	904	45.1 J	82.3 J	38.6 J	33.8 J	33.9 J
Thallium	NC	2.79 UN	1.75 UN	2.13 UN	2.39 UN	2.25 UN	2.17 UN	2.15 UN	2.1 UN
Vanadium	NC	18.2	6.16	19.8	14.3	16.5	21	21.5	16.5
Zinc	109	2.79 U	284	2.13 U	63	357	161	110	75.2

APPENDIX O SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR (CONTINUED)

Area Sample Name Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	East							
		SB-57(0-1')	SB-57(1-2')	SB-57(2-3')	SB-58(0-1')	SB-58(1-2')	SB-58(2-3')	SB-58(2-3') (DUP)	SB-59(0-1')
		2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/24/2014	2/21/2014
Aluminum	NC	12,100	15,200	12,800	8,010	9,780	10,200	10,100	12,300
Antimony	NC	2.61 UN	2.74 UN	2.61 UN	2.59 UN	2.63 UN	2.73 UN	2.75 UN	2.67 UN
Arsenic	13	9.48	6.77	7.79	7.90	6.43	6.95	6.49	10.97
Barium	350	89.1	111	89.7	60.2	77.2	71.1	73.3	71.6
Beryllium	7.2	0.313 U	0.329 U	0.313 U	0.310 U	0.316 U	0.327 U	0.330 U	0.320 U
Cadmium	2.5	1.38	0.654	0.910	1.10	0.465	0.573	0.380	0.901
Calcium	NC	17,400	3,160	3,520	76,100	3,200	2,570	3,320	23,900
Chromium	30	19.5	22	18.6	13.5	14.5	14.9	15.2	18.3
Cobalt	NC	15.5	16.5	20.1	9.57	13	12.8	13.6	16.5
Copper	50	34.4	23.1	23	25	17.4	20.7	21.2	29.6
Cyanide, Total	27	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NC	34,000	36,900	35,500	23,000	26,700	26,800	27,000	33,800
Lead	63	79.5	18.3	21.5	58.3	14.9	21.1	18.0	30.5
Magnesium	NC	7,240	5,120	4,420	6,580	3,250	3,340	3,470	9,920
Manganese	1,600	443	571	634	328	391	492	466	491
Mercury	0.18	0.032	0.048	0.040	0.038	0.037	0.059	0.064	0.030
Nickel	30	41.0	48.2	42.3	31.1	33.6	33.3	34.4	40.1
Potassium	NC	1,430	928	802	1,090	764	801	777	1,570
Selenium	3.9	1.06	1.52	1.41	0.779 J	1.04 J	1.26	1.19	1.18
Silver	2	0.322 J	0.603	0.472 J	0.253 J	0.289 J	0.292 J	0.316 J	0.218 J
Sodium	NC	69.1 J	35.7 J	36.2 J	80.3 J	31.1 J	39.7 J	40.8 J	85.5 J
Thallium	NC	2.08 UN	2.19 UN	2.09 UN	2.07 UN	2.1 UN	2.18 UN	2.2 UN	2.13 UN
Vanadium	NC	21.3	24.0	21.4	14.7	16.6	18.4	18.3	21.4
Zinc	109	193	121	107	152	82.3	101	87.2	122

APPENDIX O SUBSURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR (CONTINUED)

Area	NYSDEC	East	East		North			
Sample Name	Unrestricted Use	SB-59(1-2')	SB-60(0-1')	SB-60(1-2')	SD-06FP	SD-10FP	SD-11FP	SD-12FP
Sample Date	SCOs ^(a) (mg/kg)	2/21/2014	2/21/2014	2/21/2014	10/18/2012	4/15/2013	4/15/2013	4/15/2013
Aluminum	NC	13,000	13,200	12,600	8,810	9,670	10,800	10,300
Antimony	NC	2.66 UN	3.13 UN	2.71 UN	1.43 UJ	2.69 UJ	3 UJ	2.84 UJ
Arsenic	13	6.57	6.79	6.35	6.53	6.72	7.86	7.48
Barium	350	74.5	103	98.9	91.2 J	63.8	90.7	90.1
Beryllium	7.2	0.319 U	0.376 U	0.325 U	0.310	0.210 J	0.230 J	0.250 J
Cadmium	2.5	0.639	0.989	0.706	0.900	0.320 UJ	0.360 UJ	0.340 UJ
Calcium	NC	3,030	4,130	2,300	17,900 J	18,600 J	28,300 J	25,800 J
Chromium	30	18.5	20.3	18.8	16.4 J	15.9 J	18.8 J	17.2 J
Cobalt	NC	13.1	15.0	14.7	11.3	15.9	18.3	14.4
Copper	50	18.2	25.1	22.6	43.8 J	19.8 J	22.4 J	19.9 J
Cyanide, Total	27	NA	NA	NA	0.052 J	0.315 U	0.342 U	0.128 J
Iron	NC	32,600	30,300	30,800	26,500 J	30,800 J	35,600 J	31,300 J
Lead	63	18.7	25.9	22.8	97.1	16.4	35.0	16.7
Magnesium	NC	4,370	4,360	4,250	5,580 J	10,200 J	11,200 J	11,300 J
Manganese	1,600	280	499	397	557 J	376 J	545 J	298 J
Mercury	0.18	0.039	0.044	0.055	0.060	0.010 J	0.010 J	0.013 U
Nickel	30	36.3	44.5	43.3	36.5	42 J	45.7 J	41.5 J
Potassium	NC	780	993	813	1,050 J	1,380	1,840	1,570
Selenium	3.9	1.08	1.02 J	1.49	4.14	0.590 J	0.640 J	1.14 U
Silver	2	0.532 U	0.626 U	0.315 J	0.550	1.16	1.39	1.10
Sodium	NC	58.6 J	45.5 J	49.8 J	44.7 J	108 U	34.6 J	128
Thallium	NC	2.13 UN	2.5 UN	2.17 UN	1.89	0.950 J	1.01 J	0.730 J
Vanadium	NC	21.4	22.1	20.9	14.6	16.0	19.4	18.3
Zinc	109	86.4	163	119	198 J	86.6 J	119 J	85.7 J

APPENDIX O, TABLE 27 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	NYSDEC	Northwest		North
Sample Name	Unrestricted Use	MW-08(0-2')	MW-08(0-2') (DUP)	SD-06FP
Sample Date	SCOs ^(a) (mg/kg)	11/6/2012	11/6/2012	10/18/2012
Acetone	0.05	0.012 U	0.012 U	0.035 U
Benzene	0.06	0.001 U	0.001 U	0.007 U
Bromochloromethane	NC	0.002 U	0.002 U	0.007 U
Bromodichloromethane	NC	0.002 U	0.002 U	0.007 U
Bromoform	NC	0.002 UJ	0.002 UJ	0.007 U
Bromomethane	NC	0.002 U	0.002 U	0.007 U
2-Butanone	0.12	0.002 U	0.002 U	0.035 U
Carbon disulfide	NC	0.002 U	0.002 U	0.007 U
Carbon tetrachloride	0.76	0.002 U	0.002 U	0.007 U
Chlorobenzene	1.1	0.002 U	0.002 U	0.007 U
Chlorodibromomethane	NC	0.002 U	0.002 U	0.007 U
Chloroethane	NC	0.002 U	0.002 U	0.007 U
Chloroform	0.37	0.002 U	0.002 U	0.007 U
Chloromethane	NC	0.002 U	0.002 U	0.007 U
Cyclohexane	NC	0.002 U	0.002 U	0.007 U
1,2-Dibromo-3-chloropropane	NC	0.002 U	0.002 U	0.007 UJ
1,2-Dibromoethane	NC	0.001 U	0.001 U	0.007 U
1,2-Dichlorobenzene	1.1	0.002 U	0.002 U	0.007 UJ
1,3-Dichlorobenzene	2.4	0.002 U	0.002 U	0.007 UJ
1,4-Dichlorobenzene	1.8	0.002 U	0.002 U	0.007 UJ
Dichlorodifluoromethane	NC	0.002 U	0.002 U	0.007 U
1,1-Dichloroethane	0.27	0.002 U	0.002 U	0.007 U
1,2-Dichloroethane	0.02	0.002 U	0.002 U	0.007 U
1,1-Dichloroethene	0.33	0.002 U	0.002 U	0.007 U
cis-1,2-Dichloroethene	0.25	0.002 U	0.002 U	0.007 U
trans-1,2-Dichloroethene	0.19	0.002 U	0.002 U	0.007 U
(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December.				
NOTE:	NYSDEC	= New York State Department of Environmental Conservation		
	SCO	= Soil Cleanup Objective		
	mg/kg	= Milligrams per kilogram		
	J	= Estimated concentration.		
	U	= Not detected; the associated value is the detection limit.		
	NC	= No criterion available.		
	Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260.			
	Data Validation completed by Data Validation Services.			
	All concentrations reported in mg/kg equivalent to parts per million (ppm).			

APPENDIX O, TABLE 27 - SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	NYSDEC	Northwest		North
Sample Name	Unrestricted Use	MW-08(0-2')	MW-08(0-2') (DUP)	SD-06FP
Sample Date	SCOs ^(a) (mg/kg)	11/6/2012	11/6/2012	10/18/2012
1,2-Dichloropropane	NC	0.002 U	0.002 U	0.007 U
cis-1,3-Dichloropropene	NC	0.002 U	0.002 U	0.007 U
trans-1,3-Dichloropropene	NC	0.002 U	0.002 U	0.007 U
Ethylbenzene	1	0.001 U	0.001 U	0.007 U
2-Hexanone	NC	0.002 UJ	0.002 UJ	0.035 U
Isopropylbenzene	NC	0.001 U	0.001 U	0.007 UJ
Methyl acetate	NC	0.002 U	0.002 U	0.007 U
Methyl cyclohexane	NC	0.002 U	0.002 U	0.007 U
Methyl tert-butyl ether	0.93	0.001 U	0.001 U	0.007 U
4-Methyl-2-pentanone	NC	0.002 U	0.002 U	0.035 U
Methylene chloride	0.05	0.002 U	0.002 U	0.007 U
Styrene	NC	0.002 U	0.002 U	0.007 U
1,1,2,2-Tetrachloroethane	NC	0.002 UJ	0.002 UJ	0.007 UJ
Tetrachloroethene	1.3	0.002 U	0.002 U	0.007 U
Toluene	0.7	0.001 U	0.001 U	0.007 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NC	0.002 U	0.002 U	0.007 U
1,2,3-Trichlorobenzene	NC	0.002 U	0.002 U	0.007 UJ
1,2,4-Trichlorobenzene	NC	0.002 U	0.002 U	0.007 UJ
1,1,1-Trichloroethane	0.68	0.002 U	0.002 U	0.007 U
1,1,2-Trichloroethane	NC	0.002 U	0.002 U	0.007 U
Trichloroethene	0.47	0.002 U	0.002 U	0.007 U
Trichlorofluoromethane	NC	0.002 U	0.002 U	0.007 U
Vinyl chloride	0.02	0.002 U	0.002 U	0.007 U
Xylene, o	0.26	0.001 U	0.001 U	0.007 U
Xylene, m+p	0.26	0.001 U	0.001 U	0.014 U
Xylenes, Total	0.26	0.001 U	0.001 U	NA

APPENDIX O TABLE 28 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	NYSDEC	Northwest				North
Sample Name	Unrestricted Use	MW-08(0-2')	MW-08(0-2') (DUP)	MW-08(2-4')	MW-08(6-8')	SD-06FP
Sample Date	SCOs ^(a) (mg/kg)	11/6/2012	11/6/2012	11/6/2012	11/6/2012	10/18/2012
Acenaphthene	20	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Acenaphthylene	100	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Anthracene	100	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Benzaldehyde	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Benzo(a)anthracene	1	0.042 U	0.077	0.120	0.040 U	0.460 U
Benzo(a)pyrene	1	0.042 U	0.073	0.100	0.040 U	0.460 U
Benzo(b)fluoranthene	1	0.052	0.110	0.140	0.040 U	0.190 J
Benzo(g,h,i)perylene	100	0.042	0.078	0.088	0.040 U	0.460 U
Benzo(k)fluoranthene	0.8	0.042 U	0.041 U	0.058	0.040 U	0.460 U
1,1'-Biphenyl	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
bis(2-Chloroethoxy)methane	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
bis(2-Chloroethyl)ether	NC	0.010 U	0.010 U	0.010 U	0.010 U	0.460 U
bis(2-Chloroisopropyl)ether	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
bis(2-Ethylhexyl)phthalate	NC	0.091 J	0.220 J	0.380	0.040 U	0.460 U
4-Bromophenyl-phenylether	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Butylbenzylphthalate	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Carbazole	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
4-Chloro-3-methylphenol	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
4-Chloroaniline	NC	0.020 U	0.019 U	0.020 U	0.019 U	0.460 U
2-Chloronaphthalene	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
2-Chlorophenol	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
4-Chlorophenyl-phenylether	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Chrysene	1	0.042 UJ	0.084 J	0.120	0.040 U	0.460 U
Dibenzo(a,h)anthracene	0.33	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Dibenzofuran	7	0.010 U	0.010 U	0.010 U	0.010 U	0.460 U

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental

Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December.

NOTE:

NYSDEC	= New York State Department of Environmental Conservation
SCO	= Soil Cleanup Objective
mg/kg	= Milligrams per kilogram
DUP	= Duplicate field sample.
J	= Estimated concentration.
U	= Not detected; the associated value is the detection limit.
NC	= No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8270.
Data Validation completed by Data Validation Services.
All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 28 - SUBSURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	NYSDEC	Northwest				North
Sample Name	Unrestricted Use	MW-08(0-2')	MW-08(0-2') (DUP)	MW-08(2-4')	MW-08(6-8')	SD-06FP
Sample Date	SCOs ^(a) (mg/kg)	11/6/2012	11/6/2012	11/6/2012	11/6/2012	10/18/2012
3,3'-Dichlorobenzidine	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
2,4-Dichlorophenol	NC	0.010 U	0.010 U	0.010 U	0.010 U	0.460 U
Diethylphthalate	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
2,4-Dimethylphenol	NC	0.010 U	0.010 U	0.010 U	0.010 U	0.460 U
Dimethylphthalate	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.488
Di-n-butylphthalate	NC	0.021 U	0.020 U	0.025	0.020 U	0.460 U
4,6-Dinitro-2-methylphenol	NC	0.042 U	0.200 U	0.210 U	0.200 U	0.460 UJ
2,4-Dinitrophenol	NC	0.210 U	0.200 U	0.210 U	0.200 U	0.460 UJ
2,4-Dinitrotoluene	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
2,6-Dinitrotoluene	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Di-n-octylphthalate	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Fluoranthene	100	0.056	0.110	0.200	0.040 U	0.240 J
Fluorene	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Hexachlorobenzene	0.33	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Hexachlorocyclopentadiene	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Hexachloroethane	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Indeno(1,2,3-cd)pyrene	0.5	0.042 U	0.065	0.076	0.040 U	0.460 U
Isophorone	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
2-Methylnaphthalene	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
2-Methylphenol	0.33	0.010 U	0.010 U	0.010 U	0.010 U	0.460 U
3&4-Methylphenol	0.33	0.010 U	0.010 U	0.010 U	0.010 U	0.460 U
Naphthalene	12	0.010 U	0.010 U	0.010 U	0.010 U	0.460 U
2-Nitroaniline	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
3-Nitroaniline	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
4-Nitroaniline	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Nitrobenzene	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
2-Nitrophenol	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
4-Nitrophenol	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
N-Nitroso-di-n-propylamine	NC	0.010 U	0.010 U	0.010 U	0.010 U	0.460 U
N-Nitrosodiphenylamine	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Pentachlorophenol	0.8	0.210 U	0.200 U	0.210 U	0.200 U	0.460 U
Phenanthrene	100	0.042 U	0.051	0.140	0.040 U	0.460 U
Phenol	0.33	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
Pyrene	100	0.068	0.130	0.210	0.040 U	0.210 J
2,3,4,6-Tetrachlorophenol	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
2,4,5-Trichlorophenol	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U
2,4,6-Trichlorophenol	NC	0.042 U	0.041 U	0.041 U	0.040 U	0.460 U

APPENDIX O TABLE 29 - SUBSURFACE SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - SMOKES CREEK CORRIDOR

Area	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Northwest		North
Sample Name		MW-08(0-2')	MW-08(0-2') (DUP)	SD-06FP
Sample Date		11/6/2012	11/6/2012	10/18/2012
Aldrin	0.005	0.006 U	0.006 U	0.002 U
BHC, alpha-	0.02	0.001 U	0.001 U	0.002 U
BHC, beta-	0.036	0.001 U	0.001 U	0.002 U
BHC, delta-	0.04	0.006 U	0.006 U	0.002 U
Chlordane	NC	0.031 U	0.030 U	NA
Chlordane, alpha-	0.094	NA	NA	0.002 U
Chlordane, beta-	NC	NA	NA	0.002 U
DDD, p,p'-	0.0033	0.003 U	0.003 U	0.002 U
DDE, p,p'-	0.0033	0.016	0.019	0.002 U
DDT, p,p'-	0.0033	0.012 NJ	0.014 NJ	0.002 U
Dieldrin	0.005	0.001 U	0.001 U	0.002 U
Endosulfan I	2.4	0.006 U	0.006 U	0.002 U
Endosulfan II	2.4	0.006 U	0.006 U	0.002 U
Endosulfan Sulfate	NC	0.006 U	0.006 U	0.002 U
Endrin	0.014	0.006 U	0.006 U	0.002 U
Endrin Aldehyde	NC	0.006 U	0.006 U	0.002 U
Endrin Ketone	NC	0.006 U	0.006 U	0.002 U
Heptachlor	0.042	0.006 U	0.006 U	0.002 U
Heptachlor Epoxide	NC	0.006 U	0.006 U	0.002 U
Lindane (BHC, gamma-)	0.1	0.001 U	0.001 U	0.002 U
Methoxychlor	NC	0.006 U	0.006 U	0.002 U
Toxaphene	NC	0.031 U	0.030 U	0.024 U
Aroclor (Total)	0.1	0.031 UJ	0.030 UJ	NA
Aroclor-1016	0.1	0.031 U	0.030 U	0.024 U
Aroclor-1221	0.1	0.031 U	0.030 U	0.024 U
Aroclor-1232	0.1	0.031 U	0.030 U	0.024 U
Aroclor-1242	0.1	0.031 U	0.030 U	0.024 U
Aroclor-1248	0.1	0.031 U	0.030 U	0.024 U
Aroclor-1254	0.1	0.031 U	0.030 U	NA
Aroclor-1260	0.1	0.031 U	0.030 U	NA

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use SCOs. December.

NOTE:

NYSDEC = New York State Department of Environmental Conservation
 SCO = Soil Cleanup Objective
 mg/kg = Milligrams per kilogram
 U = Not detected; the associated value is the detection limit.
 J = Estimated concentration.
 BHC = Benzene hexachloride
 DDD = Dichlorodiphenyldichloroethane
 DDE = Dichlorodiphenyldichloroethylene
 DDT = Dichlorodiphenyltrichloroethane
 NA = Not analyzed.
 NC = No criterion available.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8081 and 8082.

Data Validation completed by Data Validation Services.

Bolded concentrations exceed the Unrestricted Use SCOs.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

APPENDIX O TABLE 30 - SURFACE SOIL INORGANIC CONSTITUENT RESULTS -
BACKGROUND AREA

Area	NYSDEC	Western			Eastern		
Sample Name	Unrestricted Use	SS-28	SS-29	SS-30	SS-31	SS-32	SS-33
Sample Date	SCOs ^(a) (mg/kg)	4/16/2013	4/16/2013	4/16/2013	4/16/2013	4/16/2013	4/16/2013
Aluminum	NC	11,400 J	8,150 J	9,970 J	9,420 J	11,200 J	11,400 J
Antimony	NC	2.8 UJ	2.81 UJ	2.91 UJ	3.28 UJ	3.32 UJ	3.38 UJ
Arsenic	13	7.36	6.07	9.75	6.62	8.82	8.73
Barium	350	97.0	75.1	72.4	41.0	57.1	58.6
Beryllium	7.2	0.630 J	0.200 J	0.250 J	0.160 J	0.150 J	0.160 J
Cadmium	2.5	0.340 U	0.340 U	0.350 U	0.390 U	0.400 U	0.410 U
Calcium	NC	16,800 J	9,270 J	7,640 J	1,640 J	2,030 J	2,580 J
Chromium	30	15.7	13.8	22.8	14.4	19.4	19.6
Cobalt	NC	13.4 J	6.01 J	12.7 J	4.28 J	5.06 J	5.24 J
Copper	50	16.6	16.0	24.4	8.46	10.9	11.8
Iron	NC	26,800	18,800	34,100	20,100	26,700	25,800
Lead	63	55.6	38.2	148	52.6	58.7	58.6
Magnesium	NC	4,520 J	2,570 J	5,300 J	1,360 J	1,660 J	1,800 J
Manganese	1,600	672 J	626 J	418 J	141 J	261 J	303 J
Mercury	0.18	0.054	0.055	0.070	0.060	0.075	0.063
Nickel	30	30.2	17.6	39.9	14.3	16.3	17.1
Potassium	NC	1,180	821	1,530	680	725	636
Selenium	3.9	1.28 J	0.670 J	0.820 J	0.570 J	0.580 J	0.710 J
Silver	2	1.07	0.570	1.33	0.450 J	0.500 J	0.580 J
Sodium	NC	54.6 J	35.7 J	16.9 J	76.5 J	14.8 J	75.4 J
Thallium	NC	0.880 J	0.560 J	1.19 J	0.570 J	1.07 J	0.950 J
Vanadium	NC	20.1	14.1	20.3	21.5	24.6	23.8
Zinc	109	143 J	113 J	278 J	141 J	152 J	164 J

(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use Soil Cleanup Objectives. December.

NOTE:

NYSDEC = New York State Department of Environmental Conservation

SCO = Soil Cleanup Objective

mg/kg = Milligrams per kilogram

NC = No criterion available.

J = Estimated concentration.

U = Not detected; the associated value is the detection limit.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000.

Data Validation completed by Data Validation Services.

All concentrations reported in mg/kg equivalent to parts per million (ppm).

Bolded values exceed NYSDEC Part 375 Unrestricted Use SCOs.

APPENDIX O TABLE 31 - SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BACKGROUND AREA

Area Location Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Western			Eastern		
		SS-28	SS-29	SS-30	SS-31	SS-32	SS-33
		4/16/2013	4/16/2013	4/16/2013	4/16/2013	4/16/2013	4/16/2013
Acenaphthene	20	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Acenaphthylene	100	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Anthracene	100	0.410 U	0.220 J	0.460 U	0.480 U	0.520 U	0.520 U
Benzaldehyde	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Benzo(a)anthracene	1	0.380 J	0.440 J	0.250 J	0.480 U	0.520 U	0.520 U
Benzo(a)pyrene	1	0.350 J	0.440 J	0.250 J	0.480 U	0.520 U	0.520 U
Benzo(b)fluoranthene	1	0.510	0.640	0.390 J	0.480 U	0.520 U	0.520 U
Benzo(g,h,i)perylene	100	0.220 J	0.310 J	0.460 U	0.480 U	0.520 U	0.520 U
Benzo(k)fluoranthene	0.8	0.170 J	0.190 J	0.460 U	0.480 U	0.520 U	0.520 U
Biphenyl, 1,1'-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
bis(2-Chloroethoxy)methane	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
bis(2-Chloroethyl)ether	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
bis(2-Chloroisopropyl)ether	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
bis(2-Ethylhexyl)phthalate	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Bromophenyl-phenylether, 4-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Butylbenzylphthalate	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Carbazole	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Chloro-3-methylphenol, 4-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Chloroaniline, 4-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Chloronaphthalene, 2-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Chlorophenol, 2-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Chlorophenyl-phenylether, 4-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Chrysene	1	0.430	0.540	0.290 J	0.480 U	0.520 U	0.520 U
Dibenzo(a,h)anthracene	0.33	0.410 U	0.450 U	0.230 J	0.480 U	0.520 U	0.520 U
Dibenzofuran	7	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Dichlorobenzidine, 3,3'-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Dichlorophenol, 2,4-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Diethylphthalate	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Dimethylphenol, 2,4-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
(a) NYSDEC Division of Environmental Remediation. 2006. 6 New York Code of Rules and Regulations Part 375 Environmental Remediation Programs. Unrestricted Use							
NOTE:							
NYSDEC = New York State Department of Environmental Conservation							
SCO = Soil Cleanup Objective							
mg/kg = Milligrams per kilogram							
U = Not detected; the associated value is the detection limit.							
J = Estimated concentration.							
NC = No criterion available.							
Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8270.							
Data Validation completed by Data Validation Services.							
All concentrations reported in mg/kg equivalent to parts per million (ppm).							

APPENDIX O TABLE 31 - SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - BACKGROUND AREA

Area Location Sample Date	NYSDEC Unrestricted Use SCOs ^(a) (mg/kg)	Western			Eastern		
		SS-28	SS-29	SS-30	SS-31	SS-32	SS-33
		4/16/2013	4/16/2013	4/16/2013	4/16/2013	4/16/2013	4/16/2013
Dimethylphthalate	NC	0.280 J	0.340 J	0.210 J	0.390 J	0.300 J	1.10
Di-n-butylphthalate	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Dinitro-2-methylphenol, 4,6-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Dinitrophenol, 2,4-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Dinitrotoluene, 2,4-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Dinitrotoluene, 2,6-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Di-n-octylphthalate	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Fluoranthene	100	0.570	1.30	0.530	0.230 J	0.520 U	0.520 U
Fluorene	30	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Hexachlorobenzene	0.33	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Hexachlorocyclopentadiene	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Hexachloroethane	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Indeno(1,2,3-cd)pyrene	0.5	0.200 J	0.270 J	0.290 J	0.480 U	0.520 U	0.520 U
Isophorone	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Methylnaphthalene, 2-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Methylphenol, 2-	0.33	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Methylphenol, 3&4-	0.33	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Naphthalene	12	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Nitroaniline, 2-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Nitroaniline, 3-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Nitroaniline, 4-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Nitrobenzene	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Nitrophenol, 2-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Nitrophenol, 4-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
N-Nitroso-di-n-propylamine	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Pentachlorophenol	0.8	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Phenanthrene	100	0.410 U	1.00	0.260 J	0.480 U	0.520 U	0.520 U
Phenol	0.33	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Pyrene	100	0.460	0.900	0.450 J	0.480 U	0.520 U	0.520 U
Tetrachlorophenol, 2,3,4,6-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Trichlorophenol, 2,4,5-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U
Trichlorophenol, 2,4,6-	NC	0.410 U	0.450 U	0.460 U	0.480 U	0.520 U	0.520 U

APPENDIX O TABLE 32 - GROUNDWATER INORGANIC CONSTITUENT AND GEOCHEMISTRY RESULTS

Area	NYSDEC Class GA	On-Site				Upgradient	
Sample Location	Standards and Guidance	MW-02A	MW-02A	MW-03A	MW-03A	MW-04	MW-04 (Filtered)
Sample Date	Values (µg/L) ^(a)	11/29/2012	4/17/2013	11/28/2012	4/16/2013	11/28/2012	11/28/2012
Inorganic Constituents							
Aluminum	NC	2,650 J	88.8 J	193 J	240	7,040 J	25 U
Antimony	3	5.48 J	25 U	6.08 J	25 U	4.56 J	6.34 J
Arsenic	25	9.3 J	16.4	12.3 J	13.7	6.9 J	5 UJ
Barium	1,000	248	314	250	255 J	145	106 J
Beryllium	3 G	1.5 UJ	3 U	1.5 UJ	3 U	1.5 UJ	1.5 UJ
Cadmium	5	1.5 UJ	3 U	1.5 UJ	3 U	1.5 UJ	1.5 UJ
Calcium	NC	59,500	72,200 J	92,300	58,200	74,800	79,300 J
Chromium	50	64.6 U	22.8 J	24.2 U	2.58 J	293 J	2.5 U
Cobalt	NC	3.33 J	15 U	7.5 U	15 U	9.02	7.5 UJ
Copper	200	15.7 UJ	8.76 JN	5.58 UJ	2.92 J	23.2 UJ	5 UJ
Cyanide, Total	200	3 J	5 U	3 J	5 U	4 J	NA
Iron	300	4,200	896 J	993 U	655	12,300	25 U
Lead	25	4.94 J	2.89 J	3 UJ	6 U	7.26 J	3 UJ
Magnesium	35,000 G	30,600	48,800 J	53,000	41,700	36,100	37,200 J
Manganese	300	147 J	106 J	342 J	69.9	364 J	191 J
Mercury	0.7	0.200 UJ	0.200 U	0.200 UJ	0.200 U	0.200 UJ	0.200 UJ
Nickel	100	43.6 U	13.8 J	20.7 U	10.7 J	195	10 U
Potassium	NC	2,490 J	3,080 J	7,090 J	50,000	6,130 J	4,880 J
Selenium	10	5 UJ	10 UN	5 UJ	10 U	5 UJ	5 UJ
Silver	50	2.01 JN	5 U	2.5 UN	5 U	2.09 JN	2.5 UJ
Sodium	20,000	30,800	57,500 J	214,000	254,000	27,400 J	32,700 J
Thallium	0.5 G	10 UJ	20 U	10 UJ	20 U	10 UJ	10 UJ
Vanadium	NC	5.48 J	20 UN	10 UJ	20 U	13.5 J	10 UJ
Zinc	2,000 G	33.2 U	20 U	29.4 U	13.1 J	44 U	10 U
General Chemistry							
Alkalinity, Total (as CaCO ₃)	NC	380,000	367,000	410,000	304,000	380,000	380,000
Chloride	250,000	26,000 D	26,000 D	410,000 D	430,000 D	48,000 D	48,000 D
Demand, Biochemical Oxygen	NC	2,000 U	NA	17,000	6,300	41,000	41,000
Demand, Chemical Oxygen	NC	5,370	159,000	10,400	15,900	6,380	6,380
Hardness, Total	NC	274,000	NA	449,000	NA	335,000	335,000
Nitrogen, Nitrate (as N)	10,000	100 U	424 J	100 U	100 U	100 U	100 U
Sulfate	250,000	18,000	NA	34,000	NA	120,000 D	120,000 D
Sulfide	50 G	1,000 U	1,000 U	1,000 U	1,000 U	1,120	1,120
Total Organic Carbon	NC	NA	53,000 D	NA	7,100	NA	NA

(a) 6 NYCRR Part 703.5 Class GA Groundwater Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended.

NOTE:

NYSDEC = New York State Department of Environmental Conservation

J = Estimated concentration.

U = The constituent was not detected. The associated value is the detection limit.

G = Guidance Value

N = Indicates the spiked sample recovery is not within control limits.

NA = Not analyzed.

NC = No criteria.

D = Result obtained from a dilution run.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Method Series 6000/7000 and EPA Method 300.

Data Validation completed by Data Validation Services.

All concentrations reported in micrograms per liter (µg/L) equivalent to parts per billion (ppb).

Bolded values indicate exceedance of Class GA groundwater standards or guidance values.

APPENDIX O TABLE 32 - GROUNDWATER INORGANIC CONSTITUENT AND GEOCHEMISTRY RESULTS (CONT'D)

Area	NYSDEC Class GA	Baker Hall			On-Site		
Sample Location	Standards and Guidance	MW-05	MW-05	MW-05 (DUP)	MW-06	MW-06 (Filtered)	MW-06
Sample Date	Values (µg/L) ^(a)	11/29/2012	4/17/2013	4/17/2013	11/28/2012	11/28/2012	4/16/2013
Inorganic Constituents							
Aluminum	NC	145 J	50 UJ	50 UJ	8,100 J	25 UJ	2,200
Antimony	3	4.84 J	25 U	25 U	12.5 UJ	6.27 J	25 U
Arsenic	25	8.4 J	18.7	14.3	13.6 J	5 J	30.2
Barium	1,000	177	262	198	255	169 J	221 J
Beryllium	3 G	1.5 UJ	3 U	3 U	1.5 UJ	1.5 UJ	3 U
Cadmium	5	1.5 UJ	3 U	3 U	1.5 UJ	1.5 UJ	3 U
Calcium	NC	46,900	80,700 J	60,700 J	76,000	56,500 J	60,700
Chromium	50	10 J	7.18 J	4.27 J	69.9 U	2.5 U	11.2
Cobalt	NC	7.5 U	15 U	15 U	5.78 J	7.5 UJ	15 U
Copper	200	5.46 J	4.11 JN	2.92 JN	15.6 UJ	5 UJ	7.08 J
Cyanide, Total	200	4 J	5 U	5 U	4 J	NA	5 U
Iron	300	196	852 J	653 J	12,100	25 U	4,040
Lead	25	3 UJ	6 U	6 U	7.08 J	3 UJ	2.6 J
Magnesium	35,000 G	27,800	44,800 J	33,100 J	37,600	31,200 J	34,300
Manganese	300	50 J	121 J	91.6 J	283 J	158 J	125
Mercury	0.7	0.200 UJ	0.200 U	0.200 U	0.200 UJ	0.200 UJ	0.200 U
Nickel	100	6.8 J	20 U	20 U	52.2 U	24.6 U	22.3
Potassium	NC	2,190 J	2,800 J	1,910 J	4,820 J	2,430 J	2,680
Selenium	10	5 UJ	10 UN	10 UN	5 UJ	5 UJ	10 U
Silver	50	2.5 UN	5 U	5 U	2.5 UN	2.5 UJ	5 U
Sodium	20,000	32,000	47,500 J	35,300 J	48,800	43,600 J	38,200
Thallium	0.5 G	10 UJ	20 U	20 U	10 UJ	10 UJ	20 U
Vanadium	NC	10 UJ	20 UN	20 UN	15 J	10 UJ	20 U
Zinc	2,000 G	23.9 U	20 U	20 U	41 U	10 UJ	79.1
General Chemistry							
Alkalinity, Total (as CaCO ₃)	NC	360,000	365,000	364,000	460,000	460,000	396,000
Chloride	250,000	8,300	7,550	7,600	29,000 D	29,000 D	31,000 D
Demand, Biochemical Oxygen	NC	14,000	NA	NA	6,500	6,500	3,200
Demand, Chemical Oxygen	NC	9,390	9,990	13,900	33,500	33,500	5,070
Hardness, Total	NC	232,000	NA	NA	344,000	344,000	NA
Nitrogen, Nitrate (as N)	10,000	353	266 J	282 J	318	318	376
Sulfate	250,000	15,000	NA	NA	25,000	25,000	NA
Sulfide	50 G	1,280	1,000 U	1,000 U	1,120	1,120	1,000 U
Total Organic Carbon	NC	NA	7,600	7,400	NA	NA	4,300

APPENDIX O TABLE 32 - GROUNDWATER INORGANIC CONSTITUENT AND GEOCHEMISTRY RESULTS (CONT'D)

Area	NYSDEC Class GA	On-Site		Downgradient			
Sample Location	Standards and Guidance	MW-07	MW-07	MW-08	MW-08 (DUP)	MW-08 (Filtered)	MW-08
Sample Date	Values (µg/L) ^(a)	11/28/2012	4/17/2013	11/29/2012	11/29/2012	11/29/2012	4/17/2013
Inorganic Constituents							
Aluminum	NC	8,220 J	680 J	866 J	592 J	25 UJ	5,690 J
Antimony	3	12.5 UJ	25 U	5.62 J	5.5 J	5.4 J	25 U
Arsenic	25	12.3 J	43.7	2.9 J	2.5 J	5 UJ	17
Barium	1,000	290	403	279	284	278 J	389
Beryllium	3 G	0.420 J	3 U	1.5 UJ	1.5 UJ	1.5 UJ	3 U
Cadmium	5	0.290 J	3 U	1.5 UJ	1.5 UJ	1.5 UJ	3 U
Calcium	NC	123,000	110,000 J	90,700	93,700	91,200 J	199,000 J
Chromium	50	175 U	9.3 J	7.68 J	2.38 J	1.62 J	27.7 J
Cobalt	NC	7.72	15 U	7.5 U	7.5 U	7.5 UJ	15 U
Copper	200	27.7 UJ	19.8	2.66 J	1.62 J	5 UJ	15.8
Cyanide, Total	200	3 J	5 U	3 J	5 U	NA	5 U
Iron	300	15,000	3,380 J	949	728	27.7 J	14,200 J
Lead	25	30.5 J	18.4	3 UJ	3 UJ	3 UJ	17
Magnesium	35,000 G	43,500	57,100 J	52,200	53,200	53,200 J	72,800
Manganese	300	338 J	99.1 J	65.8 J	66.3 J	58.6 J	291 J
Mercury	0.7	0.109 J	0.200 U	0.200 UJ	0.200 UJ	0.200 UJ	0.200 U
Nickel	100	123	9.08 J	5.89 J	2.49 J	10 UJ	22.1
Potassium	NC	4,940 J	1,660 J	2,810 J	2,740 J	2,440 J	2,910 J
Selenium	10	5 UJ	10 UN	5 UJ	5 UJ	5 UJ	10 UN
Silver	50	2.5 UN	5 U	1.44 JN	2.5 UN	2.5 UJ	5 U
Sodium	20,000	35,300	54,800 J	29,600	30,500	31,100 J	33,400 J
Thallium	0.5 G	10 UJ	20 U	10 UJ	10 UJ	10 UJ	20 U
Vanadium	NC	16.6 J	20 UN	10 UJ	10 UJ	10 UJ	11.5 JN
Zinc	2,000 G	86.2 U	20 U	9.22 U	6.01 U	10 UJ	20 U
General Chemistry							
Alkalinity, Total (as CaCO ₃)	NC	360,000	371,000	400,000	400,000	400,000	435,000
Chloride	250,000	110,000 D	140,000 D	78,000 D	77,000 D	78,000 D	140,000 D
Demand, Biochemical Oxygen	NC	34,000	NA	19,000	22,000	19,000	NA
Demand, Chemical Oxygen	NC	18,400	57,300	5,000 U	5,000 U	5,000 U	18,900
Hardness, Total	NC	485,000	NA	441,000	453,000	441,000	NA
Nitrogen, Nitrate (as N)	10,000	288	720 J	100 U	100 U	100 U	855 J
Sulfate	250,000	22,000	NA	47,000	45,000	47,000	NA
Sulfide	50 G	1,000 U	1,000 U	1,440	1,280	1,440	1,000 U
Total Organic Carbon	NC	NA	20,000	NA	NA	NA	5,700

APPENDIX O TABLE 33 - GROUNDWATER VOLATILE ORGANIC COMPOUND RESULTS

Area	NYSDEC Class GA	On-Site				Upgradient	
Sample Name	Standards and Guidance	MW-02A	MW-02A	MW-03A	MW-03A	MW-04	MW-04
Sample Date	Values (µg/L)	11/29/2012	4/17/2013	11/28/2012	4/16/2013	11/28/2012	4/17/2013
Acetone	50 G	7.6	21.8	5 U	5 UJ	63	15.4
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50 G	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50 G	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Butanone, 2-	50 G	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	60 G	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	50 G	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	NC	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ
Dibromo-3-chloropropane, 1,2-	0.04	1 U	1 U	1 U	1 U	1 U	1 U
Dibromoethane, 1,2-	NC	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorobenzene, 1,2-	1	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorobenzene, 1,3-	3	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorobenzene, 1,4-	3	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethane, 1,1-	5	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethane, 1,2-	0.6	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethene, 1,1-	5	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethene, cis-1,2-	5	1 U	1 U	1 U	1 U	0.590 J	1 U
Dichloroethene, trans-1,2-	5	1 U	1 U	1 U	1 U	1 U	1 U

(a) 6 NYCRR Part 703.5 Class GA Groundwater Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended.

NOTE:

NYSDEC = New York State Department of Environmental Conservation

J = Estimated concentration.

U = The compound was not detected. The associated value is the detection limit.

G = Guidance Value

NC = No criteria.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260.

Data Validation completed by Data Validation Services.

All concentrations reported in micrograms per liter (µg/L) equivalent to parts per billion (ppb).

Bolded values indicate exceedance of Class GA groundwater standards or guidance values.

APPENDIX O TABLE 33 - GROUNDWATER VOLATILE ORGANIC COMPOUND RESULTS (CONT'D)

Area	NYSDEC Class GA	Baker Hall			On-Site			
Sample Name	Standards and Guidance	MW-05	MW-05	MW-05 (DUP)	MW-06	MW-06	MW-07	MW-07
Sample Date	Values (µg/L)	11/29/2012	4/17/2013	4/17/2013	11/28/2012	4/16/2013	11/28/2012	4/17/2013
Acetone	50 G	5 U	5.2	9.6	68	5 UJ	5 U	7.0
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50 G	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50 G	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butanone, 2-	50 G	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	60 G	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	50 G	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ
Dibromo-3-chloropropane, 1,2-	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromoethane, 1,2-	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorobenzene, 1,2-	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorobenzene, 1,3-	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorobenzene, 1,4-	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethane, 1,1-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethane, 1,2-	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethene, 1,1-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethene, cis-1,2-	5	1 U	1 U	1 U	0.550 J	1 U	1 U	1 U
Dichloroethene, trans-1,2-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U

APPENDIX O TABLE 33 - GROUNDWATER VOLATILE ORGANIC COMPOUND RESULTS (CONT'D)

Area	NYSDEC Class GA	Downgradient		
Sample Name	Standards and Guidance	MW-08	MW-08 (DUP)	MW-08
Sample Date	Values (µg/L)	11/29/2012	11/29/2012	4/17/2013
Acetone	50 G	36 J	21 J	13.8
Benzene	1	1 U	1 U	1 U
Bromochloromethane	5	1 U	1 U	1 U
Bromodichloromethane	50 G	1 U	1 U	1 U
Bromoform	50 G	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U
Butanone, 2-	50 G	5 U	5 U	5 U
Carbon disulfide	60 G	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U
Chlorodibromomethane	50 G	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U
Chloromethane	NC	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 U	1 UJ
Dibromo-3-chloropropane, 1,2-	0.04	1 U	1 U	1 U
Dibromoethane, 1,2-	NC	1 U	1 U	1 U
Dichlorobenzene, 1,2-	1	1 U	1 U	1 U
Dichlorobenzene, 1,3-	3	1 U	1 U	1 U
Dichlorobenzene, 1,4-	3	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U
Dichloroethane, 1,1-	5	1 U	1 U	1 U
Dichloroethane, 1,2-	0.6	1 U	1 U	1 U
Dichloroethene, 1,1-	5	1 U	1 U	1 U
Dichloroethene, cis-1,2-	5	1 U	1 U	1 U
Dichloroethene, trans-1,2-	5	1 U	1 U	1 U

APPENDIX O TABLE 33 - GROUNDWATER VOLATILE ORGANIC COMPOUND RESULTS

Area	NYSDEC Class GA	On-Site				Upgradient	
Sample Name	Standards and Guidance	MW-02A	MW-02A	MW-03A	MW-03A	MW-04	MW-04
Sample Date	Values (µg/L)	11/29/2012	4/17/2013	11/28/2012	4/16/2013	11/28/2012	4/17/2013
Dichloropropane, 1,2-	1	1 U	1 U	1 U	1 U	1 U	1 U
Dichloropropene, cis-1,3-	0.4	1 U	1 U	1 U	1 U	1 U	1 U
Dichloropropene, trans-1,3-	0.4	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Hexanone, 2-	50 G	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Methyl acetate	NC	1 U	1 U	1 U	1 U	1 U	1 U
Methyl cyclohexane	NC	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	10 G	1 U	1 U	1 U	1 U	1 U	1 U
Methyl-2-pentanone, 4-	NC	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethane, 1,1,2,2-	5	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorobenzene, 1,2,3-	5	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorobenzene, 1,2,4-	5	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethane, 1,1,1-	1	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethane, 1,1,2-	1	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U
Xylene, o	5	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, m+p	5	2 U	2 U	2 U	2 U	2 U	2 U

APPENDIX O TABLE 33 - GROUNDWATER VOLATILE ORGANIC COMPOUND RESULTS (CONT'D)

Area	NYSDEC Class GA	Baker Hall			On-Site			
Sample Name	Standards and Guidance	MW-05	MW-05	MW-05 (DUP)	MW-06	MW-06	MW-07	MW-07
Sample Date	Values (µg/L)	11/29/2012	4/17/2013	4/17/2013	11/28/2012	4/16/2013	11/28/2012	4/17/2013
Dichloropropane, 1,2-	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloropropene, cis-1,3-	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloropropene, trans-1,3-	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexanone, 2-	50 G	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl acetate	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl cyclohexane	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	10 G	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl-2-pentanone, 4-	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethane, 1,1,2,2-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorobenzene, 1,2,3-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorobenzene, 1,2,4-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethane, 1,1,1-	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethane, 1,1,2-	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene, o	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, m+p	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U

APPENDIX O TABLE 33 - GROUNDWATER VOLATILE ORGANIC COMPOUND RESULTS (CONT'D)

Area	NYSDEC Class GA	Downgradient		
Sample Name	Standards and Guidance	MW-08	MW-08 (DUP)	MW-08
Sample Date	Values (µg/L)	11/29/2012	11/29/2012	4/17/2013
Dichloropropane, 1,2-	1	1 U	1 U	1 U
Dichloropropene, cis-1,3-	0.4	1 U	1 U	1 U
Dichloropropene, trans-1,3-	0.4	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U
Hexanone, 2-	50 G	5 U	5 U	5 U
Isopropylbenzene	5	1 U	1 U	1 U
Methyl acetate	NC	1 U	1 U	1 U
Methyl cyclohexane	NC	1 U	1 U	1 U
Methyl tert-butyl ether	10 G	1 U	1 U	1 U
Methyl-2-pentanone, 4-	NC	5 U	5 U	5 U
Methylene chloride	5	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U
Tetrachloroethane, 1,1,2,2-	5	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	1 U	1 U	1 U
Trichlorobenzene, 1,2,3-	5	1 U	1 U	1 U
Trichlorobenzene, 1,2,4-	5	1 U	1 U	1 U
Trichloroethane, 1,1,1-	1	1 U	1 U	1 U
Trichloroethane, 1,1,2-	1	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U
Vinyl chloride	2	1 U	1 U	1 U
Xylene, o	5	1 U	1 U	1 U
Xylenes, m+p	5	2 U	2 U	2 U

APPENDIX O TABLE 34 - GROUNDWATER SEMIVOLATILE ORGANIC COMPOUND RESULTS

Area	NYSDEC Class GA	On-Site				Upgradient	
Sample Name	Standards and Guidance	MW-02A	MW-02A	MW-03A	MW-03A	MW-04	MW-04
Sample Date	Values (µg/L)	11/29/2012	4/17/2013	11/28/2012	4/16/2013	11/28/2012	4/17/2013
Acenaphthene	20 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Anthracene	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Benzaldehyde	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Benzo(a)anthracene	0.002 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Benzo(a)pyrene	ND	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Benzo(b)fluoranthene	0.002 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Benzo(k)fluoranthene	0.002 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Biphenyl, 1,1'-	5 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
bis(2-Chloroethoxy)methane	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
bis(2-Chloroethyl)ether	1	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
bis(2-Chloroisopropyl)ether	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
bis(2-Ethylhexyl)phthalate	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Bromophenyl-phenylether, 4-	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Butylbenzylphthalate	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Carbazole	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Chloro-3-methylphenol, 4-	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Chloroaniline, 4-	5	10 U	NA	10 U	10.1 U	10 U	NA
Chloronaphthalene, 2-	10 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Chlorophenol, 2-	1	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Chlorophenyl-phenylether, 4-	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Chrysene	0.002 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
(a) 6 NYCRR Part 703.5 Class GA Groundwater Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended.							
NOTE:							
NYSDEC = New York State Department of Environmental Conservation							
J = Estimated concentration.							
U = The compound was not detected. The associated value is the detection limit.							
G = Guidance Value							
NA = Not analyzed.							
NC = No criteria.							
Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260.							
Data Validation completed by Data Validation Services.							
All concentrations reported in micrograms per liter (µg/L) equivalent to parts per billion (ppb).							

APPENDIX O TABLE 34 - GROUNDWATER SEMIVOLATILE ORGANIC COMPOUND RESULTS (CONT'D)

Area	NYSDEC Class GA	Baker Hall			On-Site			
Sample Name	Standards and Guidance	MW-05	MW-05	MW-05 (DUP)	MW-06	MW-06	MW-07	MW-07
Sample Date	Values (µg/L)	11/29/2012	4/17/2013	4/17/2013	11/28/2012	4/16/2013	11/28/2012	4/17/2013
Acenaphthene	20 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Anthracene	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Benzaldehyde	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Benzo(a)anthracene	0.002 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Benzo(a)pyrene	ND	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Benzo(b)fluoranthene	0.002 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Benzo(k)fluoranthene	0.002 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Biphenyl, 1,1'-	5 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
bis(2-Chloroethoxy)methane	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
bis(2-Chloroethyl)ether	1	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
bis(2-Chloroisopropyl)ether	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
bis(2-Ethylhexyl)phthalate	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Bromophenyl-phenylether, 4-	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Butylbenzylphthalate	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Carbazole	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Chloro-3-methylphenol, 4-	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Chloroaniline, 4-	5	10 U	NA	NA	10 U	10.2 U	10 U	NA
Chloronaphthalene, 2-	10 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Chlorophenol, 2-	1	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Chlorophenyl-phenylether, 4-	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Chrysene	0.002 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U

APPENDIX O TABLE 34 - GROUNDWATER SEMIVOLATILE ORGANIC COMPOUND RESULTS (CONT'D)

Area	NYSDEC Class GA	Downgradient		
Sample Name	Standards and Guidance	MW-08	MW-08 (DUP)	MW-08
Sample Date	Values (µg/L)	11/29/2012	11/29/2012	4/17/2013
Acenaphthene	20 G	10 U	10 U	10 U
Anthracene	50 G	10 U	10 U	10 U
Benzaldehyde	NC	10 U	10 U	10 U
Benzo(a)anthracene	0.002 G	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002 G	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002 G	10 U	10 U	10 U
Biphenyl, 1,1'-	5 G	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	5	10 U	10 U	10 U
bis(2-Chloroethyl)ether	1	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	5	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	10 U	10 U	10 U
Bromophenyl-phenylether, 4-	NC	10 U	10 U	10 U
Butylbenzylphthalate	50 G	10 U	10 U	10 U
Carbazole	NC	10 U	10 U	10 U
Chloro-3-methylphenol, 4-	NC	10 U	10 U	10 U
Chloroaniline, 4-	5	10 U	10 U	NA
Chloronaphthalene, 2-	10 G	10 U	10 U	10 U
Chlorophenol, 2-	1	10 U	10 U	10 U
Chlorophenyl-phenylether, 4-	NC	10 U	10 U	10 U
Chrysene	0.002 G	10 U	10 U	10 U

APPENDIX O TABLE 34 - GROUNDWATER SEMIVOLATILE ORGANIC COMPOUND RESULTS

Area	NYSDEC Class GA	On-Site				Upgradient	
Sample Name	Standards and Guidance	MW-02A	MW-02A	MW-03A	MW-03A	MW-04	MW-04
Sample Date	Values (µg/L)	11/29/2012	4/17/2013	11/28/2012	4/16/2013	11/28/2012	4/17/2013
Dichlorobenzidine, 3,3'-	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Dichlorophenol, 2,4-	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Diethylphthalate	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Dimethylphenol, 2,4-	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Dimethylphthalate	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Di-n-butylphthalate	50	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Dinitro-2-methylphenol, 4,6-	NC	10 U	10.1 U	10 U	10.1 UJ	10 U	10.2 U
Dinitrophenol, 2,4-	5	25 U	10.1 U	25 U	10.1 UJ	25 U	10.2 U
Dinitrotoluene, 2,4-	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Dinitrotoluene, 2,6-	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Di-n-octylphthalate	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Fluoranthene	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Fluorene	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Hexachlorobenzene	0.04	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Hexachlorobutadiene	0.5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Hexachlorocyclopentadiene	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Hexachloroethane	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Indeno(1,2,3-cd)pyrene	0.002 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Isophorone	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Methylnaphthalene, 2-	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Methylphenol, 3&4-	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Naphthalene	10 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Nitroaniline, 2-	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Nitroaniline, 3-	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Nitroaniline, 4-	5	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Nitrobenzene	0.4	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Nitrophenol, 2-	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Nitrophenol, 4-	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
N-Nitroso-di-n-propylamine	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
N-Nitrosodiphenylamine	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Pentachlorophenol	1	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Phenanthrene	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Pyrene	50 G	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Tetrachlorophenol, 2,3,4,6-	NC	10 U	10.1 UJ	10 U	10.1 U	10 U	10.2 UJ
Trichlorophenol, 2,4,5-	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U
Trichlorophenol, 2,4,6-	NC	10 U	10.1 U	10 U	10.1 U	10 U	10.2 U

APPENDIX O TABLE 34 - GROUNDWATER SEMIVOLATILE ORGANIC COMPOUND RESULTS (CONT'D)

Area	NYSDEC Class GA	Baker Hall			On-Site			
Sample Name	Standards and Guidance	MW-05	MW-05	MW-05 (DUP)	MW-06	MW-06	MW-07	MW-07
Sample Date	Values (µg/L)	11/29/2012	4/17/2013	4/17/2013	11/28/2012	4/16/2013	11/28/2012	4/17/2013
Dichlorobenzidine, 3,3'-	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Dichlorophenol, 2,4-	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Diethylphthalate	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Dimethylphenol, 2,4-	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Dimethylphthalate	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Di-n-butylphthalate	50	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Dinitro-2-methylphenol, 4,6-	NC	10 U	10.1 U	10.2 U	10 U	10.2 UJ	10 U	10.1 U
Dinitrophenol, 2,4-	5	25 U	10.1 U	10.2 U	25 U	10.2 UJ	25 U	10.1 U
Dinitrotoluene, 2,4-	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Dinitrotoluene, 2,6-	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Di-n-octylphthalate	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Fluoranthene	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Fluorene	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Hexachlorobenzene	0.04	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Hexachlorobutadiene	0.5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Hexachlorocyclopentadiene	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Hexachloroethane	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Indeno(1,2,3-cd)pyrene	0.002 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Isophorone	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Methylnaphthalene, 2-	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Methylphenol, 3&4-	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Naphthalene	10 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Nitroaniline, 2-	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Nitroaniline, 3-	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Nitroaniline, 4-	5	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Nitrobenzene	0.4	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Nitrophenol, 2-	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Nitrophenol, 4-	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
N-Nitroso-di-n-propylamine	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
N-Nitrosodiphenylamine	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Pentachlorophenol	1	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Phenanthrene	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Pyrene	50 G	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Tetrachlorophenol, 2,3,4,6-	NC	10 U	10.1 UJ	10.2 UJ	10 U	10.2 U	10 U	10.1 UJ
Trichlorophenol, 2,4,5-	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U
Trichlorophenol, 2,4,6-	NC	10 U	10.1 U	10.2 U	10 U	10.2 U	10 U	10.1 U

APPENDIX O TABLE 34 - GROUNDWATER SEMIVOLATILE ORGANIC COMPOUND RESULTS (CONT'D)

Area	NYSDEC Class GA	Downgradient		
Sample Name	Standards and Guidance	MW-08	MW-08 (DUP)	MW-08
Sample Date	Values (µg/L)	11/29/2012	11/29/2012	4/17/2013
Dichlorobenzidine, 3,3'-	5	10 U	10 U	10 U
Dichlorophenol, 2,4-	5	10 U	10 U	10 U
Diethylphthalate	50 G	10 U	10 U	10 U
Dimethylphenol, 2,4-	50 G	10 U	10 U	10 U
Dimethylphthalate	50 G	10 U	10 U	10 U
Di-n-butylphthalate	50	10 U	10 U	10 U
Dinitro-2-methylphenol, 4,6-	NC	10 U	10 U	10 U
Dinitrophenol, 2,4-	5	25 U	25 U	10 U
Dinitrotoluene, 2,4-	5	10 U	10 U	10 U
Dinitrotoluene, 2,6-	5	10 U	10 U	10 U
Di-n-octylphthalate	50 G	10 U	10 U	10 U
Fluoranthene	50 G	10 U	10 U	10 U
Fluorene	50 G	10 U	10 U	10 U
Hexachlorobenzene	0.04	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U
Hexachloroethane	5	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002 G	10 U	10 U	10 U
Isophorone	50 G	10 U	10 U	10 U
Methylnaphthalene, 2-	NC	10 U	10 U	10 U
Methylphenol, 3&4-	NC	10 U	10 U	10 U
Naphthalene	10 G	10 U	10 U	10 U
Nitroaniline, 2-	5	10 U	10 U	10 U
Nitroaniline, 3-	5	10 U	10 U	10 U
Nitroaniline, 4-	5	10 U	10 U	10 U
Nitrobenzene	0.4	10 U	10 U	10 U
Nitrophenol, 2-	NC	10 U	10 U	10 U
Nitrophenol, 4-	NC	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	NC	10 U	10 U	10 U
N-Nitrosodiphenylamine	50 G	10 U	10 U	10 U
Pentachlorophenol	1	10 U	10 U	10 U
Phenanthrene	50 G	10 U	10 U	10 U
Pyrene	50 G	10 U	10 U	10 U
Tetrachlorophenol, 2,3,4,6-	NC	10 U	10 U	10 UJ
Trichlorophenol, 2,4,5-	NC	10 U	10 U	10 U
Trichlorophenol, 2,4,6-	NC	10 U	10 U	10 U

APPENDIX O TABLE 35 - GROUNDWATER PESTICIDES/POLYCHLORINATED BIPHENYL RESULTS

Area	NYSDEC Class GA	On-Site		Upgradient	Baker Hall	On-Site		Downgradient	
Sample Name	Standards and Guidance	MW-02A	MW-03A	MW-04	MW-05	MW-06	MW-07	MW-08	MW-08 (DUP)
Sample Date	Values (µg/L)	11/29/2012	11/28/2012	11/28/2012	11/29/2012	11/28/2012	11/28/2012	11/29/2012	11/29/2012
Pesticides									
Aldrin	ND	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Chlordane, beta-	NC	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
DDD, p,p'-	0.3	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
DDE, p,p'-	0.2	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
DDT, p,p'-	0.2	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Dieldrin	0.004	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Endosulfan Sulfate	NC	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Endrin	ND	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Endrin Aldehyde	5	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Endrin Ketone	5	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Heptachlor	0.04	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Heptachlor Epoxide	0.03	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Methoxychlor	35	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Toxaphene	0.06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Polychlorinated Biphenyls									
Aroclor-1016	0.09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1221	0.09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1232	0.09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1242	0.09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1248	0.09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1254	0.09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1260	0.09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
(a) 6 NYCRR Part 703.5 Class GA Groundwater Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended.									
NOTE:									
NYSDEC = New York State Department of Environmental Conservation									
U = The compound was not detected. The associated value is the detection limit.									
ND = Not detected.									
NC = Criterion not available.									
Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8081 and 8082.									
Data Validation completed by Data Validation Services.									
All concentrations reported in micrograms per liter (µg/L) equivalent to parts per billion (ppb).									

APPENDIX O TABLE 36 - SURFACE WATER INORGANIC CONSTITUENT RESULTS - SMOKES CREEK

Area	Upstream (North of Baker Hall Property)	Near Northeast Corner of On-Site Area		Midstream (North of On-Site Area)	Near Northwest Corner of On-Site Area	Downstream (North of Stadium Property)	NYSDEC Class C Criteria (µg/L) ^(a) Aquatic Chronic A(C)
Sample Name	SW-05	SW-06	SW-06 (DUP)	SW-08	SW-07	SW-09	
Sampling Date	4/18/2013	4/18/2013	4/18/2013	4/18/2013	4/18/2013	4/18/2013	
Aluminum	107 N	91.9 N	100 N	100 N	85.2 N	111 N	100
Antimony	25 U	25 U	25 U	25 U	25 U	25 U	NC
Arsenic	10 U	10 U	10 U	10 U	10 U	10 U	150
Barium	55	49.5 J	54.3	49 J	47 J	53.1	NC
Beryllium	3 U	3 U	3 U	3 U	3 U	3 U	1,100
Cadmium	3 U	3 U	3 U	3 U	3 U	3 U	45.2-52.38 ^(b)
Calcium	64,900	58,100	61,000	56,500	54,000	60,700	NC
Chromium	5 U	5 U	5 U	5 U	5 U	5 U	57.74-66.78 ^(b)
Cobalt	15 U	15 U	15 U	15 U	15 U	15 U	5
Copper	10 UN	10 UN	10 UN	10 UN	10 UN	2.3 JN	74.89-87.56 ^(b)
Cyanide, Total	5 U	5 U	5 U	5 U	5 U	5 U	5.2
Iron	268	225	248	219	209	277	300
Lead	6 U	6 U	6 U	6 U	6 U	6 U	484-586 ^(b)
Magnesium	9,520	8,510	8,820	8,190	7,950	8,820	NC
Manganese	40.1	34.2	35.9	34	31.1	41.5	NC
Mercury	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.77
Nickel	20 U	20 U	6.64 J	20 U	20 U	15.6 J	80.66-93.88 ^(b)
Potassium	1,120	874 J	1,020	842 J	690 J	966 J	NC
Selenium	10 UN	10 UN	10 UN	10 UN	10 UN	10 UN	4.6
Silver	5 U	5 U	5 U	5 U	5 U	5 U	0.1
Sodium	69,000	61,800	65,700	59,500	59,500	66,400	NC
Thallium	20 U	20 U	20 U	20 U	20 U	20 U	8
Vanadium	20 UN	20 UN	20 UN	20 UN	20 UN	20 UN	14
Zinc	15.8 JN	11.9 JN	20 UN	20 UN	20 UN	8.96 JN	78.4-91.22 ^(b)
GENERAL CHEMISTRY (mg/L) (ppm)							
Hardness, Total	201	180	185	175	168	190	NC
(a) 6 NYCRR Part 703.5 Class C Surface water Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended. (b) These constituents have hardness-specific criteria. The range of hardness-corrected criteria for these samples is provided. NOTE: DUP = Duplicate field sample NYSDEC = New York State Department of Environmental Conservation µg/L = Micrograms per liter N = Tentatively identified. NC = No criterion. J = Estimated concentration. U = The constituent was not detected. The associated value is the detection limit. ppm = Parts per million mg/L = Milligrams per liter Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 6000/7000 series for metals, total cyanide by 9010, and hardness by SM300. Data Validation completed by Data Validation Services. Concentrations reported in µg/L equivalent to parts per billion (ppb), except for hardness, which is reported in mg/L, equivalent to ppm. Bolded values indicate exceedance of Class C surface water standards or guidance values.							

APPENDIX O TABLE 37 - SEDIMENT INORGANIC CONSTITUENT RESULTS

Area	NYSDEC Sediment Criteria (a)		Upstream (North of Baker Hall Property)		Near Northeast Corner of On-Site Area		Near Northwest Corner of On-Site Area		
Sample Name	Class A	Class C	SD-05A	SD-05B	SD-06A	SD-06B	SD-07A	SD-07B	SD-07B (DUP)
Sample Date			10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12
Aluminum	NC	NC	8,050	8,000	8,210	8,570	6,300	6,390	5,990
Antimony	NC	NC	1.68 UJ	1.65 UJ	1.68 UJ	1.78 UJ	1.51 UJ	1.95 UJ	1.84 UJ
Arsenic	10	33	6.23	6.29	6.46	6.74	4.72	3.65	3.85
Barium	NC	NC	55.2 J	51.0 J	56.7 J	59.8 J	51.0 J	54.7 J	58.0 J
Beryllium	NC	NC	0.250	0.270	0.260	0.260	0.240	0.270	0.230
Cadmium	1	5	0.260	0.410	0.240	0.230	0.390	0.360	0.270
Calcium	NC	NC	25,400 J	23,500 J	25,900 J	27,400 J	22,600 J	24,200 J	26,700 J
Chromium	43	110	13.0 J	13.0 J	13.3 J	13.9 J	11.5 J	12.1 J	10.8 J
Cobalt	NC	NC	10.1	10.0	10.3	10.7	8.03	7.49	7.73
Copper	32	150	26.7 J	26.9 J	27.2 J	28.3 J	23.9 J	25.6 J	24.6 J
Cyanide, Total	NC	NC	0.383 U	0.397 U	0.375 U	0.420 U	0.372 U	0.445 U	0.437 U
Iron	NC	NC	23,500 J	21,700 J	24,300 J	25,400 J	17,400 J	15,800 J	17,100 J
Lead	36	130	19.2	18.9	19.5	20.3	23.0	20.0	22.0
Magnesium	NC	NC	7,920 J	7,310 J	8,080 J	8,540 J	5,580 J	4,280 J	4,520 J
Manganese	NC	NC	381 J	381 J	390 J	406 J	324 J	286 J	273 J
Mercury	0.2	1	0.018	0.021	0.019	0.022	0.039	0.029	0.025
Nickel	23	49	28.4	28.1	29.1	30.2	22.8	22.6	22.5
Potassium	NC	NC	1,160 J	1,070 J	1,210 J	1,260 J	844 J	697 J	754 J
Selenium	NC	NC	3.41	3.01	3.48	3.68	2.62	2.46	2.63
Silver	1	2.2	0.270 J	0.330 U	0.340	0.360 J	0.110 J	0.390 U	0.270 J
Sodium	NC	NC	165 J	153 J	169 J	177 J	208 J	167 J	142 J
Thallium	NC	NC	1.50	1.13 J	1.45	1.46	0.780 J	0.850 J	0.640 J
Vanadium	NC	NC	14.4	14.5	14.6	15.3	11.8	12.1	11.3
Zinc	120	460	84.8 J	78.5 J	88.2 J	91.4 J	107 J	92.3 J	98.8 J

(a) NYSDEC. 2013. Division of Fish, Wildlife and Marine Resources; Bureau of Habitat. Screening and Assessment of Contaminated Sediments. January.

NOTE:

NYSDEC = New York State Department of Environmental Conservation

NA = Not analyzed

J = Estimated concentration.

N = Tentatively identified constituent.

NC = Criterion not available.

U = Not detected; the associated number is the reporting limit.

Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000 and total cyanide by 9010.

Data Validation completed by Data Validation Services.

All concentrations reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm).

Bolded values indicate exceedance of NYSDEC Class A levels.

APPENDIX O TABLE 37 - SEDIMENT INORGANIC CONSTITUENT RESULTS (CONTINUED)

Area	NYSDEC Sediment Criteria (a)		Midstream (North of On-Site Area)		Downstream (North of Stadium Property)
Sample Name	Class A	Class C	SD-08	SD-08 (DUP)	SD-09
Sample Date			4/16/2013	4/16/2013	4/16/2013
Aluminum	NC	NC	11,500 J	11,500 J	7,650 J
Antimony	NC	NC	3.21 UJ	3.55 UJ	3.08 UJ
Arsenic	10	33	6.37	5.98	7.60
Barium	NC	NC	82.8	81.5	45.0
Beryllium	NC	NC	0.290 JN	0.190 JN	0.100 JN
Cadmium	1	5	0.380 U	0.430 U	0.370 U
Calcium	NC	NC	NA	NA	NA
Chromium	43	110	19.2 J	18.4 J	11.3 J
Cobalt	NC	NC	15.3	13.4	9.95
Copper	32	150	18.0	22.9	18.9
Cyanide, Total	NC	NC	0.050 J	0.124 J	0.362 U
Iron	NC	NC	33,400	29,500	22,900
Lead	36	130	14.9	20.0	11.9
Magnesium	NC	NC	11,200 J	8,920 J	15,200 J
Manganese	NC	NC	414 J	405 J	324 J
Mercury	0.2	1	0.013 J	0.027	0.020
Nickel	23	49	42.1	36.6	30.1
Potassium	NC	NC	2,340 J	2,040 J	1,480 J
Selenium	NC	NC	1.28 UN	1.42 UN	1.23 UN
Silver	1.0	2.2	1.10	0.480 J	0.450 J
Sodium	NC	NC	186	249	165
Thallium	NC	NC	0.570 J	1.13 J	1.34 J
Vanadium	NC	NC	21.7	21.4	15.1
Zinc	120	460	81.9 J	94.1 J	64.1 J

APPENDIX O TABLE 38 - SEDIMENT VOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	Creek	Creek	Creek	Creek	Creek	Creek	Creek	Creek
Sample Name	SD-05A	SD-05B	SD-06A	SD-06B	SD-06FP	SD-07A	SD-07B	SD-07B (DUP)
Sample Date	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012
Acetone	0.046	0.034 J	0.051	0.042	0.035 U	0.028 J	0.070	0.078
Benzene	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Bromochloromethane	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Bromodichloromethane	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Bromoform	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Bromomethane	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Butanone, 2-	0.038 U	0.040 U	0.037 U	0.042 U	0.035 U	0.037 U	0.022 J	0.024 J
Carbon disulfide	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Carbon tetrachloride	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Chlorobenzene	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Chlorodibromomethane	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Chloroethane	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Chloroform	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Chloromethane	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Cyclohexane	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Dibromo-3-chloropropane, 1,2-	0.008 UJ	0.008 UJ	0.008 U	0.008 UJ	0.007 UJ	0.007 UJ	0.009 UJ	0.009 UJ
Dibromoethane, 1,2-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Dichlorobenzene, 1,2-	0.008 UJ	0.008 UJ	0.008 U	0.008 UJ	0.007 UJ	0.007 UJ	0.009 UJ	0.009 UJ
Dichlorobenzene, 1,3-	0.008 UJ	0.008 UJ	0.008 U	0.008 UJ	0.007 UJ	0.007 UJ	0.009 UJ	0.009 UJ
Dichlorobenzene, 1,4-	0.008 UJ	0.008 UJ	0.008 U	0.008 UJ	0.007 UJ	0.007 UJ	0.009 UJ	0.009 UJ
Dichlorodifluoromethane	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Dichloroethane, 1,1-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Dichloroethane, 1,2-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Dichloroethene, 1,1-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Dichloroethene, cis-1,2-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Dichloroethene, trans-1,2-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
NOTE: U = Not detected; the associated number is the reporting limit. J = Estimated concentration. Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260. Data Validation completed by Data Validation Services. All concentrations reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm).								

APPENDIX O TABLE 38 - SEDIMENT VOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	Creek	Creek	Creek	Creek	Creek	Creek	Creek	Creek
Sample Name	SD-05A	SD-05B	SD-06A	SD-06B	SD-06FP	SD-07A	SD-07B	SD-07B (DUP)
Sample Date	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012
Dichloropropane, 1,2-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Dichloropropene, cis-1,3-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Dichloropropene, trans-1,3-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Ethylbenzene	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Hexanone, 2-	0.038 U	0.040 U	0.037 U	0.042 U	0.035 U	0.037 U	0.045 U	0.044 U
Isopropylbenzene	0.008 UJ	0.008 UJ	0.008 U	0.008 UJ	0.007 UJ	0.007 UJ	0.009 UJ	0.009 UJ
Methyl acetate	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Methyl cyclohexane	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Methyl tert-butyl ether	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Methyl-2-pentanone, 4-	0.038 U	0.040 U	0.037 U	0.042 U	0.035 U	0.037 U	0.045 U	0.044 U
Methylene chloride	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Styrene	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Tetrachloroethane, 1,1,2,2-	0.008 UJ	0.008 UJ	0.008 U	0.008 UJ	0.007 UJ	0.007 UJ	0.009 UJ	0.009 UJ
Tetrachloroethene	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Toluene	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Trichlorobenzene, 1,2,3-	0.008 UJ	0.008 UJ	0.008 U	0.008 UJ	0.007 UJ	0.007 UJ	0.009 UJ	0.009 UJ
Trichlorobenzene, 1,2,4-	0.008 UJ	0.008 UJ	0.008 U	0.008 UJ	0.007 UJ	0.007 UJ	0.009 UJ	0.009 UJ
Trichloroethane, 1,1,1-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Trichloroethane, 1,1,2-	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Trichloroethene	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Trichlorofluoromethane	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Vinyl chloride	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Xylene, o	0.008 U	0.008 U	0.008 U	0.008 U	0.007 U	0.007 U	0.009 U	0.009 U
Xylenes, m+p	0.015 U	0.016 U	0.015 U	0.017 U	0.014 U	0.015 U	0.018 U	0.018 U

APPENDIX O TABLE 39 - SEDIMENT SEMIVOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	Creek	Creek	Creek	Creek	Creek	Creek	Creek
Sample Name	SD-05A	SD-05B	SD-06A	SD-06B	SD-07A	SD-07B	SD-07B (DUP)
Sample Date	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012
Acenaphthene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Acenaphthylene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Anthracene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Benzaldehyde	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Benzo(a)anthracene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Benzo(a)pyrene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Benzo(b)fluoranthene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Benzo(g,h,i)perylene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Benzo(k)fluoranthene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Biphenyl, 1,1'-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
bis(2-Chloroethoxy)methane	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
bis(2-Chloroethyl)ether	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
bis(2-Chloroisopropyl)ether	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
bis(2-Ethylhexyl)phthalate	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Bromophenyl-phenylether, 4-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Butylbenzylphthalate	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Carbazole	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Chloro-3-methylphenol, 4-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Chloroaniline, 4-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Chloronaphthalene, 2-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Chlorophenol, 2-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Chlorophenyl-phenylether, 4-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Chrysene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Dibenzo(a,h)anthracene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Dibenzofuran	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
NOTE:							
U = Not detected; the associated number is the reporting limit.							
J = Estimated concentration.							
Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8270. Data Validation completed by Data Validation Services.							
All concentrations reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm).							

APPENDIX O TABLE 39 - SEDIMENT SEMIVOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	Creek	Creek	Creek	Creek	Creek	Creek	Creek
Sample Name	SD-05A	SD-05B	SD-06A	SD-06B	SD-07A	SD-07B	SD-07B (DUP)
Sample Date	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012
Dichlorobenzidine, 3,3'-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Dichlorophenol, 2,4-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Diethylphthalate	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Dimethylphenol, 2,4-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Dimethylphthalate	0.590	0.498 J	0.464 J	0.618	0.332 J	0.546 J	0.682
Di-n-butylphthalate	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Dinitro-2-methylphenol, 4,6-	0.510 UJ	0.520 UJ	0.490 UJ	0.550 UJ	0.490 UJ	0.590 UJ	0.580 UJ
Dinitrophenol, 2,4-	0.510 UJ	0.520 UJ	0.490 UJ	0.550 UJ	0.490 UJ	0.590 UJ	0.580 UJ
Dinitrotoluene, 2,4-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Dinitrotoluene, 2,6-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Di-n-octylphthalate	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Fluoranthene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Fluorene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Hexachlorobenzene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Hexachlorobutadiene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Hexachlorocyclopentadiene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Hexachloroethane	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Indeno(1,2,3-cd)pyrene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Isophorone	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Methylnaphthalene, 2-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Methylphenol, 2-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Methylphenol, 3&4-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Naphthalene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Nitroaniline, 2-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Nitroaniline, 3-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Nitroaniline, 4-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Nitrobenzene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Nitrophenol, 2-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Nitrophenol, 4-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
N-Nitroso-di-n-propylamine	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
N-Nitrosodiphenylamine	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Pentachlorophenol	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Phenanthrene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Phenol	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Pyrene	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Tetrachlorophenol, 2,3,4,6-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Trichlorophenol, 2,4,5-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U
Trichlorophenol, 2,4,6-	0.510 U	0.520 U	0.490 U	0.550 U	0.490 U	0.590 U	0.580 U

APPENDIX O TABLE 40 - SEDIMENT PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - SMOKES CREEK CORRIDOR

Location	Creek	Creek	Creek	Creek	Creek	Creek	Creek	Creek
Sample Name	SD-05A	SD-05B	SD-06A	SD-06B	SD-06FP	SD-07A	SD-07B	SD-07B
Sample Date	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12
Aldrin	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
BHC, alpha-	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
BHC, beta-	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
BHC, delta-	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
BHC, gamma-	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Chlordane, alpha-	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Chlordane, beta-	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
DDD, p,p'-	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
DDE, p,p'-	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
DDT, p,p'-	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Dieldrin	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Endosulfan I	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Endosulfan II	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Endosulfan Sulfate	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Endrin	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Endrin Aldehyde	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Endrin Ketone	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Heptachlor	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Heptachlor Epoxide	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Methoxychlor	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.003 U	0.003 U
Toxaphene	0.026 U	0.027 U	0.025 U	0.028 U	0.024 U	0.025 U	0.030 U	0.030 U
Aroclor-1016	0.026 U	0.027 U	0.025 U	0.029 U	0.024 U	0.025 U	0.030 U	0.030 U
Aroclor-1221	0.026 U	0.027 U	0.025 U	0.029 U	0.024 U	0.025 U	0.030 U	0.030 U
Aroclor-1232	0.026 U	0.027 U	0.025 U	0.029 U	0.024 U	0.025 U	0.030 U	0.030 U
Aroclor-1242	0.026 U	0.027 U	0.025 U	0.029 U	0.024 U	0.025 U	0.030 U	0.030 U
Aroclor-1248	0.026 U	0.027 U	0.025 U	0.029 U	0.024 U	0.025 U	0.030 U	0.030 U
Aroclor-1254	0.026 U	0.027 U	0.025 U	0.029 U	0.024 U	0.025 U	0.030 U	0.030 U
Aroclor-1260	0.026 U	0.027 U	0.025 U	0.029 U	0.024 U	0.025 U	0.030 U	0.030 U
NOTE:								
mg/kg = Milligrams per kilogram								
U = Not detected; the associated number is the reporting limit.								
Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8081/8082. Data Validation completed by Data Validation Services.								
All concentrations reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm).								

APPENDIX O, TABLE 41 SEDIMENT TOTAL ORGANIC CARBON RESULTS - SMOKES CREEK CORRIDOR

Location	Smokes Creek										
Sample Name	SD-05A	SD-05B	SD-06A	SD-06B	SD-06FP	SD-07A	SD-07B	SD-07B (DUP)	SD-08	SD-08 (DUP)	SD-09
Sample Date	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	10/18/12	04/16/14	04/16/14	04/16/14
TOC (mg/kg)	25,000 J	16,000 J	23,000 J	25,000 J	23,000 J	25,000 J	22,000 J	24,000 J	16,000 J	16,000 J	30,000 J
NOTE: DUP = Duplicate TOC = Total organic carbon mg/kg = Milligrams per kilogram J = Estimated concentration. Analytical data results obtained by Chemtech Consulting Group by Lloyd Kahn. All concentrations reported in mg/kg equivalent to parts per million (ppm).											

APPENDIX O, TABLE 42 - STORMWATER OUTFALL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR

Area	NYSDEC Class C Criteria (µg/L) ^(a)	SMOKES CREEK FLOODPLAIN		
Sample Name		SW-03	SW-04	SW-04 (DUP)
Sample Date	Aquatic Chronic A(C)	11/07/12	11/07/12	11/07/12
Aluminum	100	27.3	13.7 J	8.55 J
Antimony	NC	7.4 JN	4.59 JN	6.34 JN
Arsenic	150	5 UN	5 UN	5 UN
Barium	NC	81.5	164	170
Beryllium	1,100	1.5 U	1.5 U	1.5 U
Cadmium ^(b)	107-142 ^(b)	0.270 J	1.5 U	1.5 U
Calcium	NC	147,000	213,000	217,000
Chromium	57.7-66.8 ^(b)	2.5 U	2.5 U	2.5 U
Cobalt	5	7.5 U	7.5 U	7.5 U
Copper ^(b)	188-254 ^(b)	7.90	1.34 J	1.4 J
Cyanide, Total	5.2	8.00	32.0	NA
Iron	300	62.4	2,290	2,380
Lead	1,476-2,092 ^(b)	3 U	3 U	3 U
Magnesium	NC	29,200	34,800	35,300
Manganese	NC	8.5	1,910	1,850
Mercury	0.77	0.200 U	0.200 U	0.200 U
Nickel	85.5-93.9 ^(b)	10 U	10 U	10 U
Potassium	NC	18,100 J	8,020 J	8,350 J
Selenium	4.6	6.98	3.09 JN	4.2 JN
Silver	0.1	2.5 U	2.5 U	2.5 U
Sodium	NC	410,000 J	1,420,000 J	4,770,000 J
Thallium	8	10 U	10 U	10 U
Vanadium	14	10 U	10 U	10 U
Zinc ^(b)	193-259 ^(b)	23.5	91.3	89.9
Hardness, ppm	NC	487	690	687
NOTE: NYSDEC = New York State Department of Environmental Conservation µg/L = Micrograms per liter DUP = Duplicate field sample ppb = Parts per billion N = Tentatively identified. NC = No criterion. J = Estimated concentration. U = The constituent was not detected. The associated value is the detection limit. mg/L = Milligrams per liter ppm = Parts per million Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 6000/7000 series for metals, total cyanide by 9010, and hardness by SM300. Data Validation completed by Data Validation Services. Concentrations reported in µg/L equivalent to parts per billion (ppb), except for hardness, which is reported in mg/L, equivalent to ppm. Bolded values indicate exceedance of Class C surface water standards or guidance values.				

APPENDIX O, TABLE 43 - STORMWATER OUTFALL VOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK
CORRIDOR

Area	Smokes Creek Floodplain		
Sample Name	SW-03	SW-04	SW-04 (DUP)
Sample Date	11/7/2012	11/7/2012	11/7/2012
Acetone	5 U	5 U	---
Benzene	1 U	1 U	---
Bromochloromethane	1 U	1 U	---
Bromodichloromethane	1 U	1 U	---
Bromoform	1 U	1 U	---
Bromomethane	1 UJ	1 UJ	---
Butanone, 2-	5 U	5 U	---
Carbon disulfide	1 U	1 U	---
Carbon tetrachloride	1 UJ	1 UJ	---
Chlorobenzene	1 U	1 U	---
Chlorodibromomethane	1 U	1 U	---
Chloroethane	1 U	1 U	---
Chloroform	1 U	1 U	---
Chloromethane	1 U	1 U	---
Cyclohexane	1 U	1 U	---
Dibromo-3-chloropropane, 1,2-	1 U	1 U	---
Dibromoethane, 1,2-	1 U	1 U	---
Dichlorobenzene, 1,2-	1 U	1 U	---
Dichlorobenzene, 1,3-	1 U	1 U	---
Dichlorobenzene, 1,4-	1 U	1 U	---
Dichlorodifluoromethane	1 U	1 U	---
Dichloroethane, 1,1-	1 U	1 U	---
Dichloroethane, 1,2-	1 U	1 U	---
Dichloroethene, 1,1-	1 U	1 U	---
Dichloroethene, cis-1,2-	1 U	1 U	---
Dichloroethene, trans-1,2-	1 U	1 U	---
NOTE: µg/L = Micrograms per liter --- = Not analyzed / not available. J = Estimated concentration. U = The constituent was not detected. The associated value is the detection limit. Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260. Data Validation completed by Data Validation Services. All concentrations reported in micrograms per liter (µg/L) equivalent to parts per billion (ppb).			

APPENDIX O, TABLE 43 - STORMWATER OUTFALL VOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK
CORRIDOR

Area	Smokes Creek Floodplain		
Sample Name	SW-03	SW-04	SW-04 (DUP)
Sample Date	11/7/2012	11/7/2012	11/7/2012
Dichloropropane, 1,2-	1 U	1 U	---
Dichloropropene, cis-1,3-	1 U	1 U	---
Dichloropropene, trans-1,3-	1 U	1 U	---
Ethylbenzene	1 U	1 U	---
Hexanone, 2-	5 U	5 U	---
Isopropylbenzene	1 U	1 U	---
Methyl acetate	1 UJ	1 UJ	---
Methyl cyclohexane	1 U	1 U	---
Methyl tert-butyl ether	1 U	1 U	---
Methyl-2-pentanone, 4-	5 U	5 U	---
Methylene chloride	1 U	1 U	---
Styrene	1 U	1 U	---
Tetrachloroethane, 1,1,2,2-	1 U	1 U	---
Tetrachloroethene	1 U	1 U	---
Toluene	1 U	1 U	---
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1 U	1 U	---
Trichlorobenzene, 1,2,3-	1 U	1 U	---
Trichlorobenzene, 1,2,4-	1 U	1 U	---
Trichloroethane, 1,1,1-	1 U	1 U	---
Trichloroethane, 1,1,2-	1 U	1 U	---
Trichloroethene	1 U	1 U	---
Trichlorofluoromethane	1 U	1 U	---
Vinyl chloride	1 U	1 U	---
Xylene, o	1 U	1 U	---
Xylenes, m+p	2 U	2 U	---

APPENDIX O, TABLE 44 - STORMWATER OUTFALL SEMIVOLATILE ORGANIC COMPOUND RESULTS - SMOKES
CREEK CORRIDOR

Area	Smokes Creek Floodplain		
Sample Name	SW-03	SW-04	SW-04 (DUP)
Sample Date	11/7/2012	11/7/2012	11/7/2012
Acenaphthene	10.3 U	10.2 U	10.2 U
Anthracene	10.3 U	10.2 U	10.2 U
Benzaldehyde	10.3 U	10.2 U	10.2 U
Benzo(a)anthracene	10.3 U	10.2 U	10.2 U
Benzo(a)pyrene	10.3 U	10.2 U	10.2 U
Benzo(b)fluoranthene	10.3 U	10.2 U	10.2 U
Benzo(k)fluoranthene	10.3 U	10.2 U	10.2 U
Biphenyl, 1,1'-	10.3 U	10.2 U	10.2 U
bis(2-Chloroethoxy)methane	10.3 U	10.2 U	10.2 U
bis(2-Chloroethyl)ether	10.3 U	10.2 U	10.2 U
bis(2-Chloroisopropyl)ether	10.3 U	10.2 U	10.2 U
bis(2-Ethylhexyl)phthalate	10.3 U	10.2 U	10.2 U
Bromophenyl-phenylether, 4-	10.3 U	10.2 U	10.2 U
Butylbenzylphthalate	10.3 U	10.2 U	10.2 U
Carbazole	10.3 U	10.2 U	10.2 U
Chloro-3-methylphenol, 4-	10.3 U	10.2 U	10.2 U
Chloroaniline, 4-	10.3 U	10.2 U	10.2 U
Chloronaphthalene, 2-	10.3 U	10.2 U	10.2 U
Chlorophenol, 2-	10.3 U	10.2 U	10.2 U
Chlorophenyl-phenylether, 4-	10.3 U	10.2 U	10.2 U
Chrysene	10.3 U	10.2 U	10.2 U
NOTE: µg/L = Micrograms per liter U = The constituent was not detected. The associated value is the detection limit. ppb = Parts per billion Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8270. Data Validation completed by Data Validation Services. All concentrations reported in micrograms per liter (µg/L) equivalent to parts per billion (ppb).			

APPENDIX O, TABLE 44 - STORMWATER OUTFALL SEMIVOLATILE ORGANIC COMPOUND RESULTS - SMOKES
CREEK CORRIDOR

Area	Smokes Creek Floodplain		
Sample Name	SW-03	SW-04	SW-04 (DUP)
Sample Date	11/7/2012	11/7/2012	11/7/2012
Dichlorobenzidine, 3,3'-	10.3 U	10.2 U	10.2 U
Dichlorophenol, 2,4-	10.3 U	10.2 U	10.2 U
Diethylphthalate	10.3 U	10.2 U	10.2 U
Dimethylphenol, 2,4-	10.3 U	10.2 U	10.2 U
Dimethylphthalate	10.3 U	10.2 U	10.2 U
Di-n-butylphthalate	10.3 U	10.2 U	10.2 U
Dinitro-2-methylphenol, 4,6-	10.3 U	10.2 U	10.2 U
Dinitrophenol, 2,4-	10.3 U	10.2 U	10.2 U
Dinitrotoluene, 2,4-	10.3 U	10.2 U	10.2 U
Dinitrotoluene, 2,6-	10.3 U	10.2 U	10.2 U
Di-n-octylphthalate	10.3 U	10.2 U	10.2 U
Fluoranthene	10.3 U	10.2 U	10.2 U
Fluorene	10.3 U	10.2 U	10.2 U
Hexachlorobenzene	10.3 U	10.2 U	10.2 U
Hexachlorobutadiene	10.3 U	10.2 U	10.2 U
Hexachlorocyclopentadiene	10.3 U	10.2 U	10.2 U
Hexachloroethane	10.3 U	10.2 U	10.2 U
Indeno(1,2,3-cd)pyrene	10.3 U	10.2 U	10.2 U
Isophorone	10.3 U	10.2 U	10.2 U
Methylnaphthalene, 2-	10.3 U	10.2 U	10.2 U
Methylphenol, 3&4-	10.3 U	10.2 U	10.2 U
Naphthalene	10.3 U	10.2 U	10.2 U
Nitroaniline, 2-	10.3 U	10.2 U	10.2 U
Nitroaniline, 3-	10.3 U	10.2 U	10.2 U
Nitroaniline, 4-	10.3 U	10.2 U	10.2 U
Nitrobenzene	10.3 U	10.2 U	10.2 U
Nitrophenol, 2-	10.3 U	10.2 U	10.2 U
Nitrophenol, 4-	10.3 U	10.2 U	10.2 U
N-Nitroso-di-n-propylamine	10.3 U	10.2 U	10.2 U
N-Nitrosodiphenylamine	10.3 U	10.2 U	10.2 U
Pentachlorophenol	10.3 U	10.2 U	10.2 U
Phenanthrene	10.3 U	10.2 U	10.2 U
Pyrene	10.3 U	10.2 U	10.2 U
Tetrachlorophenol, 2,3,4,6-	10.3 U	10.2 U	10.2 U
Trichlorophenol, 2,4,5-	10.3 U	10.2 U	10.2 U
Trichlorophenol, 2,4,6-	10.3 U	10.2 U	10.2 U

APPENDIX O, TABLE 45 - STORMWATER OUTFALL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS - SMOKES CREEK CORRIDOR

Area	Smokes Creek Floodplain		
Sample Name	SW-03	SW-04	SW-04 (DUP)
Sample Date	11/7/2012	11/7/2012	11/7/2012
Aldrin	0.1 U	0.1 U	---
Chlordane, beta-	0.1 U	0.1 U	---
DDD, p,p'-	0.1 U	0.1 U	---
DDE, p,p'-	0.1 U	0.1 U	---
DDT, p,p'-	0.1 U	0.1 U	---
Dieldrin	0.1 U	0.1 U	---
Endosulfan Sulfate	0.1 U	0.1 U	---
Endrin	0.1 U	0.1 U	---
Endrin Aldehyde	0.1 U	0.1 U	---
Endrin Ketone	0.1 U	0.1 U	---
Heptachlor	0.1 U	0.1 U	---
Heptachlor Epoxide	0.1 U	0.1 U	---
Methoxychlor	0.1 U	0.1 U	---
Toxaphene	1 U	1 U	---
Aroclor-1016	1 U	1 U	---
Aroclor-1221	1 U	1 U	---
Aroclor-1232	1 U	1 U	---
Aroclor-1242	1 U	1 U	---
Aroclor-1248	1 U	1 U	---
Aroclor-1254	1 U	1 U	---
Aroclor-1260	1 U	1 U	---
NOTE: µg/L = Micrograms per liter --- = Not analyzed / not available. U = The constituent was not detected. The associated value is the detection limit. ppb = Parts per billion Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8081/8082. Data Validation completed by Data Validation Services. All concentrations reported in micrograms per liter (µg/L) equivalent to parts per billion (ppb).			

APPENDIX O, TABLE 46 - OUTFALL SURFACE SOIL INORGANIC CONSTITUENT RESULTS - SMOKES CREEK CORRIDOR

Area Sample Name Sample Date	NYSDEC Soil Cleanup Objectives ^(a)	Outfall SD-03 10/26/12	Outfall SD-03A 10/18/12	Outfall SD-04 10/18/12
Aluminum	10,000	5,700 J	4,680	6,380
Antimony	12	1.64 UJ	1.58 UJ	1.77 UJ
Arsenic	13	4.67 J	3.96	5.2
Barium	433	46.6 J	60.4 J	65.4 J
Beryllium	10	0.140 J	0.310	0.260
Cadmium	4	1.88 J	0.830	0.370
Calcium	10,000	13,100 J	41,200 J	32,000 J
Chromium	41 (tri) / 1 (hex)	14.2 J	22.8 J	12.9 J
Cobalt	20	6.46	4.95	7.99
Copper	50	45 J	41.9 J	33.3 J
Cyanide, Total	---	0.227 J	0.089 J	0.419 U
Iron	---	13,400 J	14,800 J	21,100 J
Lead	63	138	65.3	53.8
Magnesium	---	3,340 J	4,500 J	8,090 J
Manganese	1,600	133 J	326 J	798 J
Mercury	0.18	0.046	0.026	0.027
Nickel	30	20 J	17.7	23.9
Potassium	---	608 J	564 J	878 J
Selenium	3.9	0.440 J	2.58	3.5
Silver	2	0.380 J	0.210 J	0.500
Sodium	---	280 J	298 J	1,920 J
Thallium	5	0.550 J	0.730 J	1.53
Vanadium	39	10.5 J	10.8	15
Zinc	109	298 J	238 J	235 J
(a) NYSDEC DER. 6 NYCRR Part 375 Environmental Remediation Programs. December 2006. Soil Cleanup Objective for Protection of Ecological Resources. NOTE: NYSDEC = New York State Department of Environmental Conservation NC = No criterion. J = Estimated concentration. U = Not detected; the associated number is the reporting limit. Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 6000/7000. Data Validation completed by Data Validation Services. All concentrations reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm). Bolded values indicate exceedance of the criteria				

APPENDIX O TABLE 47 - OUTFALL SURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	Outfall		
Sample Name	SD-03	SD-03A	SD-04
Sample Date	10/26/2012	10/18/2012	10/18/2012
Acetone	0.039 U	0.064	0.075
Benzene	0.008 U	0.007 U	0.008 U
Bromochloromethane	0.008 U	0.007 U	0.008 U
Bromodichloromethane	0.008 U	0.007 U	0.008 U
Bromoform	0.008 U	0.007 U	0.008 U
Bromomethane	0.008 U	0.007 U	0.008 U
Butanone, 2-	0.039 U	0.037 U	0.020 J
Carbon disulfide	0.008 U	0.007 U	0.008 U
Carbon tetrachloride	0.008 U	0.007 U	0.008 U
Chlorobenzene	0.008 U	0.007 U	0.008 U
Chlorodibromomethane	0.008 U	0.007 U	0.008 U
Chloroethane	0.008 U	0.007 U	0.008 U
Chloroform	0.008 U	0.007 U	0.008 U
Chloromethane	0.008 U	0.007 U	0.008 U
Cyclohexane	0.008 U	0.007 U	0.008 U
Dibromo-3-chloropropane, 1,2-	0.008 U	0.007 UJ	0.008 UJ
Dibromoethane, 1,2-	0.008 U	0.007 U	0.008 U
Dichlorobenzene, 1,2-	0.008 U	0.007 UJ	0.008 UJ
Dichlorobenzene, 1,3-	0.008 U	0.007 UJ	0.008 UJ
Dichlorobenzene, 1,4-	0.008 U	0.007 UJ	0.008 UJ
Dichlorodifluoromethane	0.008 U	0.007 U	0.008 U
Dichloroethane, 1,1-	0.008 U	0.007 U	0.008 U
Dichloroethane, 1,2-	0.008 U	0.007 U	0.008 U
Dichloroethene, 1,1-	0.008 U	0.007 U	0.008 U
Dichloroethene, cis-1,2-	0.008 U	0.007 U	0.008 U
Dichloroethene, trans-1,2-	0.008 U	0.007 U	0.008 U
NOTE: U = Not detected; the associated number is the reporting limit. J = Estimated concentration. Analytical data results obtained by Chemtech Consulting Group using SW-846 Method 8260. Data Validation completed by Data Validation Services. All concentrations reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm).			

APPENDIX O TABLE 47 - OUTFALL SURFACE SOIL VOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	Outfall		
Sample Name	SD-03	SD-03A	SD-04
Sample Date	10/26/2012	10/18/2012	10/18/2012
Dichloropropane, 1,2-	0.008 U	0.007 U	0.008 U
Dichloropropene, cis-1,3-	0.008 U	0.007 U	0.008 U
Dichloropropene, trans-1,3-	0.008 U	0.007 U	0.008 U
Ethylbenzene	0.008 U	0.007 U	0.008 U
Hexanone, 2-	0.039 U	0.037 U	0.041 U
Isopropylbenzene	0.008 U	0.007 UJ	0.008 UJ
Methyl acetate	0.008 U	0.007 U	0.008 U
Methyl cyclohexane	0.008 U	0.007 U	0.008 U
Methyl tert-butyl ether	0.008 U	0.007 U	0.008 U
Methyl-2-pentanone, 4-	0.039 U	0.037 U	0.041 U
Methylene chloride	0.025 U	0.007 U	0.008 U
Styrene	0.008 U	0.007 U	0.008 U
Tetrachloroethane, 1,1,2,2-	0.008 U	0.007 UJ	0.008 UJ
Tetrachloroethene	0.008 U	0.003 J	0.008 U
Toluene	0.008 U	0.003 J	0.008 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.008 U	0.007 U	0.008 U
Trichlorobenzene, 1,2,3-	0.008 U	0.007 UJ	0.008 UJ
Trichlorobenzene, 1,2,4-	0.008 U	0.007 UJ	0.008 UJ
Trichloroethane, 1,1,1-	0.008 U	0.007 U	0.008 U
Trichloroethane, 1,1,2-	0.008 U	0.007 U	0.008 U
Trichloroethene	0.008 U	0.007 U	0.008 U
Trichlorofluoromethane	0.008 U	0.007 U	0.008 U
Vinyl chloride	0.008 U	0.007 U	0.008 U
Xylene, o	0.008 U	0.007 U	0.008 U
Xylenes, m+p	0.016 U	0.015 U	0.017 U

APPENDIX O TABLE 48 - OUTFALL SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	Outfall		
Sample Name	SD-03	SD-03A	SD-04
Sample Date	10/26/2012	10/18/2012	10/18/2012
Acenaphthene	0.510 U	0.480 U	0.550 U
Acenaphthylene	0.510 U	0.480 U	0.550 U
Anthracene	0.510 U	0.370 J	0.550 U
Benzaldehyde	0.510 U	0.480 U	0.550 U
Benzo(a)anthracene	0.510 U	0.870	0.550 U
Benzo(a)pyrene	0.510 U	0.840 J	0.550 U
Benzo(b)fluoranthene	0.510 U	1.2 J	0.550 U
Benzo(g,h,i)perylene	0.510 U	0.600 J	0.550 U
Benzo(k)fluoranthene	0.510 U	0.440 J	0.550 U
Biphenyl, 1,1'-	0.510 U	0.480 U	0.550 U
bis(2-Chloroethoxy)methane	0.510 U	0.480 U	0.550 U
bis(2-Chloroethyl)ether	0.510 U	0.480 U	0.550 U
bis(2-Chloroisopropyl)ether	0.510 U	0.480 U	0.550 U
bis(2-Ethylhexyl)phthalate	0.510 U	0.480 U	0.550 U
Bromophenyl-phenylether, 4-	0.510 U	0.480 U	0.550 U
Butylbenzylphthalate	0.510 U	0.480 U	0.550 U
Carbazole	0.510 U	0.200 J	0.550 U
Chloro-3-methylphenol, 4-	0.510 U	0.480 U	0.550 U
Chloroaniline, 4-	0.510 U	0.480 U	0.550 U
Chloronaphthalene, 2-	0.510 U	0.480 U	0.550 U
Chlorophenol, 2-	0.510 U	0.480 U	0.550 U
Chlorophenyl-phenylether, 4-	0.510 U	0.480 U	0.550 U
Chrysene	0.510 U	1.00	0.550 U
Dibenzo(a,h)anthracene	0.510 U	0.480 U	0.550 U
Dibenzofuran	0.510 U	0.480 U	0.550 U
NOTE:			
U = Not detected; the associated number is the reporting limit.			
J = Estimated concentration.			
Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8270. Data Validation completed by Data Validation Services.			
All concentrations reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm).			

APPENDIX O TABLE 48 - OUTFALL SURFACE SOIL SEMIVOLATILE ORGANIC COMPOUND RESULTS - SMOKES CREEK CORRIDOR

Area	Outfall		
Sample Name	SD-03	SD-03A	SD-04
Sample Date	10/26/2012	10/18/2012	10/18/2012
Dichlorobenzidine, 3,3'-	0.510 U	0.480 U	0.550 U
Dichlorophenol, 2,4-	0.510 U	0.480 U	0.550 U
Diethylphthalate	0.510 U	0.480 U	0.550 U
Dimethylphenol, 2,4-	0.510 U	0.480 U	0.550 U
Dimethylphthalate	0.510 U	0.469 J	0.596
Di-n-butylphthalate	0.510 U	0.480 U	0.550 U
Dinitro-2-methylphenol, 4,6-	0.510 U	0.480 UJ	0.550 UJ
Dinitrophenol, 2,4-	0.510 U	0.480 UJ	0.550 UJ
Dinitrotoluene, 2,4-	0.510 U	0.480 U	0.550 U
Dinitrotoluene, 2,6-	0.510 U	0.480 U	0.550 U
Di-n-octylphthalate	0.510 U	0.480 U	0.550 U
Fluoranthene	0.420 J	2.6	0.550 U
Fluorene	0.510 U	0.480 U	0.550 U
Hexachlorobenzene	0.510 U	0.480 U	0.550 U
Hexachlorobutadiene	0.510 U	0.480 U	0.550 U
Hexachlorocyclopentadiene	0.510 U	0.480 U	0.550 U
Hexachloroethane	0.510 U	0.480 U	0.550 U
Indeno(1,2,3-cd)pyrene	0.510 U	0.540	0.550 U
Isophorone	0.510 U	0.480 U	0.550 U
Methylnaphthalene, 2-	0.510 U	0.480 U	0.550 U
Methylphenol, 2-	0.510 U	0.480 U	0.550 U
Methylphenol, 3&4-	0.510 U	0.480 U	0.550 U
Naphthalene	0.510 U	0.480 U	0.550 U
Nitroaniline, 2-	0.510 U	0.480 U	0.550 U
Nitroaniline, 3-	0.510 U	0.480 U	0.550 U
Nitroaniline, 4-	0.510 U	0.480 U	0.550 U
Nitrobenzene	0.510 U	0.480 U	0.550 U
Nitrophenol, 2-	0.510 U	0.480 U	0.550 U
Nitrophenol, 4-	0.510 U	0.480 U	0.550 U
N-Nitroso-di-n-propylamine	0.510 U	0.480 U	0.550 U
N-Nitrosodiphenylamine	0.510 U	0.480 U	0.550 U
Pentachlorophenol	0.510 U	0.480 U	0.550 U
Phenanthrene	0.260 J	1.9	0.550 U
Phenol	0.510 U	0.480 U	0.550 U
Pyrene	0.290 J	2.1	0.550 U
Tetrachlorophenol, 2,3,4,6-	0.510 U	0.480 U	0.550 U
Trichlorophenol, 2,4,5-	0.510 U	0.480 U	0.550 U
Trichlorophenol, 2,4,6-	0.510 U	0.480 U	0.550 U

APPENDIX O TABLE 49 - OUTFALL SOIL PESTICIDE/POLYCHLORINATED BIPHENYL RESULTS -
SMOKES CREEK CORRIDOR

Location	Outfall
Sample Name	SD-04
Sample Date	10/18/12
Aldrin	0.003 U
BHC, alpha-	0.003 U
BHC, beta-	0.003 U
BHC, delta-	0.003 U
BHC, gamma-	0.003 U
Chlordane, alpha-	0.003 U
Chlordane, beta-	0.003 U
DDD, p,p'-	0.003 U
DDE, p,p'-	0.003 U
DDT, p,p'-	0.003 U
Dieldrin	0.003 U
Endosulfan I	0.003 U
Endosulfan II	0.003 U
Endosulfan Sulfate	0.003 U
Endrin	0.003 U
Endrin Aldehyde	0.003 U
Endrin Ketone	0.003 U
Heptachlor	0.003 U
Heptachlor Epoxide	0.003 U
Methoxychlor	0.003 U
Toxaphene	0.028 U
Aroclor-1016	0.028 U
Aroclor-1221	0.028 U
Aroclor-1232	0.028 U
Aroclor-1242	0.028 U
Aroclor-1248	0.028 U
Aroclor-1254	0.028 U
Aroclor-1260	0.028 U
NOTE: mg/kg = Milligrams per kilogram U = Not detected; the associated number is the reporting limit. Analytical data results obtained by Chemtech Consulting Group using SW-846 Methods 8081/8082. Data Validation completed by Data Validation Services. All concentrations reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm).	

APPENDIX O, TABLE 50 OUTFALL SURFACE SOIL TOTAL ORGANIC CARBON RESULTS - SMOKES
CREEK CORRIDOR

Area	Outfall		
Sample Name	SD-03	SD-03A	SD-04
Sample Date	10/26/12	10/18/12	10/18/12
TOC (mg/kg)	27,000 J	56,000 J	22,000 J
NOTE: TOC = Total organic carbon mg/kg = Milligrams per kilogram J = Estimated concentration. Analytical data results obtained by Chemtech Consulting Group by Lloyd Kahn. All concentrations reported in mg/kg equivalent to parts per million (ppm).			

APPENDIX O, TABLE 51 - SUMMARY OF INDOOR AIR AND SUB-SLAB SOIL VAPOR RESULTS

Sample Matrix	NYSDOH Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor	Indoor Air		Outdoor Air
Sample Name	Guideline	SS-01	SS-01 (DUP)	IA-02	SS-02	IA-01	IA-01 (DUP)	OA-01
Sample Date	Values ^(a)	03/12/13	03/12/13	03/12/13	03/12/13	03/12/13	03/12/13	03/12/13
1,1,1-Trichloroethane	NC	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.33 J	0.28 UJ
1,1,2-Trichlorotrifluoroethane (Freon 113)	NC	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 J	0.54 UJ
1,1-Dichloroethane	NC	0.65 J	1.82 J	0.20 U	0.890	0.20 U	0.20 U	0.20 UJ
1,2,4-Trimethylbenzene	NC	5.60 J	10.91 J	0.840	13.72	1.52	1.82	0.38 UJ
1,3,5-Trimethylbenzene	NC	0.980	2.61 J	0.490	2.56	0.640	0.690	0.45 UJ
1,3-Dichlorobenzene	NC	0.33 U	0.33 U	0.54 J	0.33 U	0.33 U	0.33 U	0.33 UJ
2-Butanone (MEK)	NC	3.13 NJ	2.27	1.98	4.28 NJ	1.62 J	0.71 J	0.34 UJ
4-Ethyltoluene	NC	1.28 J	3.83 J	0.27 U	2.80	0.39 J	0.39 J	0.27 UJ
4-Isopropyltoluene	NC	0.33 U	0.800	0.33 U	0.33 U	0.33 U	0.33 U	0.33 UJ
Acetone	NC	14.23	21.1	8.65	21.01	6.89	7.65	9.70 J
Benzene	NC	0.86 J	1.37 J	0.51 J	1.28 J	0.48 J	0.45 J	0.34 UJ
Carbon disulfide	NC	1.46 J	3.67 J	0.18 U	16.46	0.310	0.18 U	0.18 UJ
Carbon tetrachloride	NC	0.38 J	0.27 U	0.44 J	0.27 U	0.44 J	0.38 J	0.27 UJ
Chloroform	NC	7.45 J	21.95 J	0.22 U	5.45	0.22 U	0.22 U	0.22 UJ
Chloromethane	NC	0.19 UJ	0.19 UJ	0.19 UJ	1.01 NJ	0.19 UJ	0.19 UJ	0.19 UJ
Cyclohexane	NC	0.28 U	0.28 U	0.28 U	2.17	0.28 U	0.28 U	0.28 UJ
Dichlorodifluoromethane (Freon12)	NC	1.88	2.03	1.98	1.83	1.88	2.23	0.89 J
Ethanol	NC	29.9	15.05 J	9.20	11.18	7.15	7.43	23.91 J
Ethyl acetate	NC	4.86 J	0.30 UJ	0.30 U	0.30 U	0.30 U	0.30 U	0.30 UJ
Ethylbenzene	NC	1.47 J	4.47 J	0.56	3.34	0.520	0.610	0.58 UJ
Hexane	NC	27.92 J	7.09 J	1.76	12.16	0.92 J	2.82 J	15.87 J
Isopropyl alcohol	NC	20.47 J	3.85 J	1.84	4.86	2.53 J	1.13 J	4.66 J
m,p-Xylene	NC	7.41 J	24.19 J	2.82	16.86	1.86	2.69	0.95 UJ
Methylene chloride	60	2.95 J	32.29 J	0.56 J	12.36 J	0.31 J	0.22 UJ	163.06 J
Naphthalene	NC	0.96 U	0.96 U	0.96 U	3.09	0.96 U	0.96 U	0.96 UJ
n-Butylbenzene	NC	0.31 U	0.77 NJ	0.31 U	1.15 NJ	0.31 U	0.31 U	0.31 UJ
n-Heptane	NC	0.57 U	0.90 U	0.41 U	0.25 U	0.490	0.450	0.25 UJ
o-Xylene	NC	2.38 J	7.67 J	0.950	6.20	0.26 U	0.780	0.26 UJ
Styrene	NC	0.23 U	0.23 U	0.23 U	0.430	0.23 U	0.23 U	0.23 UJ
Tetrachloroethene	100	0.41 U	1.22	0.41 U	1.42	0.41 U	0.47 J	0.41 UJ
Tetrahydrofuran	NC	0.16 UJ	0.16 UJ	0.16 UJ	0.16 U	3.01 J	0.16 UJ	0.16 UJ
Toluene	NC	5.91 J	16.63 J	3.57	11.55	3.39	3.88	0.32 UJ
Trichloroethene	5	0.32 J	4.35 J	0.32 J	0.28 U	0.28 U	1.83 J	0.28 UJ
Trichlorofluoromethane (Freon 11)	NC	1.07	0.840	1.07	0.900	1.07	1.01	0.90 J
(a) New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. Table 3.1 Air guideline values derived by the NYSDOH. NOTE: ID = Identification --- = Not available U = Not detected; the associated number is the method detection limit. J = Estimated concentration. NJ = The detection is tentative in identification and estimated in value. Table includes only those volatile organic compounds detected in one or more samples. Analytical data results obtained by Spectrum Analytical, Inc. using EPA Method TO-15. All concentrations reported in micrograms per meter cubed ($\mu\text{g}/\text{m}^3$).								