

**TABLE 5-7  
SURFACE SOIL SVOC RESULTS  
CHAMPAIGN MGP SITE  
CHAMPAIGN, ILLINOIS  
AMERENIP**

CONSTITUENT	UNITS/DEPTH	B-503	B-510	B-514	B-550	B-554	B-558
		B-503-3 7/13/2004	B-510-2 7/12/2004	B-514-3 7/22/2004	B-550-3 7/20/2004	B-554-3 7/15/2004	B-558-2 7/19/2004
		2'-3'	1'-2'	2'-3'	2'-3'	2'-3'	1'-2'
1,2,4-Trichlorobenzene	(mg/kg)	<50.3	<2.62	<2.12	<13.1	<3.43	<0.515
2,4,5-Trichlorophenol	(mg/kg)	<35.9	<1.87	<1.52	<9.37	<2.45	<0.368
2,4,6-Trichlorophenol	(mg/kg)	<47.7	<2.48	<2.01	<12.4	<3.25	<0.488
2,4-Dichlorophenol	(mg/kg)	<45.8	<2.38	<1.93	<11.9	<3.12	<0.469
2,4-Dimethylphenol	(mg/kg)	<48.0	<2.50	<2.03	<12.5	<3.27	<0.492
2,4-Dinitrophenol	(mg/kg)	<40.5	<2.11	<1.71	<10.6	<2.76	<0.414
2,4-Dinitrotoluene	(mg/kg)	<39.3	<2.05	<1.66	<10.3	<2.68	<0.403
2,6-Dinitrotoluene	(mg/kg)	<40.9	<2.13	<1.72	<10.7	<2.78	<0.418
2-Chloronaphthalene	(mg/kg)	<45.4	<2.36	<1.91	<11.8	<3.09	<0.465
2-Chlorophenol	(mg/kg)	<48.0	<2.50	<2.03	<12.5	<3.27	<0.492
2-Methylnaphthalene	(mg/kg)	<45.0	<2.30	<1.90	<12.0	<3.10	<0.460
3,3-Dichlorobenzidine	(mg/kg)	<32.5	<1.69	<1.37	<8.48	<2.22	<0.333
4,6-Dinitro-o-cresol	(mg/kg)	<40.9	<2.13	<1.72	<10.7	<2.78	<0.418
4-Bromophenyl phenyl ether	(mg/kg)	<34.8	<1.81	<1.47	<9.07	<2.37	<0.356
4-Chlorophenyl phenyl ether	(mg/kg)	<37.4	<1.95	<1.58	<9.76	<2.55	<0.383
Bis(2-chloroethoxy)methane	(mg/kg)	<44.3	<2.30	<1.87	<11.5	<3.02	<0.453
Bis(2-chloroethyl)ether	(mg/kg)	<53.7	<2.80	<2.27	<14.0	<3.66	<0.550
Bis(2-chloroisopropyl)ether	(mg/kg)	<43.1	<2.24	<1.82	<11.2	<2.94	<0.441
Bis(2-ethylhexyl)phthalate (BEHP)	(mg/kg)	<44.0	<2.30	<1.90	<12.0	<3.00	<0.450
Butyl benzyl phthalate	(mg/kg)	<38.2	<1.99	<1.61	<9.96	<2.60	<0.391
Carbazole	(mg/kg)	<46.0	<2.40	<2.00	<12.0	<3.10	<0.470
Dibenzofuran	(mg/kg)	<48.0	<2.50	<2.00	<12.0	<3.20	<0.490
Diethyl phthalate	(mg/kg)	<36.3	<1.89	<1.53	<9.47	<2.47	<0.372
Dimethyl phthalate	(mg/kg)	<34.4	<1.79	<1.45	<8.98	<2.35	<0.352
Di-n-butyl phthalate	(mg/kg)	<39.0	<2.03	<1.64	<10.2	<2.66	<0.399
Di-n-octyl phthalate	(mg/kg)	<39.3	<2.05	<1.66	<10.3	<2.68	<0.403
Hexachlorobenzene	(mg/kg)	<37.1	<1.93	<1.56	<9.67	<2.53	<0.379
Hexachlorobutadiene	(mg/kg)	<58.6	<3.05	<2.47	<15.3	<4.00	<0.600
Hexachlorocyclopentadiene	(mg/kg)	<38.6	<2.01	<1.63	<10.1	<2.63	<0.395
Hexachloroethane	(mg/kg)	<63.2	<3.29	<2.67	<16.5	<4.31	<0.647
Isophorone	(mg/kg)	<44.6	<2.32	<1.88	<11.6	<3.04	<0.457
m & p-Cresol(s)	(mg/kg)	<47.7	<2.48	<2.01	<12.4	<3.25	<0.488
m-Dichlorobenzene	(mg/kg)	<63.5	<3.31	<2.68	<16.6	<4.33	<0.651
m-Nitroaniline	(mg/kg)	<31.0	<1.61	<1.31	<8.09	<2.11	<0.318
Nitrobenzene	(mg/kg)	<47.3	<2.46	<1.99	<12.3	<3.22	<0.484
N-Nitrosodiphenylamine	(mg/kg)	<34.8	<1.81	<1.47	<9.07	<2.37	<0.356
N-Nitrosodipropylamine	(mg/kg)	<41.6	<2.17	<1.76	<10.8	<2.84	<0.426
o-Cresol	(mg/kg)	<44.6	<2.32	<1.88	<11.6	<3.04	<0.457
o-Dichlorobenzene	(mg/kg)	<60.1	<3.13	<2.54	<15.7	<4.10	<0.616
o-Nitroaniline	(mg/kg)	<34.4	<1.79	<1.45	<8.98	<2.35	<0.352
o-Nitrophenol	(mg/kg)	<42.4	<2.21	<1.79	<11.0	<2.89	<0.434
p-Chloroaniline	(mg/kg)	<45.8	<2.38	<1.93	<11.9	<3.12	<0.469
p-Chloro-m-cresol	(mg/kg)	<41.6	<2.17	<1.76	<10.8	<2.84	<0.426
PCP	(mg/kg)	<250	<13.0	<10.5	<65.1	<17.0	<2.56
p-Dichlorobenzene	(mg/kg)	<60.1	<3.13	<2.54	<15.7	<4.10	<0.616
Phenol	(mg/kg)	<43.9	<2.28	<1.85	<11.4	<2.99	<0.449
p-Nitroaniline	(mg/kg)	<34.4	<1.79	<1.45	<8.98	<2.35	<0.352
p-Nitrophenol	(mg/kg)	<37.1	<1.93	<1.56	<9.67	<2.53	<0.379

Notes: mg/kg Milligrams per kilogram  
 (1) Provisional remediation objective provided by IEPA  
 ----- No remediation objective has been established by the IEPA for this constituent for this exposure route  
 <12 Not detected at the level identified  
 Analytical result exceeds one or more Tier 1 RO