

**TABLE 3-10
SURFACE SOIL SVOC RESULTS
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP**

CONSTITUENT	Tier 1 Remediation Objectives									Soil Component to GW (Class I)	UNITS/DEPTH	B-503	B-510	B-514	B-550	B-554
	Soil			Soil			Soil					B-503-3	B-510-2	B-514-3	B-550-3	B-554-3
	Ingestion			Inhalation			Indoor Inhalation					7/13/2004	7/12/2004	7/22/2004	7/20/2004	7/15/2004
	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial			2'-3'	1'-2'	2'-3'	2'-3'	2'-3'	
1,2,4-Trichlorobenzene	780	20,000	35	3,200	3,200	920	220	980	5	(mg/kg)	<50.3	<2.62	<2.12	<13.1	<3.43	
2,4,5-Trichlorophenol	7,800	200,000	200,000	---	---	---	---	---	270	(mg/kg)	<35.9	<1.87	<1.52	<9.37	<2.45	
2,4,6-Trichlorophenol	58	520	11,000	200	390	540	---	---	0.2	(mg/kg)	<47.7	<2.48	<2.01	<12.4	<3.25	
2,4-Dichlorophenol	230	6,100	610	---	---	---	---	---	1	(mg/kg)	<45.8	<2.38	<1.93	<11.9	<3.12	
2,4-Dimethylphenol	1,600	41,000	41,000	---	---	---	---	---	9	(mg/kg)	<48.0	<2.50	<2.03	<12.5	<3.27	
2,4-Dinitrophenol	160	4,100	410	---	---	---	---	---	0.2	(mg/kg)	<40.5	<2.11	<1.71	<10.6	<2.76	
2,4-Dinitrotoluene	0.9	8.4	180	---	---	---	---	---	0.0008	(mg/kg)	<39.3	<2.05	<1.66	<10.3	<2.68	
2,6-Dinitrotoluene	0.9	8.4	180	---	---	---	---	---	0.0007	(mg/kg)	<40.9	<2.13	<1.72	<10.7	<2.78	
2-Chloronaphthalene	6,300	160,000	160,000	---	---	---	---	---	240	(mg/kg)	<45.4	<2.36	<1.91	<11.8	<3.09	
2-Chlorophenol	390	10,000	10,000	53,000	53,000	53,000	---	---	4	(mg/kg)	<48.0	<2.50	<2.03	<12.5	<3.27	
2-Methylnaphthalene	2,300	61,000	61,000	---	---	---	83	83	29	(mg/kg)	<45.0	<2.30	<1.90	<12.0	<3.10	
3,3-Dichlorobenzidine	1.0	13	280	---	---	---	---	---	0.007	(mg/kg)	<32.5	<1.69	<1.37	<8.48	<2.22	
4,6-Dinitro-o-cresol	27 ⁽¹⁾	720 ⁽¹⁾	71 ⁽¹⁾	---	---	---	---	---	0.04 ⁽¹⁾	(mg/kg)	<40.9	<2.13	<1.72	<10.7	<2.78	
4-Bromophenyl phenyl ether	---	---	---	---	---	---	---	---	---	(mg/kg)	<34.8	<1.81	<1.47	<9.07	<2.37	
4-Chlorophenyl phenyl ether	---	---	---	---	---	---	---	---	---	(mg/kg)	<37.4	<1.95	<1.58	<9.76	<2.55	
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	(mg/kg)	<44.3	<2.30	<1.87	<11.5	<3.02	
Bis(2-chloroethyl)ether	0.6	5.0	75.0	0.2	0.5	0.7	0.5	3.7	0.0004	(mg/kg)	<53.7	<2.80	<2.27	<14.0	<3.66	
Bis(2-chloroisopropyl)ether	3100 ⁽¹⁾	82000 ⁽¹⁾	8200 ⁽¹⁾	1300 ⁽¹⁾	1300 ⁽¹⁾	1300 ⁽¹⁾	---	---	2.4	(mg/kg)	<43.1	<2.24	<1.82	<11.2	<2.94	
Bis(2-ethylhexyl)phthalate (BEHP)	46	410	4,100	31,000	31,000	31,000	---	---	3,600	(mg/kg)	<44.0	<2.30	<1.90	<12.0	<3.00	
Butyl benzyl phthalate	16,000	410,000	410,000	930	930	930	---	---	930	(mg/kg)	<38.2	<1.99	<1.61	<9.96	<2.60	
Carbazole	32	290	6,200	---	---	---	---	---	0.60	(mg/kg)	<46.0	<2.40	<2.00	<12.0	<3.10	
Dibenzofuran	310	8,200	820	---	---	---	---	---	15	(mg/kg)	<48.0	<2.50	<2.00	<12.0	<3.20	
Diethyl phthalate	63,000	1,000,000	1,000,000	2,000	2,000	2,000	---	---	470	(mg/kg)	<36.3	<1.89	<1.53	<9.47	<2.47	
Dimethyl phthalate	780,000 ⁽¹⁾	1,000,000 ⁽¹⁾	1,000,000 ⁽¹⁾	1,300 ⁽¹⁾	1,300 ⁽¹⁾	1,300 ⁽¹⁾	---	---	380 ⁽¹⁾	(mg/kg)	<34.4	<1.79	<1.45	<8.98	<2.35	
Di-n-butyl phthalate	7,800	200,000	200,000	2,300	2,300	2,300	---	---	0.0004	(mg/kg)	<39.0	<2.03	<1.64	<10.2	<2.66	
Di-n-octyl phthalate	1,600	41,000	4,100	10,000	10,000	10,000	---	---	10,000	(mg/kg)	<39.3	<2.05	<1.66	<10.3	<2.68	
Hexachlorobenzene	0.4	4.0	78.0	1	1.8	2.6	0.25	0.25	2	(mg/kg)	<37.1	<1.93	<1.56	<9.67	<2.53	
Hexachlorobutadiene	16	410	41	1,000	1,000	180	---	---	2.9	(mg/kg)	<58.6	<3.05	<2.47	<15.3	<4.00	
Hexachlorocyclopentadiene	550	14,000	14,000	10	16	1.1	5.0	30.0	400	(mg/kg)	<38.6	<2.01	<1.63	<10.1	<2.63	
Hexachloroethane	78	2,000	2,000	---	---	---	160	160	0.5	(mg/kg)	<63.2	<3.29	<2.67	<16.5	<4.31	
Isophorone	15,600	410,000	410,000	4,600	4,600	4,600	1,800	1,800	8	(mg/kg)	<44.6	<2.32	<1.88	<11.6	<3.04	
m & p-Cresol(s)	390 ⁽¹⁾	10,000 ⁽¹⁾	1,000 ⁽¹⁾	---	---	---	---	---	0.24 ⁽¹⁾	(mg/kg)	<47.7	<2.48	<2.01	<12.4	<3.25	
m-Dichlorobenzene	70 ⁽¹⁾	1,800 ⁽¹⁾	180 ⁽¹⁾	570 ⁽¹⁾	570 ⁽¹⁾	570 ⁽¹⁾	---	---	0.2 ⁽¹⁾	(mg/kg)	<63.5	<3.31	<2.68	<16.6	<4.33	
m-Nitroaniline	---	---	---	---	---	---	---	---	---	(mg/kg)	<31.0	<1.61	<1.31	<8.09	<2.11	
Nitrobenzene	39	1,000	1,000	92	140	9.4	140.0	380.0	0.1	(mg/kg)	<47.3	<2.46	<1.99	<12.3	<3.22	
N-Nitrosodiphenylamine	130	1,200	25,000	---	---	---	---	---	1	(mg/kg)	<34.8	<1.81	<1.47	<9.07	<2.37	
N-Nitrosodipropylamine	0.09	0.8	18	---	---	---	0.43	3.1	0.00005	(mg/kg)	<41.6	<2.17	<1.76	<10.8	<2.84	
o-Cresol	3,900	100,000	100,000	---	---	---	---	---	15	(mg/kg)	<44.6	<2.32	<1.88	<11.6	<3.04	
o-Dichlorobenzene	7,000	180,000	560	560	18,000	310	---	---	17	(mg/kg)	<60.1	<3.13	<2.54	<15.7	<4.10	
o-Nitroaniline	---	---	---	73 ⁽¹⁾	120 ⁽¹⁾	7.5 ⁽¹⁾	---	---	---	(mg/kg)	<34.4	<1.79	<1.45	<8.98	<2.35	
o-Nitrophenol	---	---	---	---	---	---	---	---	---	(mg/kg)	<42.4	<2.21	<1.79	<11.0	<2.89	
p-Chloroaniline	310	8,200	---	---	820	---	---	---	0.7	(mg/kg)	<45.8	<2.38	<1.93	<11.9	<3.12	
p-Chloro-m-cresol	---	---	---	---	---	---	---	---	---	(mg/kg)	<41.6	<2.17	<1.76	<10.8	<2.84	
PCP	3	24	52	---	---	---	---	---	0.03	(mg/kg)	<250	<13.0	<10.5	<65.1	<17.0	
p-Dichlorobenzene	---	---	---	11,000	17,000	340	---	---	2	(mg/kg)	<60.1	<3.13	<2.54	<15.7	<4.10	
Phenol	47,000	1,000,000	120,000	---	---	---	---	---	100	(mg/kg)	<43.9	<2.28	<1.85	<11.4	<2.99	
p-Nitroaniline	---	---	---	---	---	---	---	---	---	(mg/kg)	<34.4	<1.79	<1.45	<8.98	<2.35	
p-Nitrophenol	---	---	---	---	---	---	---	---	---	(mg/kg)	<37.1	<1.93	<1.56	<9.67	<2.53	

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