

**TABLE 7-1  
PROJECT REMEDIATION OBJECTIVES  
FOR CONSTITUENTS OF CONCERN  
CHAMPAIGN MGP  
AMERENIP**

	<b>Tier 1 Remediation Objective</b>									
	<b><i>Ingestion</i></b>			<b><i>Inhalation</i></b>			<b><i>Indoor Inhalation</i></b>		<b>IEPA Accepted Background Levels</b>	<b>Project Remediation Objective</b>
	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	MSA	
<b><i>Volatile Organic Compounds (mg/kg)</i></b>										
Benzene	12	100	2,300	0.80	1.6	2.2	0.069	0.51	---	0.069
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130	130	---	58
Toluene	16,000	410,000	410,000	650	650	42.0	240	240	---	42
Total Xylenes	16,000	410,000	41,000	410	320	5.6	63	100	---	5.6
Styrene	16,000	410,000	41,000	1,500	1,500	430	230	230	---	230
Acetone	7,800	200,000	200,000	100,000	100,000	10,000	100,000	100,000	---	7,800
Methylene Chloride	85	760	12,000	13	24	34	1.4	10		1.4
<b><i>Semivolatile Organic Compounds (mg/kg)</i></b>										
Acenaphthene	4,700	120,000	120,000	---	---	---	---	---	0.13	4,700
Acenaphthylene	2,300 <sup>(1)</sup>	61,000 <sup>(1)</sup>	61,000 <sup>(1)</sup>	---	---	---	---	---	0.07	2,300
Benzo(a)anthracene	0.9	8	170	---	---	---	---	---	1.8	1.80
Benzo(a)pyrene	0.09	0.8	17	---	---	---	---	---	2.1	2.1
Benzo(b)fluoranthene	0.9	8	170	---	---	---	---	---	2.1	2.1
Benzo(k)fluoranthene	9	78	1,700	---	---	---	---	---	1.7	9
Chrysene	88	780	17,000	---	---	---	---	---	2.7	88
Dibenzo(a,h)anthracene	0.09	0.8	17	---	---	---	---	---	0.42	0.42
Dibenzofuran	310 <sup>(1)</sup>	8,200 <sup>(1)</sup>	820 <sup>(1)</sup>	---	---	---	---	---	---	310
Fluorene	3,100	82,000	82,000	---	---	---	---	---	0.18	3,100
Indeno(1,2,3-cd)pyrene	0.9	8	170	---	---	---	---	---	1.6	1.6
Naphthalene	1,600	41,000	4,100	170	270	1.8	34	34	0.2	1.8
Phenanthrene	2,300 <sup>(1)</sup>	61,000 <sup>(1)</sup>	61,000 <sup>(1)</sup>	---	---	---	---	---	2.5	2,300
2-methylnaphthalene	2,300	61,000	61,000	---	---	---	83	83	0.14	83
<b><i>Metals (mg/kg)</i></b>										
Arsenic	13	13	61	750	1,200	25,000	---	---	13	13
Chromium	230	6,100	4,100	270	420	690	---	---	16.2	230
Lead	400	800	700	---	---	---	---	---	36	400
Mercury	23	610	61	10	16	0.1	0.45	0.45	0.06	0.1
<b><i>Inorganics (mg/kg)</i></b>										
Cyanide	1,600	41,000	4,100	---	---	---	---	---	0.51	1,600

Notes:

(1) Non-TACO or provisional RO provided by the IEPA

--- No remediation objective has been established by the IEPA for this constituent for exposure route

mg/kg Milligrams per kilogram