

Plan A Target Concentrations

Chemicals of Concern (COCs)	Groundwater (mg/L)			Groundwater Protective Soil (mg/kg)			Health-Based Soil (mg/kg)		Construction Worker		Irrigation Well (mg/L)		Hypothetical POE (mg/L)
	Beneficial Groundwater Use Category												
	I	II	III	I	II	III	Resident	Com/Ind	Soil (mg/kg)	Ground-water (mg/L)	Resident	Com/Ind	Groundwater
Benzene	0.005	0.0568	0.27	0.12	1.34	6.40	7.14	9.62	21.9	61.2	0.408	2.06	4.03
<i>Ethylbenzene</i>	0.7	3.65	5.21	36.8	88.8*	88.8*	3,270	22,400	525	32.3	9.22	28.2	7.77
<i>Toluene</i>	1.0	2.92	4.17	39.1	114	163	3,850	35,200	907	51.7	10.1	43.5	6.21
<i>Xylenes (total)</i>	10.0	10.0	10.4	117*	117*	117*	1,870	9,280	202	46.6	17.5	51.7	15.5
<i>Acenaphthene</i>	2.19	2.19	3.13	34.1	34.1	34.1	4,690	123,000	11,500	3.04	2.06	4.21	4.66
<i>Acenaphthylene</i>	2.19	2.19	3.13	54.7*	54.7*	54.7*	4,690	123,000	11,500	3.77	2.66	5.77	4.66
<i>Anthracene</i>	11.0	11.0	15.6	2.04	2.04	2.04	23,500	613,000	57,700	12.6	9.14	18.3	23.3
<i>Benz-a-anthracene</i>	0.000852	0.00852	0.0406	7.1	7.1	7.1	6.37	55.3	486	0.0512	0.0034	0.00395	0.604
<i>Benzo-a-pyrene</i>	0.0002	0.000852	0.00406	3.09*	3.09*	3.09*	0.639	5.66	53.4	0.00233	0.0002	0.0002	0.0604
<i>Benzo-b-fluoranthene</i>	0.000852	0.00852	0.0406	3.61*	3.61*	3.61*	6.38	55.9	507	0.0262	0.00166	0.00189	0.604
<i>Benzo-g,h,i-perylene</i>	1.1	1.1	1.56	0.824*	0.824*	0.824*	2,350	61,300	5,770	0.028	0.056	0.0967	2.33
<i>Benzo-k-fluoranthene</i>	0.00852	0.0852	0.406	1.35*	1.35*	1.35*	64	572	5,590	0.228	0.0166	0.0189	6.04
<i>Chrysene</i>	0.0852	0.852	4.06	1.24*	1.24*	1.24*	639	5,630	52,500	4.84	0.34	0.395	60.4
<i>Dibenz-a,h-anthracene</i>	0.0002	0.000852	0.00406	1.91*	1.91*	1.91*	0.64	5.72	55.9	0.0011	0.0002	0.0002	0.0604
<i>Fluoranthene</i>	1.46	1.46	2.09	25.5*	25.5*	25.5*	3,130	81,800	7,690	0.387	0.631	1.17	3.11
<i>Fluorene</i>	1.46	1.46	2.09	30.2*	30.2*	30.2*	3,130	81,800	7,690	2.12	1.73	3.73	3.11
<i>Indeno-1,2,3-cd-pyrene</i>	0.000852	0.00852	0.0406	26.0*	26.0*	26.0*	6.4	57.2	558	0.0109	0.000804	0.000902	0.604
Methyl tert-butyl ether (MTBE) (see footnote)	0.24	0.365	0.521	2.56	3.90	5.57	87.3	128	294	83.5	1.86	28.7	0.777
<i>Naphthalene</i>	0.73	0.73	1.04	99.7*	99.7*	99.7*	112	531	11.5	0.668	1.77	5.24	1.55
<i>Phenanthrene</i>	1.10	1.10	1.56	28.2*	28.2*	28.2*	2,350	61,300	6,390	1.33	0.914	1.83	2.33
<i>Pyrene</i>	1.10	1.10	1.56	10.3*	10.3*	10.3*	2,350	61,300	5,770	0.294	0.473	0.875	2.33

Normal font: Carcinogenic COC

Italic font: Non-carcinogenic COC

Bold font: Maximum Contaminant Level (MCL)

*: The saturated soil concentration is substituted for the calculated value.

MTBE: Groundwater is non-carcinogenic, soil is carcinogenic.