

TABLE 5-2

TIER 3A RBSLs FOR SOIL CONCENTRATIONS (FOR LEACHING TO GROUNDWATER) FOR DIFFERENT DISTANCES TO THE GROUNDWATER EXPOSURE POINT

CHEMICALS OF CONCERN	WATER STANDARD [ug/L]	TIER 3A RBSLs FOR SOIL CONCENTRATION AT THE SOURCE FOR DIFFERENT DISTANCES TO THE EXPOSURE POINT											
		0 ft.	50 ft.	100 ft.	150 ft.	200 ft.	250 ft.	300 ft.	350 ft.	400 ft.	450 ft.	500 ft.	1000 ft.
		[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]
Benzene	5	0.04	0.0523	0.124	0.249	0.425	0.651	0.927	1.25	1.63	2.06	2.54	10.1
Toluene	1000	12.4	16.3	38.7	77.5	132	202	288	390	507	640	789	1310 *
Ethylbenzene	700	16.2	21.1	50.2	101	172	263	375	507	659	781 *	781 *	781 *
Xylenes (mixed)	10000	421	421	421	421 *	421 *	421 *	421 *	421 *	421 *	421 *	421 *	421 *
1,2 Dichloroethane (DCA)	5	0.0126	0.0165	0.0392	0.0786	0.134	0.205	0.293	0.396	0.514	0.649	0.8	3.18
Methyl Tertbutyl Ether (MtBE)	133	0.146	0.191	0.455	0.911	1.55	2.38	3.39	4.59	5.96	7.53	9.27	36.8
Ethylene Dibromide (EDB)	0.05	0.0001250	0.000164	0.000389	0.000780	0.00133	0.00204	0.0029	0.00392	0.0051	0.00644	0.00749	0.0315
Naphthalene	1.11	0.0855	0.112	0.266	0.532	0.908	1.39	1.98	2.68	3.48	4.4	5.42	21.5

Note:

* Calculated Tier 3A RBSLs for soil concentrations exceeded saturated soil concentration and hence the saturated soil concentrations are listed as the Tier 3A RBSLs for soil concentrations protective of groundwater. Soil concentrations are presented on a dry weight basis.