

**TABLE 4-1  
KDHE TIER 2 RISK-BASED SCREENING LEVELS**

Chemical Name	CAS No.	RESIDENTIAL SCENARIOS			NON - RESIDENTIAL SCENARIOS		
		Soil Pathway	Soil to Ground Water Protection Pathway *	Ground Water Pathway	Soil Pathway	Soil to Ground Water Protection Pathway *	Ground Water Pathway
		(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)	(mg/kg)	(ug/L)
Benzene	71-43-2	15.9 c	0.168	5 m	28.2 c	0.168	5 m
Toluene	108-88-3	4320 n	51.2	1000 m	29800 n	51.2	1000 m
Ethylbenzene	100-41-4	82 c	65.6	700 m	145 c	65.6	700 m
Xylenes (mixed)	1330-20-7	936 n	809	10000 m	1410 n	809	10000 m
1,2 Dichloroethane (DCA)	107-06-2	6.27 c	0.06	5 m	10.9 c	0.06	5 m
MethylTert-butyl Ether (MtBE)	1634-04-4	585 c	0.848	133 c	1050 c	1.66	262 c
Naphthalene	91-20-3	30.5 c	0.349	1.11 c	64.7 c	0.659	2.11 c
Ethylene Dibromide (EDB)	106-93-4	.483 c	0.000598	0.05 m	.859 c	0.000598	0.05 m
TPH (GRO)		220	79.3	500	450	79.3	500
TPH (DRO)		2000	5440	500	20000	7830	720

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Footnotes:

n = value based on non-carcinogenic health risk, with a hazard index (HI) = 1  
c = value based on carcinogenic health risk with a target cancer risk of 10E-5  
m = groundwater value is equal to the EPA MCL