

TABLE 3-3
CHEMICAL-SPECIFIC FATE & TRANSPORT PARAMETERS

CHEMICAL	Koc [cm ³ /g]	Kd [cm ³ /g]	H' [cc-H ₂ O/cc-air]	S [mg/l]	Dair [cm ² /s]	Dwater [cm ² /s]
Benzene	146	1.46	0.23	1790	0.09	0.00001
1,2 Dichloroethane (DCA)	39.6	0.396	0.048	8600	0.086	0.000011
Ethylbenzene	446	4.46	0.32	169	0.068	0.0000085
Ethylene dibromide (EDB)	39.6	0.396	0.027	3910	0.043	0.00000518
Methyl tertbutyl Ether (MtBE)	11.6	0.116	0.024	51000	0.075	0.0000086
Naphthalene	1540	15.4	0.018	31	0.06	0.0000084
Toluene	234	2.34	0.27	526	0.078	0.0000092
Xylenes (mixed)	383	3.83	0.21	106	0.085	0.0000099

Definition of Symbols

Koc : Organic carbon partition coefficient

Kd : Soil-water partition coefficient

H : Normalized Henry's Law constant

Note: Kd = Koc x foc (from Fate and Transport Input Table)

S: Solubility

Dair: Diffusion coefficient in air

Dwater: Diffusion coefficient in water