

Summary Vapor Intrusion Screening Values for Contaminant Short Lists

Pennsylvania Department of Environmental Protection

November 2016



Residential Statewide Health Standard		Indoor Air	Sub-Slab	Near-Source	Soil	GW
Regulated Substance	CAS No.	SV _{IA,R} (µg/m ³)	SV _{SS,R} (µg/m ³)	SV _{NS,R} (µg/m ³)	SV _{SOIL,R} (mg/kg)	SV _{GW,R} (µg/L)
BENZENE	71-43-2	3.1	120	620	0.13	23
TOLUENE	108-88-3	5,200	200,000	1,000,000	44	34,000
ETHYL BENZENE	100-41-4	9.7	370	1,900	46	700
XYLENES (TOTAL)	1330-20-7	100	4,000	21,000	990	10,000
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	94	3,600	19,000	0.28	6,300
CUMENE (ISOPROPYL BENZENE)	98-82-8	420	16,000	83,000	600	1,900
NAPHTHALENE	91-20-3	0.72	28	140	25	100
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	7.3	280	1,500	8.4	59
TRIMETHYLBENZENE, 1,3,5-	108-67-8	7.3	280	1,500	74	420
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	0.041	1.6	8.1	0.0012	2.9
TETRACHLOROETHYLENE (PCE)	127-18-4	42	1,600	8,300	0.43	110
TRICHLOROETHYLENE (TCE)	79-01-6	2.1	80	420	0.17	9.0
DICHLOROETHANE, 1,1-	75-34-3	15	590	3,000	0.75	110
DICHLOROETHANE, 1,2-	107-06-2	0.94	36	190	0.10	34
DICHLOROETHYLENE, 1,1-	75-35-4	210	8,000	42,000	0.19	300
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	63	2,400	13,000	2.3	600
TRICHLOROETHANE, 1,1,1-	71-55-6	5,200	200,000	1,000,000	7.2	12,000
TRICHLOROETHANE, 1,1,2-	79-00-5	0.21	8.0	42	0.15	11
VINYL CHLORIDE	75-01-4	0.79	30	160	0.027	2.0