



LDEQ RECAP SCREENING STANDARDS FOR SOIL AND GROUNDWATER

337-237-4775 / 800-304-5227

10/29/2003

COMPOUND	SOIL_SSni mg/kg	SOIL_SSI mg/kg	SOIL_SSGW mg/kg	GW_SS mg/L
HYDROCARBON FRACTIONS				
Aliphatics >C10-C12	230	2000	10000	0.15
Aliphatics >c12-C16	370	3800	10000	0.15
Aliphatics >c16-C35	7100	10000	10000	7.3
Aliphatics >C8-C10	120	880	5300	0.15
Aliphatics C6-C8	1200	8000	10000	3.2
Aromatics >C10-C12	120	1100	100	0.15
Aromatics >C12-C16	180	2100	200	0.15
Aromatics >C16-C21	150	1700	2100	0.15
Aromatics >C21-C35	180	2500	10000	0.15
Aromatics >C8-C10	65	510	65	0.15
TPH-D	65	510	65	0.15
TPH-G	65	510	65	0.15
TPH-O	180	2500	10000	0.15
METALS				
Antimony	3.1	82	12	0.006
Arsenic	12	12	100	0.01
Barium	550	14000	2000	2
Beryllium	16	410	8	0.004
Cadmium	3.9	100	20	0.005
Chromium (III)	12000	310000	100	0.1
Chromium (VI)	23	610	100	0.1
Cobalt	470	12000	4400	0.22
Copper	310	8200	1500	1.3
Lead (inorganic)	400	1400	100	0.015
Mercury (inorganic)	2.3	61	4	0.002
Nickel	160	4100	1500	0.073
Selenium	39	1000	20	0.05
Silver	39	1000	100	0.018
Thallium	0.55	14	4	0.002
Vanadium	55	1400	520	0.026
Zinc	2300	61000	2800	1.1
PNA'S				
Acenaphthene	370	6100	220	0.037
Acenaphthylene	350	5100	88	0.1
Anthracene	2200	48000	120	0.043
Benzo(a)anthracene	0.62	2.9	330	0.0078
Benzo(a)pyrene	0.33	0.33	23	0.0002
Benzo(b)fluoranthene	0.62	2.9	220	0.0048
Benzo(k)fluoranthene	6.2	29	120	0.0025
Chrysene	62	290	76	0.0016
Dibenzo(a,h)anthracene	0.33	0.33	540	0.0025
Fluoranthene	220	2900	1200	0.15
Fluorene	280	5400	230	0.024
Indeno(1,2,3,cd)pyrene	0.62	2.9	9.2	0.0037



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COMPOUND	SOIL_SSn mg/kg	SOIL_SSI mg/kg	SOIL_SSGW mg/kg	GW_SS mg/L
Methylnaphthalen, 2-	22	170	1.7	0.00062
Naphthalene	6.2	43	1.5	0.01
Phenanthrene	2100	43000	660	0.18
Pyrene	230	5600	1100	0.018
SEMIVOLATILES				
Aniline	2.4	17	0.065	0.012
Biphenyl, 1,1-	230	230	190	0.03
Bis(2-chloroethyl)ether	0.33	1.1	0.33	0.0057
Bis(2-chloroisopropyl)ether	4.9	17	0.8	0.0057
Bis(2-ethyl-hexyl)phthalate	35	170	79	0.006
Butyl benzyl phthalate	220	220	220	0.73
Chloroaniline, p-	16	170	1.5	0.02
Chloronaphthalene, 2-	500	8300	500	0.049
Chlorophenol, 2-	15	140	1.4	0.01
Dibenzofuran	29	150	24	0.01
Dichlorobenzidine, 3,3-	0.97	4.2	1.8	0.02
Dichlorophenol, 2,4-	16	200	12	0.011
Diethylphthalate	670	670	360	2.9
Dimethyl phthalate	1500	1500	1500	37
Dimethylphenol, 2,4-	93	1100	20	0.073
Dinitrobenzene, 1,3-	0.45	5	0.25	0.01
Dinitrophenol, 2,4-	7.1	69	1.7	0.05
Dinitrotoluene, 2,4-	8.9	98	1	0.01
Dinitrotoluene, 2,6-	4.3	46	0.39	0.01
Di-n-octyl phthalate	240	3500	10000	0.02
Hexachlorobenzene	0.34	2	9.6	0.001
Hexachlorobutadiene	0.82	8.6	5.5	0.00073
Hexachlorocyclopentadiene	1.4	9.4	1200	0.05
Isophrone	340	1100	0.56	0.07
Nitroaniline, 2-	1.7	1.7	1.7	0.05
Nitroaniline, 3-	13	140	1.7	0.05
Nitroaniline, 4-	10	100	1.7	0.05
Nitrobenzene	2.2	25	0.33	0.0019
Nitrophenol, 4-	32	330	2.6	0.05
Nitrosodi-n-propylamine, n-	0.33	0.33	0.33	0.01
N-nitrosodiphenylamine	90	400	2.1	0.014
Pentachlorophenol	2.8	9.7	1.7	0.001
Phenol	1300	15000	11	0.18
Tetrachlorobenzene, 1,2,4,5-	1.2	12	6.9	0.0011
Tetrachlorophenol, 2,3,4,6-	140	1400	31	0.11
Trichlorobenzene, 1,2,4-	66	1200	14	0.07
Trichlorophenol, 2,4,5-	530	6600	320	0.37
Trichlorophenol, 2,4,6-	40	170	1.3	0.01
PESTICIDES / PCBs				
Aldrin	0.028	0.13	11	0.0019



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BHC, alpha	0.082	0.44	0.0064	0.00003
BHC, beta	0.29	1.6	0.016	0.00006
BHC, gamma	0.39	2	0.033	0.0002
Chlordane	1.6	10	12	0.002
DDD	2.4	16	1.5	0.00028
DDE	1.7	11	2	0.0002
DDT	1.7	12	24	0.0003
Dieldrin	0.03	0.15	7.6	0.0025
Dinoseb	4.7	54	0.14	0.007
Endosulfan	34	450	54	0.022
Endrin	1.8	25	2.6	0.002
Heptachlor	0.016	0.035	0.5	0.0004
Heptachlor Epoxide	0.053	0.26	2	0.0002
Methoxychlor	30	430	380	0.04
Polychlorinated biphenyls	0.11	0.9	19	0.0005
Toxaphene	0.44	2.2	34	0.003
VOLATILES				
Acetone	170	1400	1.5	0.1
Benzene	1.5	3.1	0.051	0.005
Bromodichloromethane	1.8	4.2	0.92	0.1
Bromoform	48	180	1.8	0.1
Bromomethane	0.43	3	0.04	0.01
Carbon disulfide	36	250	11	0.1
Carbon tetrachloride	0.18	1.1	0.11	0.005
Chlorobenzene	17	120	3	0.1
Chlorodibromomethane	2.2	5.4	1	0.1
Chloroethane (Ethylchloride)	4.1	8.2	0.035	0.01
Chloroform	0.044	0.3	0.9	0.1
Chloromethane	3.5	7.3	0.1	0.01
Dibromo-3-chloropropane,1,2-	0.18	1.6	0.01	0.0002
Dichlorobenzene, 1,2-	99	380	29	0.6
Dichlorobenzene, 1,3-	2.1	18	2.1	0.01
Dichlorobenzene, 1,4-	6.7	16	5.7	0.075
Dichloroethane, 1,1-	66	470	7.5	0.081
Dichloroethane, 1,2-	0.82	1.8	0.035	0.005
Dichloroethene, 1,1-	13	91	0.085	0.007
Dichloroethene, cis, 1,2-	4.8	34	0.49	0.07
Dichloroethene, trans, 1,2-	6.9	48	0.77	0.1
Dichloropropane, 1,2-	0.69	1.8	0.042	0.005
Dichloropropene, 1,3-	3.1	10	0.04	0.005
Ethylbenzene	160	230	19	0.7
Hexachloroethane	5.2	68	2.2	0.01
Isobutyl alcohol	730	6200	30	1.1
Methyl ethyl ketone	590	4400	5	0.19
Methyl isobutyl ketone	450	3100	6.4	0.2
Methylene Chloride	19	44	0.017	0.005



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MTBE	650	4700	0.077	0.02
Styrene	500	1700	11	0.1
Tetrachloroethane, 1,1,1,2-	2.7	5.9	0.046	0.005
Tetrachloroethane, 1,1,2,2-	0.81	2	0.006	0.0005
Tetrachloroethylene	8.3	35	0.18	0.005
Toluene	68	470	20	1
Trichloroethane, 1,1,1,-	82	700	4	0.2
Trichloroethane, 1,1,2,-	1.9	4.3	0.058	0.005
Trichloroethene	0.1	0.21	0.073	0.005
Trichlorofluoromethane	38	260	37	0.13
Vinyl chloride	0.24	0.79	0.013	0.002
Xylenes (mixed)	18	120	150	10
ANIONS				
Cyanide (free)	150	3600	400	0.2
Nitrate	13000	330000	20000	10
Nitrite	780	20000	2000	1

Red denotes lowest RECAP soil detection limit.