

Maximum Soil Contaminant Concentration Levels (MSCCs)

(See <http://portal.ncdenr.org/web/wm/ust/guidance#OTHCAB> for current version)

Constituent	CAS#	Soil-to-Water Maximum Contaminant Concentration (Soil mg/kg)	Residential Soil Cleanup Levels (mg/kg)	Industrial/ Commercial Soil Cleanup Levels (mg/kg)
Acenaphthene	83-32-9	8.2	940	24000
Acenaphthylene	208-96-8	11	469	12264
Acetone	67-64-1	24	14000	360000
Aliphatics, C5-C8	N/A	68	939	24528
Aliphatics, C9-C18	N/A	540	1500	40000
Aliphatics, C19-C36	N/A	#	31000	810000
tert-Amyl alcohol (TAA)	75-85-4	0.1		
tert-Amyl methyl ether (TAME)	994-05-8	0.52	1960	51100
Anthracene	120-12-7	940	4600	122000
Aromatics, C9-C22	N/A	31	469	12264
Barium	7440-39-3	290	3100	81000
Benzene	71-43-2	0.0056	18	164
Benzo(a)anthracene (benz(a)anthracene)	56-55-3	0.35	0.88	8
Benzo(b)fluoranthene	205-99-2	1.2	0.88	8
Benzo(g,h,i)perylene	191-24-2	6400	469	12264
Benzo(k)fluoranthene	207-08-9	12	9	78
Benzoic acid	65-85-0	120	62571	1635200
Benzo(a)pyrene	50-32-8	0.096	0.088	0.78
Benzyl alcohol	100-51-6	2	1000	40000
Bis(chloroethyl)ether (BCEE)	111-44-4	0.00016	0.58	5.2
Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	6.6	46	410
Bromoform (tribromomethane)	75-25-2	0.026	81	724
Bromomethane (methylbromide)	74-83-9	0.4	22	570
Butanol	71-36-3	2	1000	40000
tert-Butyl alcohol (TBA) (tert-butanol)	75-65-0	0.04	213	1910
n-Butylbenzene	104-51-8	4.3	626	16350
sec-Butylbenzene	135-98-8	3.3	626	16350
tert-Butylbenzene	98-06-6	3.4	626	16350
tert-Butyl formate (TBF)	762-75-4	0.1		
Carbon disulfide	75-15-0	4.3	1564	40880
Chlorobenzene	108-90-7	0.44	312	8176
Chloroform (trichloromethane)	67-66-3	0.37	20	180
Chloromethane (methyl chloride)	74-87-3	0.02	49	440
4-Chlorotoluene (p-chlorotoluene)	106-43-4	0.1	1000	20000
Chromium (Total)	7440-50-8	5.4	47	1226

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Chromium III	16065-83-1	4200	23460	613200
Chromium VI	18540-29-9	5.4	47	1226
Chrysene	218-01-9	39	88	780
Dibenz(a,h)anthracene	53-70-3	0.17	0.088	0.78
Dibenzofuran	132-64-9	4.7	62	1635
Dibromochloromethane	124-48-1	0.0021	7	68
1,2-Dichlorobenzene (orthodichlorobenzene)	95-50-1	0.23	1400	36000
1,3-Dichlorobenzene (metadichlorobenzene)	541-73-1	7.6	460	12000
1,4-Dichlorobenzene (paradichlorobenzene)	106-46-7	0.099	110	1000
Dichlorodifluoromethane (Freon-12; halon)	75-71-8	210	3129	81760
1,1-Dichloroethane	75-34-3	0.032	110	1000
1,2-Dichloroethane (ethylene dichloride)	107-06-2	0.0019	7	63
1,2-Dichloroethene (cis)	156-59-2	0.35	156	4000
1,2-Dichloroethene (trans)	156-60-5	0.54	310	8200
1,2-Dichloroethene (cis and trans)	540-59-0	0.35	100	3000
1,1-Dichloroethylene (vinylidene chloride)	75-35-4	0.045	780	20000
2,4-Dichlorophenol	120-83-2	0.0034	40	1000
1,2-Dichloropropane	78-87-5	0.003	10	92
1,3-Dichloropropene (cis and trans isomers)	542-75-6	0.001	5	57
2,4-Dimethylphenol (2,4-xyleneol)	105-67-9	0.64	312	8176
Ethanol	64-17-5	16	7000	200000
Ethyl acetate	141-78-6	12	14078	367920
Ethylbenzene	100-41-4	4.9	1560	40000
Ethylene dibromide (1,2-dibromoethane)	106-93-4	0.000098	0.31	2.8
Ethylene glycol	107-21-1	40	31290	817600
Ethyl tert-butyl ether	63-79-23	0.2		
Fluoranthene	206-44-0	290	620	16400
Fluorene	86-73-7	47	620	16400
Hexachlorobutadiene	87-68-3	0.23	4.6	73
2-Hexanone (methyl n-butyl ketone, MBK)	591-78-6	0.1	70	2000
Indeno(1,2,3-cd)pyrene	193-39-5	3.4	0.88	8
Isopropyl benzene (cumene)	98-82-8	1.7	1564	40880
Isopropyl ether (diisopropyl ether)	108-20-3	0.37	156	4088
4-Isopropyltoluene (p-isopropyltoluene, p-cymene)	99-87-6	0.12	100	4000
Lead	7439-92-1	270	400	400
Methanol	67561	16	7821	204400
Methyl ethyl ketone (2-butanone; MEK)	78-93-3	16	9385	245280
Methyl tert-butyl ether (MTBE)	1634-04-4	0.091	350	3100
Methylene chloride	75-09-2	0.02	85	763

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Methyl isobutyl ketone (MIBK)	108-10-1	0.4	1200	32000
1-Methylnaphthalene	90-12-0	0.004	20	100
2-Methylnaphthalene	91-57-6	3.6	63	1635
2-Methylphenol	95-48-7	1	700	20000
Naphthalene	91-20-3	0.16	313	8176
Pentachlorophenol	87-86-5	0.0065	5	48
Phenanthrene	85-01-8	56	469	12264
Phenol	108-95-2	0.17	4693	122600
n-Propylbenzene	103-65-1	1.7	626	16350
Pyrene	129-00-0	270	469	12264
Silver	7440-22-4	0.25	78.2	2044
Styrene (ethenylbenzene)	100-42-5	1.5	3128	81760
1,1,1,2-Tetrachloroethane	360-20-6	0.004	20	200
1,1,2,2-Tetrachloroethane	79-34-5	0.001	0.78	20
Tetrachloroethylene (perchloroethylene; PCE)	127-18-4	0.0074	1.1	10
Toluene	108-88-3	4.3	1200	32000
1,2,4-Trichlorobenzene	120-82-1	2.6	156	4088
1,1,1-Trichloroethane (methyl chloroform)	71-55-6	1.6	31000	810000
1,1,2-Trichloroethane	79-00-5	0.002	10	100
Trichloroethylene (TCE)	79-01-6	0.019	4.6	120
Trichlorofluoromethane	75-69-4	29	4692	122640
1,2,4-Trimethylbenzene	95-63-6	8.5	782	20440
1,3,5-Trimethylbenzene	108-67-8	8.3	782	20440
2,4,6-Trichlorophenol	88-06-2	0.01	10	400
Vinyl acetate	108-05-4	0.36	10000	400000
Vinyl chloride	75-01-4	0.00018	0.46	4.1
Xylenes (o-, m-, and p-; mixed)	1330-20-7	4.6	3129	81760
# Health based level > 100%				Rev. 4/16/2012
## considered immobile				