Table I: Generic numerical direct-contact soil standards (residential land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Acenaphthene	83-32-9	6,900	NA	NA	6,900
Acetaldehyde	75-07-0	220	260	110,000	220
Acetone	67-64-1	130,000	NA	110,000	110,000
Acetonitrile	75-05-8	2,200	NA	130,000	2,200
Acetophenone	98-86-2	16,000	NA	2,500	2,500
Acetylaminofluorene, 2-	53-96-3	NA	2.6	NA	2.6
Acrolein	107-02-8	0.39	NA	23,000	0.39
Acrylamide	79-06-1	240	6.0	NA	6.0
Acrylic Acid	79-10-7	59,000	NA	NA	59,000
Acrylonitrile	107-13-1	43	5.7	11,000	5.7
Aldicarb	116-06-3	120	NA	NA	120
Aldicarb Sulfone	1646-88-4	120	NA	NA	120
Aldrin	309-00-2	3.7	0.57	NA	0.57
Allyl Alcohol	107-18-6	610	NA	NA	610
Allyl Chloride	107-05-1	4.5	17	1,400	4.5
Aluminum Phosphide	20859-73-8	63	NA	NA	63
Aminobiphenyl, 4-	92-67-1	NA	0.46	NA	0.46
Ammonium Sulfamate	7773-06-0	31,000	NA	NA	31,000
Aniline	62-53-3	860	1,700	NA	860
Anthracene	120-12-7	34,000	NA	NA	34,000
Antimony (metallic)	7440-36-0	63	NA	NA	63
Antimony Trioxide	1309-64-4	150,000	NA	NA	150,000
Aroclor 1016	12674-11-2	7.9	130	NA	7.9
Aroclor 1221	11104-28-2	NA	3.1	760	3.1
Aroclor 1232	11141-16-5	NA	3.1	73	3.1
Aroclor 1242	53469-21-9	NA	4.4	NA	4.4
Aroclor 1248	12672-29-6	NA	4.4	NA	4.4
Aroclor 1254	11097-69-1	2.2	4.4	NA	2.2
Aroclor 1260	11096-82-5	NA	4.4	NA	4.4
Arsenic, Inorganic	7440-38-2	68	12	NA	12
Auramine	492-80-8	NA	11	NA	11
Baygon	114-26-1	490	NA	NA	490
Benomyl	17804-35-2	6,100	NA	NA	6,100
Benz[a]anthracene	56-55-3	NA	12	NA	12
Benzene	71-43-2	200	26	1,800	26
Benzenethiol	108-98-5	160	NA	1,300	160
Benzidine	92-87-5	370	0.042	NA	0.042
Benzo[a]pyrene	50-32-8	NA	1.2	NA	1.2
Benzo[b]fluoranthene	205-99-2	NA	12	NA	12
Benzo[k]fluoranthene	207-08-9	NA	120	NA	120
Benzoic Acid	65-85-0	490,000	NA	NA	490,000
Benzotrichloride	98-07-7	NA	1.0	320	1.0
Benzyl Chloride	100-44-7	58	24	1,500	24
Beryllium and compounds	7440-41-7	310	19,000	NA	310
Biphenyl, 1,1'-	92-52-4	78,000	1,600	NA	1,600
Bis(2-chloro-1-methylethyl) ether	108-60-1	6,300	100	1,000	100
Bis(2-chloroethoxy)methane	111-91-1	370	NA	NA	370
Bis(2-chloroethyl)ether	111-44-4	NA	4.9	5,000	4.9
Bis(2-ethylhexyl)phthalate	117-81-7	2,400	690	NA	690
Bis(chloromethyl)ether	542-88-1	NA	0.0019	4,200	0.0019
Bromodichloromethane	75-27-4	3,100	6.8	930	6.8
Bromoform	75-25-2	2,400	1,200	NA	1,200
Bromomethane	74-83-9	18	NA	3,600	18
Butadiene, 1,3-	106-99-0	4.9	1.3	670	1.3

Table I: Generic numerical direct-contact soil standards (residential land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Butanol, N-	71-36-3	12,000	NA	NA	12,000
Butyl Benzyl Phthlate	85-68-7	24,000	5,100	NA	5,100
Cacodylic Acid	75-60-5	2,400	NA	NA	2,400
Cadmium	7440-43-9	140	26,000	NA	140
Calcium Cyanide	592-01-8	160	NA	NA	160
Captan	133-06-2	16,000	4,200	NA	4,200
Carbaryl	63-25-2	12,000	NA	NA	12,000
Carbofuran	1563-66-2	610	NA	NA	610
Carbon Disulfide	75-15-0	2,000	NA	740	740
Carbon Tetrachloride	56-23-5	250	15	460	15
Carbosulfan	55285-14-8	1,200	NA	NA	1,200
Chloramben	133-90-4	1,800	NA	NA	1,800
Chlordane	57-74-9	70	32	NA	32
Chlordecone (Kepone)	143-50-0	37	1.0	NA	1.0
Chlorine	7782-50-5	15,000	NA	NA	15,000
Chloro-1,3-butadiene, 2-	126-99-8	60	0.24	750	0.24
Chloro-2-methylaniline HCl, 4-	3165-93-3	NA	21	NA	21
Chloroacetic Acid	79-11-8	240	NA	NA	240
Chloroacetophenone, 2-	532-27-4	7,400	NA	NA	7,400
Chloroaniline, p-	106-47-8	490	49	NA	49
Chlorobenzene	108-90-7	700	NA	760	700
Chlorobenzilate	510-15-6	2,400	88	NA	88
Chloroform	67-66-3	500	7.4	2,500	7.4
Chloromethane	74-87-3	300	NA	1,300	300
Chloromethyl Methyl Ether	107-30-2	NA	0.46	26,000	0.46
Chloronaphthalene, Beta-	91-58-7	13,000	NA	NA	13,000
Chlorophenol, 2-	95-57-8	780	NA	22,000	780
Chlorpyrifos	2921-88-2	120	NA	NA	120
Chromium(III), Insoluble Salts	16065-83-1	230,000	NA	NA	230,000
Chromium(VI)	18540-29-9	470	24	NA	24
Chromium, Total	7440-47-3	NA	NA	NA	NA
Chrysene	218-01-9	NA	1,200	NA	1,200
Copper	7440-50-8	6,300	NA	NA	6,300
Copper Cyanide	544-92-3	780	NA	NA	780
Cresol, m-	108-39-4	6,100	NA	NA	6,100
Cresol, o-	95-48-7	6,100	NA	NA	6,100
Cresol, p-	106-44-5	12,000	NA	NA	12,000
Cresol, p-chloro-m-	59-50-7	12,000	NA	NA	12,000
Cresols	1319-77-3	12,000	NA	NA	12,000
Crotonaldehyde, trans-	123-73-9	160	6.7	17,000	6.7
Cumene	98-82-8	4,800	NA	270	270
Cyanide (CN-)	57-12-5	50	NA	~~50~~ 1,000,000	~~1,000,000~~ 50
Cyanogen	460-19-5	160	NA	NA	160
Cyanogen Bromide	506-68-3	14,000	NA	NA	14,000
Cyanogen Chloride	506-77-4	7,800	NA	NA	7,800
Cyclohexane	110-82-7	18,000	NA	120	120
Cyclohexanone	108-94-1	610,000	NA	NA	610,000
Dalapon	75-99-0	3,700	NA	NA	3,700
DDD	72-54-8	NA	40	NA	40
DDE, p,p'-	72-55-9	NA	29	NA	29
DDT	50-29-3	72	34	NA	34
Diallate	2303-16-4	NA	160	NA	160
Diazinon	333-41-5	86	NA	NA	86
Dibenz[a,h]anthracene	53-70-3	NA	1.2	NA	1.2

Table I: Generic numerical direct-contact soil standards (residential land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Dibromo-3-chloropropane, 1,2-	96-12-8	11	0.34	980	0.34
Dibromochloromethane	124-48-1	2,400	17	800	17
Dibromoethane, 1,2-	106-93-4	69	0.83	1300	0.83
Dibromomethane (Methylene Bromide)	74-95-3	1,600	NA	2,800	1,600
Dibutyl Phthalate	84-74-2	12,000	NA	NA	12,000
Dicamba	1918-00-9	3,700	NA	NA	3,700
Dichloro-2-butene, 1,4-	764-41-0	NA	0.17	520	0.17
Dichlorobenzene, 1,2-	95-50-1	4,500	NA	380	380
Dichlorobenzene, 1,4-	106-46-7	7,500	61	NA	61
Dichlorobenzidine, 3,3'-	91-94-1	NA	22	NA	22
Dichlorodifluoromethane	75-71-8	31,000	NA	850	850
Dichloroethane, 1,1-	75-34-3	31,000	83	1,700	83
Dichloroethane, 1,2-	107-06-2	90	11	3,000	11
Dichloroethylene, 1,1-	75-35-4	360	NA	1,200	360
Dichloroethylene, 1,2-trans-	156-60-5	370	NA	1,700	370
Dichlorophenol, 2,4-	120-83-2	370	NA	NA	370
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	1,400	NA	NA	1,400
Dichloropropane, 1,2-	78-87-5	43	23	1,400	23
Dichloropropane, 1,3-	142-28-9	3,100	NA	1,500	1,500
Dichloropropene, 1,3-	542-75-6	190	40	1,600	40
Dichlorvos	62-73-7	61	33	NA	33
Dieldrin	60-57-1	6.1	0.61	NA	0.61
Diethanolamine	111-42-2	240	NA	NA	240
Diethyl Phthalate	84-66-2	98,000	NA	NA	98,000
Diethylstilbestrol	56-53-1	NA	0.028	NA	0.028
Dihydrosafrole	94-58-6	NA	6.1	NA	6.1
Dimethoate	60-51-5	24	NA	NA	24
Dimethoxybenzidine, 3,3'-	119-90-4	NA	0.88	NA	0.88
Dimethylamino azobenzene [p-]	60-11-7	NA	2.1	NA	2.1
Dimethylaniline, N,N-	121-69-7	310	NA	830	310
Dimethylbenz(a)anthracene, 7,12-	57-97-6	NA	0.036	NA	0.036
Dimethylbenzidine, 3,3'-	119-93-7	NA	0.88	NA	0.88
Dimethylformamide	68-12-2	12,000	NA	NA	12,000
Dimethylhydrazine, 1,2-	540-73-8	NA	0.018	NA	0.018
Dimethylphenol, 2,4-	105-67-9	2,400	NA	NA	2,400
Dinitrobenzene, 1,2-	528-29-0	12	NA	NA	12
Dinitrobenzene, 1,3-	99-65-0	12	NA	NA	12
Dinitrobenzene, 1,4-	100-25-4	12	NA	NA	12
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	240	NA	NA	240
Dinitrophenol, 2,4-	51-28-5	240	NA	NA	240
Dinitrotoluene Mixture, 2,4/2,6-	25321-14-6	NA	14	NA	14
Dinitrotoluene, 2,4-	121-14-2	240	31	NA	31
Dinitrotoluene, 2,6-	606-20-2	NA	6.5	NA	6.5
Dinoseb	88-85-7	120	NA	NA	120
Dioxane, 1,4-	123-91-1	3,700	97	NA	97
Diphenylhydrazine, 1,2-	122-66-7	NA	12	NA	12
Diquat	85-00-7	270	NA	NA	270
Disodium phosphate	7558-79-4	1,000,000	NA	NA	1,000,000
Disulfoton	298-04-4	4.9	NA	NA	4.9
Diuron	330-54-1	240	NA	NA	240
Endosulfan	115-29-7	730	NA	NA	730
Endothall	145-73-3	2,400	NA	NA	2,400
Endrin	72-20-8	37	NA	NA	37
Epichlorohydrin	106-89-8	50	570	11,000	50

Table I: Generic numerical direct-contact soil standards (residential land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Epoxybutane, 1,2-	106-88-7	430	NA	15,000	430
Ethion	563-12-2	61	NA	NA	61
Ethoxyethanol, 2-	110-80-5	11,000	NA	NA	11,000
Ethyl Acetate	141-78-6	1,700	NA	11,000	1,700
Ethyl Acrylate	140-88-5	NA	270	2,500	270
Ethyl Chloride (Chloroethane)	75-00-3	21,000	NA	2,100	2,100
Ethyl Ether	60-29-7	31,000	NA	10,000	10,000
Ethyl Methacrylate	97-63-2	3,600	NA	1,100	1,100
Ethylbenzene	100-41-4	7,900	130	480	130
Ethylene Diamine	107-15-3	11,000	NA	NA	11,000
Ethylene Glycol	107-21-1	240,000	NA	NA	240,000
Ethylene Oxide	75-21-8	510	4.1	120,000	4.1
Ethylene Thiourea	96-45-7	9.8	220	NA	9.8
Ethyleneimine	151-56-4	NA	0.053	150,000	0.053
Fluoranthene	206-44-0	4,600	NA	NA	4,600
Fluorene	86-73-7	4,600	NA	NA	4,600
Fluorine (Soluble Fluoride)	7782-41-4	9,400	NA	NA	9,400
Formaldehyde	50-00-0	24,000	1,000,000	NA	24,000
Formic Acid	64-18-6	110,000	NA	NA	110,000
Furan	110-00-9	160	NA	6,200	160
Furfural	98-01-1	370	NA	NA	370
Glycidyl	765-34-4	49	NA	NA	49
Guthion	86-50-0	370	NA	NA	370
Heptachlor	76-44-8	61	2.2	NA	2.2
Heptachlor Epoxide	1024-57-3	1.6	1.1	NA	1.1
Hexachlorobenzene	118-74-1	14	6.1	NA	6.1
Hexachlorobutadiene	87-68-3	120	120	NA	120
Hexachlorocyclohexane, Alpha-	319-84-6	980	1.5	NA	1.5
Hexachlorocyclohexane, Beta-	319-85-7	NA	5.4	NA	5.4
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	42	10	NA	10
Hexachlorocyclohexane, Technical	608-73-1	NA	5.4	NA	5.4
Hexachlorocyclopentadiene	77-47-4	730	NA	NA	730
Hexachloroethane	67-72-1	86	240	NA	86
Hexachlorophene	70-30-4	37	NA	NA	37
Hexamethylene Diisocyanate, 1,6-	822-06-0	8.5	NA	5,200	8.5
Hexamethylphosphoramide	680-31-9	49	NA	NA	49
Hexane, N-	110-54-3	1,400	NA	140	140
Hexanedioic Acid	124-04-9	240,000	NA	NA	240,000
Hydrazine	302-01-2	22,000	4.3	NA	4.3
Hydrogen Chloride	7647-01-0	1,000,000	NA	NA	1,000,000
Hydrogen Cyanide	74-90-8	52	NA	1,000,000	52
Hydrogen Fluoride	7664-39-3	6,300	NA	NA	6,300
Hydrogen Sulfide	7783-06-4	1,000,000	NA	NA	1,000,000
Hydroquinone	123-31-9	4,900	160	NA	160
Indeno[1,2,3-cd]pyrene	193-39-5	NA	12	NA	12
Isobutyl Alcohol	78-83-1	37,000	NA	NA	37,000
Isophorone	78-59-1	24,000	10,000	NA	10,000
Kerb	23950-58-5	9,200	NA	NA	9,200
Lead acetate	301-04-2	NA	35	NA	35
Lead and Compounds *	7439-92-1	NA	NA	NA	400
Lead subacetate	1335-32-6	NA	260	NA	260
Malathion	121-75-5	2,400	NA	NA	2,400
Maleic Anhydride	108-31-6	12,000	NA	NA	12,000
Maleic Hydrazide	123-33-1	61,000	NA	NA	61,000

Table I: Generic numerical direct-contact soil standards (residential land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Malononitrile	109-77-3	12	NA	NA	12
Mercury and Compounds	7439-97-6	9.7	NA	3.1	3.1
Methacrylonitrile	126-98-7	15	NA	4,600	15
Methanol	67-56-1	240,000	NA	NA	240,000
Methomyl	16752-77-5	3,100	NA	NA	3,100
Methoxychlor	72-43-5	610	NA	NA	610
Methyl Ethyl Ketone (2-Butanone)	78-93-3	48,000	NA	28,000	28,000
Methyl Hydrazine	60-34-4	120	NA	NA	120
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	11,000	NA	3,400	3,400
Methyl Isocyanate	624-83-9	12	NA	17,000	12
Methyl Methacrylate	80-62-6	12,000	NA	2,400	2,400
Methyl Parathion	298-00-0	31	NA	NA	31
Methyl tert-Butyl Ether (MTBE)	1634-04-4	41,000	1,100	8,900	1,100
Methyl-5-Nitroaniline, 2-	99-55-8	NA	1,100	NA	1,100
Methylaniline Hydrochloride, 2-	636-21-5	NA	75	NA	75
Methylcholanthrene, 3-	56-49-5	NA	0.44	NA	0.44
Methylene Chloride	75-09-2	750	1,200	3,300	750
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	240	97	NA	97
Methylenebisbenzenamine, 4,4'-	101-77-9	1,000,000	6.1	NA	6.1
Methylenediphenyl Diisocyanate	101-68-8	4,900	NA	NA	4,900
Methylnaphthalene, 1-	90-12-0	8,000	310	NA	310
Methylnaphthalene, 2-	91-57-6	460	NA	NA	460
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	NA	1.2	NA	1.2
Naled	300-76-5	240	NA	NA	240
Naphthalene	91-20-3	330	90	NA	90
Naphthylamine, 2-	91-59-8	NA	5.4	NA	5.4
Nickel Carbonyl	13463-39-3	1,600	NA	NA	1,600
Nickel Soluble Salts	7440-02-0	3,100	180,000	NA	3,100
Nitroaniline, 4-	100-01-6	490	490	NA	490
Nitrobenzene	98-95-3	270	120	3,000	120
Nitroglycerin	55-63-0	12	570	NA	12
Nitropropane, 2-	79-46-9	740	0.32	4,900	0.32
Nitrosodiethanolamine, N-	1116-54-7	NA	3.5	NA	3.5
Nitrosodiethylamine, N-	55-18-5	NA	0.065	NA	0.065
Nitrosodimethylamine, N-	62-75-9	1.0	0.19	NA	0.19
Nitroso-di-N-butylamine, N-	924-16-3	NA	1.8	NA	1.8
Nitroso-di-N-propylamine, N-	621-64-7	NA	1.4	NA	1.4
Nitrosodiphenylamine, N-	86-30-6	NA	2,000	NA	2,000
Nitrosomorpholine [N-]	59-89-2	NA	1.4	NA	1.4
Nitroso-N-ethylurea, N-	759-73-9	NA	0.36	NA	0.36
Nitroso-N-methylurea, N-	684-93-5	NA	0.081	NA	0.081
Nitrosopiperidine [N-]	100-75-4	NA	1.0	NA	1.0
Nitrosopyrrolidine, N-	930-55-2	NA	4.6	NA	4.6
Nitrotoluene, o-	88-72-2	140	58	1,500	58
Nitrotoluene, p-	99-99-0	490	610	NA	490
Octamethylpyrophosphoramide	152-16-9	240	NA	NA	240
Octyl Phthalate, di-N-	117-84-0	1,200	NA	NA	1,200
Oxamyl	23135-22-0	3,100	NA	NA	3,100
Parathion	56-38-2	730	NA	NA	730
Pentachlorobenzene	608-93-5	98	NA	NA	98
Pentachloroethane	76-01-7	NA	110	NA	110
Pentachloronitrobenzene	82-68-8	370	37	NA	37
Pentachlorophenol	87-86-5	460	18	NA	18
Phenacetin	62-44-2	NA	4,400	NA	4,400

Table I: Generic numerical direct-contact soil standards (residential land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Phenol	108-95-2	37,000	NA	NA	37,000
Phenylenediamine, p-	106-50-3	23,000	NA	NA	23,000
Phenylmercuric Acetate	62-38-4	9.8	NA	NA	9.8
Phorate	298-02-2	24	NA	NA	24
Phosgene	75-44-5	0.83	NA	1,600	0.83
Phosphine	7803-51-2	47	NA	NA	47
Phosphoric Acid	7664-38-2	1,000,000	NA	NA	1,000,000
~~Phosphorus, White~~	~~7723-14-0~~	~~3.1~~	~~NA~~	~~NA~~	~~3.1~~
Phthalic Anhydride	85-44-9	240,000	NA	NA	240,000
Polychlorinated Biphenyls, total	1336-36-3	NA	4.4	NA	4.4
Potassium Cyanide	151-50-8	310	NA	NA	310
Potassium Silver Cyanide	506-61-6	780	NA	NA	780
Propargite	2312-35-8	2,400	NA	NA	2,400
Propargyl Alcohol	107-19-7	240	NA	NA	240
Propham	122-42-9	2,400	NA	NA	2,400
Propionaldehyde	123-38-6	200	NA	33,000	200
Propylene Oxide	75-56-9	870	41	78,000	41
Pyrene	129-00-0	3,400	NA	NA	3,400
Pyridine	110-86-1	160	NA	530,000	160
Quinoline	91-22-5	NA	3.2	NA	3.2
Safrole	94-59-7	NA	44	NA	44
Selenious Acid	7783-00-8	780	NA	NA	780
Selenium	7782-49-2	780	NA	NA	780
Silver	7440-22-4	780	NA	NA	780
Silver Cyanide	506-64-9	16,000	NA	NA	16,000
Sodium Azide	26628-22-8	630	NA	NA	630
Sodium Cyanide	143-33-9	160	NA	NA	160
Sodium Fluoride	7681-49-4	7,800	NA	NA	7,800
Sodium Fluoroacetate	62-74-8	2.4	NA	NA	2.4
Sodium tripolyphosphate	7758-29-4	1,000,000	NA	NA	1,000,000
Strychnine	57-24-9	37	NA	NA	37
Styrene	100-42-5	14,000	NA	870	870
Sulfuric Acid	7664-93-9	250,000	NA	NA	250,000
TCDD, 2,3,7,8-	1746-01-6	0.00010	0.000090	NA	0.000090
Tetrachlorobenzene, 1,2,4,5-	95-94-3	37	NA	NA	37
Tetrachloroethane, 1,1,1,2-	630-20-6	4,700	46	680	46
Tetrachloroethane, 1,1,2,2-	79-34-5	3,100	14	1,900	14
Tetrachloroethylene	127-18-4	210	540	170	170
Tetrachlorophenol, 2,3,4,6-	58-90-2	3,700	NA	NA	3,700
Tetraethyl Dithiopyrophosphate	3689-24-5	61	NA	NA	61
Tetraethyl Lead	78-00-2	0.012	NA	NA	0.012
Tetrahydrofuran	109-99-9	42,000	NA	170,000	42,000
Thallium (Soluble Salts)	7440-28-0	NA	NA	NA	NA
Thiofanox	39196-18-4	37	NA	NA	37
Thiophanate, Methyl	23564-05-8	9,800	NA	NA	9,800
Thiram	137-26-8	610	NA	NA	610
Titanium Tetrachloride	7550-45-0	200,000	NA	NA	200,000
Toluene	108-88-3	10,000	NA	820	820
Toluidine, p-	106-49-0	NA	320	NA	320
Toxaphene	8001-35-2	NA	8.8	NA	8.8
Triallate	2303-17-5	1,600	NA	NA	1,600
Trichlorobenzene, 1,2,4-	120-82-1	150	440	400	150
Trichloroethane, 1,1,1-	71-55-6	22,000	NA	640	640
Trichloroethane, 1,1,2-	79-00-5	630	26	2,200	26

Table I: Generic numerical direct-contact soil standards (residential land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Trichloroethylene	79-01-6	11	22	690	11
Trichlorofluoromethane	75-69-4	2,000	NA	1,200	1,200
Trichlorophenol, 2,4,5-	95-95-4	12,000	NA	NA	12,000
Trichlorophenol, 2,4,6-	88-06-2	120	880	NA	120
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	1,200	NA	NA	1,200
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	980	NA	NA	980
Triethylamine	121-44-8	310	NA	28,000	310
Trifluralin	1582-09-8	920	1,300	NA	920
Trimethylbenzene, 1,2,4-	95-63-6	160	NA	220	160
Trinitrobenzene, 1,3,5-	99-35-4	970	NA	NA	970
Trisodium phosphate	7601-54-9	1,000,000	NA	NA	1,000,000
Urethane	51-79-6	NA	9.7	NA	9.7
Vanadium Pentoxide	1314-62-1	1,300	5,600	NA	1,300
Vinyl Acetate	108-05-4	620	NA	2,700	620
Vinyl Bromide	593-60-2	12	2.8	3,400	2.8
Vinyl Chloride	75-01-4	170	1.3	3,900	1.3
Warfarin	81-81-2	37	NA	NA	37
Xylenes	1330-20-7	1,600	NA	260	260
Zinc and Compounds	7440-66-6	47,000	NA	NA	47,000
Zinc Cyanide	557-21-1	7,800	NA	NA	7,800
Zinc Phosphide	1314-84-7	47	NA	NA	47

* = See paragraph (C)(3)(e) of rule 3745-300-08 of the Administrative Code.

Table II: Generic numerical direct-contact soil standards (commercial/industiral land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Acenaphthene	83-32-9	90,000	NA	NA	90,000
Acetaldehyde	75-07-0	930	1,300	110,000	930
Acetone	67-64-1	1,000,000	NA	110,000	110,000
Acetonitrile	75-05-8	9,200	NA	130,000	9,200
Acetophenone	98-86-2	410,000	NA	2,500	2,500
Acetylaminofluorene, 2-	53-96-3	NA	13	NA	13
Acrolein	107-02-8	1.6	NA	23,000	1.6
Acrylamide	79-06-1	3,500	99	NA	99
Acrylic Acid	79-10-7	800,000	NA	NA	800,000
Acrylonitrile	107-13-1	180	32	11,000	32
Aldicarb	116-06-3	1,800	NA	NA	1,800
Aldicarb Sulfone	1646-88-4	1,800	NA	NA	1,800
Aldrin	309-00-2	53	2.9	NA	2.9
Allyl Alcohol	107-18-6	8,800	NA	NA	8,800
Allyl Chloride	107-05-1	19	86	1,400	19
Aluminum Phosphide	20859-73-8	1,600	NA	NA	1,600
Aminobiphenyl, 4-	92-67-1	NA	2.3	NA	2.3
Ammonium Sulfamate	7773-06-0	820,000	NA	NA	820,000
Aniline	62-53-3	12,000	8,700	NA	8,700
Anthracene	120-12-7	450,000	NA	NA	450,000
Antimony (metallic)	7440-36-0	1,600	NA	NA	1,600
Antimony Trioxide	1309-64-4	1,000,000	NA	NA	1,000,000
Aroclor 1016	12674-11-2	100	570	NA	100
Aroclor 1221	11104-28-2	NA	14	760	14
Aroclor 1232	11141-16-5	NA	14	73	14
Aroclor 1242	53469-21-9	NA	20	NA	20
Aroclor 1248	12672-29-6	NA	20	NA	20
Aroclor 1254	11097-69-1	29	20	NA	20
Aroclor 1260	11096-82-5	NA	20	NA	20
Arsenic, Inorganic	7440-38-2	1,200	77	NA	77
Auramine	492-80-8	NA	56	NA	56
Baygon	114-26-1	7,000	NA	NA	7,000
Benomyl	17804-35-2	88,000	NA	NA	88,000
Benz[a]anthracene	56-55-3	NA	58	NA	58
Benzene	71-43-2	1,200	140	1,800	140
Benzenethiol	108-98-5	4,100	NA	1,300	1,300
Benzidine	92-87-5	5,300	0.21	NA	0.21
Benzo[a]pyrene	50-32-8	NA	5.8	NA	5.8
Benzo[b]fluoranthene	205-99-2	NA	58	NA	58
Benzo[k]fluoranthene	207-08-9	NA	580	NA	580
Benzoic Acid	65-85-0	1,000,000	NA	NA	1,000,000
Benzotrichloride	98-07-7	NA	8.8	320	8.8
Benzyl Chloride	100-44-7	290	140	1,500	140
Beryllium and compounds	7440-41-7	7,800	97,000	NA	7,800
Biphenyl, 1,1'-	92-52-4	1,000,000	14,000	NA	14,000
Bis(2-chloro-1-methylethyl) ether	108-60-1	160,000	680	1,000	680
Bis(2-chloroethoxy)methane	111-91-1	5,300	NA	NA	5,300
Bis(2-chloroethyl)ether	111-44-4	NA	30	5,000	30
Bis(2-ethylhexyl)phthalate	117-81-7	35,000	3,500	NA	3,500
Bis(chloromethyl)ether	542-88-1	NA	0.0098	4,200	0.0098
Bromodichloromethane	75-27-4	82,000	35	930	35
Bromoform	75-25-2	35,000	6,200	NA	6,200
Bromomethane	74-83-9	82	NA	3,600	82
Butadiene, 1,3-	106-99-0	21	7.5	670	7.5

Table II: Generic numerical direct-contact soil standards (commercial/industiral land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Butanol, N-	71-36-3	180,000	NA	NA	180,000
Butyl Benzyl Phthlate	85-68-7	350,000	26,000	NA	26,000
Cacodylic Acid	75-60-5	35,000	NA	NA	35,000
Cadmium	7440-43-9	2,600	130,000	NA	2,600
Calcium Cyanide	592-01-8	4,100	NA	NA	4,100
Captan	133-06-2	230,000	21,000	NA	21,000
Carbaryl	63-25-2	180,000	NA	NA	180,000
Carbofuran	1563-66-2	8,800	NA	NA	8,800
Carbon Disulfide	75-15-0	9,400	NA	740	740
Carbon Tetrachloride	56-23-5	1,600	79	460	79
Carbosulfan	55285-14-8	18,000	NA	NA	18,000
Chloramben	133-90-4	26,000	NA	NA	26,000
Chlordane	57-74-9	1,300	210	NA	210
Chlordecone (Kepone)	143-50-0	530	4.9	NA	4.9
Chlorine	7782-50-5	310,000	NA	NA	310,000
Chloro-1,3-butadiene, 2-	126-99-8	250	1.2	750	1.2
Chloro-2-methylaniline HCl, 4-	3165-93-3	NA	110	NA	110
Chloroacetic Acid	79-11-8	3,500	NA	NA	3,500
Chloroacetophenone, 2-	532-27-4	250,000	NA	NA	250,000
Chloroaniline, p-	106-47-8	7,000	250	NA	250
Chlorobenzene	108-90-7	3,600	NA	760	760
Chlorobenzilate	510-15-6	35,000	450	NA	450
Chloroform	67-66-3	2,800	38	2,500	38
Chloromethane	74-87-3	1,300	NA	1,300	1,300
Chloromethyl Methyl Ether	107-30-2	NA	2.4	26,000	2.4
Chloronaphthalene, Beta-	91-58-7	330,000	NA	NA	330,000
Chlorophenol, 2-	95-57-8	20,000	NA	22,000	20,000
Chlorpyrifos	2921-88-2	1,800	NA	NA	1,800
Chromium(III), Insoluble Salts	16065-83-1	1,000,000	NA	NA	1,000,000
Chromium(VI)	18540-29-9	12,000	210	NA	210
Chromium, Total	7440-47-3	NA	NA	NA	NA
Chrysene	218-01-9	NA	5,800	NA	5,800
Copper	7440-50-8	160,000	NA	NA	160,000
Copper Cyanide	544-92-3	20,000	NA	NA	20,000
Cresol, m-	108-39-4	88,000	NA	NA	88,000
Cresol, o-	95-48-7	88,000	NA	NA	88,000
Cresol, p-	106-44-5	180,000	NA	NA	180,000
Cresol, p-chloro-m-	59-50-7	180,000	NA	NA	180,000
Cresols	1319-77-3	180,000	NA	NA	180,000
Crotonaldehyde, trans-	123-73-9	4,100	60	17,000	60
Cumene	98-82-8	27,000	NA	270	270
Cyanide (CN-)	57-12-5	370	NA	~~370~~ 1,000,000	~~1,000,000~~ 370
Cyanogen	460-19-5	4,100	NA	NA	4,100
Cyanogen Bromide	506-68-3	370,000	NA	NA	370,000
Cyanogen Chloride	506-77-4	200,000	NA	NA	200,000
Cyclohexane	110-82-7	74,000	NA	120	120
Cyclohexanone	108-94-1	1,000,000	NA	NA	1,000,000
Dalapon	75-99-0	53,000	NA	NA	53,000
DDD	72-54-8	NA	210	NA	210
DDE, p,p'-	72-55-9	NA	150	NA	150
DDT	50-29-3	1,500	240	NA	240
Diallate	2303-16-4	NA	810	NA	810
Diazinon	333-41-5	1,200	NA	NA	1,200
Dibenz[a,h]anthracene	53-70-3	NA	5.8	NA	5.8

Table II: Generic numerical direct-contact soil standards (commercial/industiral land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Dibromo-3-chloropropane, 1,2-	96-12-8	69	1.7	980	1.7
Dibromochloromethane	124-48-1	35,000	84	800	84
Dibromoethane, 1,2-	106-93-4	900	4.4	1,300	4.4
Dibromomethane (Methylene Bromide)	74-95-3	41,000	NA	2,800	2,800
Dibutyl Phthalate	84-74-2	180,000	NA	NA	180,000
Dicamba	1918-00-9	53,000	NA	NA	53,000
Dichloro-2-butene, 1,4-	764-41-0	NA	0.88	520	0.88
Dichlorobenzene, 1,2-	95-50-1	26,000	NA	380	380
Dichlorobenzene, 1,4-	106-46-7	74,000	310	NA	310
Dichlorobenzidine, 3,3'-	91-94-1	NA	110	NA	110
Dichlorodifluoromethane	75-71-8	820,000	NA	850	850
Dichloroethane, 1,1-	75-34-3	820,000	420	1,700	420
Dichloroethane, 1,2-	107-06-2	380	56	3,000	56
Dichloroethylene, 1,1-	75-35-4	2,700	NA	1,200	1,200
Dichloroethylene, 1,2-trans-	156-60-5	1,700	NA	1,700	1,700
Dichlorophenol, 2,4-	120-83-2	5,300	NA	NA	5,300
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	25,000	NA	NA	25,000
Dichloropropane, 1,2-	78-87-5	180	120	1,400	120
Dichloropropane, 1,3-	142-28-9	82,000	NA	1,500	1,500
Dichloropropene, 1,3-	542-75-6	840	230	1,600	230
Dichlorvos	62-73-7	880	170	NA	170
Dieldrin	60-57-1	88	3.1	NA	3.1
Diethanolamine	111-42-2	3,500	NA	NA	3,500
Diethyl Phthalate	84-66-2	1,000,000	NA	NA	1,000,000
Diethylstilbestrol	56-53-1	NA	0.14	NA	0.14
Dihydrosafrole	94-58-6	NA	31	NA	31
Dimethoate	60-51-5	350	NA	NA	350
Dimethoxybenzidine, 3,3'-	119-90-4	NA	4.5	NA	4.5
Dimethylamino azobenzene [p-]	60-11-7	NA	11	NA	11
Dimethylaniline, N,N-	121-69-7	8,200	NA	830	830
Dimethylbenz(a)anthracene, 7,12-	57-97-6	NA	0.17	NA	0.17
Dimethylbenzidine, 3,3'-	119-93-7	NA	4.5	NA	4.5
Dimethylformamide	68-12-2	180,000	NA	NA	180,000
Dimethylhydrazine, 1,2-	540-73-8	NA	0.090	NA	0.090
Dimethylphenol, 2,4-	105-67-9	35,000	NA	NA	35,000
Dinitrobenzene, 1,2-	528-29-0	180	NA	NA	180
Dinitrobenzene, 1,3-	99-65-0	180	NA	NA	180
Dinitrobenzene, 1,4-	100-25-4	180	NA	NA	180
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	3,500	NA	NA	3,500
Dinitrophenol, 2,4-	51-28-5	3,500	NA	NA	3,500
Dinitrotoluene Mixture, 2,4/2,6-	25321-14-6	NA	73	NA	73
Dinitrotoluene, 2,4-	121-14-2	3,500	160	NA	160
Dinitrotoluene, 2,6-	606-20-2	NA	33	NA	33
Dinoseb	88-85-7	1,800	NA	NA	1,800
Dioxane, 1,4-	123-91-1	53,000	490	NA	490
Diphenylhydrazine, 1,2-	122-66-7	NA	62	NA	62
Diquat	85-00-7	3,900	NA	NA	3,900
Disodium phosphate	7558-79-4	1,000,000	NA	NA	1,000,000
Disulfoton	298-04-4	70	NA	NA	70
Diuron	330-54-1	3,500	NA	NA	3,500
Endosulfan	115-29-7	11,000	NA	NA	11,000
Endothall	145-73-3	35,000	NA	NA	35,000
Endrin	72-20-8	530	NA	NA	530
Epichlorohydrin	106-89-8	220	3,600	11,000	220

Table II: Generic numerical direct-contact soil standards (commercial/industiral land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Epoxybutane, 1,2-	106-88-7	1,800	NA	15,000	1,800
Ethion	563-12-2	880	NA	NA	880
Ethoxyethanol, 2-	110-80-5	160,000	NA	NA	160,000
Ethyl Acetate	141-78-6	7,100	NA	11,000	7,100
Ethyl Acrylate	140-88-5	NA	2,400	2,500	2,400
Ethyl Chloride (Chloroethane)	75-00-3	150,000	NA	2,100	2,100
Ethyl Ether	60-29-7	820,000	NA	10,000	10,000
Ethyl Methacrylate	97-63-2	19,000	NA	1,100	1,100
Ethylbenzene	100-41-4	58,000	700	480	480
Ethylene Diamine	107-15-3	160,000	NA	NA	160,000
Ethylene Glycol	107-21-1	1,000,000	NA	NA	1,000,000
Ethylene Oxide	75-21-8	2,200	22	120,000	22
Ethylene Thiourea	96-45-7	140	1,100	NA	140
Ethyleneimine	151-56-4	NA	0.27	150,000	0.27
Fluoranthene	206-44-0	60,000	NA	NA	60,000
Fluorene	86-73-7	60,000	NA	NA	60,000
Fluorine (Soluble Fluoride)	7782-41-4	240,000	NA	NA	240,000
Formaldehyde	50-00-0	350,000	1,000,000	NA	350,000
Formic Acid	64-18-6	1,000,000	NA	NA	1,000,000
Furan	110-00-9	4,100	NA	6,200	4,100
Furfural	98-01-1	5,300	NA	NA	5,300
Glycidyl	765-34-4	700	NA	NA	700
Guthion	86-50-0	5,300	NA	NA	5,300
Heptachlor	76-44-8	880	11	NA	11
Heptachlor Epoxide	1024-57-3	23	5.4	NA	5.4
Hexachlorobenzene	118-74-1	1,400	31	NA	31
Hexachlorobutadiene	87-68-3	1,800	630	NA	630
Hexachlorocyclohexane, Alpha-	319-84-6	14,000	7.8	NA	7.8
Hexachlorocyclohexane, Beta-	319-85-7	NA	27	NA	27
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	800	68	NA	68
Hexachlorocyclohexane, Technical	608-73-1	NA	27	NA	27
Hexachlorocyclopentadiene	77-47-4	11,000	NA	NA	11,000
Hexachloroethane	67-72-1	1,200	1,200	NA	1,200
Hexachlorophene	70-30-4	530	NA	NA	530
Hexamethylene Diisocyanate, 1,6-	822-06-0	36	NA	5,200	36
Hexamethylphosphoramide	680-31-9	700	NA	NA	700
Hexane, N-	110-54-3	6,700	NA	140	140
Hexanedioic Acid	124-04-9	1,000,000	NA	NA	1,000,000
Hydrazine	302-01-2	250,000	38	NA	38
Hydrogen Chloride	7647-01-0	1,000,000	NA	NA	1,000,000
Hydrogen Cyanide	74-90-8	410	NA	1,000,000	410
Hydrogen Fluoride	7664-39-3	160,000	NA	NA	160,000
Hydrogen Sulfide	7783-06-4	1,000,000	NA	NA	1,000,000
Hydroquinone	123-31-9	70,000	820	NA	820
Indeno[1,2,3-cd]pyrene	193-39-5	NA	58	NA	58
Isobutyl Alcohol	78-83-1	530,000	NA	NA	530,000
Isophorone	78-59-1	350,000	52,000	NA	52,000
Kerb	23950-58-5	130,000	NA	NA	130,000
Lead acetate	301-04-2	NA	180	NA	180
Lead and Compounds *	7439-92-1	NA	NA	NA	800
Lead subacetate	1335-32-6	NA	1,300	NA	1,300
Malathion	121-75-5	35,000	NA	NA	35,000
Maleic Anhydride	108-31-6	170,000	NA	NA	170,000
Maleic Hydrazide	123-33-1	880,000	NA	NA	880,000

Table II: Generic numerical direct-contact soil standards (commercial/industiral land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Malononitrile	109-77-3	180	NA	NA	180
Mercury and Compounds	7439-97-6	85	NA	3.1	3.1
Methacrylonitrile	126-98-7	350	NA	4,600	350
Methanol	67-56-1	1,000,000	NA	NA	1,000,000
Methomyl	16752-77-5	44,000	NA	NA	44,000
Methoxychlor	72-43-5	8,800	NA	NA	8,800
Methyl Ethyl Ketone (2-Butanone)	78-93-3	560,000	NA	28,000	28,000
Methyl Hydrazine	60-34-4	1,800	NA	NA	1,800
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	170,000	NA	3,400	3,400
Methyl Isocyanate	624-83-9	52	NA	17,000	52
Methyl Methacrylate	80-62-6	52,000	NA	2,400	2,400
Methyl Parathion	298-00-0	440	NA	NA	440
Methyl tert-Butyl Ether (MTBE)	1634-04-4	170,000	5,700	8,900	5,700
Methyl-5-Nitroaniline, 2-	99-55-8	NA	5,500	NA	5,500
Methylaniline Hydrochloride, 2-	636-21-5	NA	380	NA	380
Methylcholanthrene, 3-	56-49-5	NA	2.2	NA	2.2
Methylene Chloride	75-09-2	9,500	32,000	3,300	3,300
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	3,500	490	NA	490
Methylenebisbenzenamine, 4,4'-	101-77-9	1,000,000	31	NA	31
Methylenediphenyl Diisocyanate	101-68-8	1,000,000	NA	NA	1,000,000
Methylnaphthalene, 1-	90-12-0	110,000	1,500	NA	1,500
Methylnaphthalene, 2-	91-57-6	6,000	NA	NA	6,000
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	NA	5.9	NA	5.9
Naled	300-76-5	3,500	NA	NA	3,500
Naphthalene	91-20-3	1,600	450	NA	450
Naphthylamine, 2-	91-59-8	NA	27	NA	27
Nickel Carbonyl	13463-39-3	32,000	NA	NA	32,000
Nickel Soluble Salts	7440-02-0	74,000	900,000	NA	74,000
Nitroaniline, 4-	100-01-6	7,000	2,500	NA	2,500
Nitrobenzene	98-95-3	4,000	610	3,000	610
Nitroglycerin	55-63-0	180	2,900	NA	180
Nitropropane, 2-	79-46-9	3,100	1.6	4,900	1.6
Nitrosodiethanolamine, N-	1116-54-7	NA	18	NA	18
Nitrosodiethylamine, N-	55-18-5	NA	0.33	NA	0.33
Nitrosodimethylamine, N-	62-75-9	14	1.0	NA	1.0
Nitroso-di-N-butylamine, N-	924-16-3	NA	14	NA	14
Nitroso-di-N-propylamine, N-	621-64-7	NA	7.0	NA	7.0
Nitrosodiphenylamine, N-	86-30-6	NA	10,000	NA	10,000
Nitrosomorpholine [N-]	59-89-2	NA	7.4	NA	7.4
Nitroso-N-ethylurea, N-	759-73-9	NA	1.8	NA	1.8
Nitroso-N-methylurea, N-	684-93-5	NA	0.41	NA	0.41
Nitrosopiperidine [N-]	100-75-4	NA	5.2	NA	5.2
Nitrosopyrrolidine, N-	930-55-2	NA	23	NA	23
Nitrotoluene, o-	88-72-2	3,700	520	1,500	520
Nitrotoluene, p-	99-99-0	7,000	3,100	NA	3,100
Octamethylpyrophosphoramide	152-16-9	3,500	NA	NA	3,500
Octyl Phthalate, di-N-	117-84-0	18,000	NA	NA	18,000
Oxamyl	23135-22-0	44,000	NA	NA	44,000
Parathion	56-38-2	11,000	NA	NA	11,000
Pentachlorobenzene	608-93-5	1,400	NA	NA	1,400
Pentachloroethane	76-01-7	NA	550	NA	550
Pentachloronitrobenzene	82-68-8	5,300	190	NA	190
Pentachlorophenol	87-86-5	4,800	67	NA	67
Phenacetin	62-44-2	NA	22,000	NA	22,000

Table II: Generic numerical direct-contact soil standards (commercial/industiral land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Phenol	108-95-2	530,000	NA	NA	530,000
Phenylenediamine, p-	106-50-3	330,000	NA	NA	330,000
Phenylmercuric Acetate	62-38-4	140	NA	NA	140
Phorate	298-02-2	350	NA	NA	350
Phosgene	75-44-5	3.5	NA	1,600	3.5
Phosphine	7803-51-2	1,200	NA	NA	1,200
Phosphoric Acid	7664-38-2	1,000,000	NA	NA	1,000,000
~~Phosphorus, White~~	~~7723-14-0~~	~~82~~	~~NA~~	~~NA~~	~~82~~
Phthalic Anhydride	85-44-9	1,000,000	NA	NA	1,000,000
Polychlorinated Biphenyls, total	1336-36-3	NA	20	NA	20
Potassium Cyanide	151-50-8	8,200	NA	NA	8,200
Potassium Silver Cyanide	506-61-6	20,000	NA	NA	20,000
Propargite	2312-35-8	35,000	NA	NA	35,000
Propargyl Alcohol	107-19-7	3,500	NA	NA	3,500
Propham	122-42-9	35,000	NA	NA	35,000
Propionaldehyde	123-38-6	850	NA	33,000	850
Propylene Oxide	75-56-9	3,700	310	78,000	310
Pyrene	129-00-0	45,000	NA	NA	45,000
Pyridine	110-86-1	4,100	NA	530,000	4,100
Quinoline	91-22-5	NA	16	NA	16
Safrole	94-59-7	NA	220	NA	220
Selenious Acid	7783-00-8	20,000	NA	NA	20,000
Selenium	7782-49-2	20,000	NA	NA	20,000
Silver	7440-22-4	20,000	NA	NA	20,000
Silver Cyanide	506-64-9	410,000	NA	NA	410,000
Sodium Azide	26628-22-8	16,000	NA	NA	16,000
Sodium Cyanide	143-33-9	4,100	NA	NA	4,100
Sodium Fluoride	7681-49-4	200,000	NA	NA	200,000
Sodium Fluoroacetate	62-74-8	35	NA	NA	35
Sodium tripolyphosphate	7758-29-4	1,000,000	NA	NA	1,000,000
Strychnine	57-24-9	530	NA	NA	530
Styrene	100-42-5	97,000	NA	870	870
Sulfuric Acid	7664-93-9	1,000,000	NA	NA	1,000,000
TCDD, 2,3,7,8-	1746-01-6	0.0020	0.00063	NA	0.00063
Tetrachlorobenzene, 1,2,4,5-	95-94-3	530	NA	NA	530
Tetrachloroethane, 1,1,1,2-	630-20-6	120,000	240	680	240
Tetrachloroethane, 1,1,2,2-	79-34-5	82,000	75	1,900	75
Tetrachloroethylene	127-18-4	1,100	2,800	170	170
Tetrachlorophenol, 2,3,4,6-	58-90-2	53,000	NA	NA	53,000
Tetraethyl Dithiopyrophosphate	3689-24-5	880	NA	NA	880
Tetraethyl Lead	78-00-2	0.18	NA	NA	0.18
Tetrahydrofuran	109-99-9	240,000	NA	170,000	170,000
Thallium (Soluble Salts)	7440-28-0	NA	NA	NA	NA
Thiofanox	39196-18-4	530	NA	NA	530
Thiophanate, Methyl	23564-05-8	140,000	NA	NA	140,000
Thiram	137-26-8	8,800	NA	NA	8,800
Titanium Tetrachloride	7550-45-0	830,000	NA	NA	830,000
Toluene	108-88-3	140,000	NA	820	820
Toluidine, p-	106-49-0	NA	1,600	NA	1,600
Toxaphene	8001-35-2	NA	45	NA	45
Triallate	2303-17-5	23,000	NA	NA	23,000
Trichlorobenzene, 1,2,4-	120-82-1	700	3,900	400	400
Trichloroethane, 1,1,1-	71-55-6	96,000	NA	640	640
Trichloroethane, 1,1,2-	79-00-5	16,000	140	2,200	140

Table II: Generic numerical direct-contact soil standards (commercial/industiral land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Trichloroethylene	79-01-6	51	170	690	51
Trichlorofluoromethane	75-69-4	8,500	NA	1,200	1,200
Trichlorophenol, 2,4,5-	95-95-4	180,000	NA	NA	180,000
Trichlorophenol, 2,4,6-	88-06-2	1,800	4,500	NA	1,800
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	18,000	NA	NA	18,000
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	14,000	NA	NA	14,000
Triethylamine	121-44-8	1,300	NA	28,000	1,300
Trifluralin	1582-09-8	13,000	6,400	NA	6,400
Trimethylbenzene, 1,2,4-	95-63-6	660	NA	220	220
Trinitrobenzene, 1,3,5-	99-35-4	98,000	NA	NA	98,000
Trisodium phosphate	7601-54-9	1,000,000	NA	NA	1,000,000
Urethane	51-79-6	NA	49	NA	49
Vanadium Pentoxide	1314-62-1	23,000	28,000	NA	23,000
Vinyl Acetate	108-05-4	10,000	NA	2,700	2,700
Vinyl Bromide	593-60-2	49	14	3,400	14
Vinyl Chloride	75-01-4	1,000	50	3,900	50
Warfarin	81-81-2	530	NA	NA	530
Xylenes	1330-20-7	6,800	NA	260	260
Zinc and Compounds	7440-66-6	1,000,000	NA	NA	1,000,000
Zinc Cyanide	557-21-1	200,000	NA	NA	200,000
Zinc Phosphide	1314-84-7	1,200	NA	NA	1,200

* = See paragraph (C)(3)(e) of rule 3745-300-08 of the Administrative Code.

Table III: Generic numerical direct-contact soil standards (construction/excavation activities category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Acenaphthene	83-32-9	780,000	NA	NA	780,000
Acetaldehyde	75-07-0	3,200	11,000	110,000	3,200
Acetone	67-64-1	1,000,000	NA	110,000	110,000
Acetonitrile	75-05-8	26,000	NA	130,000	26,000
Acetophenone	98-86-2	1,000,000	NA	2,500	2,500
Acetylaminofluorene, 2-	53-96-3	NA	260	NA	260
Acrolein	107-02-8	5.5	NA	23,000	5.5
Acrylamide	79-06-1	1,400	2,000	NA	1,400
Acrylic Acid	79-10-7	210,000	NA	NA	210,000
Acrylonitrile	107-13-1	62	280	11,000	62
Aldicarb	116-06-3	1,400	NA	NA	1,400
Aldicarb Sulfone	1646-88-4	1,400	NA	NA	1,400
Aldrin	309-00-2	57	59	NA	57
Allyl Alcohol	107-18-6	71,000	NA	NA	71,000
Allyl Chloride	107-05-1	64	730	1,400	64
Aluminum Phosphide	20859-73-8	850	NA	NA	850
Aminobiphenyl, 4-	92-67-1	NA	47	NA	47
Ammonium Sulfamate	7773-06-0	1,000,000	NA	NA	1,000,000
Aniline	62-53-3	9,900	170,000	NA	9,900
Anthracene	120-12-7	1,000,000	NA	NA	1,000,000
Antimony (metallic)	7440-36-0	850	NA	NA	850
Antimony Trioxide	1309-64-4	150,000	NA	NA	150,000
Aroclor 1016	12674-11-2	260	13,000	NA	260
Aroclor 1221	11104-28-2	NA	210	760	210
Aroclor 1232	11141-16-5	NA	210	73	73
Aroclor 1242	53469-21-9	NA	440	NA	440
Aroclor 1248	12672-29-6	NA	440	NA	440
Aroclor 1254	11097-69-1	75	440	NA	75
Aroclor 1260	11096-82-5	NA	440	NA	440
Arsenic, Inorganic	7440-38-2	690	1,300	NA	690
Auramine	492-80-8	NA	1,100	NA	1,100
Baygon	114-26-1	5,700	NA	NA	5,700
Benomyl	17804-35-2	71,000	NA	NA	71,000
Benz[a]anthracene	56-55-3	NA	1,200	NA	1,200
Benzene	71-43-2	1,200	1,200	1,800	1,200
Benzenethiol	108-98-5	21,000	NA	1,300	1,300
Benzidine	92-87-5	4,300	4.3	NA	4.3
Benzo[a]pyrene	50-32-8	NA	120	NA	120
Benzo[b]fluoranthene	205-99-2	NA	1,200	NA	1,200
Benzo[k]fluoranthene	207-08-9	NA	12,000	NA	12,000
Benzoic Acid	65-85-0	1,000,000	NA	NA	1,000,000
Benzotrichloride	98-07-7	NA	110	320	110
Benzyl Chloride	100-44-7	370	1,300	1,500	370
Beryllium and compounds	7440-41-7	3,400	71,000	NA	3,400
Biphenyl, 1,1'-	92-52-4	210,000	190,000	NA	190,000
Bis(2-chloro-1-methylethyl) ether	108-60-1	85,000	6,700	1,000	1,000
Bis(2-chloroethoxy)methane	111-91-1	43,000	NA	NA	43,000
Bis(2-chloroethyl)ether	111-44-4	NA	290	5,000	290
Bis(2-ethylhexyl)phthalate	117-81-7	280,000	71,000	NA	71,000
Bis(chloromethyl)ether	542-88-1	NA	0.084	4,200	0.084
Bromodichloromethane	75-27-4	17,000	300	930	300
Bromoform	75-25-2	280,000	130,000	NA	130,000
Bromomethane	74-83-9	550	NA	3,600	550
Butadiene, 1,3-	106-99-0	7.0	68	670	7.0

Table III: Generic numerical direct-contact soil standards (construction/excavation activities category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Butanol, N-	71-36-3	1,000,000	NA	NA	1,000,000
Butyl Benzyl Phthlate	85-68-7	1,000,000	520,000	NA	520,000
Cacodylic Acid	75-60-5	28,000	NA	NA	28,000
Cadmium	7440-43-9	1,000	95,000	NA	1,000
Calcium Cyanide	592-01-8	21,000	NA	NA	21,000
Captan	133-06-2	190,000	430,000	NA	190,000
Carbaryl	63-25-2	140,000	NA	NA	140,000
Carbofuran	1563-66-2	7,100	NA	NA	7,100
Carbon Disulfide	75-15-0	9,400	NA	740	740
Carbon Tetrachloride	56-23-5	1,100	680	460	460
Carbosulfan	55285-14-8	14,000	NA	NA	14,000
Chloramben	133-90-4	21,000	NA	NA	21,000
Chlordane	57-74-9	1,000	3,500	NA	1,000
Chlordecone (Kepone)	143-50-0	710	99	NA	99
Chlorine	7782-50-5	190,000	NA	NA	190,000
Chloro-1,3-butadiene, 2-	126-99-8	300	10	750	10
Chloro-2-methylaniline HCl, 4-	3165-93-3	NA	2,200	NA	2,200
Chloroacetic Acid	79-11-8	28,000	NA	NA	28,000
Chloroacetophenone, 2-	532-27-4	7,400	NA	NA	7,400
Chloroaniline, p-	106-47-8	710	5,000	NA	710
Chlorobenzene	108-90-7	13,000	NA	760	760
Chlorobenzilate	510-15-6	28,000	9,000	NA	9,000
Chloroform	67-66-3	2,500	320	2,500	320
Chloromethane	74-87-3	4,300	NA	1,300	1,300
Chloromethyl Methyl Ether	107-30-2	NA	21	26,000	21
Chloronaphthalene, Beta-	91-58-7	1,000,000	NA	NA	1,000,000
Chlorophenol, 2-	95-57-8	110,000	NA	22,000	22,000
Chlorpyrifos	2921-88-2	4,300	NA	NA	4,300
Chromium(III), Insoluble Salts	16065-83-1	890,000	NA	NA	890,000
Chromium(VI)	18540-29-9	19,000	1,200	NA	1,200
Chromium, Total	7440-47-3	NA	NA	NA	NA
Chrysene	218-01-9	NA	120,000	NA	120,000
Copper	7440-50-8	21,000	NA	NA	21,000
Copper Cyanide	544-92-3	110,000	NA	NA	110,000
Cresol, m-	108-39-4	710,000	NA	NA	710,000
Cresol, o-	95-48-7	710,000	NA	NA	710,000
Cresol, p-	106-44-5	28,000	NA	NA	28,000
Cresol, p-chloro-m-	59-50-7	140,000	NA	NA	140,000
Cresols	1319-77-3	140,000	NA	NA	140,000
Crotonaldehyde, trans-	123-73-9	21,000	780	17,000	780
Cumene	98-82-8	86,000	NA	270	270
Cyanide (CN-)	57-12-5	150	NA	~~150~~ 1,000,000	~~1,000,000~~ 150
Cyanogen	460-19-5	21,000	NA	NA	21,000
Cyanogen Bromide	506-68-3	190,000	NA	NA	190,000
Cyanogen Chloride	506-77-4	110,000	NA	NA	110,000
Cyclohexane	110-82-7	75,000	NA	120	120
Cyclohexanone	108-94-1	1,000,000	NA	NA	1,000,000
Dalapon	75-99-0	43,000	NA	NA	43,000
DDD	72-54-8	NA	4,100	NA	4,100
DDE, p,p'-	72-55-9	NA	2,900	NA	2,900
DDT	50-29-3	930	3,800	NA	930
Diallate	2303-16-4	NA	16,000	NA	16,000
Diazinon	333-41-5	2,800	NA	NA	2,800
Dibenz[a,h]anthracene	53-70-3	NA	120	NA	120

Table III: Generic numerical direct-contact soil standards (construction/excavation activities category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Dibromo-3-chloropropane, 1,2-	96-12-8	240	15	980	15
Dibromochloromethane	124-48-1	280,000	770	800	770
Dibromoethane, 1,2-	106-93-4	69	38	1,300	38
Dibromomethane (Methylene Bromide)	74-95-3	21,000	NA	2,800	2,800
Dibutyl Phthalate	84-74-2	430,000	NA	NA	430,000
Dicamba	1918-00-9	43,000	NA	NA	43,000
Dichloro-2-butene, 1,4-	764-41-0	NA	7.4	520	7.4
Dichlorobenzene, 1,2-	95-50-1	87,000	NA	380	380
Dichlorobenzene, 1,4-	106-46-7	60,000	2,600	NA	2,600
Dichlorobenzidine, 3,3'-	91-94-1	NA	2,200	NA	2,200
Dichlorodifluoromethane	75-71-8	430,000	NA	850	850
Dichloroethane, 1,1-	75-34-3	1,000,000	3,600	1,700	1,700
Dichloroethane, 1,2-	107-06-2	1,300	480	3,000	480
Dichloroethylene, 1,1-	75-35-4	360	NA	1,200	360
Dichloroethylene, 1,2-trans-	156-60-5	7,900	NA	1,700	1,700
Dichlorophenol, 2,4-	120-83-2	28,000	NA	NA	28,000
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	17,000	NA	NA	17,000
Dichloropropane, 1,2-	78-87-5	180	1,000	1,400	180
Dichloropropane, 1,3-	142-28-9	430,000	NA	1,500	1,500
Dichloropropene, 1,3-	542-75-6	520	2,100	1,600	520
Dichlorvos	62-73-7	4,200	3,400	NA	3,400
Dieldrin	60-57-1	140	62	NA	62
Diethanolamine	111-42-2	27,000	NA	NA	27,000
Diethyl Phthalate	84-66-2	1,000,000	NA	NA	1,000,000
Diethylstilbestrol	56-53-1	NA	2.8	NA	2.8
Dihydrosafrole	94-58-6	NA	260	NA	260
Dimethoate	60-51-5	280	NA	NA	280
Dimethoxybenzidine, 3,3'-	119-90-4	NA	91	NA	91
Dimethylamino azobenzene [p-]	60-11-7	NA	220	NA	220
Dimethylaniline, N,N-	121-69-7	43,000	NA	830	830
Dimethylbenz(a)anthracene, 7,12-	57-97-6	NA	3.6	NA	3.6
Dimethylbenzidine, 3,3'-	119-93-7	NA	91	NA	91
Dimethylformamide	68-12-2	420,000	NA	NA	420,000
Dimethylhydrazine, 1,2-	540-73-8	NA	1.8	NA	1.8
Dimethylphenol, 2,4-	105-67-9	85,000	NA	NA	85,000
Dinitrobenzene, 1,2-	528-29-0	1,400	NA	NA	1,400
Dinitrobenzene, 1,3-	99-65-0	1,400	NA	NA	1,400
Dinitrobenzene, 1,4-	100-25-4	1,400	NA	NA	1,400
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	28,000	NA	NA	28,000
Dinitrophenol, 2,4-	51-28-5	28,000	NA	NA	28,000
Dinitrotoluene Mixture, 2,4/2,6-	25321-14-6	NA	1,500	NA	1,500
Dinitrotoluene, 2,4-	121-14-2	2,800	3,200	NA	2,800
Dinitrotoluene, 2,6-	606-20-2	NA	670	NA	670
Dinoseb	88-85-7	1,400	NA	NA	1,400
Dioxane, 1,4-	123-91-1	710,000	10,000	NA	10,000
Diphenylhydrazine, 1,2-	122-66-7	NA	1,200	NA	1,200
Diquat	85-00-7	3,100	NA	NA	3,100
Disodium phosphate	7558-79-4	1,000,000	NA	NA	1,000,000
Disulfoton	298-04-4	130	NA	NA	130
Diuron	330-54-1	2,800	NA	NA	2,800
Endosulfan	115-29-7	7,100	NA	NA	7,100
Endothall	145-73-3	28,000	NA	NA	28,000
Endrin	72-20-8	2,800	NA	NA	2,800
Epichlorohydrin	106-89-8	720	34,000	11,000	720

Table III: Generic numerical direct-contact soil standards (construction/excavation activities category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Epoxybutane, 1,2-	106-88-7	620	NA	15,000	620
Ethion	563-12-2	2,800	NA	NA	2,800
Ethoxyethanol, 2-	110-80-5	140,000	NA	NA	140,000
Ethyl Acetate	141-78-6	24,000	NA	11,000	11,000
Ethyl Acrylate	140-88-5	NA	31,000	2,500	2,500
Ethyl Chloride (Chloroethane)	75-00-3	21,000	NA	2,100	2,100
Ethyl Ether	60-29-7	1,000,000	NA	10,000	10,000
Ethyl Methacrylate	97-63-2	51,000	NA	1,100	1,100
Ethylbenzene	100-41-4	190,000	6,100	480	480
Ethylene Diamine	107-15-3	280,000	NA	NA	280,000
Ethylene Glycol	107-21-1	1,000,000	NA	NA	1,000,000
Ethylene Oxide	75-21-8	4,000	190	120,000	190
Ethylene Thiourea	96-45-7	110	22,000	NA	110
Ethyleneimine	151-56-4	NA	2.9	150,000	2.9
Fluoranthene	206-44-0	160,000	NA	NA	160,000
Fluorene	86-73-7	520,000	NA	NA	520,000
Fluorine (Soluble Fluoride)	7782-41-4	120,000	NA	NA	120,000
Formaldehyde	50-00-0	410,000	1,000,000	NA	410,000
Formic Acid	64-18-6	1,000,000	NA	NA	1,000,000
Furan	110-00-9	21,000	NA	6,200	6,200
Furfural	98-01-1	43,000	NA	NA	43,000
Glycidyl	765-34-4	5,700	NA	NA	5,700
Guthion	86-50-0	4,300	NA	NA	4,300
Heptachlor	76-44-8	140	220	NA	140
Heptachlor Epoxide	1024-57-3	19	110	NA	19
Hexachlorobenzene	118-74-1	14	620	NA	14
Hexachlorobutadiene	87-68-3	1,400	13,000	NA	1,400
Hexachlorocyclohexane, Alpha-	319-84-6	11,000	160	NA	160
Hexachlorocyclohexane, Beta-	319-85-7	NA	550	NA	550
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	5,300	1,100	NA	1,100
Hexachlorocyclohexane, Technical	608-73-1	NA	550	NA	550
Hexachlorocyclopentadiene	77-47-4	26,000	NA	NA	26,000
Hexachloroethane	67-72-1	3,000	25,000	NA	3,000
Hexachlorophene	70-30-4	1,300	NA	NA	1,300
Hexamethylene Diisocyanate, 1,6-	822-06-0	250	NA	5,200	250
Hexamethylphosphoramide	680-31-9	5,700	NA	NA	5,700
Hexane, N-	110-54-3	6,900	NA	140	140
Hexanedioic Acid	124-04-9	1,000,000	NA	NA	1,000,000
Hydrazine	302-01-2	22,000	490	NA	490
Hydrogen Chloride	7647-01-0	1,000,000	NA	NA	1,000,000
Hydrogen Cyanide	74-90-8	480	NA	1,000,000	480
Hydrogen Fluoride	7664-39-3	83,000	NA	NA	83,000
Hydrogen Sulfide	7783-06-4	1,000,000	NA	NA	1,000,000
Hydroquinone	123-31-9	570,000	17,000	NA	17,000
Indeno[1,2,3-cd]pyrene	193-39-5	NA	1,200	NA	1,200
Isobutyl Alcohol	78-83-1	1,000,000	NA	NA	1,000,000
Isophorone	78-59-1	1,000,000	1,000,000	NA	1,000,000
Kerb	23950-58-5	110,000	NA	NA	110,000
Lead acetate	301-04-2	NA	3,600	NA	3,600
Lead and Compounds *	7439-92-1	NA	NA	NA	400
Lead subacetate	1335-32-6	NA	26,000	NA	26,000
Malathion	121-75-5	28,000	NA	NA	28,000
Maleic Anhydride	108-31-6	78,000	NA	NA	78,000
Maleic Hydrazide	123-33-1	710,000	NA	NA	710,000

Table III: Generic numerical direct-contact soil standards (construction/excavation activities category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Malononitrile	109-77-3	1,400	NA	NA	1,400
Mercury and Compounds	7439-97-6	31	NA	3.1	3.1
Methacrylonitrile	126-98-7	1,700	NA	4,600	1,700
Methanol	67-56-1	1,000,000	NA	NA	1,000,000
Methomyl	16752-77-5	36,000	NA	NA	36,000
Methoxychlor	72-43-5	7,100	NA	NA	7,100
Methyl Ethyl Ketone (2-Butanone)	78-93-3	48,000	NA	28,000	28,000
Methyl Hydrazine	60-34-4	1,400	NA	NA	1,400
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	33,000	NA	3,400	3,400
Methyl Isocyanate	624-83-9	18	NA	17,000	18
Methyl Methacrylate	80-62-6	16,000	NA	2,400	2,400
Methyl Parathion	298-00-0	1,000	NA	NA	1,000
Methyl tert-Butyl Ether (MTBE)	1634-04-4	50,000	50,000	8,900	8,900
Methyl-5-Nitroaniline, 2-	99-55-8	NA	110,000	NA	110,000
Methylaniline Hydrochloride, 2-	636-21-5	NA	7,700	NA	7,700
Methylcholanthrene, 3-	56-49-5	NA	45	NA	45
Methylene Chloride	75-09-2	8,500	340,000	3,300	3,300
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	2,800	9,700	NA	2,800
Methylenebisbenzenamine, 4,4'-	101-77-9	1,000,000	620	NA	620
Methylenediphenyl Diisocyanate	101-68-8	4,900	NA	NA	4,900
Methylnaphthalene, 1-	90-12-0	91,000	31,000	NA	31,000
Methylnaphthalene, 2-	91-57-6	5,200	NA	NA	5,200
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	NA	120	NA	120
Naled	300-76-5	2,800	NA	NA	2,800
Naphthalene	91-20-3	560	3,800	NA	560
Naphthylamine, 2-	91-59-8	NA	550	NA	550
Nickel Carbonyl	13463-39-3	3,000	NA	NA	3,000
Nickel Soluble Salts	7440-02-0	23,000	660,000	NA	23,000
Nitroaniline, 4-	100-01-6	14,000	50,000	NA	14,000
Nitrobenzene	98-95-3	4,000	5,100	3,000	3,000
Nitroglycerin	55-63-0	140	59,000	NA	140
Nitropropane, 2-	79-46-9	1,100	14	4,900	14
Nitrosodiethanolamine, N-	1116-54-7	NA	360	NA	360
Nitrosodiethylamine, N-	55-18-5	NA	6.6	NA	6.6
Nitrosodimethylamine, N-	62-75-9	11	20	NA	11
Nitroso-di-N-butylamine, N-	924-16-3	NA	150	NA	150
Nitroso-di-N-propylamine, N-	621-64-7	NA	140	NA	140
Nitrosodiphenylamine, N-	86-30-6	NA	200,000	NA	200,000
Nitrosomorpholine [N-]	59-89-2	NA	150	NA	150
Nitroso-N-ethylurea, N-	759-73-9	NA	37	NA	37
Nitroso-N-methylurea, N-	684-93-5	NA	8.3	NA	8.3
Nitrosopiperidine [N-]	100-75-4	NA	110	NA	110
Nitrosopyrrolidine, N-	930-55-2	NA	470	NA	470
Nitrotoluene, o-	88-72-2	21,000	6,800	1,500	1,500
Nitrotoluene, p-	99-99-0	5,700	62,000	NA	5,700
Octamethylpyrophosphoramide	152-16-9	2,800	NA	NA	2,800
Octyl Phthalate, di-N-	117-84-0	140,000	NA	NA	140,000
Oxamyl	23135-22-0	36,000	NA	NA	36,000
Parathion	56-38-2	8,500	NA	NA	8,500
Pentachlorobenzene	608-93-5	11,000	NA	NA	11,000
Pentachloroethane	76-01-7	NA	11,000	NA	11,000
Pentachloronitrobenzene	82-68-8	4,300	3,800	NA	3,800
Pentachlorophenol	87-86-5	950	1,700	NA	950
Phenacetin	62-44-2	NA	450,000	NA	450,000

Table III: Generic numerical direct-contact soil standards (construction/excavation activities category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Phenol	108-95-2	840,000	NA	NA	840,000
Phenylenediamine, p-	106-50-3	270,000	NA	NA	270,000
Phenylmercuric Acetate	62-38-4	110	NA	NA	110
Phorate	298-02-2	280	NA	NA	280
Phosgene	75-44-5	3.5	NA	1,600	3.5
Phosphine	7803-51-2	640	NA	NA	640
Phosphoric Acid	7664-38-2	1,000,000	NA	NA	1,000,000
~~Phosphorus, White~~	~~7723-14-0~~	~~430~~	~~NA~~	~~NA~~	~~430~~
Phthalic Anhydride	85-44-9	1,000,000	NA	NA	1,000,000
Polychlorinated Biphenyls, total	1336-36-3	NA	440	NA	440
Potassium Cyanide	151-50-8	43,000	NA	NA	43,000
Potassium Silver Cyanide	506-61-6	110,000	NA	NA	110,000
Propargite	2312-35-8	28,000	NA	NA	28,000
Propargyl Alcohol	107-19-7	28,000	NA	NA	28,000
Propham	122-42-9	280,000	NA	NA	280,000
Propionaldehyde	123-38-6	2,900	NA	33,000	2,900
Propylene Oxide	75-56-9	1,200	3,500	78,000	1,200
Pyrene	129-00-0	390,000	NA	NA	390,000
Pyridine	110-86-1	21,000	NA	530,000	21,000
Quinoline	91-22-5	NA	330	NA	330
Safrole	94-59-7	NA	4,500	NA	4,500
Selenious Acid	7783-00-8	11,000	NA	NA	11,000
Selenium	7782-49-2	11,000	NA	NA	11,000
Silver	7440-22-4	11,000	NA	NA	11,000
Silver Cyanide	506-64-9	210,000	NA	NA	210,000
Sodium Azide	26628-22-8	85,000	NA	NA	85,000
Sodium Cyanide	143-33-9	21,000	NA	NA	21,000
Sodium Fluoride	7681-49-4	100,000	NA	NA	100,000
Sodium Fluoroacetate	62-74-8	280	NA	NA	280
Sodium tripolyphosphate	7758-29-4	1,000,000	NA	NA	1,000,000
Strychnine	57-24-9	4,300	NA	NA	4,300
Styrene	100-42-5	110,000	NA	870	870
Sulfuric Acid	7664-93-9	250,000	NA	NA	250,000
TCDD, 2,3,7,8-	1746-01-6	0.037	0.010	NA	0.010
Tetrachlorobenzene, 1,2,4,5-	95-94-3	4,300	NA	NA	4,300
Tetrachloroethane, 1,1,1,2-	630-20-6	190,000	2,100	680	680
Tetrachloroethane, 1,1,2,2-	79-34-5	110,000	670	1,900	670
Tetrachloroethylene	127-18-4	380	25,000	170	170
Tetrachlorophenol, 2,3,4,6-	58-90-2	430,000	NA	NA	430,000
Tetraethyl Dithiopyrophosphate	3689-24-5	7,100	NA	NA	7,100
Tetraethyl Lead	78-00-2	1.4	NA	NA	1.4
Tetrahydrofuran	109-99-9	91,000	NA	170,000	91,000
Thallium (Soluble Salts)	7440-28-0	NA	NA	NA	NA
Thiofanox	39196-18-4	430	NA	NA	430
Thiophanate, Methyl	23564-05-8	110,000	NA	NA	110,000
Thiram	137-26-8	8,500	NA	NA	8,500
Titanium Tetrachloride	7550-45-0	1,000,000	NA	NA	1,000,000
Toluene	108-88-3	82,000	NA	820	820
Toluidine, p-	106-49-0	NA	33,000	NA	33,000
Toxaphene	8001-35-2	NA	900	NA	900
Triallate	2303-17-5	19,000	NA	NA	19,000
Trichlorobenzene, 1,2,4-	120-82-1	2,400	51,000	400	400
Trichloroethane, 1,1,1-	71-55-6	33,000	NA	640	640
Trichloroethane, 1,1,2-	79-00-5	85,000	1,200	2,200	1,200

Table III: Generic numerical direct-contact soil standards (construction/excavation activities category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (mg/kg)	Standard for a Single Chemical Carcinogen (mg/kg)	Soil Saturation (mg/kg)	Generic Direct-Contact Soil Standard for a Single Chemical (mg/kg)
Trichloroethylene	79-01-6	17	1,400	690	17
Trichlorofluoromethane	75-69-4	4,100	NA	1,200	1,200
Trichlorophenol, 2,4,5-	95-95-4	1,000,000	NA	NA	1,000,000
Trichlorophenol, 2,4,6-	88-06-2	1,400	90,000	NA	1,400
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	140,000	NA	NA	140,000
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	11,000	NA	NA	11,000
Triethylamine	121-44-8	4,400	NA	28,000	4,400
Trifluralin	1582-09-8	11,000	130,000	NA	11,000
Trimethylbenzene, 1,2,4-	95-63-6	2,200	NA	220	220
Trinitrobenzene, 1,3,5-	99-35-4	970	NA	NA	970
Trisodium phosphate	7601-54-9	1,000,000	NA	NA	1,000,000
Urethane	51-79-6	NA	1,000	NA	1,000
Vanadium Pentoxide	1314-62-1	11,000	21,000	NA	11,000
Vinyl Acetate	108-05-4	620	NA	2,700	620
Vinyl Bromide	593-60-2	16	120	3,400	16
Vinyl Chloride	75-01-4	280	470	3,900	280
Warfarin	81-81-2	430	NA	NA	430
Xylenes	1330-20-7	7,000	NA	260	260
Zinc and Compounds	7440-66-6	640,000	NA	NA	640,000
Zinc Cyanide	557-21-1	110,000	NA	NA	110,000
Zinc Phosphide	1314-84-7	6,400	NA	NA	6,400

* = See paragraph (C)(3)(e) of rule 3745-300-08 of the Administrative Code.

Table IV: Generic indoor air standards due to vapor intrusion (residential land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (µg/m^3)	Standard for a Single Chemical Carcinogen (µg/m^3)	Generic Indoor Air Standards Due to Vapor Intrusion for a Single Chemical (µg/m^3)
Acetaldehyde	75-07-0	9.4	11	9.4
Acetone	67-64-1	32,000	NA	32,000
Acetonitrile	75-05-8	63	NA	63
Acrolein	107-02-8	0.021	NA	0.021
Acrylonitrile	107-13-1	2.1	0.36	0.36
Allyl Chloride	107-05-1	1.0	4.1	1.0
Aroclor 1221	11104-28-2	NA	0.043	0.043
Aroclor 1232	11141-16-5	NA	0.043	0.043
Benzene	71-43-2	31	3.1	3.1
Benzyl Chloride	100-44-7	1.0	0.50	0.50
Bis(2-chloro-1-methylethyl) ether	108-60-1	NA	2.4	2.4
Bis(2-chloroethyl)ether	111-44-4	NA	0.074	0.074
Bis(chloromethyl)ether	542-88-1	NA	0.00039	0.00039
Bromodichloromethane	75-27-4	NA	0.66	0.66
Bromomethane	74-83-9	5.2	NA	5.2
Butadiene, 1,3-	106-99-0	2.1	0.81	0.81
Carbon Disulfide	75-15-0	730	NA	730
Carbon Tetrachloride	56-23-5	100	4.1	4.1
Chloro-1,3-butadiene, 2-	126-99-8	21	0.081	0.081
Chlorobenzene	108-90-7	52	NA	52
Chloroform	67-66-3	100	1.1	1.1
Chloromethane	74-87-3	94	NA	94
Chloromethyl Methyl Ether	107-30-2	NA	0.035	0.035
Cumene	98-82-8	420	NA	420
Cyanide (CN-)	57-12-5	0.83	NA	0.83
Cyclohexane	110-82-7	6,300	NA	6,300
Dibromo-3-chloropropane, 1,2-	96-12-8	0.21	0.0041	0.0041
Dibromochloromethane	124-48-1	NA	0.90	0.90
Dibromoethane, 1,2-	106-93-4	9.4	0.041	0.041
Dichloro-2-butene, 1,4-	764-41-0	NA	0.0058	0.0058
Dichlorobenzene, 1,2-	95-50-1	210	NA	210
Dichlorobenzene, 1,4-	106-46-7	830	2.2	2.2
Dichloroethane, 1,1-	75-34-3	NA	15	15
Dichloroethane, 1,2-	107-06-2	7.3	0.94	0.94
Dichloroethylene, 1,1-	75-35-4	210	NA	210
Dichloroethylene, 1,2-trans-	156-60-5	63	NA	63
Dichloropropane, 1,2-	78-87-5	4.2	2.4	2.4
Dichloropropene, 1,3-	542-75-6	21	6.1	6.1
Dihydrosafrole	94-58-6	NA	1.9	1.9
Epichlorohydrin	106-89-8	1.0	20	1.0
Epoxybutane, 1,2-	106-88-7	21	NA	21
Ethyl Acetate	141-78-6	73	NA	73
Ethyl Chloride (Chloroethane)	75-00-3	10,000	NA	10,000
Ethyl Methacrylate	97-63-2	310	NA	310
Ethylbenzene	100-41-4	1,000	9.7	9.7
Ethylene Oxide	75-21-8	31	0.28	0.28
Ethyleneimine	151-56-4	NA	0.0013	0.0013
Hexamethylene Diisocyanate, 1,6-	822-06-0	0.010	NA	0.010
Hexane, N-	110-54-3	730	NA	730
Hydrogen Cyanide	74-90-8	0.83	NA	0.83
Hydrogen Sulfide	7783-06-4	2.1	NA	2.1
Mercury and Compounds	7439-97-6	0.31	NA	0.31
Methacrylonitrile	126-98-7	31	NA	31
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5,200	NA	5,200

Table IV: Generic indoor air standards due to vapor intrusion (residential land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen ($\mu g/m^3$)	Standard for a Single Chemical Carcinogen ($\mu g/m^3$)	Generic Indoor Air Standards Due to Vapor Intrusion for a Single Chemical ($\mu g/m^3$)
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	3,100	NA	3,100
Methyl Isocyanate	624-83-9	1.0	NA	1.0
Methyl Methacrylate	80-62-6	730	NA	730
Methyl tert-Butyl Ether (MTBE)	1634-04-4	3,100	94	94
Methylene Chloride	75-09-2	630	960	630
Naphthalene	91-20-3	3.1	0.72	0.72
Nitrobenzene	98-95-3	9.4	0.61	0.61
Nitropropane, 2-	79-46-9	21	0.0090	0.0090
Nitroso-di-N-butylamine, N-	924-16-3	NA	0.015	0.015
Phosgene	75-44-5	0.31	NA	0.31
Propionaldehyde	123-38-6	8.3	NA	8.3
Propylene Oxide	75-56-9	31	6.6	6.6
Styrene	100-42-5	1,000	NA	1,000
Tetrachloroethane, 1,1,1,2-	630-20-6	NA	3.3	3.3
Tetrachloroethane, 1,1,2,2-	79-34-5	NA	0.42	0.42
Tetrachloroethylene	127-18-4	42	94	42
Tetrahydrofuran	109-99-9	2,100	NA	2,100
Toluene	108-88-3	5,200	NA	5,200
Trichlorobenzene, 1,2,4-	120-82-1	2.1	NA	2.1
Trichloroethane, 1,1,1-	71-55-6	5,200	NA	5,200
Trichloroethane, 1,1,2-	79-00-5	NA	1.5	1.5
Trichloroethylene	79-01-6	2.1	4.3	2.1
Trichlorofluoromethane	75-69-4	730	NA	730
Triethylamine	121-44-8	7.3	NA	7.3
Trimethylbenzene, 1,2,4-	95-63-6	7.3	NA	7.3
Vinyl Acetate	108-05-4	210	NA	210
Vinyl Bromide	593-60-2	3.1	0.76	0.76
Vinyl Chloride	75-01-4	100	1.6	1.6
Xylenes	1330-20-7	100	NA	100

Table V: Generic indoor air standards due to vapor intrusion (commercial/industrial land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (µg/m^3)	Standard for a Single Chemical Carcinogen (µg/m^3)	Generic Indoor Air Standards Due to Vapor Intrusion for a Single Chemical (µg/m^3)
Acetaldehyde	75-07-0	39	56	39
Acetone	67-64-1	140,000	NA	140,000
Acetonitrile	75-05-8	260	NA	260
Acrolein	107-02-8	0.088	NA	0.088
Acrylonitrile	107-13-1	8.8	1.8	1.8
Allyl Chloride	107-05-1	4.4	20	4.4
Aroclor 1221	11104-28-2	NA	0.22	0.22
Aroclor 1232	11141-16-5	NA	0.22	0.22
Benzene	71-43-2	130	16	16
Benzyl Chloride	100-44-7	4.4	2.5	2.5
Bis(2-chloro-1-methylethyl) ether	108-60-1	NA	12	12
Bis(2-chloroethyl)ether	111-44-4	NA	0.37	0.37
Bis(chloromethyl)ether	542-88-1	NA	0.0020	0.0020
Bromodichloromethane	75-27-4	NA	3.3	3.3
Bromomethane	74-83-9	22	NA	22
Butadiene, 1,3-	106-99-0	8.8	4.1	4.1
Carbon Disulfide	75-15-0	3,100	NA	3,100
Carbon Tetrachloride	56-23-5	440	20	20
Chloro-1,3-butadiene, 2-	126-99-8	88	0.41	0.41
Chlorobenzene	108-90-7	220	NA	220
Chloroform	67-66-3	430	5.3	5.3
Chloromethane	74-87-3	390	NA	390
Chloromethyl Methyl Ether	107-30-2	NA	0.18	0.18
Cumene	98-82-8	1,800	NA	1,800
Cyanide (CN-)	57-12-5	3.5	NA	3.5
Cyclohexane	110-82-7	26,000	NA	26,000
Dibromo-3-chloropropane, 1,2-	96-12-8	0.88	0.020	0.020
Dibromochloromethane	124-48-1	NA	4.5	4.5
Dibromoethane, 1,2-	106-93-4	39	0.20	0.20
Dichloro-2-butene, 1,4-	764-41-0	NA	0.029	0.029
Dichlorobenzene, 1,2-	95-50-1	880	NA	880
Dichlorobenzene, 1,4-	106-46-7	3,500	11	11
Dichloroethane, 1,1-	75-34-3	NA	77	77
Dichloroethane, 1,2-	107-06-2	31	4.7	4.7
Dichloroethylene, 1,1-	75-35-4	880	NA	880
Dichloroethylene, 1,2-trans-	156-60-5	260	NA	260
Dichloropropane, 1,2-	78-87-5	18	12	12
Dichloropropene, 1,3-	542-75-6	88	31	31
Dihydrosafrole	94-58-6	NA	9.4	9.4
Epichlorohydrin	106-89-8	4.4	100	4.4
Epoxybutane, 1,2-	106-88-7	88	NA	88
Ethyl Acetate	141-78-6	310	NA	310
Ethyl Chloride (Chloroethane)	75-00-3	44,000	NA	44,000
Ethyl Methacrylate	97-63-2	1,300	NA	1,300
Ethylbenzene	100-41-4	4,400	49	49
Ethylene Oxide	75-21-8	130	1.4	1.4
Ethyleneimine	151-56-4	NA	0.0065	0.0065
Hexamethylene Diisocyanate, 1,6-	822-06-0	0.044	NA	0.044
Hexane, N-	110-54-3	3,100	NA	3,100
Hydrogen Cyanide	74-90-8	3.5	NA	3.5
Hydrogen Sulfide	7783-06-4	8.8	NA	8.8
Mercury and Compounds	7439-97-6	1.3	NA	1.3
Methacrylonitrile	126-98-7	130	NA	130
Methyl Ethyl Ketone (2-Butanone)	78-93-3	22,000	NA	22,000

Table V: Generic indoor air standards due to vapor intrusion (commercial/industrial land use category)

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (µg/m^3)	Standard for a Single Chemical Carcinogen (µg/m^3)	Generic Indoor Air Standards Due to Vapor Intrusion for a Single Chemical (µg/m^3)
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	13,000	NA	13,000
Methyl Isocyanate	624-83-9	4.4	NA	4.4
Methyl Methacrylate	80-62-6	3,100	NA	3,100
Methyl tert-Butyl Ether (MTBE)	1634-04-4	13,000	470	470
Methylene Chloride	75-09-2	2,600	12,000	2,600
Naphthalene	91-20-3	13	3.6	3.6
Nitrobenzene	98-95-3	39	3.1	3.1
Nitropropane, 2-	79-46-9	88	0.045	0.045
Nitroso-di-N-butylamine, N-	924-16-3	NA	0.077	0.077
Phosgene	75-44-5	1.3	NA	1.3
Propionaldehyde	123-38-6	35	NA	35
Propylene Oxide	75-56-9	130	33	33
Styrene	100-42-5	4,400	NA	4,400
Tetrachloroethane, 1,1,1,2-	630-20-6	NA	17	17
Tetrachloroethane, 1,1,2,2-	79-34-5	NA	2.1	2.1
Tetrachloroethylene	127-18-4	180	470	180
Tetrahydrofuran	109-99-9	8,800	NA	8,800
Toluene	108-88-3	22,000	NA	22,000
Trichlorobenzene, 1,2,4-	120-82-1	8.8	NA	8.8
Trichloroethane, 1,1,1-	71-55-6	22,000	NA	22,000
Trichloroethane, 1,1,2-	79-00-5	NA	7.7	7.7
Trichloroethylene	79-01-6	8.8	30	8.8
Trichlorofluoromethane	75-69-4	3,100	NA	3,100
Triethylamine	121-44-8	31	NA	31
Trimethylbenzene, 1,2,4-	95-63-6	31	NA	31
Vinyl Acetate	108-05-4	880	NA	880
Vinyl Bromide	593-60-2	13	3.8	3.8
Vinyl Chloride	75-01-4	440	28	28
Xylenes	1330-20-7	440	NA	440

Table VI: Generic unrestricted potable use standards based on maximum contaminant levels or other established regulatory criteria

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Generic Unrestricted Potable Use Standard for a Single Chemical (µg/L)
Alachlor	15972-60-8	2
Aldicarb	116-06-3	3
Aldicarb Sulfone	1646-88-4	2
Antimony (metallic)	7440-36-0	6
Arsenic, Inorganic	7440-38-2	10
Asbestos (fiber >10 micrometers)	-	7 MFL (a)
Atrazine	1912-24-9	3
Barium	7440-39-3	2,000
Benzene	71-43-2	5
Benzo[a]pyrene	50-32-8	0.2
Beryllium and compounds	7440-41-7	4
Bis(2-ethylhexyl)phthalate	117-81-7	6
Bromodichloromethane	75-27-4	80 ~~(a)~~(b)
Bromoform	75-25-2	80 ~~(a)~~(b)
Cadmium	7440-43-9	5
Carbofuran	1563-66-2	40
Carbon Tetrachloride	56-23-5	5
Chlordane	57-74-9	2
Chloroacetic Acid	79-11-8	60
Chlorobenzene	108-90-7	100
Chloroform	67-66-3	80 (a)
Chromium, Total	7440-47-3	100
Copper	7440-50-8	1,300
Cyanide (CN-)	57-12-5	200
Dalapon	75-99-0	200
Dibromo-3-chloropropane, 1,2-	96-12-8	0.2
Dibromochloromethane	124-48-1	80 ~~(a)~~(b)
Dibromoethane, 1,2-	106-93-4	0.05
Dichlorobenzene, 1,2-	95-50-1	600
Dichlorobenzene, 1,4-	106-46-7	75
Dichloroethane, 1,2-	107-06-2	5
Dichloroethylene, 1,1-	75-35-4	7
Dichloroethylene, 1,2-cis-	156-59-2	70
Dichloroethylene, 1,2-trans-	156-60-5	100
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	70
Dichloropropane, 1,2-	78-87-5	5
Dinoseb	88-85-7	7
Diquat	85-00-7	20
Endothall	145-73-3	100
Endrin	72-20-8	2
Ethylbenzene	100-41-4	700
Fluorine (Soluble Fluoride)	7782-41-4	4,000
Glyphosate	1071-83-6	700
Heptachlor	76-44-8	0.4
Heptachlor Epoxide	1024-57-3	0.2
Hexachlorobenzene	118-74-1	1
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	0.2
Hexachlorocyclopentadiene	77-47-4	50
Lead and Compounds	7439-92-1	15
Mercury and Compounds	7439-97-6	2
Methoxychlor	72-43-5	40
Methylene Chloride	75-09-2	5
Oxamyl	23135-22-0	200
Pentachlorophenol	87-86-5	1

Table VI: Generic unrestricted potable use standards based on maximum contaminant levels or other established regulatory criteria

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Generic Unrestricted Potable Use Standard for a Single Chemical (µg/L)
Picloram	1918-02-1	500
Polychlorinated Biphenyls, total	1336-36-3	0.5
Selenium	7782-49-2	50
Simazine	122-34-9	4
Sodium Cyanide	143-33-9	200
Styrene	100-42-5	100
TCDD, 2,3,7,8-	1746-01-6	0.00003
Tetrachloroethylene	127-18-4	5
Thallium (Soluble Salts)	7440-28-0	2
Toluene	108-88-3	1,000
Toxaphene	8001-35-2	3
Trichlorobenzene, 1,2,4-	120-82-1	70
Trichloroethane, 1,1,1-	71-55-6	200
Trichloroethane, 1,1,2-	79-00-5	5
Trichloroethylene	79-01-6	5
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	50
Vinyl Chloride	75-01-4	2
Xylenes	1330-20-7	10,000

(a) MFL = million fibers per liter
~~(a)~~(b) MCL is for Total Trihalomethanes

Table VII: Risk-based generic unrestricted potable use standards

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (µg/L)	Standard for a Single Chemical Carcinogen (µg/L)	Generic Unrestricted Potable Use Standard for a Single Chemical (µg/L)
Acenaphthene	83-32-9	400	NA	400
Acetaldehyde	75-07-0	19	22	19
Acetone	67-64-1	12,000	NA	12,000
Acetonitrile	75-05-8	130	NA	130
Acetophenone	98-86-2	1,500	NA	1,500
Acetylaminofluorene, 2-	53-96-3	NA	0.13	0.13
Acrolein	107-02-8	0.041	NA	0.041
Acrylamide	79-06-1	31	0.43	0.43
Acrylic Acid	79-10-7	7,700	NA	7,700
Acrylonitrile	107-13-1	4.1	0.45	0.45
Aldrin	309-00-2	0.47	0.040	0.040
Allyl Alcohol	107-18-6	78	NA	78
Allyl Chloride	107-05-1	2.1	6.3	2.1
Aluminum Phosphide	20859-73-8	6.2	NA	6.2
Aminobiphenyl, 4-	92-67-1	NA	0.026	0.026
Ammonium Sulfamate	7773-06-0	3,100	NA	3,100
Aniline	62-53-3	110	120	110
Anthracene	120-12-7	1,300	NA	1,300
Aroclor 1016	12674-11-2	1.1	9.6	1.1
Aroclor 1221	11104-28-2	NA	0.041	0.041
Aroclor 1232	11141-16-5	NA	0.041	0.041
Aroclor 1242	53469-21-9	NA	0.34	0.34
Aroclor 1248	12672-29-6	NA	0.34	0.34
Aroclor 1254	11097-69-1	0.31	0.34	0.31
Aroclor 1260	11096-82-5	NA	0.34	0.34
Auramine	492-80-8	NA	0.57	0.57
Baygon	114-26-1	61	NA	61
Benomyl	17804-35-2	750	NA	750
Benz[a]anthracene	56-55-3	NA	0.92	0.92
Benzenethiol	108-98-5	13	NA	13
Benzidine	92-87-5	46	0.0029	0.0029
Benzo[b]fluoranthene	205-99-2	NA	0.92	0.92
Benzo[k]fluoranthene	207-08-9	NA	9.2	9.2
Benzoic Acid	65-85-0	58,000	NA	58,000
Benzotrichloride	98-07-7	NA	0.026	0.026
Benzyl Chloride	100-44-7	1.9	0.77	0.77
Biphenyl, 1,1'-	92-52-4	3,100	33	33
Bis(2-chloro-1-methylethyl) ether	108-60-1	550	3.1	3.1
Bis(2-chloroethoxy)methane	111-91-1	46	NA	46
Bis(2-chloroethyl)ether	111-44-4	NA	0.12	0.12
Bis(chloromethyl)ether	542-88-1	NA	0.00062	0.00062
Bromomethane	74-83-9	7.0	NA	7.0
Butadiene, 1,3-	106-99-0	4.2	0.16	0.16
Butanol, N-	71-36-3	1,500	NA	1,500
Butyl Benzyl Phthlate	85-68-7	1,200	140	140
Cacodylic Acid	75-60-5	310	NA	310
Calcium Cyanide	592-01-8	16	NA	16
Captan	133-06-2	1,900	270	270
Carbaryl	63-25-2	1,400	NA	1,400
Carbon Disulfide	75-15-0	720	NA	720
Carbosulfan	55285-14-8	37	NA	37
Chloramben	133-90-4	220	NA	220
Chlordecone (Kepone)	143-50-0	2.1	0.030	0.030
Chlorine	7782-50-5	1,600	NA	1,600

Table VII: Risk-based generic unrestricted potable use standards

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (µg/L)	Standard for a Single Chemical Carcinogen (µg/L)	Generic Unrestricted Potable Use Standard for a Single Chemical (µg/L)
Chloro-1,3-butadiene, 2-	126-99-8	36	0.16	0.16
Chloro-2-methylaniline HCl, 4-	3165-93-3	NA	1.5	1.5
Chloroaniline, p-	106-47-8	59	3.2	3.2
Chlorobenzilate	510-15-6	140	2.7	2.7
Chloromethane	74-87-3	190	NA	190
Chloromethyl Methyl Ether	107-30-2	NA	0.056	0.056
Chloronaphthalene, Beta-	91-58-7	550	NA	550
Chlorophenol, 2-	95-57-8	71	NA	71
Chlorpyrifos	2921-88-2	6.2	NA	6.2
Chrysene	218-01-9	NA	92	92
Copper Cyanide	544-92-3	78	NA	78
Cresol, m-	108-39-4	720	NA	720
Cresol, o-	95-48-7	720	NA	720
Cresol, p-	106-44-5	1,400	NA	1,400
Cresol, p-chloro-m-	59-50-7	1,100	NA	1,100
Cresols	1319-77-3	1,400	NA	1,400
Crotonaldehyde, trans-	123-73-9	15	0.35	0.35
Cumene	98-82-8	390	NA	390
Cyanogen	460-19-5	16	NA	16
Cyanogen Bromide	506-68-3	1,400	NA	1,400
Cyanogen Chloride	506-77-4	780	NA	780
Cyclohexane	110-82-7	13,000	NA	13,000
Cyclohexanone	108-94-1	77,000	NA	77,000
DDD	72-54-8	NA	0.27	0.27
DDE, p,p'-	72-55-9	NA	2.0	2.0
DDT	50-29-3	7.8	2.0	2.0
Diallate	2303-16-4	NA	4.6	4.6
Diazinon	333-41-5	7.9	NA	7.9
Dibenz[a,h]anthracene	53-70-3	NA	0.092	0.092
Dibromomethane (Methylene Bromide)	74-95-3	150	NA	150
Dibutyl Phthalate	84-74-2	670	NA	670
Dicamba	1918-00-9	440	NA	440
Dichloro-2-butene, 1,4-	764-41-0	NA	0.012	0.012
Dichlorobenzidine, 3,3'-	91-94-1	NA	1.1	1.1
Dichlorodifluoromethane	75-71-8	2,800	NA	2,800
Dichloroethane, 1,1-	75-34-3	2,900	24	24
Dichlorophenol, 2,4-	120-83-2	35	NA	35
Dichloropropane, 1,3-	142-28-9	290	NA	290
Dichloropropene, 1,3-	542-75-6	38	4.1	4.1
Dichlorvos	62-73-7	7.7	2.3	2.3
Dieldrin	60-57-1	0.28	0.015	0.015
Diethanolamine	111-42-2	31	NA	31
Diethyl Phthalate	84-66-2	11,000	NA	11,000
Diethylstilbestrol	56-53-1	NA	0.00043	0.00043
Dihydrosafrole	94-58-6	NA	2.6	2.6
Dimethoate	60-51-5	3.1	NA	3.1
Dimethoxybenzidine, 3,3'-	119-90-4	NA	0.059	0.059
Dimethylamino azobenzene [p-]	60-11-7	NA	0.043	0.043
Dimethylaniline, N,N-	121-69-7	27	NA	27
Dimethylbenz(a)anthracene, 7,12-	57-97-6	NA	0.0027	0.0027
Dimethylbenzidine, 3,3'-	119-93-7	NA	0.056	0.056
Dimethylformamide	68-12-2	1,600	NA	1,600
Dimethylhydrazine, 1,2-	540-73-8	NA	0.0012	0.0012
Dimethylphenol, 2,4-	105-67-9	270	NA	270

Table VII: Risk-based generic unrestricted potable use standards

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (µg/L)	Standard for a Single Chemical Carcinogen (µg/L)	Generic Unrestricted Potable Use Standard for a Single Chemical (µg/L)
Dinitrobenzene, 1,2-	528-29-0	1.5	NA	1.5
Dinitrobenzene, 1,3-	99-65-0	1.5	NA	1.5
Dinitrobenzene, 1,4-	100-25-4	1.5	NA	1.5
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	17	NA	17
Dinitrophenol, 2,4-	51-28-5	30	NA	30
Dinitrotoluene Mixture, 2,4/2,6-	25321-14-6	NA	0.92	0.92
Dinitrotoluene, 2,4-	121-14-2	30	2.0	2.0
Dinitrotoluene, 2,6-	606-20-2	NA	0.42	0.42
Dioxane, 1,4-	123-91-1	470	6.7	6.7
Diphenylhydrazine, 1,2-	122-66-7	NA	0.67	0.67
Disodium phosphate	7558-79-4	760,000	NA	760,000
Disulfoton	298-04-4	0.38	NA	0.38
Diuron	330-54-1	28	NA	28
Endosulfan	115-29-7	79	NA	79
Epichlorohydrin	106-89-8	2.0	25	2.0
Epoxybutane, 1,2-	106-88-7	42	NA	42
Ethion	563-12-2	2.8	NA	2.8
Ethoxyethanol, 2-	110-80-5	1,400	NA	1,400
Ethyl Acetate	141-78-6	140	NA	140
Ethyl Acrylate	140-88-5	NA	14	14
Ethyl Chloride (Chloroethane)	75-00-3	21,000	NA	21,000
Ethyl Ether	60-29-7	3,100	NA	3,100
Ethyl Methacrylate	97-63-2	420	NA	420
Ethylene Diamine	107-15-3	1,400	NA	1,400
Ethylene Glycol	107-21-1	31,000	NA	31,000
Ethylene Oxide	75-21-8	63	0.44	0.44
Ethylene Thiourea	96-45-7	1.2	15	1.2
Ethyleneimine	151-56-4	NA	0.0021	0.0021
Fluoranthene	206-44-0	630	NA	630
Fluorene	86-73-7	220	NA	220
Formaldehyde	50-00-0	3,100	NA	3,100
Formic Acid	64-18-6	14,000	NA	14,000
Furan	110-00-9	15	NA	15
Furfural	98-01-1	46	NA	46
Glycidyl	765-34-4	6.2	NA	6.2
Guthion	86-50-0	43	NA	43
Hexachlorobutadiene	87-68-3	4.7	2.6	2.6
Hexachlorocyclohexane, Alpha-	319-84-6	73	0.062	0.062
Hexachlorocyclohexane, Beta-	319-85-7	NA	0.22	0.22
Hexachlorocyclohexane, Technical	608-73-1	NA	0.22	0.22
Hexachloroethane	67-72-1	5.1	7.9	5.1
Hexachlorophene	70-30-4	4.7	NA	4.7
Hexamethylene Diisocyanate, 1,6-	822-06-0	0.021	NA	0.021
Hexamethylphosphoramide	680-31-9	6.2	NA	6.2
Hexane, N-	110-54-3	250	NA	250
Hexanedioic Acid	124-04-9	31,000	NA	31,000
Hydrazine	302-01-2	NA	0.22	0.22
Hydrogen Cyanide	74-90-8	1.4	NA	1.4
Hydrogen Fluoride	7664-39-3	620	NA	620
Hydroquinone	123-31-9	620	11	11
Indeno[1,2,3-cd]pyrene	193-39-5	NA	0.92	0.92
Isobutyl Alcohol	78-83-1	4,600	NA	4,600
Isophorone	78-59-1	3,000	670	670
Kerb	23950-58-5	900	NA	900

Table VII: Risk-based generic unrestricted potable use standards

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (µg/L)	Standard for a Single Chemical Carcinogen (µg/L)	Generic Unrestricted Potable Use Standard for a Single Chemical (µg/L)
Lead acetate	301-04-2	NA	2.4	2.4
Lead subacetate	1335-32-6	NA	18	18
Malathion	121-75-5	300	NA	300
Maleic Anhydride	108-31-6	1,500	NA	1,500
Maleic Hydrazide	123-33-1	7,800	NA	7,800
Malononitrile	109-77-3	1.6	NA	1.6
Methacrylonitrile	126-98-7	1.5	NA	1.5
Methanol	67-56-1	31,000	NA	31,000
Methomyl	16752-77-5	390	NA	390
Methyl Ethyl Ketone (2-Butanone)	78-93-3	4,900	NA	4,900
Methyl Hydrazine	60-34-4	16	NA	16
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	1,000	NA	1,000
Methyl Isocyanate	624-83-9	2.1	NA	2.1
Methyl Methacrylate	80-62-6	1,400	NA	1,400
Methyl Parathion	298-00-0	3.4	NA	3.4
Methyl tert-Butyl Ether (MTBE)	1634-04-4	6,300	120	120
Methyl-5-Nitroaniline, 2-	99-55-8	NA	70	70
Methylaniline Hydrochloride, 2-	636-21-5	NA	5.0	5.0
Methylcholanthrene, 3-	56-49-5	NA	0.031	0.031
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	20	4.2	4.2
Methylenebisbenzenamine, 4,4'-	101-77-9	NA	0.41	0.41
Methylnaphthalene, 1-	90-12-0	460	9.7	9.7
Methylnaphthalene, 2-	91-57-6	27	NA	27
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	NA	0.081	0.081
Naled	300-76-5	31	NA	31
Naphthalene	91-20-3	6.1	1.4	1.4
Naphthylamine, 2-	91-59-8	NA	0.33	0.33
Nickel Carbonyl	13463-39-3	150	NA	150
Nickel Soluble Salts	7440-02-0	300	NA	300
Nitroaniline, 4-	100-01-6	61	33	33
Nitrobenzene	98-95-3	11	1.2	1.2
Nitroglycerin	55-63-0	1.5	39	1.5
Nitropropane, 2-	79-46-9	42	0.018	0.018
Nitrosodiethanolamine, N-	1116-54-7	NA	0.24	0.24
Nitrosodiethylamine, N-	55-18-5	NA	0.0044	0.0044
Nitrosodimethylamine, N-	62-75-9	0.12	0.013	0.013
Nitroso-di-N-butylamine, N-	924-16-3	NA	0.024	0.024
Nitroso-di-N-propylamine, N-	621-64-7	NA	0.093	0.093
Nitrosodiphenylamine, N-	86-30-6	NA	100	100
Nitrosomorpholine [N-]	59-89-2	NA	0.10	0.10
Nitroso-N-ethylurea, N-	759-73-9	NA	0.025	0.025
Nitroso-N-methylurea, N-	684-93-5	NA	0.0056	0.0056
Nitrosopiperidine [N-]	100-75-4	NA	0.071	0.071
Nitrosopyrrolidine, N-	930-55-2	NA	0.32	0.32
Nitrotoluene, o-	88-72-2	12	2.7	2.7
Nitrotoluene, p-	99-99-0	55	37	37
Octamethylpyrophosphoramide	152-16-9	31	NA	31
Octyl Phthalate, di-N-	117-84-0	160	NA	160
Parathion	56-38-2	65	NA	65
Pentachlorobenzene	608-93-5	2.3	NA	2.3
Pentachloroethane	76-01-7	NA	5.6	5.6
Pentachloronitrobenzene	82-68-8	19	1.0	1.0
Phenacetin	62-44-2	NA	300	300
Phenol	108-95-2	4,500	NA	4,500

Table VII: Risk-based generic unrestricted potable use standards

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (µg/L)	Standard for a Single Chemical Carcinogen (µg/L)	Generic Unrestricted Potable Use Standard for a Single Chemical (µg/L)
Phenylenediamine, p-	106-50-3	3,000	NA	3,000
Phenylmercuric Acetate	62-38-4	1.2	NA	1.2
Phorate	298-02-2	2.3	NA	2.3
Phosphine	7803-51-2	4.7	NA	4.7
Phosphoric Acid	7664-38-2	760,000	NA	760,000
~~Phosphorus, White~~	~~7723-14-0~~	~~0.31~~	~~NA~~	~~0.31~~
Phthalic Anhydride	85-44-9	30,000	NA	30,000
Potassium Cyanide	151-50-8	31	NA	31
Potassium Silver Cyanide	506-61-6	59	NA	59
Propargite	2312-35-8	120	NA	120
Propargyl Alcohol	107-19-7	31	NA	31
Propham	122-42-9	270	NA	270
Propionaldehyde	123-38-6	17	NA	17
Propylene Oxide	75-56-9	63	2.3	2.3
Pyrene	129-00-0	87	NA	87
Pyridine	110-86-1	15	NA	15
Quinoline	91-22-5	NA	0.21	0.21
Safrole	94-59-7	NA	2.6	2.6
Selenious Acid	7783-00-8	78	NA	78
Silver	7440-22-4	71	NA	71
Silver Cyanide	506-64-9	1,300	NA	1,300
Sodium Azide	26628-22-8	62	NA	62
Sodium Fluoride	7681-49-4	780	NA	780
Sodium Fluoroacetate	62-74-8	0.31	NA	0.31
Sodium tripolyphosphate	7758-29-4	760,000	NA	760,000
Strychnine	57-24-9	4.6	NA	4.6
Tetrachlorobenzene, 1,2,4,5-	95-94-3	1.2	NA	1.2
Tetrachloroethane, 1,1,1,2-	630-20-6	370	5.0	5.0
Tetrachloroethane, 1,1,2,2-	79-34-5	280	0.66	0.66
Tetrachlorophenol, 2,3,4,6-	58-90-2	170	NA	170
Tetraethyl Dithiopyrophosphate	3689-24-5	5.3	NA	5.3
Tetraethyl Lead	78-00-2	0.00099	NA	0.00099
Tetrahydrofuran	109-99-9	3,200	NA	3,200
Thiofanox	39196-18-4	4.1	NA	4.1
Thiophanate, Methyl	23564-05-8	1,200	NA	1,200
Thiram	137-26-8	76	NA	76
Toluidine, p-	106-49-0	NA	22	22
Triallate	2303-17-5	87	NA	87
Trichlorofluoromethane	75-69-4	1,100	NA	1,100
Trichlorophenol, 2,4,5-	95-95-4	890	NA	890
Trichlorophenol, 2,4,6-	88-06-2	9.0	35	9.0
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	120	NA	120
Triethylamine	121-44-8	15	NA	15
Trifluralin	1582-09-8	29	22	22
Trimethylbenzene, 1,2,4-	95-63-6	15	NA	15
Trinitrobenzene, 1,3,5-	99-35-4	460	NA	460
Trisodium phosphate	7601-54-9	760,000	NA	760,000
Urethane	51-79-6	NA	0.67	0.67
Vanadium Pentoxide	1314-62-1	110	NA	110
Vinyl Acetate	108-05-4	410	NA	410
Vinyl Bromide	593-60-2	6.3	1.5	1.5
Warfarin	81-81-2	4.4	NA	4.4
Zinc and Compounds	7440-66-6	4,700	NA	4,700
Zinc Cyanide	557-21-1	780	NA	780

Table VII: Risk-based generic unrestricted potable use standards

Chemical of Concern	Chemical Abstract Service Number (CAS #)	Standard for a Single Chemical Non-Carcinogen (µg/L)	Standard for a Single Chemical Carcinogen (µg/L)	Generic Unrestricted Potable Use Standard for a Single Chemical (µg/L)
Zinc Phosphide	1314-84-7	4.7	NA	4.7