

US EPA ARCHIVE DOCUMENT

Appendix XI

Table A - Modeled or Extrapolated Risk-Based Conditional Exit Levels

CASNUM	NAME	Nonwastewater	Totals/20	Leach (mg/l)
		Totals (mg/kg)		
83-32-9	Parathion	19	0.95	160000
67-64-1	Epichlorohydrin	96	4.8	47000
75-05-8	Trichloro-1,2,2-trifluoroethane, 1,1,2-		0	12000
98-86-2	Dichloropropene, trans-1,3-	62	3.1	10000
75-36-5	Dichloropropene, cis-1,3-	65	3.25	10000
591-08-2	DDD	0.26	0.013	6800
53-96-3	Copper	950	47.5	3800
107-02-8	Endrin	27	1.35	770
79-06-1	Disulfoton	58	2.9	120
107-13-1	Dimethyl phthalate	3	0.15	110
1402-68-2	Methyl parathion	6	0.3	110
116-06-3	Stryene		0	70
309-00-2	Butylbenzylphthalate	87	4.35	67
107-18-6	Benzyl chloride	81	4.05	50
107-05-1	Ethylbenzene		0	42
92-67-1	Dieldrin	0.048	0.0024	36
2763-96-4	Formaldehyde	54	2.7	37
504-24-5	Diallate	7	0.35	11
61-82-5	Heptachlor epoxide	0.56	0.028	10
62-53-3	Hexachlorocyclohexane, gamma- (Lindane)	0.75	0.0375	9
120-12-7	Dimethoate	7	0.35	4
2465-27-2	Warfarin	6	0.3	3
115-02-6	Endosulfan sulfate	6	0.3	3
7440-39-3	D, salts, esters, 2,4-	6	0.3	3
71-43-2	Famphur	6	0.3	3
92-87-5	Methomyl	6	0.3	3
106-51-4	Thiram	6	0.3	3
98-07-7	Isodrin	6	0.3	3
50-32-8	Aldicarb	6	0.3	3
205-99-2	Endrin aldehyde	6	0.3	3
205-82-3	Endosulfan I	6	0.3	3
207-08-9	Endrin ketone	6	0.3	3
191-24-2	Endosulfan II	6	0.3	3

Appendix XI

Table A - Modeled or Extrapolated Risk-Based Conditional Exit Levels

CASNUM	NAME	Nonwastewater	Totals/20	Leach (mg/l)
		Totals (mg/kg)		
100-51-6	HCH, delta-	6	0.3	3
100-44-7	Hexachlorocyclohexane, alpha- (alpha-BHC)	0.18	0.009	2
56-55-3	Chromium	16	0.8	2
84-66-2	DDT	0.11	0.0055	0.0054
56-53-1	DDE	0.033	0.00165	0.000062
60-51-5	Ethylene Dibromide	0.06	0.003	0.000098
77-78-1	Chlordane	0.19	0.0095	0.00016
60-11-7	Beryllium	0.22	0.011	0.0011
119-90-4	Arsenic	0.53	0.0265	0.00052
84-74-2	Hexachlorocyclohexane, beta- (beta-BHC)	0.64	0.032	0.0009
100-25-4	Dichlorobenzidine, 3,3'-	1	0.05	0.0036
534-52-1	Bis(2-chlorethyl)ether	1	0.05	0.002
606-20-2	Vinyl chloride	3	0.15	0.00021
117-84-0	Nitropropane, 2-	3	0.15	
123-91-1	Benzo(b)fluoranthene	4	0.2	0.000066
141-78-6	Dibromo-3-chloropropane, 1,2-	7	0.35	0.00052
107-12-0	Heptachlor	8	0.4	
60-29-7	Silver	9	0.45	
97-63-2	Acrolein	11	0.55	
62-50-0	Chlorobenzilate	14	0.7	0.029
100-41-4	Dichloroethylene, 1,1-	20	1	0.00077
106-93-4	Pentachlorophenol	22	1.1	0.0022
75-21-8	Trinitrobenzene, sym-	23	1.15	0.011
96-45-7	Octamethylpyrophosphoramide	31	1.55	0.37
151-56-4	Safrole	28	1.4	0.0044
52-85-7	Mercury	39	1.95	0.4
640-19-7	Thallium (I)	33	1.65	0.071
62-74-8	Chrysene	35	1.75	0.0012
206-44-0	Nitrophenol, 2-	42	2.1	0.034
765-34-4	N-Nitrosomorpholine	51	2.55	0.37
319-86-8	Naphthylamine, 1-	51	2.55	0.37
76-44-8	Phenylenediamine, p-	51	2.55	0.37
1024-57-3	Phenylenediamines (N.O.S.)	51	2.55	0.37

Appendix XI

Table A - Modeled or Extrapolated Risk-Based Conditional Exit Levels

CASNUM	NAME	Nonwastewater	Totals/20	Leach (mg/l)
		Totals (mg/kg)		
87-68-3	Reserpine	51	2.55	0.37
118-74-1	Nicotine and salts	51	2.55	0.37
319-84-6	Naphthylamine, 2-	51	2.55	0.37
319-85-7	N-Nitroso-N-methylurea	51	2.55	0.37
58-89-9	Malononitrile	51	2.55	0.37
77-47-4	Maleic hydrazide	51	2.55	0.37
67-72-1	Methapyrilene	51	2.55	0.37
70-30-4	Propylamine, n-	51	2.55	0.37
1888-71-7	Nitroquinoline-1-oxide, 4-	51	2.55	0.37
757-58-4	Toluenediamine, 3,4-	51	2.55	0.37
591-78-6	Picoline, 2-	51	2.55	0.37
302-01-2	Dimethylphenethylamine, alpha, alpha-	51	2.55	0.37
193-39-5	Ethyl cyanide (propionitrile)	51	2.55	0.37
74-88-4	Toluidine hydrochloride, o-	51	2.55	0.37
78-83-1	Diphenylhydrazine, 1,2-	51	2.55	0.37
465-73-6	Toluenediamine, 2,6-	51	2.55	0.37
78-59-1	Cyanide	51	2.55	0.37
120-58-1	Toluene diisocyanate	51	2.55	See Table B
143-50-0	Hydrazine	51	2.55	See Table B
303-43-4	Dichloroethane, 1,2-	59	2.95	0.00021
7439-92-1	Dinitrobenzene, 1,3-	60	3	0.022
108-31-6	Dichloropropene, 1,3-	68	3.4	0.0038
123-33-1	Dioxane, 1,4-	71	3.55	0.058
109-77-3	Tetrachloroethane, 1,1,2,2-	70	3.5	0.0077
148-82-3	Endosulfan	150	7.5	4
7439-97-6	Methacrylonitrile	72	3.6	0.021
126-98-7	Chloroform	76	3.8	0.075
74-93-1	Antimony	85	4.25	0.18
67-56-1	Dimethylaminoazobenzene, p-	88	4.4	0.038
91-80-5	Aminobiphenyl, 4-	88	4.4	0.038
16752-77-5	Acetylaminofluorene, 2-	88	4.4	0.038
72-43-5	Nitro-o-toluidine, 5-	88	4.4	0.038
74-83-9	Nitroaniline, 4-	88	4.4	0.038

Appendix XI

Table A - Modeled or Extrapolated Risk-Based Conditional Exit Levels

CASNUM	NAME	Nonwastewater	Totals/20	Leach
		Totals (mg/kg)		(mg/l)
74-87-3	Nitroaniline, 2-	88	4.4	See Table B
78-93-3	Nitroaniline, 3-	88	4.4	See Table B
1338-23-4	Cobalt	110	5.5	1
60-34-4	Methyl chloride (Chloromethane)	91	4.55	
108-10-1	Bis (2-chloroisopropyl) ether	97	4.85	0.0088
80-62-6	Cadmium	110	5.5	0.32
66-27-3	Dichloroethane, 1,1-	110	5.5	0.00021
91-57-6	Acetyl-2-thiourea, 1-	590	29.5	24
298-00-0	O,O-Diethyl O-pyrazinyl phosphorothioate	590	29.5	24
75-55-8	Propylthiouracil	590	29.5	24
56-49-5	Methyl methanesulfonate	590	29.5	24
74-95-3	Thiofanox	590	29.5	24
75-09-2	O,O,O-Triethyl phosphorothioate	590	29.5	24
101-14-4	Thiophenol	590	29.5	24
70-25-7	Trichlorophenoxyacetic acid, 2,4,5- (245-T)	150	7.5	2
56-04-2	Carbon tetrachloride	130	6.5	0.0077
50-07-7	Dichloromethoxy ethane	140	7	0.053
7439-98-7	Dichlorobenzene, 1,3-	140	7	0.053
91-20-3	Chlorophenyl phenyl ether, 4-	140	7	0.053
130-15-4	Bromophenyl phenyl ether, 4-	140	7	0.053
86-88-4	Chloroethane (ethyl chloride)	140	7	0.053
134-32-7	Iodomethane	140	7	0.053
91-59-8	Pentachloroethane	140	7	0.053
7440-02-0	Dichloromethylbenzene (benzal chloride)	140	7	0.053
54-11-5	Dichloro-2-butene, 1,4-	140	7	0.053
88-74-4	Dichlorophenol, 2,6-	140	7	0.053
99-09-2	Dichloro-2-butene, trans-1,4-	140	7	0.053
100-01-6	Bromoacetone	140	7	0.053
98-95-3	Pentachloronitrobenzene (PCNB)	140	7	See Table B
55-86-7	Chloromethyl methyl ether	140	7	See Table B
51-75-2	Trichlorophenol, 2,4,6-	160	8	0.068
126-85-2	Aniline	170	8.5	0.072
302-70-5	Dichloropropane, 1,2-	180	9	0.011

Appendix XI

Table A - Modeled or Extrapolated Risk-Based Conditional Exit Levels

CASNUM	NAME	Nonwastewater	Totals/20	Leach (mg/l)
		Totals (mg/kg)		
55-63-0	Trichloroethane, 1,1,2-	190	9.5	0.0077
99-55-8	Chlorodibromomethane	200	10	0.0079
88-75-5	Bromodichloromethane	240	12	0.011
100-02-7	Benzene	250	12.5	0.023
79-46-9	Selenium	280	14	1
56-57-5	Allyl chloride	260	13	
55-18-5	Methoxychlor	280	14	
62-75-9	Hexachloro-1,3-butadiene	290	14.5	0.0069
924-16-3	Tetrachloroethane, 1,1,1,2-	370	18.5	0.042
10595-95-6	Dinitrotoluene, 2,6-	420	21	0.22
1116-54-7	Dinitrophenol, 2,4-	450	22.5	0.37
621-64-7	Trichlorophenoxypropionic acid, 2,4,5- (Silvex)	520	26	2
86-30-6	Phorate	510	25.5	
4549-40-0	Nitrobenzene	520	26	0.11
59-89-2	Dichlorobenzene, 1,4-	650	32.5	0.06
759-73-9	Methylene chloride	720	36	0.053
684-93-5	Bis(2-ethylhexyl)phthalate	740	37	0.0011
615-53-2	Dichlorophenol, 2,4-	770	38.5	0.76
16543-55-8	Methyl bromide (Bromomethane)	850	42.5	4
100-75-4	Lead	1600	80	41
930-55-2	Hexachloroethane	890	44.5	0.11
13256-22-9	Pyridine	930	46.5	0.21
103-85-5	Molybdenum	1200	60	2
1615-80-1	Chloronaphthalene, 2-	1200	60	0.06
152-16-9	Chloro-m-cresol, p-	1200	60	0.06
20816-12-0	Hexachloropropene	1200	60	0.06
297-97-2	Dichloro-2-propanol, 1,3-	1200	60	0.06
126-68-1	Tetraethylthiopyrophosphate	1200	60	
123-63-7	Chloroethyl vinyl ether, 2-	1200	60	See Table B
56-38-2	Benzotrichloride	1200	60	See Table B
608-93-5	Chloropropionitrile, 3-	1200	60	See Table B
76-01-7	Dinitrotoluene, 2,4-	1400	70	0.39
82-68-8	Hexachlorocyclopentadiene	1500	75	

Appendix XI

Table A - Modeled or Extrapolated Risk-Based Conditional Exit Levels

CASNUM	NAME	Nonwastewater	Totals/20	Leach (mg/l)
		Totals (mg/kg)		
87-86-5	Bromoform (Tribromomethane)	1600	80	0.081
62-44-2	Tetrachlorobenzene, 1,2,4,5-	1600	80	0.032
85-01-8	Phenylenediamine, m-	1700	85	1
108-95-2	Chloro-1,3-butadiene, 2- (Chloroprene)	1700	85	
62-38-4	Isophorone	2000	100	0.69
25265-76-3	Acetonitrile	2200	110	1
108-45-2	Pentachlorobenzene	2300	115	0.054
106-50-3	Vanadium	2700	135	13
298-02-2	Cresol, p-	2900	145	1
	Trichloroethylene	3200	160	0.049
298-06-6	Carbon disulfide	3800	190	24
3288-58-2	N-Nitrosodiphenylamine	3600	180	0.24
2953-29-9	Chloroaniline, p-	5800	290	0.56
85-44-9	Ethoxyethanol, 2-	6900	345	53
109-06-8	Butyl-4,6-dinitrophenol, 2-sec- (Dinoseb)	6000	300	0.24
1336-36-3	Ethyl carbamate	6900	345	37
23950-58-5	Diepoxybutane, 1,2,3,4- (2,2'-bioxirane)	6900	345	37
1120-71-4	Dihydrosafrole	6900	345	37
107-10-8	Ethylene oxide	6900	345	37
51-52-5	Isosafrole	6900	345	37
107-19-7	Vinyl acetate	6900	345	37
129-00-0	Phenacetin	6900	345	37
110-86-1	Benzoquinone, p-	6900	345	37
50-55-5	Naphthoquinone, 1,4-	6900	345	37
108-46-3	Aramite	6900	345	37
81-07-2	Maleic anhydride	6900	345	See Table B
94-59-7	Tetraethyl pyrophosphate	6900	345	See Table B
7782-49-2	Dichlorodifluoromethane	8400	420	45
7440-22-4	Nickel	8600	430	14
18883-66-4	Chlorophenol, 2-	8500	425	1
57-24-9	Phthalic anhydride	9600	480	See Table B
100-42-5	Diphenylamine	12000	600	15
18496-25-8	Dichlorophenoxyacetic acid, 2,4- (2,4-D)	12000	600	2

Appendix XI

Table A - Modeled or Extrapolated Risk-Based Conditional Exit Levels

CASNUM	NAME	Nonwastewater	Totals/20	Leach (mg/l)
		Totals (mg/kg)		
1746-01-6	Trichloropropane, 1,2,3-	14000	700	1
95-94-3	Diethyl phthalate	19000	950	220
630-20-6	Pyrene	16000	800	2
79-34-5	Fluoranthene	21000	1050	2
127-18-4	Methylene bromide	21000	1050	0.19
58-90-2	Di-n-octyl phthalate	21000	1050	0.1
107-49-3	Dimethylphenol, 2,4-	24000	1200	5
3689-24-5	Cresol, m-	30000	1500	11
7440-28-0	Barium	34000	1700	45
62-55-5	Tetrachlorophenol, 2,3,4,6-	35000	1750	2
39196-18-4	Paraldehyde	38000	1900	22
108-98-5	Cyclohexanone	38000	1900	22
79-19-6	Crotonaldehyde	38000	1900	22
62-56-6	Hexanone, 2-	38000	1900	22
137-26-8	Dibenzofuran	38000	1900	11
7440-31-5	Methyl isobutyl ketone	38000	1900	11
108-88-3	Acetone	39000	1950	21
584-84-9	Butanol	41000	2050	21
95-80-7	Chlorobenzene	41000	2050	6
823-40-5	Cresol, o-	46000	2300	11
496-72-0	Dichloroethylene, cis-1,2-	46000	2300	2
636-21-5	Zinc	51000	2550	130
95-53-4	Trichlorophenol, 2,4,5-	55000	2750	22
106-49-0	Trichlorobenzene, 1,2,4-	62000	3100	3
8001-35-2	Acenaphthene	63000	3150	13
76-13-1	Acetophenone	75000	3750	22
120-82-1	Di-n-butyl phthalate	90000	4500	25
71-55-6	Fluorene	90000	4500	7
79-00-5	Methyl methacrylate	100000	5000	33
79-01-6	Ethyl methacrylate	100000	5000	27
75-69-4	Tetrachloroethylene	100000	5000	3
75-70-7	Isobutyl alcohol	120000	6000	53
95-95-4	Benzyl alcohol	130000	6500	53

Appendix XI

Table A - Modeled or Extrapolated Risk-Based Conditional Exit Levels

CASNUM	NAME	Nonwastewater	Totals/20	Leach (mg/l)
		Totals (mg/kg)		
88-06-2	Propyn-1-ol, 2-	130000	6500	53
93-76-5	Dichloroethylene, trans-1,2-	130000	6500	4
93-72-1	Trichlorofluoromethane	170000	8500	61
96-18-4	Pronamide	230000	11500	25
99-35-4	Methyl ethyl ketone	250000	12500	110
126-72-7	Ethyl ether	260000	13000	37
52-24-4	Methanol	310000	15500	110
72-57-1	Phenol	390000	19500	110
66-75-1	Naphthalene	430000	21500	15
7440-62-2	Dichlorobenzene, 1,2-	530000	26500	32
108-05-4	Toluene	560000	28000	51
75-01-4	Ethyl acetate	600000	30000	510
81-81-2	Trichloroethane, 1,1,1-	630000	31500	0.054
1330-20-7	Formic Acid	680000	34000	370
7440-66-6	Xylenes (total)	710000	35500	700