

US EPA ARCHIVE DOCUMENT

Appendix X

Table B - Quantitation-Based Exit Levels

CASNUM	NAME	MCL Benchmark Option		Toxicity
		Totals (mg/l)	Totals (mg/kg)	
208-96-8	Acenaphthylene	0.02		0.02
75-36-5	Acetyl chloride	**	**	**
591-08-2	Acetyl-2-thiourea, 1-	1	70	
53-96-3	Acetylamino fluorene, 2-			0.02
107-02-8	Acrolein	0.013		
79-06-1	Acrylamide	0.01	0.1	0.01
107-13-1	Acrylonitrile	0.008		0.008
1402-68-2	Aflatoxins	**	**	**
116-06-3	Aldicarb	0.05	1	
309-00-2	Aldrin	0.000034	0.0006	0.000034
107-18-6	Allyl alcohol	**	**	**
92-67-1	Aminobiphenyl, 4-			0.02
2763-96-4	Aminomethyl-3-isoxazolol, 5-	**	**	**
504-24-5	Aminopyridine, 4-	**	**	**
61-82-5	Amitrole	**	**	**
120-12-7	Anthracene	0.007		0.007
7440-38-2	Arsenic		0.3	
2465-27-2	Auramine	**	**	**
115-02-6	Azaserine	**	**	**
92-87-5	Benzidine	0.0025	0.042	0.0025
98-07-7	Benzotrithloride	**		**
50-32-8	Benzo(a)pyrene			
205-82-3	Benzo(j)fluoranthene			
207-08-9	Benzo(k)fluoranthene			
191-24-2	Benzo[g,h,i]perylene			
56-55-3	Benz(a)anthracene			0.000013
225-51-4	Benz[c]acridine			
7440-41-7	Beryllium		0.1	
542-88-1	Bis(chloromethyl) ether	**	**	**
357-57-3	Brucine	20	**	20
86-74-8	Carbazole	**	**	**
353-50-4	Carbon oxyfluoride	**	**	**
75-87-6	Chloral	**	**	**
305-03-3	Chlorambucil	**	**	**
57-74-9	Chlordane	0.00004		
494-03-1	Chlornaphazin	**	**	**
107-20-0	Chloroacetaldehyde	**	**	**
110-75-8	Chloroethyl vinyl ether, 2-	**		**
107-30-2	Chloromethyl methyl ether	**		**
5344-82-1	Chlorophenyl thiourea, 1-o-	**	**	**
542-76-7	Chloropropionitrile, 3-			0.1
6358-53-8	Citrus red No. 2	**	**	**
7440-48-4	Cobalt			0.5
57-12-5	Cyanide	0.2		0.2
14901-08-7	Cycasin	**	**	**

108-94-1	Cyclohexanone	10		10
131-89-5	Cyclohexyl-4,6-dinitrophenol, 2-	0.1	7	0.1
50-18-0	Cyclophosphamide	**	**	**
20830-81-3	Daunomycin	**	**	**
53-19-0	DDD (o,p')	**	**	**
72-55-9	DDE	0.000058		
3424-82-6	DDE (o,p')	**	**	**
50-29-3	DDT	0.000081		
789-02-6	DDT (o,p')	**	**	**
192-65-4	Dibenzo[a,e]pyrene			
189-64-0	Dibenzo[a,h]pyrene			
189-55-9	Dibenzo[a,i]pyrene			
194-59-2	Dibenzo[c,g]carbazole, 7H-	0.01		0.01
226-36-8	Dibenz(a,h)acridine			
53-70-3	Dibenz(a,h)anthracene	0.00003	0.084	0.00003
224-42-0	Dibenz[a,j]acridine			
96-12-8	Dibromo-3-chloropropane, 1,2-			
91-94-1	Dichlorobenzidine, 3,3'-		0.12	0.0024
542-75-6	Dichloropropene, 1,3-			0.0009
311-45-5	Diethyl-p-nitrophenyl phosphate	**	**	**
56-53-1	Diethylstilbestrol	0.0078	1	0.0078
77-78-1	Dimethyl sulfate	**	**	**
60-11-7	Dimethylaminoazobenzene, p-			0.01
119-93-7	Dimethylbenzidine, 3,3'-	0.0033	0.7	0.0033
57-97-6	Dimethylbenz(a)anthracene, 7,12-	0.00037	0.039	0.00037
79-44-7	Dimethylcarbamoyl chloride	**	**	**
119-90-4	Dimethoxybenzidine, 3,3'-		7	
100-25-4	Dinitrobenzene, 1,4-	0.04	3	0.04
534-52-1	Dinitro-o-cresol, 4,6-	0.05	3	0.05
541-53-7	Dithiobiuret	**	**	**
	D, salts, esters, 2,4-		0.2	
145-73-3	Endothall	0.1	**	
51-43-4	Epinephrine	**	**	**
62-50-0	Ethyl methanesulfonate		0.018	
106-93-4	Ethylene Dibromide			
96-45-7	Ethylene thiourea	**	**	**
151-56-4	Ethyleneimine (aziridine)	**	**	**
52-85-7	Famphur	0.02	1	
640-19-7	Fluoracetamide, 2-	**	**	**
62-74-8	Fluoroacetic acid, sodium salt	**	**	**
16984-48-8	Fluoride			
50-00-0	Formaldehyde	0.023		
765-34-4	Glycidylaldehyde	**	**	**
76-44-8	Heptachlor	0.00004		
118-74-1	Hexachlorobenzene	0.0016	0.072	
70-30-4	Hexachlorophene	0.21	2	0.21
757-58-4	Hexaethyl tetraphosphate	**	**	**
302-01-2	Hydrazine	**		**
193-39-5	Indeno(1,2,3-cd) pyrene			0.000043
465-73-6	Isodrin	0.02	1	
143-50-0	Kepone	0.016	0.097	0.016
303-43-4	Lasiocarpine	**	**	**
108-31-6	Maleic anhydride	**		**
148-82-3	Melphalan	**	**	**

126-98-7	Methacrylonitrile			0.009
74-93-1	Methanethiol	**	**	**
16752-77-5	Methomyl	0.05	3	
1338-23-4	Methyl ethyl ketone peroxide	**	**	**
60-34-4	Methyl hydrazine	**	**	**
91-57-6	Methyl naphthalene, 2-	0.01		0.01
75-55-8	Methylaziridine, 2-	**	**	**
56-49-5	Methylcholanthrene, 3-	0.01	0.046	0.01
101-14-4	Methylenebis, 4,4'- (2-chloroaniline)	**	**	**
70-25-7	Methyl-nitro-nitrosoguanidine (MNNG)	**	**	**
56-04-2	Methylthiouracil	**	**	**
50-07-7	Mitomycin C	**	**	**
86-88-4	Naphthyl-2-thiourea, 1-	**	**	**
88-74-4	Nitroaniline, 2-	0.05		0.05
99-09-2	Nitroaniline, 3-	0.05		0.05
100-01-6	Nitroaniline, 4-			0.02
55-86-7	Nitrogen mustard	**	**	**
51-75-2	Nitrogen mustard hydrochloride salt	**	**	**
126-85-2	Nitrogen mustard N-Oxide	**	**	**
302-70-5	Nitrogen mustard N-Oxide, HCl salt	**	**	**
55-63-0	Nitroglycerine	**	**	**
99-55-8	Nitro-o-toluidine, 5-			0.01
88-75-5	Nitrophenol, 2-			0.01
100-02-7	Nitrophenol, 4-	0.05	3	0.05
79-46-9	Nitropropane, 2-	0.0058		
55-18-5	Nitrosodiethylamine	0.002	1	0.002
62-75-9	Nitrosodimethylamine	0.0006	0.074	0.0006
924-16-3	Nitrosodi-n-butylamine	0.06		0.06
10595-95-6	Nitrosomethylethylamine	0.028	0.016	0.028
1116-54-7	N-Nitrosodiethanolamine	0.01	0.7	0.01
621-64-7	N-Nitrosodi-n-propylamine	0.026		0.026
86-30-6	N-Nitrosodiphenylamine			0.05
4549-40-0	N-Nitrosomethyl vinyl amine	**	**	**
759-73-9	N-Nitroso-N-ethylurea	**	**	**
615-53-2	N-Nitroso-N-methylurethane	**	**	**
16543-55-8	N-Nitrosornicotine	**	**	**
100-75-4	N-Nitrosopiperidine	0.0014	0.033	0.0014
930-55-2	N-Nitrosopyrrolidine	0.0047		0.0047
13256-22-9	N-Nitrososarcosine	**	**	**
103-85-5	N-Phenylthiourea	**	**	**
1615-80-1	N,N-Diethylhydrazine	**	**	**
20816-12-0	Osmium tetroxide	3	200	3
126-68-1	O,O,O-Triethyl phosphorothioate		3	
82-68-8	Pentachloronitrobenzene (PCNB)			0.02
85-01-8	Phenanthrene	0.006		0.006
62-38-4	Phenyl mercuric acetate	**	**	**
	Phosphorodithioic acid, dimethylethyles	**	**	**
298-06-6	Phosphorodithioic acid, o-o-diethyl ester	**	**	**
3288-58-2	Phosphorodithioic acid, o-o-diethyl-s-methyl ester	**	**	**
2953-29-9	Phosphorodithioic acid, trimethyl ester	**	**	**
85-44-9	Phthalic anhydride	**	**	**
1336-36-3	Polychlorinated biphenyls	0.0005	0.04	
1120-71-4	Propane sultone, 1,3-	**	**	**
51-52-5	Propylthiouracil		7	

108-46-3	Resorcinol	0.1	7	
81-07-2	Saccharin and salts	**	**	**
94-59-7	Safrole			0.0021
7782-49-2	Selenium		5	
7440-22-4	Silver		0.3	
18883-66-4	Streptozotocin	**	**	**
57-24-9	Strychnine		3	
1746-01-6	TCDD, 2,3,7,8-	1E-008		
107-49-3	Tetraethyl pyrophosphate	**		**
62-55-5	Thioacetamide	1	**	1
39196-18-4	Thiofanox		3	
79-19-6	Thiosemicarbazide	**	**	**
62-56-6	Thiourea	**	**	**
137-26-8	Thiram	0.05	3	
7440-31-5	Tin	8	500	8
584-84-9	Toluene diisocyanate	**		**
95-80-7	Toluenediamine, 2,4-	0.013	1	0.013
95-53-4	Toluidine, o-	0.012		0.012
106-49-0	Toluidine, p-	0.017		0.017
8001-35-2	Toxaphene	0.0013	0.03	
75-70-7	Trichloromethanethiol	**	**	**
126-72-7	Tris (2,3-dibromopropyl) phosphate	0.025		0.025
52-24-4	Tris(1-azridinyl) phosphine sulfide	**	**	**
72-57-1	Trypan blue	**	**	**
66-75-1	Uracil mustard	**	**	**
75-01-4	Vinyl chloride			
81-81-2	Warfarin	0.05	3	

y Benchmark Option
 Wastewater Ion wastewater

Totals (mg/l)	Totals (mg/kg)	Leach (mg/l)
0.02		0.02
**	**	**
1	70	
		0.02
0.013		
0.01	0.1	0.01
0.008		0.008
**	**	**
0.05	1	
0.000034	0.0006	0.000034
**	**	**
		0.02
**	**	**
**	**	**
**	**	**
0.007		0.007
0.0005	0.3	0.0005
**	**	**
**	**	**
0.0025	0.042	0.0025
**	**	**
		0.000023
		0.0002
		0.0002
		0.0008
		0.000013
		0.0005
**	0.1	**
20	**	20
**	**	**
**	**	**
**	**	**
**	**	**
0.00004		**
**	**	**
**	**	**
**	**	**
**	**	**
0.1	**	0.1
**	**	**
		0.5
0.2	**	0.2
**	**	**

10		10
0.1	7	0.1
**	**	**
**	**	**
**	**	**
0.000058		
**	**	**
0.000081		
**	**	**
		0.001
		0.0002
		0.0002
0.01		0.01
		0.0002
0.00003	0.084	0.00003
		0.001
		0.00026
	0.12	0.0024
		0.0009
**	**	**
0.0078	1	0.0078
**	**	**
		0.01
0.0033	0.7	0.0033
0.00037	0.039	0.00037
**	**	**
	7	
0.04	3	0.04
0.05	3	0.05
**	**	**
	0.2	
0.1	**	**
**	**	**
	0.018	
**	**	0.00006
**	**	**
0.02	1	**
**	**	**
**	**	**
0.023		**
**	**	**
0.00004		
0.0016	0.072	0.0016
0.21	2	0.21
**	**	**
**	**	**
		0.000043
0.02	1	
0.016	0.097	0.016
**	**	**
**	**	**
**	**	**

		0.009
**	**	**
0.05	3	
**	**	**
**	**	**
0.01		0.01
**	**	**
0.01	0.046	0.01
**	**	**
**	**	**
**	**	**
**	**	**
**	**	**
0.05		0.05
0.05		0.05
		0.02
**	**	**
**	**	**
**	**	**
**	**	**
**	**	**
		0.01
		0.01
0.05	3	0.05
0.0058		
0.002	1	0.002
0.0006	0.074	0.0006
0.06		0.06
0.028	0.016	0.028
0.01	0.7	0.01
0.026		0.026
		0.05
**	**	**
**	**	**
**	**	**
**	**	**
0.0014	0.033	0.0014
0.0047		0.0047
**	**	**
**	**	**
**	**	**
3	200	3
	3	
		0.02
0.006		0.006
**	**	**
**	**	**
**	**	**
**	**	**
**	**	**
**	**	**
0.0005	0.04	0.0005
**	**	**

**	0.1	**	7	**	
**		**		**	0.0021
**		**	5	**	
**		**	0.3	**	
**		**	3	**	
1E-008				1E-008	
**		**		**	
	1	**			1
**		**	3	**	
**		**		**	
0.05			3		
8			500	8	
**		**		**	
0.013			1	0.013	
0.012				0.012	
0.017				0.017	
0.0013			0.03		
**		**		**	
0.025				0.025	
**		**		**	
**		**		**	
**		**		**	
0.00017				0.00017	
0.05			3		