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DRINKING WATER REGULATIONS AND HEALTH ADVISORIES

by

Office of Water
U.S. Environmental Protection Agency
Washington, D.C.
202-260-7571

SAFE DRINKING WATER HOTLINE
1-800-426-4791
Monday thru Friday, 8:30 AM to 5:00 PM EST

May 1993

AUG 2002
RECEIVED
RECORDS CENTER

ADMIN RECORD

SW-A-004540

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Drinking Water Standards and Health Advisories

Chemicals	Standards			Status HA	Health Advisories								Cancer Group
					10-kg Child			70-kg Adult					
	Status Reg.	MCLG (mg/l)	MCL (mg/l)		One-day (mg/l)	Ten-day (mg/l)	Longer-term (mg/l)	Longer-term (mg/l)	RfD (mg/kg/day)	DWEL (mg/l)	Lifetime (mg/l)	mg/l at 10^{-4} Cancer Risk	
Bromochloroacetonitrile	L	-	-	D	-	-	-	-	-	-	-	-	-
Bromochloromethane	-	-	-	F	50	1	1	5	0.013	0.5	0.09	-	-
Bromodichloromethane (THM)	*T*	*zero*	0.1*	D	7	7	4	13	0.02	0.7	-	0.06	B2
Bromoform (THM)	*T*	*zero*	0.1*	D	6	2	2	6	0.02	0.7	-	0.4	B2
Bromomethane	*T*	-	-	F	0.1	0.1	0.1	0.5	0.001	*0.04*	0.01	-	D
Butyl benzyl phthalate (PAE)	P	zero	0.1	-	-	-	-	-	0.2	6	-	-	C
Butylate	-	-	-	F	2	2	1	4	0.05	2	0.35	-	D
Butylbenzene n-	-	-	-	D	-	-	-	-	-	-	-	-	-
Butylbenzene sec-	-	-	-	D	-	-	-	-	-	-	-	-	-
Butylbenzene tert-	-	-	-	D	-	-	-	-	-	-	-	-	-
Carbaryl	-	-	-	F	1	1	1	1	0.1	4	0.7	-	D
Carbofuran	F	0.04	0.04	F	0.05	0.05	0.05	0.2	0.005	0.2	0.04	-	E
Carbon tetrachloride	F	zero	0.005	F	4	0.2	0.07	0.3	0.0007	0.03	-	0.03	B2
Carboxin	-	-	-	F	1	1	1	4	0.1	4	0.7	-	D
Chloral hydrate	*T*	*0.06*	-	D	7	1.4	0.2	0.6	0.0002	0.07	0.06	-	C
Chloramben	-	-	-	F	3	3	0.2	0.5	0.015	0.5	0.1	-	D
Chlordane	F	zero	0.002	F	0.06	0.06	-	-	0.00006	0.002	-	0.003	B2
Chlorodibromomethane (THM)	*T*	*zero*	0.1*	D	7	7	2	8	0.02	0.7	0.06	-	C
Chloroethane	L	-	-	D	-	-	-	-	-	-	-	-	-
Chloroform (THM)	*T*	*zero*	0.1*	D	4	4	0.1	0.4	0.01	0.4	-	0.6	B2
Chloromethane	L	-	-	F	9	0.4	0.4	1	0.004	0.1	0.003	-	C
Chlorophenol (2-)	-	-	-	D	0.05	0.05	0.05	0.2	0.005	0.2	0.04	-	D
p-Chlorophenyl methyl sulfide/sulfone/sulfoxide	-	-	-	**	-	-	-	-	-	-	-	-	D
Chloropicrin	L	-	-	-	-	-	-	-	-	-	-	-	-
Chlorothalonil	-	-	-	F	0.2	0.2	0.2	0.5	0.015	0.5	-	0.15	B2
Chlorotoluene o-	L	-	-	F	2	2	2	7	0.02	0.7	0.1	-	D
Chlorotoluene p-	L	-	-	F	2	2	2	7.	0.02	0.7	0.1	-	D
Chlorpyrifos	-	-	-	D	0.03	0.03	0.03	0.1	0.003	0.1	0.02	-	D
Chrysene (PAH)	P	zero	0.0002	-	-	-	-	-	-	-	-	-	B2
Cyanazine	*T*	*0.001*	-	F	0.1	0.1	0.02	0.07	0.002	0.07	0.001	-	C

* *Current MCL* NOTE: Chrysene was proposed in second option.

** A HA will not be developed due to insufficient data; a "Database Deficiency Report has been published.

Appendix X—Continued

TABLE A.—MODELED OR EXTRAPOLATED RISK-BASED EXIT LEVELS

CAS No.	Name	MCL benchmark option			Toxicity benchmark option		
		Wastewater	Nonwastewater		Wastewater	Nonwastewater	
		Totals (mg/l)	Totals (mg/kg)	Leach (mg/l)	Totals (mg/l)	Totals (mg/kg)	Leach (mg/l)
75-15-0	Carbon disulfide	0.74	330	6	0.74	330	6
353-50-4	Carbon oxyfluoride	(1)	(1)	(1)	(1)	(1)	(1)
56-23-5	Carbon tetrachloride	0.012	9	0.012	0.012	9	0.0016
75-87-6	Chloral	(1)	(1)	(1)	(1)	(1)	(1)
305-03-3	Chlorambucil	(1)	(1)	(1)	(1)	(1)	(1)
57-74-9	Chlordane	(1)	0.0098	0.036	(1)	0.0098	0.00016
494-03-1	Chlornaphazin	(1)	(1)	(1)	(1)	(1)	(1)
126-99-8	Chloro-1,3-butadiene, 2-(Chloroprene)	0.52	290	.....	0.52	290	.....
107-20-0	Chloroacetaldehyde	(1)	(1)	(1)	(1)	(1)	(1)
106-47-8	Chloroaniline, p-	0.42	140	0.16	0.42	140	0.16
108-90-7	Chlorobenzene	0.68	2500	0.19	2	2500	1
510-15-6	Chlorobenzilate	0.054	7	0.0057	0.054	7	0.0057
124-48-1	Chlorodibromomethane	0.0066	28	0.0018	0.0066	28	0.0018
75-00-3	Chloroethane (ethyl chloride)	0.024	31	0.012	0.023	31	0.015
110-75-8	Chloroethyl vinyl ether, 2-	(1)	140	(1)	(1)	140	(1)
67-66-3	Chloroform	0.0076	7	0.017	0.0076	7	0.017
59-50-7	Chloro-m-cresol, p-	0.27	140	0.033	0.081	140	0.032
107-30-2	Chloromethyl methyl ether	(1)	31	(1)	(1)	31	(1)
91-58-7	Chloronaphthalene, 2-	0.27	140	0.033	0.081	140	0.032
95-57-9	Chlorophenol, 2-	0.9	100	0.32	0.9	100	0.32
7005-72-3	Chlorophenyl phenyl ether, 4-	0.024	31	0.012	0.023	31	0.015
5344-82-1	Chlorophenyl thiourea, 1-0-	(1)	(1)	(1)	(1)	(1)	(1)
542-76-7	Chloropropionitrile, 3-	0.27	140	(1)	(1)	140	(1)
7440-47-3	Chromium	0.62	10	0.24	1	10	0.48
218-01-9	Chrysene	0.1	35	0.0012	0.1	35	0.0012
6358-53-8	Citrus red No. 2	(1)	(1)	(1)	(1)	(1)	(1)
7440-48-4	Cobalt	0.62	9	(1)	1	9	(1)
7440-50-8	Copper	670	6	1100	670	6	1100
108-39-4	Cresol, m-	8	22000	3	8	22000	3
95-48-7	Cresol, o-	8	27000	3	8	27000	3
106-44-5	Cresol, p-	0.84	2600	0.32	0.84	2600	0.32
4170-30-3	Crotonaldehyde	8	1200	6	8	1200	6
57-12-5	Cyanide	(1)	20	(1)	(1)	20	(1)
14901-08-7	Cycasin	(1)	(1)	(1)	(1)	(1)	(1)
108-94-1	Cyclohexanone	(1)	(1)	(1)	(1)	(1)	(1)
131-89-5	Cyclohexyl-4,6-dinitrophenol, 2-	(1)	(1)	(1)	(1)	(1)	(1)
50-18-0	Cyclophosphamide	(1)	(1)	(1)	(1)	(1)	(1)
20830-81-3	Daunomycin	(1)	(1)	(1)	(1)	(1)	(1)
72-54-8	DDD	0.00013	0.0065	2800	0.00013	0.0065	2800
53-19-0	DDD (o,p')	(1)	(1)	(1)	(1)	(1)	(1)
72-55-9	DDE	(1)	0.00094	0.000062	(1)	0.00094	0.00062
3424-82-6	DDE (o,p')	(1)	(1)	(1)	(1)	(1)	(1)
50-29-3	DDT	(1)	0.0032	0.0054	(1)	0.0032	0.0054
789-02-6	DDT (o,p')	(1)	(1)	(1)	(1)	(1)	(1)
2303-16-4	Diallate	0.26	1	0.46	0.26	1	0.46
132-64-9	Dibenzofuran	8	27000	2	8	27000	3
192-64-9	Dibenzo[a,e]pyrene	0.0029	4	0.0012	0.0029	4	(1)
189-64-0	Dibenzo[a,h]pyrene	0.0029	4	0.0012	0.0029	4	(1)
189-55-9	Dibenzo[a,i]pyrene	0.0029	4	0.0012	0.0029	4	(1)
194-59-2	Dibenzo[c,g]carbazole, 7H-	(1)	4	(1)	(1)	4	(1)
226-36-8	Dibenz(a,h)acridine	0.0029	4	0.0012	0.0029	4	(1)
53-70-3	Dibenz(a,h)anthracene	(1)	(1)	(1)	(1)	(1)	(1)
224-42-0	Dibenz[a,j]acridine	0.0029	4	0.0012	0.0029	4	(1)
96-12-8	Dibromo-3-chloropropane, 1,2-	0.0022	0.66	0.00038	0.00066	0.66	(1)
764-41-0	Dichloro-2-butene, 1,4-	0.024	31	0.012	0.023	31	0.016
110-57-6	Dichloro-2-butene, trans-1,4-	0.024	31	0.012	0.023	31	0.015

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