

**TIER II VALUES CALCULATED
USING THE GREAT LAKES BASIN METHODOLOGIES AT 327 IAC 2-1.5-12-14**

CAS Number	Substance	Acute Aquatic Life (µg/L)	Date¹	Chronic Aquatic Life (µg/L)	Date¹	Human Health Cancer (µg/L)	Date¹	Human Health Noncancer (µg/L)	Date¹	Wildlife (µg/L)	Date¹
83329	Acenaphthene	140	8/17/00	27	8/17/00			1,200 (D) 4,200 (ND)	3/20/00		
75070	Acetaldehyde ^C	1200	8/18/00	130	8/18/00						
67641	Acetone			1,700	8/17/00						
107028	Acrolein	0.85	8/18/00	0.19	8/18/00						
107131	Acrylonitrile ^C	570	3/11/14	63	3/11/14						
15972608	Alachlor	190	8/21/00	21	8/21/00						
309002	Aldrin ^{C,BCC}	0.15	8/21/00	0.035	8/21/00	2.4 x 10 ⁻⁶ (D) 2.4 x 10 ⁻⁶ (ND)	3/23/00	8.2 x 10 ⁻⁵ (D) 8.2 x 10 ⁻⁵ (ND)	4/4/00		
7429905	Aluminum							970 (D) 4,500 (ND)	3/23/00		
120127	Anthracene	6.1	8/22/00	0.68	8/22/00			590 (D) 630 (ND)	3/23/00		
7440360	Antimony	720	8/22/00	80	8/22/00						

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1912249	Atrazine							920 (D) 15,000 (ND)	3/12/14		
7440393	Barium	$e^{1.0629(\ln(\text{hardness}))+2.2354}$	12/4/04	$e^{1.0629(\ln(\text{hardness}))+1.1869}$	12/4/04						
71432	Benzene ^C	880	8/22/00	98	8/22/00						
92875	Benzidine ^C	14	8/22/00	1.5	8/22/00						
7440417	Beryllium ^C	$e^{(1.6839*(\ln(\text{hardness}))-2.9672)}$	05/22/15	$e^{(1.6839*(\ln(\text{hardness}))-5.8575)}$	05/22/15						
117817	Bis (2-ethylhexyl) phthalate (DEHP) ^C					2.5 (D) 2.8 (ND)	4/3/00	54 (D) 60 (ND)	4/3/00		
75252	Bromoform ^C	1,100	8/23/00	61	8/23/00						
78933	2-Butanone	120,000	8/23/00	14,000	8/23/00						
56235	Carbon Tetrachloride	360	10/4/00	40	10/4/00						
67663	Chloroform ^C	1300	10/05/00	170	10/05/00						
7440484	Cobalt	120	1/12/01	19	1/12/01						
21725462	Cyanazine	2,400	3/29/01	270	3/29/01						
94757	2,4-D	2,500	2/8/01	240	2/8/01						

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50293	DDT ^{C,BCC}			0.032	5/16/01						
132649	Dibenzofuran	65	5/16/01	7.3	5/16/01						
84742	Dibutyl Phthalate	34	3/17/14	19	3/17/14			31 (D) 31 (ND)	4/13/00		
95501	1,2-Dichlorobenzene	130	4/24/01	14	4/24/01						
541731	1,3-Dichlorobenzene	310	4/25/01	52	4/25/01						
106467	1,4-Dichlorobenzene	80	4/25/01	16	4/25/01						
75343	1,1-Dichloroethane	6,600	6/26/01	740	6/26/01			1,100 (D) 27,000 (ND)	4/17/00		
107062	1,2-Dichloroethane ^C	7,300	3/17/14	980	3/17/14						
75354	1,1-Dichloroethylene	1,900	4/24/01	210	4/24/01						
156592	1,2- <i>cis</i> -Dichloroethylene	5,500	6/26/01	620	6/26/01						
156605	1,2- <i>trans</i> -Dichloroethylene	5,000	9/19/01	560	9/19/01						
120832	2,4-Dichlorophenol	120	4/06/01	17	4/06/01						
542756	1,3-Dichloropropene ^C	17	4/25/01	1.9	4/25/01						
105679	2,4-Dimethylphenol	140	4/02/01	21	4/02/01						

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131113	Dimethyl Phthalate	2,800	4/3/01	1,000	4/3/01						
122667	1,2-Diphenylhydrazine ^C	9.6	4/25/01	1.1	4/25/01						
115297	Endosulfan							85 (D) 170 (ND)	3/19/14		
72208	Endrin ^{BCC}							0.19 (D) 0.19 (ND)	3/18/14		
100414	Ethylbenzene	1,000	5/16/01	110	5/16/01						
107211	Ethylene Glycol	2,200,000	5/16/01	240,000	5/16/01					73,000	3/15/99
206440	Fluoranthene	17	4/11/01	3.6	4/11/01			9.4 (D) 9.5 (ND)	3/20/14		
86737	Fluorene	22	3/20/14	2.4	3/20/14			250 (D) 320 (ND)	3/20/14		
50000	Formaldehyde ^C	660	5/16/01	74	5/16/01						
76-44-8	Heptachlor					0.0016 (D) 0.0016 (ND)	3/7/00	0.29 (D) 0.29 (ND)	9/18/00		
87-68-3	Hexachlorobutadiene ^{C,BCC}					0.22 (D) 0.24 (ND)	12/8/99				
319-84-6	Alpha-Hexachloro-cyclohexane ^{C,BCC}					0.015 (D) 0.027 (ND)	3/20/14				

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319-85-7	beta-Hexachloro cyclohexane ^{C,BCC}					0.093 (D) 0.18 (ND)	3/9/00				
608-73-1	Hexachloro-cyclohexane ^{C,BCC}					0.093 (D) 0.18 (ND)	3/9/00				
78591	Isophorone	7,500	5/16/01	830	5/16/01						
7439965	Manganese	$e^{0.8784(\ln(\text{hardness})+2.992)}$	4/06/01	$e^{0.8784(\ln(\text{hardness})+2.226)}$	4/06/01						
67561	Methanol	3,000	7/17/01	330	7/17/01						
72435	Methoxychlor							6.3 (D) 6.6 (ND)	1/17/14		
74895	Methylamine	7,700	4/12/99	860	4/12/99						
75092	Methylene Chloride ^C	14,000	7/17/01	1,500	7/17/01						
95487	2-Methylphenol	600	5/15/01	67	5/15/01						
106445	4-Methylphenol	480	5/15/01	53	5/15/01						
1634044	Methyl <i>tert</i> -Butyl Ether	6500	9/18/01	730	9/18/01						
7439987	Molybdenum	7200	9/18/01	800	9/18/01						
91203	Naphthalene	200	9/18/01	26	9/18/01						
98953	Nitrobenzene	1,000	9/18/01	220	9/18/01						
88755	2-Nitrophenol	650	5/15/01	73	5/15/01						

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100027	4-Nitrophenol	530	4/14/99	58	4/14/99						
86306	<i>N</i> -Nitrosodiphenylamine ^C	220	9/19/01	25	9/19/01						
608935	Pentachlorobenzene ^{BCC}	16	12/7/99	3.1	12/7/99						
85018	Phenanthrene	8.4	9/19/01	0.93	9/19/01						
108952	Phenol			180	5/22/02			2,000 (D) 2,300 (ND)	9/14/00		
57556	Propylene Glycol	700,000	9/19/01	78,000	9/19/01					900,000	3/15/99
129000	Pyrene							15 (D) 15 (ND)	9/15/00		
7440224	Silver			0.058	1/5/09						
122349	Simazine	80	9/19/01	9	9/19/01						
7440246	Strontium			21,000	4/29/13						
95943	1,2,4,5-Tetrachlorobenzene ^{BCC}	75	12/16/99	8.3	12/16/99						
127184	Tetrachloroethylene ^C	480	9/19/01	60	9/19/01						
7440280	Thallium	47	11/23/15	13	11/23/15						
108883	Toluene	840	9/20/01	94	9/20/01						
56359	Tributyltin Oxide							3.3 (D) 5.4 (ND)	4/7/14		

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71556	1,1,1-Trichloroethane	3,700	6/01/01	410	6/01/01						
79005	1,1,2-Trichloroethane	490	7/17/01	87	7/17/01						
79345	1,1,2,2-Tetrachloroethane ^C	900	6/01/01	100	6/01/01	1.6 (D) 17 (ND)	4/7/14				
79016	Trichloroethylene ^C	2,300	9/21/01	260	9/21/01						
95954	2,4,5-Trichlorophenol	17	9/25/01	1.9	9/25/01			1,300 (D) 2,500 (ND)	4/7/14		
88062	2,4,6-Trichlorophenol ^C	12	9/25/01	1.4	9/25/01						
7440622	Vanadium	79	4/26/11	27	4/26/11						
75014	Vinyl Chloride ^C	8,400	6/26/01	930	6/26/01						
1330207	Xylene	310	9/21/01	35	9/21/01						

¹Reflects the latest revisions to the fact sheet

Where:

(D) = for drinking water sources

(ND) = for nondrinking water sources

C = substance is considered to be carcinogenic

BCC = Bioaccumulative Chemical of Concern (listed in 327 IAC 2-1.5-6(b))

All Tier II values are subject to change as more data become available.

Criteria for metals in this table are in the form of total metal. Aquatic life criteria shall be expressed in the form of dissolved metal by multiplying the total metal criterion by the conversion factor. Metals without conversion factors listed in the rules or otherwise derived by EPA are assumed to have a conversion factor of 1.0.

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