

Table 2. Priority Pollutant Water Quality Criteria

Priority Pollutant	CAS Number	Freshwater		Human Health for the consumption of			FR Cite/ Source	
		CMC (acute) (µg/L)	CCC (chronic) (µg/L)	Water + Organism		Organism Only		
				(µg/L)		(µg/L)		
1,1,2,2-Tetrachloroethane	79345			0.162	B,C	<del>22.19E+00</del>	B,C	65FR66443
1,1,2-Trichloroethane	79005			<del>0.535.73E-01</del>	B,C	<del>5.98.53E+00</del>	B,C	65FR66443
1,1-Dichloroethylene	75354			<del>3003.21E+02</del>		3,910		68FR75510
				<del>0.0482.48E+0</del>		<del>0.053.84E+01</del>		
1,2,4-Trichlorobenzene	120821			<del>1</del>				68FR75510
1,2-Dichlorobenzene	95501			333		708		68FR75510
1,2-Dichloroethane	107062			0.377	B,C	20	B,C	65FR66443
1,2-Dichloropropane	78875			0.49	B,C	7.96	B,C	65FR66443
1,2-Diphenylhydrazine	122667			0.0313	B,C	0.1	B,C	65FR66443
				<del>1001.37E+02</del>		<del>3,0005.54E+0</del>		
1,2-Trans-Dichloroethylene	156605				Z	<del>3</del>		68FR75510
1,3-Dichlorobenzene	541731			<del>62.48E+02</del>		<del>105.27E+02</del>		65FR66443
1,3-Dichloropropene	542756			<del>0.263.40E-01</del>	C	<del>7.81.15E+01</del>	C	68FR75510
1,4-Dichlorobenzene	106467			49.6		105		68FR75510
2,3,7,8-TCDD (Dioxin)	1746016			2.77E-09	C	2.80E-09	C	65FR66443
2,4,6-Trichlorophenol	88062			0.936	B,C	1.33	B,C,U	65FR66443
2,4-Dichlorophenol	120832			<del>106.36E+01</del>	B,U	<del>401.61E+02</del>	B,U	65FR66443
2,4-Dimethylphenol	105679			<del>1002.80E+02</del>	B	466	B,U	65FR66443
2,4-Dinitrophenol	51285			<del>106.84E+01</del>	B	<del>2002.92E+03</del>	B	65FR66443
				<del>0.0481.06E-01</del>		<del>1.11.85E+00</del>		
2,4-Dinitrotoluene	121142			<del>01</del>	C		C	65FR66443
2-Chloronaphthalene	91587			<del>6006.62E+02</del>	B	<del>8008.66E+02</del>	B	65FR66443
2-Chlorophenol	95578			<del>305.57E+01</del>	B,U	81.6	B,U	65FR66443
2-Methyl-4,6-Dinitrophenol	534521			<del>21.25E+01</del>		<del>201.55E+02</del>		65FR66443
3,3'-Dichlorobenzidine	91941			0.013	B,C	0.0156	B,C	65FR66443
4,4'-DDD	72548			<del>0.0000831.7</del>	B,C	<del>0.0000831.70</del>	B,C	65FR66443

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4,4'-DDE	72559			<del>0E-04</del> <del>1.20E-04</del> <del>0.0000124</del>	<del>E-04</del> <del>0.0000121.20</del> <del>E-04</del>	65FR66443
4,4'-DDT	50293	1.10E+00	G,ii	1.00E-03	G,aa,ii	65FR31682, 65FR66443
Acenaphthene	83329			<del>0.000021.20E-04</del> <del>504.31E+02</del>	<del>0.000021.20E-04</del> <del>605.42E+02</del>	65FR66443
Acrolein	107028			<del>31.23E+02</del>	159	65FR66443
Acrylonitrile	107131			0.044	0.135	65FR66443
Aldrin	309002	3.00E+00	G	<del>0.000000512</del> <del>72E-05</del>	<del>0.000000512</del> <del>76E-05</del>	65FR31682
alpha-BHC	319846			<del>0.000251.80E-03</del>	<del>0.000262.67E-03</del>	65FR66443
alpha-Endosulfan	959988	2.20E-01	G,Y	5.60E-02	G,Y	65FR31682, 65FR66443
Anthracene	120127			<del>103.95E+01</del> <del>2007.09E+03</del>	<del>204.86E+01</del> <del>2002.19E+04</del>	65FR66443
Antimony	7440360			<del>5.35.51E+00</del>	350	65FR66443
Arsenic	7440382	3.40E+02	A,D,K	1.50E+02	A,D,K	65FR31682
Asbestos	1332214			0.0117	0.0284	57FR60848
Benzene	71432			<del>0.575.87E-01</del>	7.65	65FR66443
Benzidine	92875			0.0000634	0.000109	65FR66443
Benzo(a) Anthracene	56553			<del>0.000863.24E-03</del>	<del>0.000889.99E-03</del>	65FR66443
Benzo(a) Pyrene	50328			<del>0.0000863.24E-03</del> <del>4E-03</del>	<del>0.0000889.99E-03</del> <del>E-03</del>	65FR66443
Benzo(k) Fluoranthene	207089			<del>0.00863.24E-03</del> <del>03</del>	<del>0.00889.99E-03</del> <del>03</del>	65FR66443
beta-BHC	319857			0.0063	0.00935	65FR66443
beta-Endosulfan	33213659	2.20E-01	G,Y	5.60E-02	G,Y	65FR31682,

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				(µg/L)		(µg/L)		
				<del>203.95E+01</del>		<del>304.86E+01</del>		65FR66443
Bis(2-Chloroethyl) Ether	111444			0.0287	B,C	0.288	B,C	65FR66443
<del>Bis(2-Chloro-1-Methylethylisopropyl) Ether</del>	<del>108601</del>			1,350		<del>3,0003.54E+0</del>		
<del>Bis(2-Ethylhexyl) PhthalateX</del>	<del>117817</del>			<del>0.238.12E-01</del>	C	<del>0.251.20E+00</del>	B,C	65FR66443
Bromoform	75252			4.8	C	73.8	B,C	65FR66443
<del>Butylbenzyl PhthalateW</del>	<del>85687</del>			<del>0.079.18E+02</del>	B	<del>0.071.06E+03</del>	B	65FR66443
Cadmium	7440439	2.00E+00	D,E,K,bb	2.50E-01	D,E,K,bb			EPA-822-R-01-001 EPA-820-R-12-007 (April 2012)
Carbaryl	63-25-2	2.1		2.1				
Carbon Tetrachloride	56235			0.207	B,C	0.897	B,C	65FR66443
<del>Chlordane</del>	<del>57749</del>	<del>2.40E+00</del>	<del>G</del>	<del>4.30E-03</del>	<del>G,aa</del>	<del>0.000214.41E-04</del>	<del>B,C</del>	<del>65FR31682,</del> <del>65FR66443</del>
<del>Chlorobenzene</del>	<del>108907</del>			<del>1001.20E+02</del>	<del>Z,U</del>	<del>6008.50E+02</del>	<del>U</del>	<del>68FR75510</del>
Chlorodibromomethane	124481			0.393	B,C	6.94	B,C	65FR66443
Chloroform	67663			5.41	C,P	95.6	C,P	62FR42160
Chromium (III)	16065831	5.70E+02	D,E,K	7.40E+01	D,E,K			EPA820/B-96-001
Chromium (VI)	18540299	1.60E+01	D,K	1.10E+01	D,K			65FR31682
Chrysene	218019			0.00324	B,C	0.00999	B,C	65FR66443
Copper	7440508	1.30E+01	D, E,K,cc	9.00E+00	D, E,K,cc		U	65FR31682
<del>Cyanide</del>	<del>57125</del>	<del>2.20E+01</del>	<del>K,Q</del>	<del>5.20E+00</del>	<del>K,Q</del>	<del>41.38E+02</del>	<del>jj</del>	<del>EPA820/B-96-001,</del> <del>57FR60848</del>
<del>Dibenzo(a,h)Anthracene</del>	<del>53703</del>			<del>0.0000863.2</del>		<del>0.0000889.99</del>		
<del>Dichlorobromomethane</del>	<del>75274</del>			<del>4E-03</del>	<del>B,C</del>	<del>E-03</del>	<del>B,C</del>	<del>65FR66443</del>
<del>Dieldrin</del>	<del>60571</del>	<del>2.40E-01</del>	<del>K</del>	<del>5.60E-02</del>	<del>K,O</del>	<del>0.533</del>	<del>B,C</del>	<del>65FR66443</del> <del>65FR31682,</del> <del>65FR66443</del>

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Diethyl PhthalateW	84662			<del>4001.29E+04</del>	B	<del>4002.40E+04</del>	B	65FR66443
Dimethyl PhthalateW	131113			<del>1,0002.22E+0</del>		<del>1,0006.08E+0</del>		65FR66443
Di-n-Butyl PhthalateW	84742			<del>201.44E+03</del>	B	<del>202.46E+03</del>	B	65FR66443
Endosulfan Sulfate	1031078			<del>203.95E+01</del>	B	<del>304.86E+01</del>	B	65FR66443 65FR31682,
Endrin	72208	8.60E-02	K	3.60E-02	K,O	<del>0.023.25E-02</del>	<del>0.023.31E-02</del>	68FR75510
Endrin Aldehyde	7421934			0.0163	B	0.165	B,H	65FR66443
Ethylbenzene	100414			<del>544.38E+02</del>		<del>841.17E+03</del>		68FR75510
Fluoranthene	206440			<del>107.22E+01</del>	B	<del>107.61E+01</del>	B	65FR66443
Fluorene	86737			<del>409.46E+02</del>	B	<del>502.92E+03</del>	B	65FR66443
gamma-BHC (Lindane)	58899	9.50E-01	K			0.682	1.01	65FR31682, 68FR75510
Heptachlor	76448	5.20E-01	G	3.80E-03	G,aa	<del>0.00000394.</del>	<del>0.00000394.3</del>	65FR31682,
				<del>32E-05</del>	B,C	<del>4E-05</del>	B,C	65FR66443
Heptachlor Epoxide	1024573	5.20E-01	G,V	3.80E-03	G,V,aa	0.0000213	0.0000215	65FR31682, 65FR66443
Hexachlorobenzene	118741			<del>0.0000531.5</del>		<del>6E-04</del>	<del>0.0000531.57</del>	
				<del>6E-04</del>	B,C	<del>E-04</del>	B,C	65FR66443
Hexachlorobutadiene	87683			<del>0.0064.30E-</del>		<del>01</del>	<del>0.0061.01E+0</del>	
				<del>01</del>	B,C	<del>1</del>	B,C	65FR66443
Hexachlorocyclopentadiene	77474			<del>23.93E+01</del>	U	<del>36.05E+02</del>	U	68FR75510
Hexachloroethane	67721			<del>0.081.05E+00</del>	B,C	<del>0.091.80E+00</del>	B,C	65FR66443
Ideno(1,2,3-cd)Pyrene	193395			<del>0.000863.24E</del>		<del>9.99E-</del>	<del>030.00088</del>	
				<del>-03</del>	B,C	<del>030.00088</del>	B,C	65FR66443
Isophorone	78591			<del>343.44E+01</del>	B,C	526	B,C	65FR66443

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Lead	7439921	6.50E+01	D,E,bb,gg	2.50E+00	D,E,bb,gg			65FR31682		
Mercury	7439976	1.40E+00	D,K,hh	7.70E-01	D,K,hh			62FR42160		
Methyl Bromide	74839					46.2	B	817	B	65FR66443
<del>Methyl Chloride</del>	<del>74873</del>									<del>65FR31682</del>
Methylene Chloride	75092					4.6	B,C	324	B,C	65FR66443
Methylmercury (mg/kg)	22967926							0.16	J	EPA823-R-01-001
Nickel	7440020	4.70E+02	D,E,K	5.20E+01	D,E,K	400	B	931	B	65FR31682
Nitrobenzene	98953					<del>101.67E+01</del>	B	378	B,H,U	65FR66443
N-Nitrosodimethylamine	62759					<del>0.000656.86E-04</del>	B,C	1.65	B,C	65FR66443
N-Nitrosodi-n-Propylamine	621647					<del>0.00474.91E-03</del>	B,C	0.277	B,C	65FR66443
N-Nitrosodiphenylamine	86306					2.25	B,C	3.28	B,C	65FR66443
Pentachlorophenol	87865	1.90E+01	F,K	1.50E+01	F,K	<del>0.022.48E-01</del>	B,C	<del>0.021.66E+00</del>	B,C	65FR31682, 65FR66443
Phenol	108952					<del>4.0002.05E+04</del>	B,U	<del>200,000938,000</del>	B,U	65FR66443
Polychlorinated Biphenyls (PCBs)				1.40E-02	N, aa	0.000035	B,C,N	0.000035 <del>3.51E-05</del>	B,C,N	65FR31682, 65FR66443
Pyrene	129000					<del>207.09E+02</del>	B	<del>202.19E+03</del>	B	65FR66443
Selenium	7782492		L,R,T	5.00E+00	T	<del>1601.63E+02</del>	Z	2,280		62FR42160, 65FR31682
Silver	7440224	3.20E+00	D,E,G							65FR31682
Tetrachloroethylene	127184					0.591	C	1.8	C	65FR66443
Thallium	7440280					0.167		0.256		68FR75510
Toluene	108883					<del>541.20E+03</del>	Z	<del>3508.18E+03</del>		68FR75510

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Toxaphene	8001352	7.30E-01	2.00E-04	aa	0.000151	B,C	0.000152	B,C	65FR31682, 65FR66443	
Trichloroethylene	79016				<del>0.62-37E+00</del>	C	<del>51.64E+01</del>	C	65FR66443	
Vinyl Chloride	75014				<del>0.0222-45E-02</del>	C,kk	<del>1.11-34</del>	C,kk	68FR75510	
Zinc	7440666	1.20E+02	D,E,K	1.20E+02	D,E,K	5,990	U	14,000	U	65FR31682