

ATTACHMENT A

Connecticut Numeric Water Quality Criteria Revisions Approved by EPA 2011¹

Chemical Constituent	CASRN	Aquatic Life				Human Health	
		Freshwater		Saltwater		Consumption of:	
		Acute	Chronic	Acute	Chronic	Organisms Only	Water & Organisms
Antimony	7440360					4300 640	6 5.6
Arsenic (Tri) (total)	7440382						
Cadmium	7440439	2.02 1.0	1.35 0.125	42 40	9.3 8.8		
Cyanide (HCN + CN ⁻) (Total)	57125					220,000 140	200 140
Mercury (Dissolved) (Total)	7439976						
Selenium (Dissolved) (Total)	7782492					11,000 4,200	
Silver	7440224			1.96 1.9			
Thallium	7440280					6.3 0.47	1.7 0.24
Zinc	7440666					68,740 26,000	9,100 7,400
Acrolein	107028	NC ² 3	NC 3			780 9	320 6
Acrylonitrile	107131					0.66 0.25	0.059 0.051
Benzene	71432					71 51	
Bromoform	75252					360 140	
Carbon Tetrachloride	56235					4.4 1.6	0.25-0.23
Chlorobenzene	108907					21,000 1600	
Chlorodibromomethane	124481					34 13	0.41 0.40
Dichlorobromomethane	75274					46 17	0.56 0.55
1,2-dichloroethane	107062					99 37	
1,2 T-Dichloroethylene	156605					140,000 10,000	
1,2-Dichloropropane	78875					39 15	0.52 0.50
1,3-Dichloropropylene	54256					1,700 21	10 0.34
Ethylbenzene	100414					29,000 2,100	700 530
Methyl Bromide	74839					4,000 1,500	48 47
Methylene Chloride	75092					1,600 590	4.7 4.6
1,1,2,2-Tetrachloroethane	79345					11 4	
Tetrachlorethylene	127184					8.85 3.3	0.8 0.69
Toluene	108883					200,000 15,000	
1,1,2-Trichloroethane	79005					42 16	0.6 0.59
Trichloroethylene	79016					81 30	2.7 2.5
Vinyl Chloride	75014					525 2.4	2 0.025
2-Chlorophenol	95578					400 150	120 81
2,4-Dichlorophenol	120832					790 290	93 77
2,4-Dimethylphenol	105679					NC 850	NC 380
2-Methyl-4,6-dinitrophenol	534521					765 280	13.4 13
2,4-Dinitrophenol	51285					14,000 5,300	70 69
Pentachlorophenol	87865					8.2 3.0	0.28 0.27

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Phenol	108952					4,600,000 860,000	21,000 10,000
2,4,6-Trichlorophenol	88062					6.5 2.4	2.1 1.4
Benzidine	92875					0.00054 0.00020	0.00012 0.000086
Benzo(a)anthracene	56553					0.49 0.018	0.044 0.0038
Benzo(a)pyrene	50328					0.049 0.018	0.0044 0.0038
Benzo(b)fluoranthene	205992					0.49 0.018	0.044 0.0038
Benzo(k)fluoranthene	207089					0.49 0.018	0.044 0.0038
Bis(2-chloroethyl)ether	111444					1.4 0.53	0.031 0.030
Bis(2-chloroisopropyl)ether	108601					170,000 65,000	
Bis(2-ethylhexyl)phthalate	117817					5.9 2.2	1.8 1.2
Butyl benzyl phthalate	85687					5,200 1900	3,000 1500
2-Chloronaphthylene	91587					4,300 1,600	1,700 1,000
Chrysene	218019					4.92 0.018	0.44 0.0038
1,2-Dichlorobenzene	95501					17,000 1,300	2,700 420
1,3-Dichlorobenzene	541731					2,300 960	400 320
1,4-Dichlorobenzene	106467					2,600 190	400 63
3,3'-Dichlorobenzidine	91941					0.077 0.028	0.04 0.021
Diethyl phthalate	84662					120,000 44,000	23,000 17,000
Dimethyl Phthalate	131113					2,900,000 1,100,000	313,000 270,000
Di-n-butyl Phthalate	84742					12,000 4,500	2,700 2,000
2,4-dinitrotoluene	121142					9.1 3.4	
1,2-Diphenylhydrazine	122667					0.54 0.2	0.04 0.036
Hexachlorobenzene	118741					0.00077 0.00029	0.00075 0.00028
Hexachlorobutadiene	87683					50 18	
Hexachlorocyclopentadiene	77474					17,000 1100	50 40
Hexachloroethane	67721					8.9 3.3	1.9 1.4
Indeno(1,2,3-cd) pyrene	193395					0.49 0.018	0.044 0.0038
Isophorone	78591					2,600 960	36 35
Nitrobenzene	98953					1,900 690	
N-Nitrosodimethylamine	62759					8.1 3	
N-Nitrosodi-N-propylamine	621647					1.4 0.51	
N-Nitrosodiphenylamine	86306					16 6.0	5 3.3
1,2,4-Trichlorobenzene	120821					940 70	70 35
Aldrin	309002					0.00014 0.00005	0.00013 0.000049
Chlordane	57749					0.0022 0.00081	0.0021 0.0008
DDT	50293					0.00059 0.00022	0.00059 0.00022

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DDD	72548					0.00084 0.00031	0.00083 0.00031
DDE	72559					0.00059 0.00022	0.00059 0.00022
Dieldrin	60571					0.00014 0.000054	0.00014 0.000052
Endosulfan Alpha	959988					240 89	110 62
Endosulfan Beta	33213659					240 89	110 62
Endosulfan Sulfate	1031078					240 89	110 62
Endrin	72208					0.81 0.060	0.76 0.059
Endrin Aldehyde	7421934					0.81 0.30	0.76 0.29
Heptachlor	76448					0.00021 0.000079	0.00021 0.000079
Heptachlor epoxide	1024573					0.00011 0.000039	0.00010 0.000039
Hexachlorocyclohexane alpha	319846					0.013 0.0049	0.0039 0.0026
Hexachlorocyclohexane beta	319857					0.046 0.017	0.014 0.0091
Polychlorinated Biphenyls						0.00017 0.000064	0.00017 0.000064
Toxaphene	8001352					0.00075 0.00028	0.00073 0.00028
Aluminum	7429905	NC 750	NC 87				
Chloride	16887006	NC 860,000	NC 230,000				

NOTES:

¹ All units in micrograms per liter (ug/L)

² NC = no previous criteria