

**Technical Supporting Information for Proposed Revisions to the Connecticut Water Quality Standards:
Ambient Water Quality Criteria
Appendix D: Proposed Human Health Based Criteria (ug/L) for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value ¹	Source of Toxicity Value ²	Bioconcentration Factor (BCF)	Source of BCF ³	Octanol Water Partition Coefficient ⁴	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Inorganic Substances									
Aluminum	0.3	RfD oral	MRL w/ Mod	1.25	BCFWIN		1	2074.074074	168000
Ammonia	0.02	RfD oral	MRL w/ Mod	1.25	BCFWIN		1	138.2716049	11200
Antimony	0.0004	RfD oral	IRIS	1	EPA 2002		1	2.772277228	280
Arsenic	1.5	CSF oral	IRIS	44	EPA 2002		1	0.016203704	0.053030303
Barium	0.2	RfD oral	IRIS	1.25	BCFWIN		1	1382.716049	112000
Beryllium	0.0002	RfD oral	IRIS w/ Mod	19	EPA 2002		1	1.176470588	7.368421053
Boron	0.2	RfD oral	IRIS	1.25	BCFWIN		1	1382.716049	112000
Cadmium	0.00002	RfD oral	MRL w/ Mod	1.25	BCFWIN		1	0.138271605	11.2
Chlorine	0.1	RfD oral	IRIS	1.25	BCFWIN		1	691.3580247	56000
Chromium, hexavalent	0.79	CSForal	USEPA/OPPTS	16	EPA 2002		1	0.038192929	0.276898734
Chromium, trivalent	1.5	RfD oral	IRIS	16	EPA 2002		1	9051.724138	65625
Cobalt	0.0003	RfD oral	MRL oral w/ Mod	1.25	BCFWIN		1	2.074074074	168
Copper	0.01	RfD oral	MRL oral	36	EPA 2002		1	51.47058824	194.4444444
Cyanide	0.02	RfD oral	IRIS	1	EPA 2002		1	138.6138614	14000
Lead				1.25	BCFWIN		1		

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Lithium	0.002	RfD oral	DPH Risk A.	1.25	BCFWIN		1	13.82716049	1120
Manganese	0.07	RfD oral	ATSDR ESADDI	1.25	BCFWIN		1	483.9506173	39200
Mercury - inorganic ⁵	0.0003	RfD oral	IRIS	7342.6	EPA 2002		100	0.000285963	0.000286002
Nickel	0.002	RfD oral	IRIS w/ Mod	47	EPA 2002		1	9.523809524	29.78723404
Nitrate	1.6	RfD oral	IRIS	1.25	BCFWIN		1	11061.7284	896000
Radium				1.25	BCFWIN		1		
Selenium	0.005	RfD oral	IRIS	4.8	EPA 2002		1	33.39694656	729.1666667
Silver	0.005	RfD oral	IRIS	0.5	EPA 2002		1	34.82587065	7000
Thallium	0.00008	RfD oral	IRIS	116	EPA 2002		1	0.259259259	0.482758621
Tin	0.01	RfD oral	DPH Risk A.	39.47	BCFWIN		1	50.19000502	177.349886
Uranium	0.003	RfD oral	IRIS	1.25	BCFWIN		1	20.74074074	1680
Vanadium	0.001	RfD oral	EPA Provisional	15.31	BCFWIN		1	6.070592316	45.72175049
Zinc	0.3	RfD oral	IRIS	47	EPA 2002		1	1428.571429	4468.085106
Volatile Organic Substances									
Acetone	0.9	RfD oral	IRIS	1.25	BCFWIN	-0.24	1	6222.222222	504000
Acetonitrile	0.005	RfD oral	IRIS w/ Mod	1.25	BCFWIN	-0.34	1	34.56790123	2800
Acrolein	0.00005	RfD oral	IRIS w/ Mod	215	EPA 2002	-0.01	1	0.111111111	0.162790698
Acrylonitrile	0.54	CSF oral	IRIS	30	EPA 2002	0.25	1	0.04985755	0.216049383

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Benzene	0.1	CSF oral	Cal-OEHHA	5.2	EPA 2002	2.13	1	0.33269962	6.730769231
Bromo-dichloromethane	0.062	CSF oral	IRIS	3.75	EPA 2002	2	1	0.544111932	15.05376344
Bromomethane	0.0005	RfD oral	PPRTV w/ Mod	3.75	EPA 2002	1.19	1	3.373493976	93.33333333
Butanone, 2-	0.6	RfD oral	IRIS	1.25	BCFWIN	0.29	1	4148.148148	336000
Butylbenzene, n-			No Tox Value	185.72	BCFWIN	4.38	1.1		
Butylbenzene, sec-			No Tox Value	260.13	BCFWIN	4.57	1.3		
Butylbenzene, t-			No Tox Value	115.07	BCFWIN	4.11	1.1		
Carbon disulfide	0.1	RfD oral	IRIS	2.46	BCFWIN		1	683.1934413	28455.28455
Carbon Tetrachloride	0.13	CSF oral	IRIS	18.75	EPA 2002	2.83	1	0.226720648	1.435897436
Chlorobenzene	0.02	RfD oral	IRIS	10.3	EPA 2002	2.84	1	126.9265639	1359.223301
Chloroethane	0.0026	RfD oral	IRIS w/ Mod	0.99	BCFWIN	1.43	1	13.32957566	1359.75136
Chloroform	0.001	RfD oral	IRIS w/ Mod	3.75	EPA 2002	1.97	1	6.746987952	186.6666667
Chloromethane - Error in WQS Table	0.0047	CSForal	Cal/OEHHA	3.75	EPA 2002	0.91	1	31.71084337	877.3333333
Chloronapthalene, 2-	0.08	RfD oral	IRIS	202	EPA 2002	3.9	1	185.4304636	277.2277228
Chlorotoluene, 2-	0.002	RfD oral	IRIS w/ Mod	33.86	BCFWIN	3.42	1	10.45868818	41.3467218
Chlorotoluene, 4-	0.002	RfD oral	IRIS w/ Mod	73.13	BCFWIN	3.33	1	8.086409057	19.14399015
Cyclohexane	1.7	RfD oral	IRIS	35.08	BCFWIN	3.44	1	8809.594314	33922.46294
Dibenzofuran			No Tox Value	117.16	BCFWIN	4.12	1.1		

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Dichlorobenzene, 1,2-	0.09	RfD oral	IRIS	55.6	EPA 2002	3.43	1	404.8843188	1133.093525
Dichlorobenzene, 1,3-	0.001	RfD oral	MRL w/ Mod	55.6	EPA 2002	3.53	1	4.498714653	12.58992806
Dichlorobenzene, 1,4-	0.024	CSForal	HEAST	55.6	EPA 2002	3.44	1	0.937232219	2.622901679
Dichlorobutene, 1,4-			No Tox Value	10.9	BCFWIN	2.78	1		
Dichlorodifluoromethane	0.05	RfD oral	HEAST	3.63	BCFWIN	2.16	1	337.7400367	9641.873278
Dichloroethane, 1,1-	0.01	RfD oral	HEAST w/ Mod	1.88	BCFWIN	1.79	1	68.70828426	3723.404255
Dichloroethane, 1,2-	0.091	CSF oral	IRIS	1.2	EPA 2002	1.48	1	0.380054728	32.05128205
Dichloroethene, 1,2-	0.01	RfD oral	HEAST	2.73	BCFWIN	2	1	68.1397839	2564.102564
Dichloroethylene, 1,1-	0.005	RfD oral	IRIS w/ Mod	5.6	EPA 2002	2.13	1	33.14393939	625
Dichloroethylene, cis-1,2-	0.01	RfD oral	EPA Provisional	1.58	Dichloroethylene	1.86	1	68.91120299	4430.379747
Dichloroethylene, trans-1,2-	0.01	RfD oral	EPA Provisional	1.58	EPA 2002	2.09	1	68.91120299	4430.379747
Dichloropropane, 1,2-	0.036	CSF oral	Cal-OEHHA	4.1	EPA 2002	1.98	1	0.933931049	23.71273713
Dichloropropene, 1,3-	0.1	CSF oral	IRIS	1.9	EPA 2002	2.04	1	0.343473994	18.42105263
Ethyl acetate	0.9	RfD oral	IRIS	1.25	BCFWIN	0.73	1	6222.222222	504000
Ethylbenzene	0.01	RfD oral	IRIS w/ Mod	37.5	EPA 2002	3.15	1	50.90909091	186.6666667
Ethylene dibromide	2	CSF oral	IRIS	2.54	BCFWIN	1.96	1	0.017066511	0.688976378
Hexane, n-	0.02	RfD oral	IRIS w/ Mod	79.3	BCFWIN	3.9	1	78.08142777	176.5447667
Isopropylbenzene	0.1	RfD oral	IRIS	51.83	BCFWIN	3.66	1	461.0419548	1350.569168

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Isopropyltoluene, 4-	0.03	RfD oral	DPH Risk A.	113.05	BCFWIN	4.1	1.1	93.60165809	168.8713763
Methyl isobutyl ketone	0.08	RfD	HEAST	0.8	BCFWIN	1.31	1	555.5555556	70000
Methyl methacrylate	0.14	RfD oral	IRIS w/ Mod	0.91	BCFWIN	1.38	1	971.162422	107692.3077
Methyl tert butyl ether	0.01	RfD oral	DPH Risk A.	1.25	BCFWIN	0.94	1	69.13580247	5600
Methylene chloride	0.0075	CSF oral	IRIS	0.9	EPA 2002	1.25	1	4.625041295	518.5185185
Methylnaphthalene, 2-	0.004	RfD oral	IRIS w/ Mod	73.89	BCFWIN w/ lipid adjustment	3.86	1	16.10213353	37.89416701
Nitrobenzene	0.0005	RfD oral	IRIS	2.89	EPA 2002	1.85	1	3.401691126	121.1072664
Nitrophenol, 2-			No Tox Value	2.33	EPA 2002	1.79	1		
Propylbenzene, n-			No Tox Value	54.67	BCFWIN	3.69	1		
Pyridine	0.0003	RfD oral	IRIS w/ Mod	1.25	BCFWIN	0.65	1	2.074074074	168
Styrene	0.02	RfD oral	MRL int w/ Mod	14.72	BCFWIN	2.95	1	122.0362622	951.0869565
Tetrachloroethane, 1,1,1,2-	0.026	CSF oral	IRIS	14.2	BCFWIN	2.93	1	1.178768692	9.479956663
Tetrachloroethane, 1,1,2,2-	0.2	CSF oral	IRIS	5	EPA 2002	2.39	1	0.166666667	3.5
Tetrachloroethylene	0.54	CSF oral	Cal-OEHHA	30.6	EPA 2002	3.4	1	0.049628495	0.21181312
Tetrahydrofuran	0.0076	CSF oral	EPA Provisional	1.25	BCFWIN	0.46	1	4.548408057	368.4210526
Toluene	0.0067	RfD oral	MRL int w/ Mod	10.7	EPA 2002	2.73	1	42.366757	438.317757
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3	RfD oral	IRIS w/ Mod	21.36	BCFWIN	3.16	1	17303.88926	98314.60674
Trichlorobenzene, 1,2,4-	0.0036	CSF oral	Cal-OEHHA	114	EPA 2002	4.02	1.1	4.313319531	7.752968279

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Trichloroethane, 1,1,1,-	0.076	RfD oral	CalPHG	5.6	EPA 2002	2.49	1	503.7878788	9500
Trichloroethane, 1,1,2-	0.057	CSF oral	IRIS	4.5	EPA 2002	1.89	1	0.587593385	13.64522417
Trichloroethylene	0.089	CSF oral	EPA Draft RA 2001	10.6	EPA 2002	2.42	1	0.355568198	3.70998516
Trichlorofluoromethane	0.3	RfD oral	IRIS	6.99	BCFWIN	2.53	1	1962.800262	30042.91845
Trimethylbenzene, 1,2,4-	0.05	RfD oral	EPA Provisional	49.14	BCFWIN	3.63	1	234.6788253	712.2507123
Trimethylbenzene, 1,3,5-	0.05	RfD oral	EPA Provisional	34.65	BCFWIN	3.42	1	259.93316	1010.10101
Vinyl acetate	0.02	RfD oral	IRIS w/ Mod	1.25	BCFWIN	0.73	1	138.2716049	11200
Vinyl chloride	1.5	CSF oral	IRIS	1.17	EPA 2002	1.62	1	0.02306349	1.994301994
Xylenes	0.2	RfD oral	IRIS	21.36	BCFWIN	3.16	1	1153.592617	6554.307116
Semivolatile Organic Substances									
Acenaphthene	0.06	RfD oral	IRIS	242	EPA 2002	3.92	1	122.8070175	173.553719
Acenaphthylene	0.06	RfD oral	IRIS	30	EPA 2002	3.94	1	323.0769231	1400
Aniline	0.0057	CSF oral	IRIS	1.25	BCFWIN	0.9	1	6.064544076	491.2280702
Anthracene	0.3	RfD oral	IRIS	30	EPA 2002	4.45	1.2	1544.117647	5833.333333
Asbestos	1332214	0.23	IRIS						
Benzidine	230	CSF oral	IRIS	87.5	EPA 2002	1.34	1	8.11594E-05	0.000173913
Benzo(a)anthracene	1.1	CSF oral	IRIS - BaP TEF	30	EPA 2002	5.76	33	0.002919099	0.003213958
Benzo(a)pyrene	7.3	CSF oral	IRIS	30	EPA 2002	6.13	75	0.000204022	0.00021309

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Benzo(b)fluoranthene	1.22	CSF oral	IRIS - BaP TEF	30	EPA 2002	5.78	33	0.002631975	0.002897831
Benzo(g,h,i)perylene	0.073	CSF oral	IRIS - BaP TEF	30	EPA 2002	6.63	100	0.015466195	0.015981735
Benzo(k)fluoranthene	0.4	CSF oral	IRIS - BaP TEF	30	EPA 2002	6.11	75	0.003723404	0.003888889
Benzoic Acid	4	RfD oral	IRIS	1.25	BCFWIN	1.87	1	27654.32099	2240000
Bis(2-chloroethoxy)methane		---	---	0.64	EPA 2002	1.3	1	0	0
Bis(2-chloroethyl)ether	2.5	CSF oral	Cal-OEHHA	6.9	EPA 2002	1.29	1	0.013096352	0.202898551
Bis(2-chloroisopropyl)ether	0.07	CSF oral	HEAST	2.47		2.48	1	0.487947692	20.24291498
Bis(2-ethylhexyl)phthalate	0.014	CSF oral	IRIS	130	EPA 2002	7.6	100	0.019083969	0.019230769
Bromoform	0.008	CSF oral	IRIS	3.75	EPA 2002	2.4	1	4.21686747	116.6666667
Bromophenyl-phenylether, 4-			No Tox Value	1640	EPA 2002	4.94	2		
Butylbenzyl phthalate	0.02	RfD oral	IRIS w/ Mod	414	EPA 2002	4.73	1.4	20.60035315	24.15458937
Carbazole	0.02	CSF oral	HEAST	57.63	BCFWIN	3.72	1	1.11019476	3.036612875
Chloroaniline, 4-	0.054	CSF oral	EPA Region 3	2.02	BCFWIN	1.83	1	0.635314789	32.08654199
Chlorophenol, 2-	0.005	RfD oral	IRIS	134	EPA 2002	2.15	1	14.95726496	26.11940299
Chlorophenol, 3-methyl-4			No Tox Value	19.2	BCFWIN	3.1	1		
Chlorophenyl-phenylether, 4-			No Tox Value	1200	EPA 2002	4.7	1.4		
Chrysene	0.032	CSF oral	IRIS - BaP TEF	30	EPA 2002	5.81	33	0.100344037	0.110479798
Cresol, m-	0.017	RfD oral	IRIS w/ Mod	2.54	BCFWIN	1.96	1	116.0522723	4685.03937

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Dibenzo(a,h)anthracene	8.1	CSF oral	IRIS - BaP TEF	30	EPA 2002	6.75	100	0.000139387	0.000144033
Dibromo-3-chloropropane, 1,2-	7	CSF oral	Cal-OEHHA	14.98	BCFWIN	2.96	1	0.004348582	0.033377837
Dibromochloromethane	0.084	CSF oral	IRIS	3.75	EPA 2002	2.16	1	0.401606426	11.11111111
Dichlorobenzidine, 3,3'-	0.45	CSF oral	IRIS	312	EPA 2002	3.51	1	0.018878101	0.024928775
Dichlorophenol, 2,4-	0.001	RfD oral	IRIS w/ Mod	40.7	EPA 2002	3.06	1	4.975124378	17.1990172
Dichlorotrifluoroethane			No Tox Value	0			1		
Diethyl phthalate	0.08	RfD oral	IRIS w/ Mod	73	EPA 2002	2.42	1	323.699422	767.1232877
Dimethyl phthalate	0.08	RfD oral	IRIS w/ Mod	36	EPA 2002	1.6	1	411.7647059	1555.555556
Dimethylphenol, 2,4-	0.02	RfD oral	IRIS	93.8	EPA 2002	2.3	1	72.23942208	149.2537313
Di-n-butyl phthalate	0.01	RfD oral	IRIS w/ Mod	89	EPA 2002	4.5	1.2	33.84912959	65.54307116
Dinitrophenol, 2,4-	0.0002	RfD oral	IRIS w/ Mod	1.5	EPA 2002	1.67	1	1.379310345	93.33333333
Dinitrophenol, 2-methyl-4,6-	0.0004	RfD oral	MRL w/ Mod	5.5	EPA 2002	2.12	1	2.654028436	50.90909091
Dinitrotoluene, 2,4-	0.68	CSF oral	IRIS	3.8	EPA 2002	1.98	1	0.049586309	1.354489164
Dinitrotoluene, 2,6-	0.68	CSF oral	IRIS	3.8	Based on 2,4 Dinitrotoluene	2.1	1	0.049586309	1.354489164
Di-n-octyl phthalate	0.01	RfD oral	MRL w/ Mod	25.08	BCFWIN	8.1	100	2.68404908	2.791068581
Dioxane, 1,4-	0.003	RfD oral	DPH Risk A.	1.25	BCFWIN	-0.27	1	20.74074074	1680
Dioxin	130000	CSForal	Cal-OEHHA	5000	EPA 2002	6.8	100	5.38354E-11	5.38462E-11
Diphenylhydrazine, 1,2-	0.8	CSF oral	IRIS	24.9	EPA 2002	2.94	1	0.035028022	0.175702811

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Ethanol	0.067	RfD oral	DPH Risk A.	1.25	BCFWIN	-0.31	1	463.2098765	37520
Ethylene glycol	2	RfD oral	IRIS	1.25	BCFWIN	-1.36	1	13827.16049	1120000
Fluoranthene	0.04	RfD oral	IRIS	1150	EPA 2002	5.16	4.3	5.550049554	5.662285137
Fluorene	0.04	RfD oral	IRIS	30	EPA 2002	4.18	1.1	210.5263158	848.4848485
Formaldehyde	0.02	RfD oral	IRIS w/ Mod	1.25	BCFWIN	0.35	1	138.2716049	11200
Hexachlorobenzene	1.6	CSF oral	IRIS	8690	EPA 2002	5.73	33	7.62541E-06	7.62806E-06
Hexachlorobutadiene	0.078	CSF oral	IRIS	2.78	EPA 2002	4.78	1.5	0.430755447	10.76062227
Hexachloroethane	0.014	CSF oral	IRIS	86.9	EPA 2002	4.14	1.1	1.278183956	2.615336332
Indeno(1,2,3-c,d)pyrene	0.73	CSF oral	IRIS - BaP TEF	30	EPA 2002	6.7	100	0.00154662	0.001598174
Isophorone	0.00095	CSF oral	IRIS	4.38	EPA 2002	1.7	1	35.29613457	841.1439558
Isopropanol	0.33	RfD oral	DPH Risk A.	1.25	BCFWIN	17.1	100	1026.666667	1848
Methanol	0.15	RfD oral	IRIS w/ Mod	1.25	BCFWIN	-0.77	1	1037.037037	84000
Methylphenol, 2-	0.003	RfD oral	ATSDR w/ Mod	2.5	BCFWIN	1.95	1	20.48780488	840
Methylphenol, 4-	0.003	RfD oral	ATSDR w/ Mod	2.46	BCFWIN	1.94	1	20.49580324	853.6585366
Naphthalene	0.002	RfD oral	IRIS w/ Mod	10.5	EPA 2002	3.3	1	12.66968326	133.3333333
Nitroaniline, 2-	0.021	CSF oral	EPA Provisional	2.09	BCFWIN	1.85	1	1.632546446	79.74481659
Nitroaniline, 3-	0.021	CSF oral	EPA Provisional	0.89	BCFWIN	1.37	1	1.651964185	187.2659176
Nitroaniline, 4-	0.021	CSF oral	EPA Provisional	0.93	BCFWIN	1.39	1	1.651309488	179.2114695

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Nitrosodimethylamine, N-	16	CSF oral	Cal-OEHHA	0.026	EPA 2002	-0.57	1	0.002186931	8.413461538
NitrosoDi-n-propylamine, N-	7	CSF oral	IRIS	1.13	EPA 2002	1.36	1	0.004944131	0.442477876
Nitrosodiphenylamine, N-	0.0049	CSF oral	IRIS	136	EPA 2002	3.13	1	3.026634383	5.25210084
Pentachloronitrobenzene	0.001	RfD oral	IRIS w/ Mod	294.51	BCFWIN	4.64	1.3	1.449686557	1.828330238
Pentachlorophenol	0.12	CSF oral	IRIS	11	EPA 2002	5.12	3.2	0.215729783	0.828598485
Phenanthrene	0.05	RfD oral	IRIS	30	Benzo(a)pyrene	4.46	1.2	257.3529412	972.2222222
Phenol	0.03	RfD oral	IRIS w/ Mod	1.4	EPA 2002	1.46	1	207.1005917	15000
Polychlorinated terphenyls			No Tox Value	0			1		
Propylene glycol	0.5	RfD oral	EPA Provisional	1.25	BCFWIN	-0.92	1	3456.790123	280000
Pyrene	0.03	RfD oral	IRIS	30	EPA 2002	4.88	2	131.25	350
Sodium acetate			No Tox Value	1.25	BCFWIN	-3.72	1		
Tert-butyl alcohol	0.017	RfD oral	DPH Risk A.	1.25	BCFWIN	0.35	1	117.5308642	9520
Tetrachlorobenzene, 1,2,4,5-	0.0003	RfD oral	IRIS	1125	EPA 2002	4.64	1.3	0.1344	0.143589744
Trichlorophenol, 2,4,5-	0.01	RfD oral	IRIS w/ Mod	110	EPA 2002	3.72	1	33.33333333	63.63636364
Trichlorophenol, 2,4,6-	0.07	CSF oral	Cal-OEHHA	150	EPA 2002	3.69	1	0.2	0.333333333
Pesticides & PCBs									
Polychlorinated biphenyls	2	CSF oral	IRIS	31200	EPA 2002	7.1	100	5.60879E-07	5.60897E-07
Alachlor	0.056	CSF oral	Cal-OEHHA	40.42	BCFWIN	3.52	1	0.445093292	1.546264226

ChemName	Toxicity Value	Type of Toxicity Value ¹	Source of Toxicity Value ²	Bioconcentration Factor (BCF)	Source of BCF ³	Octanol Water Partition Coefficient ⁴	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Aldicarb	0.001	RfD oral	IRIS	0.58	BCFWIN	1.13	1	6.959634122	1206.896552
Aldrin	17	CSF oral	IRIS	4670	EPA 2002	6.5	100	4.40767E-07	4.40862E-07
Atrazine	1.00E-04	RfD oral	MRL w/ Mod	3.855	BCFWIN	2.61	1	0.674016658	18.15823606
Chlordane	0.35	CSF oral	IRIS	14100	EPA 2002	6.26	84	8.44238E-06	8.44309E-06
D, 2,4-	0.001	RfD oral	IRIS w/ Mod	1.25	BCFWIN	2.81	1	6.913580247	560
DDD, 4,4-	0.24	CSF oral	IRIS	53600	EPA 2002	6.02	67	4.06074E-06	4.06085E-06
DDE, 4,4-	0.34	CSF oral	IRIS	53600	EPA 2002	6.51	100	1.92051E-06	1.92054E-06
DDT, 4,4-	0.34	CSF oral	IRIS	53600	EPA 2002	6.91	100	1.92051E-06	1.92054E-06
Dicamba	0.03	RfD oral	IRIS	1.25	BCFWIN	2.21	1	207.4074074	16800
Dichloroprop	0.0036	RfD oral	DPH Risk A.	1.25	BCFWIN	3.43	1	24.88888889	2016
Dieldrin	16	CSF oral	IRIS	4670	EPA 2002	5.4	8	5.83956E-06	5.85519E-06
Endosulfan	0.0002	RfD oral	Mod from IRIS	270	EPA 2002	3.83	1	0.378378378	0.518518519
Endosulfan I	0.0002	RfD oral	Mod from IRIS	270	EPA 2002		1	0.378378378	0.518518519
Endosulfan II	0.0002	RfD oral	Mod from IRIS	270	EPA 2002		1	0.378378378	0.518518519
Endosulfan sulfate	0.0002	RfD oral	Mod from IRIS	270	EPA 2002	3.66	1	0.378378378	0.518518519
Endrin	0.0003	RfD oral	IRIS	3970	EPA 2002	5.2	4.3	0.012229923	0.012301564
Endrin aldehyde	0.0003	RfD oral	IRIS	3970	EPA 2002	4.8	1.5	0.034682081	0.035264484
Endrin ketone	0.0003	RfD oral	IRIS	3970	Based on Endrin		1	0.051597052	0.052896725

ChemName	Toxicity Value	Type of Toxicity Value ¹	Source of Toxicity Value ²	Bioconcentration Factor (BCF)	Source of BCF ³	Octanol Water Partition Coefficient ⁴	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Heptachlor	4.5	CSF oral	IRIS	11200	EPA 2002	6.1	75	9.25816E-07	9.25926E-07
Heptachlor epoxide	9.1	CSF oral	IRIS	11200	EPA 2002	4.98	2.6	1.31627E-05	1.32079E-05
Hexachlorocyclohexane, alpha	6.3	CSF oral	IRIS	130	EPA 2002	3.8	1	0.002415459	0.004273504
Hexachlorocyclohexane, beta-	1.8	CSF oral	IRIS	130	EPA 2002	3.78	1	0.008454106	0.014957265
Hexachlorocyclohexane, delta-	1.8	CSF oral	IRIS	130	EPA 2002	4.14	1.1	0.008001829	0.013597514
Hexachlorocyclopentadiene	0.006	RfD oral	IRIS	4.34	EPA 2002	5.04	2.6	37.74127458	372.2084367
Lindane	1.1	CSF oral	Cal-OEHHA	130	EPA 2002	3.72	1	0.013833992	0.024475524
Methoxychlor	0.0005	RfD oral	ATSDR w/ Mod	642.63	BCFWIN	5.08	3.2	0.162306345	0.170199026
Simazine	0.0005	RfD oral	IRIS w/ Mod	1.8	BCFWIN	2.18	1		
Toxaphene	1.1	CSF oral	IRIS	13100	EPA 2002	5.9	47	5.16697E-06	5.16781E-06
Radioactive									
Alpha particles				0			1		
Beta Particles				0			1		