Washington Proposed HHC vs. Oregon Adopted HHC

GENERAL NOTES:
All criteria values are expressed as ug/L unless noted otherwise
Red Font indicates Carcinogen
NC = No Criterion
Oregon Criteria generally calculated using a FCR = 175 g/day, BW = 70kg, DI = 2 L/day, and Risk = 10^{-6}. See Oregon Criteria (online at http://www.deq.state.or.us/wq/standards/toxics.htm) for additional details.

FOOTNOTES:
*Fish tissue concentration

	Freshwater		Marine	
Chemical Name	**Washington (Proposed)**	**Oregon**	**Washington (Proposed)**	**Oregon**
1,1,2,2-Tetrachloroethane	0.17	0.12	4.6	0.40
1,1,2-Trichloroethane	0.60	0.44	18	1.6
1,1-Dichloroethylene	0.057	230	3.2	710
1,2,4,5-Tetrachlorobenzene	NC	0.11	NC	0.11
1,2,4-Trichlorobenzene	36	6.4	40	7.0
1,2-Dichlorobenzene	614	110	740	130
1,2-Dichloroethane	0.38	0.35	42	3.7
1,2-Dichloropropane	4.4	0.38	17	1.5
1,2-Diphenylhydrazine	0.040	0.014	0.23	0.020
1,2-Trans-Dichloroethylene	703	120	5,787	1,000
1,3-Dichlorobenzene	91	80	110	96
1,3-Dichloropropene	10	0.30	72	2.1
1,4-Dichlorobenzene	91	16	110	19
2,3,7,8-TCDD (Dioxin)	0.000000013	0.00000000051	0.000000014	0.00000000051
2,4,5-TP	NC	10	NC	NC
2,4,5-Trichlorophenol	NC	330	NC	360
2,4,6-Trichlorophenol	2.1	0.23	2.8	0.24
2,4-D	NC	10	NC	NC
2,4-Dichlorophenol	26	23	34	29
2,4-Dimethylphenol	87	76	97	85
2,4-Dinitrophenol	70	62	610	530
2,4-Dinitrotoluene	0.11	0.084	3.9	0.34
2-Chloronaphthalene	171	150	181	160
2-Chlorophenol	16	14	17	15
2-Methyl-4,6-Dinitrophenol	11	9.2	32	28
3,3'-Dichlorobenzidine	0.031	0.0027	0.033	0.0028
4,4'-DDD	0.00036	0.000031	0.00036	0.000031
4,4'-DDE	0.00025	0.000022	0.00025	0.000022
4,4'-DDT	0.00025	0.000022	0.00025	0.000022
Acenaphthene	108	95	113	99
Acrolein	1.0	0.88	1.1	0.93
Acrylonitrile	0.059	0.018	0.28	0.025
Aldrin	0.000057	0.0000050	0.000058	0.0000050
alpha-BHC	0.0039	0.00045	0.0056	0.00049

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alpha-Endosulfan	0.93	8.5	2.0	8.9
Anthracene	3,310	2,900	4,571	4,000
Antimony	14	5.1	183	64
Arsenic	10	2.1	10	2.1
Asbestos	7,000,000 fibers/L	7,000,000 fibers/L	NC	NC
Barium	NC	1,000	NC	NC
Benzene	1.2	0.44	59	1.4
Benzidine	0.00012	0.000018	0.00023	0.000020
Benzo(a)Anthracene	0.0028	0.0013	0.021	0.0018
Benzo(a)Pyrene	0.0028	0.0013	0.021	0.0018
Benzo(b)Fluoranthene	0.0028	0.0013	0.021	0.0018
Benzo(k)Fluoranthene	0.0028	0.0013	0.021	0.0018
beta-BHC	0.014	0.0016	0.020	0.0017
beta-Endosulfan	0.93	8.5	2.0	8.9
Bis(2-Chloroethyl)Ether	0.031	0.020	0.60	0.050
Bis(2-Chloroisopropyl) Ether	1,316	1,200	7,403	6,500
Bis(2-Ethylhexyl) Phthalate	1.8	0.20	2.5	0.22
Bromoform	4.3	3.3	154	14
Butylbenzyl Phthalate	215	190	221	190
Carbon Tetrachloride	0.25	0.10	1.9	0.16
Chlordane	0.00057	0.000081	0.00059	0.000081
Chlorobenzene	421	74	888	160
Chlorodibromomethane	0.41	0.31	15	1.3
Chloroform	5.7	260	470	1,100
Chloromethyl ether, bis	NC	0.000024	NC	0.000029
Chrysene	0.0028	0.0013	0.021	0.0018
Copper	1,300	1,300	NC	NC
Cyanide	700	130	9,143	130
Dibenzo (a,h) Anthracene	0.0028	0.0013	0.021	0.0018
Dichlorobromomethane	0.27	0.42	20	1.7
Dieldrin	0.000061	0.0000053	0.000061	0.0000054
Diethyl Phthalate	4,332	3,800	5,010	4,400
Dimethyl Phthalate	96,386	84,000	126,984	110,000
Di-n-Butyl Phthalate	455	400	514	450
Dinitrophenols	NC	62	NC	530
Endosulfan Sulfate	0.93	8.5	2.0	8.9
Endrin	0.034	0.024	0.035	0.024
Endrin Aldehyde	0.034	0.030	0.035	0.030
Ethylbenzene	934	160	1,219	210
Fluoranthene	16	14	16	14
Fluorene	441	390	610	530
gamma-BHC (Lindane)	0.019	0.17	0.063	0.18

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Chemical Name	**Washington (Proposed)**	**Oregon**	**Washington (Proposed)**	**Oregon**
Heptachlor	0.000091	0.0000079	0.000091	0.0000079
Heptachlor Epoxide	0.000045	0.0000039	0.000045	0.0000039
Hexachlorobenzene	0.00033	0.000029	0.00033	0.000029
Hexachlorobutadiene	0.44	0.36	21	1.8
Hexachlorocyclo-hexane, technical	NC	0.0014	NC	0.0015
Hexachloro-cyclopentadiene	174	30	632	110
Hexachloroethane	1.9	0.29	3.8	0.33
Indeno (1,2,3-cd) Pyrene	0.0028	0.0013	0.021	0.0018
Isophorone	8.4	27	600	96
Manganese	NC	NC	NC	100
Methoxychlor	NC	100	NC	NC
Methyl Bromide	42	37	171	150
Methylene Chloride	4.7	4.3	677	59
Methylmercury	NC	NC	NC	0.040 mg/kg*
Nickel	156	140	195	170
Nitrates	NC	10,000	NC	NC
Nitrobenzene	16	14	79	69
Nitrosamines	NC	0.00079	NC	0.046
N-Nitrosodibutylamine	NC	0.0050	NC	0.022
N-Nitrosodiethylamine	NC	0.00079	NC	0.046
N-Nitrosodimethylamine	0.00069	0.00068	3.4	0.30
N-Nitrosodi-n-Propylamine	0.052	0.0046	0.58	0.051
N-Nitrosodiphenylamine	5.0	0.55	6.9	0.60
N-Nitrosopyrrolidine	NC	0.016	NC	3.4
Pentachlorobenzene	NC	0.15	NC	0.15
Pentachlorophenol	0.28	0.15	3.5	0.30
Phenol	10,690	9,400	97,959	86,000
Polychlorinated Biphenyls (PCBs)	0.00017	0.0000064	0.00017	0.0000064
Pyrene	331	290	457	400
Selenium	141	120	476	420
Tetrachloroethylene	0.80	0.24	3.8	0.33
Thallium	0.24	0.043	0.27	0.047
Toluene	4,132	720	8,545	1,500
Toxaphene	0.00032	0.000028	0.00032	0.000028
Trichloroethylene	2.7	1.4	34	3.0
Vinyl Chloride	0.26	0.023	2.8	0.24
Zinc	2,347	2,100	2,918	2,600