

SUBSubstance	SUBFreshWaterMAC	SUBFreshWaterAnnual
1,1,1-trichloroethane		100
1,1,2-Trichloroethane		400
1,2 Dichloroethane		10
2,4-Dichlorophenol	140	4.2
2,4-Dichlorophenoxyacetic acid (2,4-D) (95%ile)	1.3	0.3
2-Chlorophenol		50
3,4 - dichloroaniline	5.4	0.2
3-Chlorophenol + 4-chlorophenol (total or individual monochlorophenols)	250	50
4-chloro-3-methyl-phenol		40
Abamectin	0.03	0.01
Aclonifen	0.12	0.12
Alachlor	0.7	0.3
Ammonia ($\leq 50\text{mg/l CaCO}_3$ (90 %ile))		300
Ammonia (un-ionised)		
Ammonia $\text{CaCO}_3 > 50\text{mg/l}$ (90 %ile)		200
Ammonia $\text{CaCO}_3 \leq 50\text{mg/l}$ (90 %ile)		300
Anthracene	0.1	0.1
Arsenic		50
Atrazine	2	0.6
Azinphos methyl (dissolved)		0.01
Bentazone		500
Benzene	50	10
Benzo (b) fluoranthene	0.017	
Benzo (a) pyrene	0.27	
Benzo (g,h,i) perylene	0.0082	
Benzo (k) fluoranthene	0.017	
Benzyl Butyl phthalate	51	7.5
Bifenox (Methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate)	0.04	0.012
Biphenyl		25
Boron		2000
Brominated diphenylether - total PDPE (Polybrominated diphenylether, or congener) numbers 28, 47, 99, 100, 153 and 154	0.14	
Bromine	5	2
Bromoxynil	1000	100
Butylbenzyl phthalate	100	20
Cadmium and its compounds (dissolved, water hardness $< 40\text{ mg/l Ca CO}_3$)	0.45	0.08
Cadmium and its compounds (dissolved, water hardness $\geq 200\text{ mg/l CaCO}_3$)	1.5	0.25
Cadmium and its compounds (dissolved, water hardness $100 - < 200\text{ mg/l CaCO}_3$)	0.9	0.15
Cadmium and its compounds (dissolved, water hardness $40 - < 50\text{ mg/l CaCO}_3$)	0.46	0.09
Cadmium and its compounds (dissolved, water hardness $50 - < 100\text{ mg/l CaCO}_3$)	0.6	0.09
Carbendazim	0.7	0.15

Carbon tetrachloride		12
Chlorfenvinphos	0.3	0.1
Chloride		250000
Chlorine (95%ile concentration of total residual oxidant)	5	2
C10-13 Chloroalkanes	1.4	0.4
Chloronitrotoluenes		10
Chlorothalonil	1.2	0.035
Chlorotoluron	20	2
Chlorpropham	40	10
Chlorpyrifos (chlorpyrifos ethyl)	0.1	0.03
Chromium III (95%ile) (dissolved)	32	4.7
Chromium VI (95%ile) (dissolved)		3.4
Cobalt	100	3
Cobalt (dissolved)	100	3
Copper (dissolved, bioavailable)		1
Copper - dissolved (Dissolved Organic Carbon (DOC) less than or equal to 1mg/l)		
Copper - dissolved (Dissolved Organic Carbon (DOC) greater than 1mg/l)		
Coumaphos	0.1	0.01
Cyanide	5	1
Cybutryne	0.016	0.0025
Cyclodiene pesticides: Aldrin, Dieldrin, Endrin, Isodrin (Total)		0.01
Cyfluthrin	0.001	
Cypermethrin (95%ile)	0.0006	0.00008
DDT total		0.025
Demetons		0.5
Di(2-ethylhexyl)-phthalate (DEHP)		1.3
Diazinon (95%ile)	0.02	0.01
Dibutyl phthalate	40	8
Dichlorobenzene (total dichlorobenzene isomers)	200	20
Dichloromethane (DCM, Methylene Chloride)		20
Dichlorvos (insecticide)	0.0007	0.0006
Dicofol (insecticide)		0.0013
Diethyl phthalate	1000	200
Diflubenzuron	0.015	0.001
Dimethoate (95%ile)	4	0.48
Dimethyl phthalate	4000	800
Dioctyl phthalate	40	20
Diuron (herbicide)	1.8	0.2
Doramectin	0.01	0.001
EDTA	4000	400
Endosulfan	0.01	0.005
Fenchlorphos	0.1	0.01
Fenitrothion		0.01
Flocfuron	1	
Fluoranthene	0.12	0.0063
Fluoride (> 50mg/l CaCO3) (dissolved)	15000	5000

Fluoride ($\leq 50\text{mg/l CaCO}_3$) (dissolved)	3000	1000
Fluoride $>50\text{mg/l CaCO}_3$	15000	5000
Fluoride $\leq 50\text{mg/l CaCO}_3$	3000	1000
Formaldehyde	50	5
Glyphosate	398	196
Heptachlor & heptachlor epoxide	0.0003	0.0000002
Hexabromocyclododecane (HBCDD)	0.5	0.0016
Hexachlorobenzene	0.05	
Hexachlorobutadiene	0.6	
Hexachlorocyclohexane	0.04	0.02
Hydrogen sulphide	1	0.25
Indeno (1,2,3-cd) pyrene (see PAHs for AA and biota EQS)		
Ioxynil	100	10
Iron		1000
Iron (dissolved)		1000
Isoproturon	1	0.3
Ivermectin	0.001	0.0001
Lead and its compounds (dissolved)	14	1.2 (bioavailable)
Linuron (95%ile)	0.9	0.5
Lithium (I) cation	1050 (PNEC)	
Malachite green	100	0.5
Malathion		0.01
Mancozeb	20	2
Maneb	30	3
Manganese		123 (bioavailable)
MCPA (pH level less than 7)	80	12
MCPA (pH level higher than 7)	100	80
Mecoprop (95%ile)	187	18
Mercury and its compounds (dissolved)	0.07	
Methiocarb	0.77	0.01
Mevinphos	0.02	
Naphthalene	130	2
Nickel and its compounds (dissolved)	34	4 (bioavailable)
Nitrilotriacetic acid (NTA)	10,000	1,000
Nonyl phenol (4-Nonylphenol)	2	0.3
NTA	10000	1000
Octyl phenol ((4-(1,1',3,3',-tetramethylbutyl)-phenol))		0.1
Omethoate		0.01
para-para DDT		0.01
PCSDs	0.05	
Pendimethalin	0.58	0.3
Pentachlorobenzene		0.007
Pentachlorophenol	1	0.4
Perfluorooctane sulphonate and its salts (PFOS)	36	0.00065
Permethrin (95%ile)	0.01	0.001
Phenol (95%ile)	46	7.7
Pirimiphos-methyl	0.05	0.015
Pirmicarb	5	1

Polyaromatic hydrocarbons (PAH): Benzo (a)pyrene. Polyaromatic hydrocarbons (PAH) - Benzo(a)-pyrene (BaP), Benzo(b)-fluor-anthene, Benzo(k)-fluor-anthene, Benzo(g,h,i)-perylene and Indeno(1,2,3-cd)-pyrene. Benzo(a)pyrene can be considered as a marker for the other PAHs, hence only benzo(a)pyrene needs to be monitored for comparison with the biota EQS or the corresponding AA- EQS in water		0.00017
Prochloraz	40	4
Propetamphos	0.1	0.03
Propyzamide	1000	100
Quinoxifin	2.7	0.15
Silver	0.1	0.05
Silver (dissolved)	0.1	0.05
Simazine	4	1
Simazine (+ atrazine)	2	0.6
Styrene	500	50
Sulcophuron	25	
Sulphate		400000
Tecnazene (total)	10	1
Terbutryn	0.34	0.062
Tetrachloroethane	1848	140
Tetrachloroethylene		10
Thiabendazole	50	5
Tin (inorganic) - dissolved		25
Toluene (95%ile)	380	74
Total anions		250,000
Triallate	5	0.25
Triazaphos		0.005
Tributyl phosphate	500	50
Tributyltin compounds (Tributyltin cation)	0.0015	0.0002
Trichlorobenzenes		0.4
Trichloroethylene		10
Trichloromethane (chloroform)		2.5
Triclosan	0.28	0.1
Trifluralin		0.03
Triphenyltin & derivatives	0.02	
Un-ionised ammonia as nitrogen		
Vanadium (> 200 mg/l CaCO ₃)		60
Vanadium (0 - 200 mg/l CaCO ₃)		20
Xylene		30
Zinc		10.9
Zinc - dissolved plus ambient background concentration. For saltwater, an ambient background concentration of 1.1ug/l is recommended.		
Diflufenzuron	0.015	0.001