	European Water Framework Directive priority substances		Scottish Environment Protection Agency	ECAN	Canadian Enivonmental Council			
	annual average	maximum allowed annual concentration (peak concentration)	annual average	99% species protected	long term protection limit			
name of substance	**ug/l**	**ug/l**	**ug/l**	**ug/l**	**ug/l**			
1-2-dichlorethan		10			100			
1,2-dichlorbenzene				120	0.7			
2,4-dinitrotoluene				16				
2,4,6-trinitrotoluene				100				
Alachlor	0.3	0.7	0.6					
Aldrin			0.0005		0.004			
Aniline				8	2.2			
Anthracene	0.1	0.1	0.01		0.012			
Atrazine	0.6	2	1.2		1.8			
Benzene	10	50	16	600	370			
Bifenox	0.012	0.04						
Carbon tetrachloride	12		1.2					
Chlorfenvinphos	0.1	0.3	0.2					
Chloralkanes	0.4	1.4	0.04					
Trichlormethane	2.5		0.25					
Chlorpyrifos	0.03	0.1	0.06		0.002			
Cyanide			2	4	5			
Cyfluthrin			0.002					
Cypermethrin	0.00008	0.0006	0.0002					
DDT	0.025		0.0025					
Di(2-ethylhexyl)phtalate	1.3		2.6		16			
Diazinon			0.02					
Dichloroethane			1					
Dichloromethane	20		40		98.1			
Dichlorophenol			40		0.2			
Dichlorvos	0.0006	0.0007						
Dicofol	0.0013							
Dieldrin			0.0005		0.004			
Dimethoate			0.96		6.2			
Diuron	0.2	1.8	0.4					
Endosulphan	0.005	0.01	0.00005		0.003			
Endrin			0.0005					
Fenitrothion			0.02					
Flucofuron			2					
Flouranthene	0.1	1	2					
Herptachlor	0.0000002	0.00003			0.01			
Hexachlorobenzene	0.01	0.05	0.001					
Hexachlorobutadiene	0.1	0.6	0.01		1.3			
Hexachlorocyclohexane	0.02	0.04	0.0002		0.01			
Hexachlorethane				290				
Isodrin			0.0005					
Isoproturon	0.3	1	0.6					
Linuron			1		7			
Malathion			0.02					
Mecoprop			0.6					
Mevinphos			0.04					
Naphthalene	2.4	130	2.4	2.5	1.1			
Nitrobenzene				230				
Nonylphenols	0.3	2	0.03		1			
Nonylphenolethoxaclates	0.3	2						
Octylphenols			0.02					
Omethoate			0.02					
Pentachlorbenzene	0.007		0.00007		6			
Pentachlorphenol	0.4	1	0.04		0.5			
Perchlorethylene			1					
Permethrin			0.02		0.004			
Phenol			15.4		4			
Quinoxyfen	0.15	2.7						
Simazine	1	4	2		10			
Sulcofuron			50					
Terbutryn	0.065	0.34						
Toluene			80		2			
Triazophos			0.01					
Trichlorbenzene			0.04					
1,1,1-Trichloroethane			200					
1,1,2-Trichloroethane			600	5400				
Trichloroenthylene			1					
Trifluralin	0.03		0.06		0.2			
Triphenyltins			0.016		0.022			
Xylene			60					
		Metals						
Aluminium				27		not defined if total, particualte or dissolved	higher concentration in acid soluble ('total') phase	
Arsenic			50	0.8	5	not defined if total, particualte or dissolved	difference between acid soluble and dissolved within 1SD	
Boron				90		not defined if total, particualte or dissolved	-	
Cadmium	0.08-0.25	0.45-1.5	0.08	0.06		depends on water hardnes, not defined if total, particualte or dissolved		
Chromium			1.2	0.01	1	Cr (VI) (bioavailbale)		
Copper			5	1		not defined if total, particualte or dissolved	higher in acid soluble	
Iron			1000		300	not defined if total, particualte or dissolved	higher in acid soluble, but for determining impact on algae growth, dissolved or better bioavailable needs to be taken into account	
Lead	7.2	14	14.4	1		not defined if total, particualte or dissolved	higher in acid soluble	
Manganese				1200		not defined if total, particualte or dissolved	same as Fe	
Mercury	0.5	0.07	0.005	0.06	0.026	not defined if total, particualte or dissolved		
Nickel	20	34	40	8		not defined if total, particualte or dissolved	higher in acid soluble	
Selenium				5		Total		
Silver				0.02		not defined if total, particualte or dissolved		
Vanadium			40			not defined if total, particualte or dissolved	higher in acid soluble	
Zinc			16	2.4		not defined if total, particualte or dissolved	higher in acid soluble; toxicity linked to dissolved phase - need to be careful about contermination from sampling	