

Environmental quality standards (EQS) for river basin-specific pollutants to determine ecological status

Substance	CAS no.	EQS for watercourses and lakes
Metals, soluble concentration in µg/l or materials in suspension/sediment in mg/kg		
Arsenic (As) (materials in suspension/sediment)	7440-38-2	40
Chromium (Cr) (materials in suspension/sediment)	7440-47-3	640
Copper (Cu) (materials in suspension/sediment)	7440-50-8	160
Selenium (Se)	7782-49-2	3
Silver (Ag)	7440-22-4	0.02
Thallium (Tl)	7440-28-0	0.2
Zinc (Zn) (materials in suspension/sediment)	7440-66-6	800
Industrial pollutants, concentration in total water samples in µg/l or in materials in suspension/sediment in µg/kg		
1,1,1-Trichloroethane	71-55-6	10
1,1,2,2-Tetrachloroethane	79-34-5	10
1,1,2-Trichloroethane	79-00-5	10
1,1,2-Trichlorotrifluoroethane	76-13-1	10
1,1-Dichloroethane	75-34-3	10
1,1-Dichloroethylene (vinylidene chloride)	75-35-4	10
1,2,4,5-Tetrachlorobenzene	95-94-3	1
1,2-Dibromoethane	106-93-4	2
1,2-Dichloro-3-nitrobenzene	3209-22-1	10
1,2-Dichloro-4-nitrobenzene	99-54-7	10
1,2-Dichlorobenzene	95-50-1	10
1,2-Dichloroethene	540-59-0	10
1,2-Dichloropropane	78-87-5	10
1,2-Dimethylbenzene	95-47-6	10
1,3-Dichloro-4-nitrobenzene	611-06-3	10
1,3-Dichlorobenzene	541-73-1	10
1,3-Dichloropropane-2-ol	96-23-1	10
1,3-Dichloropropene	542-75-6	10
1,3-Dimethylbenzene	108-38-3	10
1,4-Dichloro-2-nitrobenzene	89-61-2	10
1,4-Dichlorobenzene	106-46-7	10
1,4-Dimethylbenzene	106-42-3	10
1-Chloro-2,4-dinitrobenzene	97-00-7	5
1-Chloro-2-nitrobenzene	88-73-3	10
1-Chloro-3-nitrobenzene	121-73-3	1
1-Chloro-4-nitrobenzene	100-00-5	10
1-Chloronaphthalene	90-13-1	1
2,3,4-Trichlorophenol	15950-66-0	1
2,3,5-Trichlorophenol	933-78-8	1
2,3,6-Trichlorophenol	933-75-5	1
2,3-Dichloroaniline	608-27-5	1
2,3-Dichloropropene	78-88-6	10
2,4-&2,5-Dichloroaniline		2
2,4,5-Trichlorophenol	95-95-4	1
2,4,6-Trichlorophenol	88-06-2	1
2,4-Dichloroaniline	554-00-7	1
2,4-Dichlorophenol	120-83-2	10
2,5-Dichloroaniline	95-82-9	1

Substance	CAS no.	EQS for watercourses and lakes
2,6-Dichloroaniline	608-31-1	1
2-Amino-4-chlorophenol	95-85-2	10
2-Chloro-4-nitrotoluene	121-86-8	1
2-Chloro-6-nitrotoluene	83-42-1	1
2-Chloroaniline	95-51-2	3
2-Chloroethanol	107-07-3	10
2-Chlorophenol	95-57-8	10
2-Chloro-p-toluidine	615-65-6	10
2-Chlorotoluene	95-49-8	1
2,4,5-Trichlorophenol	609-19-8	1
3,4-Dichloroaniline	95-76-1	0.5
3,5-Dichloroaniline	626-43-7	1
3-Chloro-4-nitrotoluene	38939-88-7	1
3-Chloroaniline	108-42-9	1
3-Chloropropene (allyl chloride)	107-05-1	10
3-Chloro-o-toluidine	87-60-5	10
3-Chlorophenol	108-43-0	10
3-Chloro-p-toluidine	95-74-9	10
3-Chlorotoluene	108-41-8	10
4-Chloro-2-nitroaniline	89-63-4	3
4-Chloro-2-nitrotoluene	89-59-8	10
4-Chloro-3-methylphenol	59-50-7	10
4-Chloro-3-nitrotoluene	89-60-1	1
4-Chloroaniline	106-47-8	0.05
4-Chlorophenol	106-48-9	10
4-Chlorotoluene	106-43-4	1
5-Chloro-2-nitrotoluene	5367-28-2	1
5-Chloro-o-toluidine	95-79-4	10
Aniline	62-53-3	0.8
Benzidine	92-87-5	0.1
Benzyl chloride (α -chlorotoluene)	100-44-7	10
Benzylidene chloride (α,α -dichlorotoluene)	98-87-3	10
Biphenyl	92-52-4	1
Chloral hydrate	302-17-0	10
Chlorobenzene	108-90-7	1
Chloroacetic acid	79-11-8	10
Chloronaphthalenes (techn. mixture)		0.01
Chloroprene (2-Chlorobuta-1,3-diene)	126-99-8	10
Cyanide	57-12-5	10
Cyanuric chloride (2,4,6-Trichloro-1,3,5-triazine)	108-77-0	0.1
Dibutyl tin cation (materials in suspension/sediment)	14488-53-0	100
Dibutyl tin cation (alternatively)	14488-53-0	0.01
Dichlorobenzidines	91-94-1	10
Dichlorodiisopropylether	108-60-1	10
Diethylamine	109-89-7	10
Dimethylamine	124-40-3	10
Epichlorohydrine	106-89-8	10
Ethylbenzene	100-41-4	10
Hexachloroethane	67-72-1	10
Isopropylbenzene	98-82-8	10
Nitrobenzene	98-95-3	0.1
PCB-28 (materials in suspension/sediment)	7012-37-5	20
PCB-28 (alternatively)	7012-37-5	0.0005

Substance	CAS no.	EQS for watercourses and lakes
PCB-52 (materials in suspension/sediment)	35693-99-3	20
PCB-52 (alternatively)	35693-99-3	0.0005
PCB-101 (materials in suspension/sediment)	37680-73-2	20
PCB-101 (alternatively)	37680-73-2	0.0005
PCB-118 (materials in suspension/sediment)	31508-00-6	20
PCB-118 (alternatively)	31508-00-6	0.0005
PCB-138 (materials in suspension/sediment)	35065-28-2	20
PCB-138 (alternatively)	35065-28-2	0.0005
PCB-153 (materials in suspension/sediment)	35065-27-1	20
PCB-153 (alternatively)	35065-27-1	0.0005
PCB-180 (materials in suspension/sediment)	28655-71-2	20
PCB-180 (alternatively)	28655-71-2	0.0005
Phenanthrene	85-01-8	0.5
Tetrabutyl tin (materials in suspension/sediment)	1461-25-2	40
Tetrabutyl tin (alternatively)	1461-25-2	0.001
Toluene	108-88-3	10
Tributyl phosphate (phosphoric acid tributyl ester)	126-73-8	10
Vinylchloride (chloroethylene)	75-01-4	2
Pesticides, concentrations in total water samples in µg/l or in materials in suspension/sediment in µg/kg		
Fungicides		
Epoxiconazole	133855-98-8	0.2
Propiconazole	60207-90-1	1
Triphenyl tin cation (materials in suspension/sediment)	668-34-8	20
Triphenyl tin cation (alternatively)	668-34-8	0.0005
Herbicides		
2,4,5-T	93-76-5	0.1
2,4-D	94-75-7	0.1
Ametryn	834-12-8	0.5
Bentazone	25057-89-0	0.1
Bromacil	314-40-9	0.6
Bromoxynil	1689-84-5	0.5
Chlortoluron	15545-48-9	0.4
Dichlorprop	120-36-5	0.1
Diflufenican	83164-33-4	0.009
Hexazinone	51235-04-2	0.07
Linuron	330-55-2	0.1
MCPA	94-74-6	0.1
Mecoprop	7085-19-0	0.1
Metazachlor	67129-08-2	0.4
Methabenzthiazuron	18691-97-9	2
Metolachlor	51218-45-2	0.2
Metribuzin	21087-64-9	0.2
Monolinuron	1746-81-2	0.1
Picolinafen	137641-05-5	0.007
Propanil	709-98-8	0.1
Pyrazone (chloridazone)	1698-60-8	0.1
Terbutylazine	5915-41-3	0.5
Insecticides		
Azinphos-ethyl	2642-71-9	0.01
Azinphos-methyl	86-50-0	0.01

Substance	CAS no.	EQS for watercourses and lakes
Chlordane (cis and trans)	57-74-9	0.003
Coumaphos	56-72-4	0.07
Demeton (Total of Demeton-o and -s)		0.1
Demeton-o	298-03-3	0.1
Demeton-s	126-75-0	0.1
Demeton-s-methyl	919-86-8	0.1
Demeton-s-methyl-sulphone	17040-19-6	0.1
Diazinon	333-41-5	0.01
Dichlorvos	62-73-7	0.0006
Dimethoate	60-51-5	0.1
Disulfoton	298-04-4	0.004
Etrimphos	38260-54-7	0.004
Fenitrothion	122-14-5	0.009
Fenthion	55-38-9	0.004
Heptachlorine	76-44-8	0.1
Heptachloroepoxide	1024-57-3	0.1
Malathion	121-75-5	0.02
Methamidophos	10265-92-6	0.1
Mevinphos	7786-34-7	0.0002
Omethoate	1113-02-6	0.1
Oxydemeton-methyl	301-12-2	0.1
Parathion-ethyl	56-38-2	0.005
Parathion-methyl	298-00-0	0.02
Pirimicarb	23103-98-2	0.09
Prometryn	7287-19-6	0.5
Triazophos	24017-47-8	0.03
Trichlorfon	52-68-6	0.002
Veterinary pharmaceuticals		
Phoxim	14816-18-3	0.008

Source: Federal Environment Agency in accordance with the Surface Waters Ordinance, 2011