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		Water Quality Guidelines for the Protection of Aquatic Life					
		Freshwater			Marine		
		Concentration (µg/L)	Concentration (µg/L)	Date	Concentration (µg/L)	Concentration (µg/L)	Date
Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
1,1,1-Trichloroethane CASRN 71556	Organic Halogenated aliphatic compounds Chlorinated ethanes	No data	Insufficient data	1991	No data	Insufficient data	1991
1,1,2,2-Tetrachloroethene PCE (Tetrachloroethylene) CASRN 127184	Organic Halogenated aliphatic compounds Chlorinated ethenes	No data	110	1993	No data	Insufficient data	1993
1,1,2,2-Tetrachloroethane CASRN 79345	Organic Halogenated aliphatic compounds Chlorinated ethanes	No data	Insufficient data	1991	No data	Insufficient data	1991
1,1,2-Trichloroethene TCE (Trichloroethylene) CASRN 79-01-6	Organic Halogenated aliphatic compounds Chlorinated ethenes	No data	21	1991	No data	Insufficient data	1991
1,2,3,4-Tetrachlorobenzene CASRN 634662	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	1.8	1997	No data	Insufficient data	1997
1,2,3,5-Tetrachlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	Insufficient data	1997	No data	Insufficient data	1997

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		Concentration (µg/L)	Concentration (µg/L)	Date	Concentration (µg/L)	Concentration (µg/L)	Date
Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
1,2,3-Trichlorobenzene CASRN 87616	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	8	1997	No data	Insufficient data	1997
1,2,4,5-Tetrachlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	Insufficient data	1997	No data	Insufficient data	1997
1,2,4-Trichlorobenzene CASRN 120801	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	24	1997	No data	5.4	1997
1,2-Dichlorobenzene CASRN 95501	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	0.7	1997	No data	42	1997
1,2-Dichloroethane CASRN 1070602	Organic Halogenated aliphatic compounds Chlorinated ethanes	No data	100	1991	No data	Insufficient data	1991
1,3,5-Trichlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	Insufficient data	1997	No data	Insufficient data	1997
1,3-Dichlorobenzene CASRN 541731	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	150	1997	No data	Insufficient data	1997
1,4-Dichlorobenzene CASRN 106467	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	26	1997	No data	Insufficient data	1997
1,4-Dioxane		NRG	NRG	2008	NRG	NRG	2008
3-Iodo-2-propynyl butyl carbamate IPBC CASRN 55406-53-6	Organic Pesticides Carbamate pesticides	No data	1.9	1999	No data	No data	No data
Acenaphthene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	No data	5.8	1999	No data	Insufficient data	1999

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Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
Acenaphthylene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	<i>No data</i>	<i>No data</i>	1999	<i>No data</i>	<i>No data</i>	1999
Acridine PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	<i>No data</i>	4.4	1999	<i>No data</i>	Insufficient data	1999
Aldicarb CASRN 116063	Organic Pesticides Carbamate pesticides	<i>No data</i>	1	1993	<i>No data</i>	0.15	1993
Aldrin	Organic Pesticides Organochlorine compounds	<i>No data</i>	0.004	1987	<i>No data</i>	<i>No data</i>	<i>No data</i>
Aluminium	Inorganic	<i>No data</i>	Variable	1987	<i>No data</i>	<i>No data</i>	<i>No data</i>
Ammonia (total)	Inorganic Inorganic nitrogen compounds	<i>No data</i>	Table	2001	<i>No data</i>	<i>No data</i>	<i>No data</i>
Ammonia (un-ionized) CASRN 7664417	Inorganic Inorganic nitrogen compounds	<i>No data</i>	19	2001	<i>No data</i>	<i>No data</i>	<i>No data</i>
Aniline CASRN 62533	Organic	<i>No data</i>	2.2	1993	<i>No data</i>	Insufficient data	1993
Anthracene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	<i>No data</i>	0.012	1999	<i>No data</i>	Insufficient data	1999
Arsenic CASRN none	Inorganic	<i>No data</i>	5	1997	<i>No data</i>	12.5	1997
Atrazine CASRN 1912249	Organic Pesticides Triazine compounds	<i>No data</i>	1.8	1989	<i>No data</i>	<i>No data</i>	<i>No data</i>
Benzene CASRN 71432	Organic Monocyclic aromatic compounds	<i>No data</i>	370	1999	<i>No data</i>	110	1999
Benzo(a)anthracene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	<i>No data</i>	0.018	1999	<i>No data</i>	Insufficient data	1999

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		Freshwater			Marine		
		Concentration (µg/L)	Concentration (µg/L)	Date	Concentration (µg/L)	Concentration (µg/L)	Date
Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
Benzo(a)pyrene PAHs	Organic Polycyclic aromatic hydrocarbons	No data	0.015	1999	No data	Insufficient data	1999
Boron	Inorganic	29,000µg/L or 29mg/L	1,500µg/L or 1.5mg/L	2009	NRG	NRG	2009
Bromacil CASRN 314409	Organic Pesticides	No data	5	1997	No data	Insufficient data	1997
Bromoxynil	Organic Pesticides Benzonitrile compounds	No data	5	1993	No data	Insufficient data	1993
Cadmium CASRN 7440439	Inorganic	No data	Equation	1996	No data	0.12	1996
Captan CASRN 133062	Organic Pesticides	No data	1.3	1991	No data	No data	No data
Carbaryl CASRN 63252	Organic Pesticides Carbamate pesticides	3.3	0.2	2009	5.7	0.29	2009
Carbofuran CASRN 1564662	Organic Pesticides Carbamate pesticides	No data	1.8	1989	No data	No data	No data
Chlordane	Organic Pesticides Organochlorine compounds	No data	0.006	1987	No data	No data	No data
Chloride	Inorganic	640,000 µg/L or 640 mg/L	120,000 µg/L or 120 mg/L	2011	NRG	NRG	2011
Chlorothalonil CASRN 1897456	Organic Pesticides	No data	0.18	1994	No data	0.36	1994
Chlorpyrifos CASRN 2921882	Organic Pesticides Organophosphorus compounds	0.02	0.002	2008	NRG	0.002	2008
Chromium, hexavalent (Cr(VI)) CASRN 7440473	Inorganic	No data	1	1997	No data	1.5	1997
Chromium, trivalent (Cr(III)) CASRN 7440473	Inorganic	No data	8.9	1997	No data	56	1997
Chrysene PAHs	Organic Polycyclic aromatic hydrocarbons	No data	Insufficient data	1999	No data	Insufficient data	1999



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		Freshwater			Marine		
		Concentration (µg/L)	Concentration (µg/L)	Date	Concentration (µg/L)	Concentration (µg/L)	Date
Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
Colour							
CASRN N/A	Physical	No data	Narrative	1999	No data	Narrative	1999
Copper	Inorganic	No data	Equation	1987	No data	No data	No data
Cyanazine	Organic Pesticides Triazine compounds	No data	2	1990	No data	No data	No data
CASRN 2175462							
Cyanide	Inorganic	No data	5 (as free CN)	1987	No data	No data	No data
Debris	Physical	No data	No data	No data	No data	Narrative	1996
CASRN N/A							
Deltamethrin	Organic Pesticides	No data	0.0004	1997	No data	Insufficient data	1997
CASRN 52918635							
Deposited bedload sediment	Physical Turbidity, clarity and suspended solids Total particulate matter	No data	Insufficient data	1999	No data	Insufficient data	1999
Di(2-ethylhexyl) phthalate	Organic Phthalate esters	No data	16	1993	No data	Insufficient data	1993
CASRN 117817							
Di-n-butyl phthalate	Organic Phthalate esters	No data	19	1993	No data	Insufficient data	1993
CASRN 84742							
Di-n-octyl phthalate	Organic Phthalate esters	No data	Insufficient data	1993	No data	Insufficient data	1993
CASRN 117840							
Dibromochloromethane	Organic Halogenated aliphatic compounds Halogenated methanes	No data	Insufficient data	1992	No data	Insufficient data	1992
Dicamba	Organic Pesticides Aromatic Carboxylic Acid	No data	10	1993	No data	No data	No data
CASRN 1918009							
Dichloro diphenyl trichloroethane; 2,2- Bis(p-chlorophenyl)- 1,1,1-trichloroethane	Organic Pesticides Organochlorine compounds	No data	0.001	1987	No data	No data	No data
DDT (total)							
Dichlorobromomethane	Organic Halogenated aliphatic compounds Halogenated methanes	No data	Insufficient data	1992	No data	Insufficient data	1992
Dichloromethane Methylene chloride CASRN 75092	Organic Halogenated aliphatic compounds Halogenated methanes	No data	98.1	1992	No data	Insufficient data	1992

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		Freshwater			Marine		
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Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
Dichlorophenols	Organic Monocyclic aromatic compounds Chlorinated phenols	No data	0.2	1987	No data	No data	No data
Diclofop-methyl CASRN 51338273	Organic Pesticides	No data	6.1	1993	No data	No data	No data
Didecyl dimethyl ammonium chloride DDAC CASRN 7173515	Organic Pesticides	No data	1.5	1999	No data	Insufficient data	1999
Diethylene glycol CASRN 111466	Organic Glycols	No data	Insufficient data	1997	No data	Insufficient data	1997
Diisopropanolamine DIPA CASRN 110974	Organic	No data	1600	2005	No data	Insufficient data	2005
Dimethoate CASRN 60515	Organic Pesticides Organophosphorus compounds	No data	6.2	1993	No data	Insufficient data	1993
Dinoseb CASRN 88857	Organic Pesticides	No data	0.05	1992	No data	No data	No data
Dissolved gas supersaturation CASRN N/A	Physical	No data	Narrative	1999	No data	Narrative	1999
Dissolved oxygen DO CASRN N/A	Inorganic	No data	Variable	1999	No data	>8000 & Narrative	1996
Endosulfan	Organic Pesticides Organochlorine compounds	0.06	0.003	2010	0.09	0.002	2010
Endrin	Organic Pesticides Organochlorine compounds	No data	0.0023	1987	No data	No data	No data
Ethylbenzene CASRN 100414	Organic Monocyclic aromatic compounds	No data	90	1996	No data	25	1996
Ethylene glycol CASRN 107211	Organic Glycols	No data	192 000	1997	No data	Insufficient data	1997
Fluoranthene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	No data	0.04	1999	No data	Insufficient data	1999

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		Concentration (µg/L)	Concentration (µg/L)	Date	Concentration (µg/L)	Concentration (µg/L)	Date
Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
Fluorene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	No data	<u>3</u>	1999	No data	Insufficient data	1999
Fluoride	Inorganic	No data	<u>120</u>	2002	No data	<u>NRG</u>	2002
Glyphosate CASRN 1071836	Organic Pesticides Organophosphorus compounds	<u>27,000</u>	<u>800</u>	<u>2012</u>	<u>NRG</u>	<u>NRG</u>	<u>2012</u>
Heptachlor Heptachlor epoxide	Organic Pesticides Organochlorine compounds	No data	0.01	1987	No data	No data	No data
Hexachlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	<u>Insufficient data</u>	1997	No data	<u>Insufficient data</u>	1997
Hexachlorobutadiene HCBD CASRN 87683	Organic Halogenated aliphatic compounds	No data	<u>1.3</u>	1999	No data	No data	No data
Hexachlorocyclohexane Lindane	Organic Pesticides Organochlorine compounds	No data	<u>0.01</u>	1987	No data	No data	No data
Imidacloprid CASRN 13826413		No data	<u>0.23</u>	2007	No data	<u>0.65</u>	2007
Iron	Inorganic	No data	<u>300</u>	1987	No data	No data	No data
Lead	Inorganic	No data	<u>Equation</u>	1987	No data	No data	No data
Linuron CASRN 41205214	Organic Pesticides	No data	<u>7</u>	1995	No data	No data	1995
Mercury CASRN 7439976	Inorganic	No data	<u>0.026</u>	2003	No data	<u>0.016</u>	2003
Methoprene CASRN 40596698		No data	<u>0.09 (Target Organism Management value: 0.53)</u>	2007	No data	Insufficient data	2007
Methyl tertiary-butyl ether MTBE CASRN 1634044	Organic Non-halogenated aliphatic compounds Aliphatic ether	No data	<u>10 000</u>	2003	No data	<u>5 000</u>	2003



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		Freshwater			Marine		
		Concentration (µg/L)	Concentration (µg/L)	Date	Concentration (µg/L)	Concentration (µg/L)	Date
Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
Methylchlorophenoxyacetic acid (4-Chloro-2-methyl phenoxy acetic acid; 2-Methyl-4-chloro phenoxy acetic acid) MCPA CASRN 94746	Organic Pesticides	No data	2.6	1995	No data	4.2	1995
Methylmercury	Organic	No data	0.004	2003	No data	NRG	2003
Metolachlor CASRN 51218452	Organic Pesticides Organochlorine compounds	No data	7.8	1991	No data	No data	No data
Metribuzin CASRN 21087649	Organic Pesticides Triazine compounds	No data	1	1990	No data	No data	No data
Molybdenum	Inorganic	No data	73	1999	No data	No data	No data
Monobromomethane Methyl bromide	Organic Halogenated aliphatic compounds Halogenated methanes	No data	Insufficient data	1992	No data	Insufficient data	1992
Monochlorobenzene CASRN 108907	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	1.3	1997	No data	25	1997
Monochloromethane Methyl chloride	Organic Halogenated aliphatic compounds Halogenated methanes	No data	Insufficient data	1992	No data	Insufficient data	1992
Monochlorophenols	Organic Monocyclic aromatic compounds Chlorinated phenols	No data	7	1987	No data	No data	No data
Naphthalene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	No data	1.1	1999	No data	1.4	1999
Nickel	Inorganic	No data	Equation	1987	No data	No data	No data
Nitrate CASRN 14797-55-8	Inorganic Inorganic nitrogen compounds	550,000 µg/L or 550 mg/L	13,000 µg/L or 13 mg/L	2012	1,500,000 µg/L or 1500 mg/L	200,000 µg/L or 200 mg/L	2012



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		Freshwater			Marine		
		Concentration (µg/L)	Concentration (µg/L)	Date	Concentration (µg/L)	Concentration (µg/L)	Date
Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
Nitrite	Inorganic Inorganic nitrogen compounds	No data	60 NO₂-N	1987	No data	No data	No data
Nonylphenol and its ethoxylates CASRN 84852153	Organic Nonylphenol and its ethoxylates	No data	1	2002	No data	0.7	2002
Nutrients		No data	Guidance Framework	2004	No data	Guidance framework	2007
Pentachlorobenzene CASRN 608935	Organic Monocyclic aromatic compounds Chlorinated benzenes	No data	6	1997	No data	Insufficient data	1997
Pentachlorophenol PCP	Organic Monocyclic aromatic compounds Chlorinated phenols	No data	0.5	1987	No data	No data	No data
Permethrin CASRN 52645531	Organic Pesticides Organochlorine compounds	No data	0.004	2006	No data	0.001	2006
Phenanthrene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	No data	0.4	1999	No data	Insufficient data	1999
Phenols (mono- & dihydric) CASRN 108952	Organic Aromatic hydroxy compounds	No data	4	1999	No data	No data	No data
Phenoxy herbicides 2,4 D; 2,4- Dichlorophenoxyacetic acid	Organic Pesticides	No data	4	1987	No data	No data	No data
Phosphorus	Inorganic	No data	Guidance Framework	2004	No data	Guidance Framework	2007
Picloram CASRN 1918021	Organic Pesticides	No data	29	1990	No data	No data	No data
Polychlorinated biphenyls PCBs	Organic Polyaromatic compounds Polychlorinated biphenyls	No data	0.001	1987	No data	0.01	1991
Propylene glycol CASRN 57556	Organic Glycols	No data	500 000	1997	No data	Insufficient data	1997
Pyrene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	No data	0.025	1999	No data	Insufficient data	1999

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		Concentration (µg/L)	Concentration (µg/L)	Date	Concentration (µg/L)	Concentration (µg/L)	Date
Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
pH	Inorganic Acidity, alkalinity and pH	No data	6.5 to 9.0	1987	No data	7.0 to 8.7 & Narrative	1996
Quinoline PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	No data	3.4	1999	No data	Insufficient data	1999
Reactive Chlorine Species total residual chlorine, combined residual chlorine, total available chlorine, hypochlorous acid, chloramine, combined available chlorine, free residual chlorine, free available chlorine, chlorine-produced oxidants	Inorganic Reactive chlorine compounds	No data	0.5	1999	No data	0.5	1999
Salinity	Physical	No data	No data	No data	No data	Narrative	1996
Selenium	Inorganic	No data	1	1987	No data	No data	No data
Silver	Inorganic	No data	0.1	1987	No data	No data	No data
Simazine CASRN 122349	Organic Pesticides Triazine compounds	No data	10	1991	No data	No data	No data
Streambed substrate	Physical Turbidity, clarity and suspended solids Total particulate matter	No data	Narrative	1999	No data	Narrative	1999
Styrene CASRN 100425	Organic Monocyclic aromatic compounds	No data	72	1999	No data	No data	No data
Sulfolane Bondelane CASRN 126330	Organic Organic sulphur compound	No data	50 000	2005	No data	Insufficient data	2005
Suspended sediments TSS	Physical Turbidity, clarity and suspended solids Total particulate matter	No data	Narrative	1999	No data	Narrative	1999
Tebuthiuron CASRN 34014181	Organic Pesticides	No data	1.6	1995	No data	Insufficient data	1995
Temperature	Physical Temperature	No data	Narrative	1987	No data	Narrative	1996



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Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
Tetrachloromethane Carbon tetrachloride CASRN 56235	Organic Halogenated aliphatic compounds Halogenated methanes	<i>No data</i>	13.3	1992	<i>No data</i>	Insufficient data	1992
Tetrachlorophenols	Organic Monocyclic aromatic compounds Chlorinated phenols	<i>No data</i>	1	1987	<i>No data</i>	<i>No data</i>	<i>No data</i>
Thallium	Inorganic	<i>No data</i>	0.8	1999	<i>No data</i>	<i>No data</i>	<i>No data</i>
Toluene CASRN 108883	Organic Monocyclic aromatic compounds	<i>No data</i>	2	1996	<i>No data</i>	215	1996
Toxaphene	Organic Pesticides Organochlorine compounds	<i>No data</i>	0.008	1987	<i>No data</i>	<i>No data</i>	<i>No data</i>
Triallate CASRN 2303175	Organic Pesticides Carbamate pesticides	<i>No data</i>	0.24	1992	<i>No data</i>	<i>No data</i>	<i>No data</i>
Tribromomethane Bromoform	Organic Halogenated aliphatic compounds Halogenated methanes	<i>No data</i>	Insufficient data	1992	<i>No data</i>	Insufficient data	1992
Tributyltin	Organic Organotin compounds	<i>No data</i>	0.008	1992	<i>No data</i>	0.001	1992
Trichlorfon CASRN 52-68-6		1.1	0.009	2012	NRG	NRG	2012
Trichloromethane Chloroform CASRN 67663	Organic Halogenated aliphatic compounds Halogenated methanes	<i>No data</i>	1.8	1992	<i>No data</i>	Insufficient data	1992
Trichlorophenols	Organic Monocyclic aromatic compounds Chlorinated phenols	<i>No data</i>	18	1987	<i>No data</i>	<i>No data</i>	<i>No data</i>
Tricyclohexyltin	Organic Organotin compounds	<i>No data</i>	Insufficient data	1992	<i>No data</i>	Insufficient data	1992
Trifluralin CASRN 1582098	Organic Pesticides Dinitroaniline pesticides	<i>No data</i>	0.2	1993	<i>No data</i>	<i>No data</i>	<i>No data</i>

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		Concentration (µg/L)	Concentration (µg/L)	Date	Concentration (µg/L)	Concentration (µg/L)	Date
Chemical name	Chemical groups	Short Term	Long Term		Short Term	Long Term	
Triphenyltin	Organic Organotin compounds	No data	0.022	1992	No data	No data	1992
Turbidity	Physical Turbidity, clarity and suspended solids Total particulate matter	No data	Narrative	1999	No data	Narrative	1999
Uranium CASRN 7440- 61-1	Inorganic	33	15	2011	NRG	NRG	2011
Zinc	Inorganic	No data	30	1987	No data	No data	No data

		Water Quality Guidelines for the Protection of Agriculture			
		Irrigation		Livestock	
		Concentration (µg/L)	Date	Concentration (µg/L)	Date
Chemical name	Chemical groups				
1,1,1-Trichloroethane CASRN 71556	Organic Halogenated aliphatic compounds Chlorinated ethanes	Insufficient data	1991	Insufficient data	1991
1,1,1,2-Tetrachloroethene PCE (Tetrachloroethylene) CASRN 127184	Organic Halogenated aliphatic compounds Chlorinated ethenes	Insufficient data	1993	Insufficient data	1993
1,1,1,2-Tetrachloroethane CASRN 79345	Organic Halogenated aliphatic compounds Chlorinated ethanes	Insufficient data	1991	Insufficient data	1991
1,1,1,2-Trichloroethene TCE (Trichloroethylene) CASRN 79-01-6	Organic Halogenated aliphatic compounds Chlorinated ethenes	Insufficient data	1991	50	1991
1,2,3,4-Tetrachlorobenzene CASRN 634662	Organic Monocyclic aromatic compounds Chlorinated benzenes	Insufficient data	1997	Insufficient data	1997



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		Irrigation		Livestock	
		Concentration (µg/L)	Date	Concentration (µg/L)	Date
Chemical name	Chemical groups				
1,2,3,5-Tetrachlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	Insufficient data	1997	Insufficient data	1997
1,2,3-Trichlorobenzene CASRN 87616	Organic Monocyclic aromatic compounds Chlorinated benzenes	Insufficient data	1997	Insufficient data	1997
1,2,4,5-Tetrachlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	Insufficient data	1997	Insufficient data	1997
1,2,4-Trichlorobenzene CASRN 120801	Organic Monocyclic aromatic compounds Chlorinated benzenes	Insufficient data	1997	Insufficient data	1997
1,2-Dichlorobenzene CASRN 95501	Organic Monocyclic aromatic compounds Chlorinated benzenes	Insufficient data	1997	Insufficient data	1997
1,2-Dichloroethane CASRN 1070602	Organic Halogenated aliphatic compounds Chlorinated ethanes	Insufficient data	1991	5	1991
1,3,5-Trichlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	Insufficient data	1997	Insufficient data	1997
1,3-Dichlorobenzene CASRN 541731	Organic Monocyclic aromatic compounds Chlorinated benzenes	Insufficient data	1997	Insufficient data	1997
1,4-Dichlorobenzene CASRN 106467	Organic Monocyclic aromatic compounds Chlorinated benzenes	Insufficient data	1997	Insufficient data	1997
Aldicarb CASRN 116063	Organic Pesticides Carbamate pesticides	54.9	1993	11	1993
Aluminium	Inorganic	5000	1987	5000	1987
Aniline CASRN 62533	Organic	Insufficient data	1993	Insufficient data	1993
Arsenic CASRN none	Inorganic	100	1997	25	1997
Atrazine CASRN 1912249	Organic Pesticides Triazine compounds	10	1989	5	1989

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		Water Quality Guidelines for the Protection of Agriculture			
		Irrigation		Livestock	
		Concentration (µg/L)	Date	Concentration (µg/L)	Date
Chemical name	Chemical groups				
Beryllium	Inorganic	100	1987	100	1987
Boron	Inorganic	Variable	1987	5000	1987
Bromacil CASRN 314409	Organic Pesticides	0.2	1997	1100	1997
Bromoxynil	Organic Pesticides Benzonitrile compounds	0.33	1993	11	1993
Cadmium CASRN 7440439	Inorganic	5.1	1996	80	1996
Calcium	Inorganic	<i>No data</i>	<i>No data</i>	1 000 000	1987
Captan CASRN 133062	Organic Pesticides	Insufficient data	1991	13	1991
Carbaryl CASRN 63252	Organic Pesticides Carbamate pesticides	Insufficient data	1997	1100	1997
Carbofuran CASRN 1564662	Organic Pesticides Carbamate pesticides	Insufficient data	1989	45	1989
Chlordane	Organic Pesticides Organochlorine compounds	<i>No data</i>	<i>No data</i>	7	1987
Chloride	Inorganic	Variable	1987	<i>No data</i>	<i>No data</i>
Chlorothalonil CASRN 1897456	Organic Pesticides	5.8 (other crops)	1994	170	1994
Chlorpyrifos CASRN 2921882	Organic Pesticides Organophosphorus compounds	Insufficient data	1997	24	1997
Chromium, hexavalent (Cr(VI)) CASRN 7440473	Inorganic	8	1997	50	1997
Chromium, trivalent (Cr(III)) CASRN 7440473	Inorganic	4.9	1997	50	1997
Cobalt	Inorganic	50	1987	1000	1987
Coliforms, fecal (Escherichia coli) E. coli	Biological	100 per 100 mL	1987	<i>No data</i>	<i>No data</i>
Coliforms, total Coliforms	Biological	1000 per 100 mL	1987	<i>No data</i>	<i>No data</i>
Colour CASRN N/A	Physical	<i>No data</i>	<i>No data</i>	Narrative	1999

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		Water Quality Guidelines for the Protection of Agriculture			
		Irrigation		Livestock	
		Concentration (µg/L)	Date	Concentration (µg/L)	Date
Chemical name	Chemical groups				
Copper	Inorganic	Variable	1987	Variable	1987
Cyanazine CASRN 2175462	Organic Pesticides Triazine compounds	0.5	1990	10	1990
Cyanobacteria Blue-green algae	Biological	<i>No data</i>	<i>No data</i>	Narrative	1999
Deltamethrin CASRN 52918635	Organic Pesticides	Insufficient data	1997	2.5	1997
Dibromochloromethane	Organic Halogenated aliphatic compounds Halogenated methanes	Insufficient data	1992	100	1992
Dicamba CASRN 1918009	Organic Pesticides Aromatic Carboxylic Acid	0.006	1993	122	1993
Dichloro diphenyl trichloroethane; 2,2-Bis(p-chlorophenyl)-1,1,1- trichloroethane DDT (total)	Organic Pesticides Organochlorine compounds	<i>No data</i>	<i>No data</i>	30	1987
Dichlorobromomethane	Organic Halogenated aliphatic compounds Halogenated methanes	Insufficient data	1992	100	1992
Dichloromethane Methylene chloride CASRN 75092	Organic Halogenated aliphatic compounds Halogenated methanes	Insufficient data	1992	50	1992
Diclofop-methyl CASRN 51338273	Organic Pesticides	0.18	1993	9	1993
Diethylene glycol CASRN 111466	Organic Glycols	Insufficient data	1997	Insufficient data	1997
Diisopropanolamine DIPA CASRN 110974	Organic	2 000	2006	Insufficient data	2006
Dimethoate CASRN 60515	Organic Pesticides Organophosphorus compounds	Insufficient data	1993	3	1993
Dinoseb CASRN 88857	Organic Pesticides	16	1992	150	1992
Endrin	Organic Pesticides Organochlorine compounds	<i>No data</i>	<i>No data</i>	0.2	1987

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		Water Quality Guidelines for the Protection of Agriculture			
		Irrigation		Livestock	
		Concentration (µg/L)	Date	Concentration (µg/L)	Date
Chemical name	Chemical groups				
Ethylbenzene CASRN 100414	Organic Monocyclic aromatic compounds	Insufficient data	1996	2.4	1996
Ethylene glycol CASRN 107211	Organic Glycols	Insufficient data	1997	Insufficient data	1997
Fluoride	Inorganic	1000	1987	Variable	1987
Glyphosate CASRN 1071836	Organic Pesticides Organophosphorus compounds	<i>No data</i>	<i>No data</i>	280	1989
Heptachlor Heptachlor epoxide	Organic Pesticides Organochlorine compounds	<i>No data</i>	<i>No data</i>	3	1987
Hexachlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	Insufficient data	1997	0.52	1991
Hexachlorocyclohexane Lindane	Organic Pesticides Organochlorine compounds	No data	<i>No data</i>	4	1987
Iron	Inorganic	5000	1987	<i>No data</i>	<i>No data</i>
Lead	Inorganic	200	1987	100	1987
Linuron CASRN 41205214	Organic Pesticides	0.071	1995	Insufficient data	1995
Lithium	Inorganic	2500	1987	<i>No data</i>	<i>No data</i>
Manganese	Inorganic	200	1987	<i>No data</i>	<i>No data</i>
Mercury CASRN 7439976	Inorganic	<i>No data</i>	<i>No data</i>	3	1987
Methylchlorophenoxyacetic acid (4-Chloro-2-methyl phenoxy acetic acid; 2-Methyl-4-chloro phenoxy acetic acid) MCPA CASRN 94746	Organic Pesticides	0.025	1995	25	1995
Metolachlor CASRN 51218452	Organic Pesticides Organochlorine compounds	28	1991	50	1991
Metribuzin CASRN 21087649	Organic Pesticides Triazine compounds	0.5	1990	80	1990
Molybdenum	Inorganic	Narrative	1987	500	1987



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		Water Quality Guidelines for the Protection of Agriculture			
		Irrigation		Livestock	
		Concentration (µg/L)	Date	Concentration (µg/L)	Date
Chemical name	Chemical groups				
Monobromomethane Methyl bromide	Organic Halogenated aliphatic compounds Halogenated methanes	<u>Insufficient data</u>	1992	<u>Insufficient data</u>	1992
Monochlorobenzene CASRN 108907	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>Insufficient data</u>	1997	<u>Insufficient data</u>	1997
Monochloromethane Methyl chloride	Organic Halogenated aliphatic compounds Halogenated methanes	<u>Insufficient data</u>	1992	<u>Insufficient data</u>	1992
Nickel	Inorganic	200	1987	1000	1987
Nitrate + Nitrite	Inorganic Inorganic nitrogen compounds	<i>No data</i>	<i>No data</i>	100 000 NO₃+NO₂-N	1987
Nitrite	Inorganic Inorganic nitrogen compounds	<i>No data</i>	<i>No data</i>	10 000 NO₂-N	1987
Pentachlorobenzene CASRN 608935	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>Insufficient data</u>	1997	<u>Insufficient data</u>	1997
Phenols (mono- & dihydric) CASRN 108952	Organic Aromatic hydroxy compounds	<i>No data</i>	<i>No data</i>	2	1987
Phenoxy herbicides 2,4 D; 2,4-Dichlorophenoxyacetic acid	Organic Pesticides	<i>No data</i>	<i>No data</i>	100	1987
Picloram CASRN 1918021	Organic Pesticides	<u>Insufficient data</u>	1990	190	1990
Propylene glycol CASRN 57556	Organic Glycols	<u>Insufficient data</u>	1997	<u>Insufficient data</u>	1997
Selenium	Inorganic	Variable	1987	50	1987
Simazine CASRN 122349	Organic Pesticides Triazine compounds	0.5	1991	10	1991
Sulfolane Bondelane CASRN 126330	Organic Organic sulphur compound	500	2005	<u>Insufficient data</u>	2005
Sulphate	Inorganic Inorganic sulphur compounds	<i>No data</i>	<i>No data</i>	1 000 000	1987
Tebuthiuron CASRN 34014181	Organic Pesticides	0.27 (cereals, tame hays, and pastures)	1995	130	1995




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		Water Quality Guidelines for the Protection of Agriculture			
		Irrigation		Livestock	
		Concentration (µg/L)	Date	Concentration (µg/L)	Date
Chemical name	Chemical groups				
<u>Tetrachloromethane</u> Carbon tetrachloride CASRN 56235	Organic Halogenated aliphatic compounds Halogenated methanes	<u>Insufficient data</u>	1992	<u>5</u>	1992
<u>Toluene</u> CASRN 108883	Organic Monocyclic aromatic compounds	<u>Insufficient data</u>	1996	<u>24</u>	1996
<u>Total dissolved solids (salinity)</u> TDS	Physical Turbidity, clarity and suspended solids	<u>Variable</u>	1987	<u>3 000 000</u>	1987
<u>Toxaphene</u>	Organic Pesticides Organochlorine compounds	<i>No data</i>	<i>No data</i>	<u>5</u>	1987
<u>Triallate</u> CASRN 2303175	Organic Pesticides Carbamate pesticides	<u>Insufficient data</u>	1992	<u>230</u>	1992
<u>Tribromomethane</u> Bromoform	Organic Halogenated aliphatic compounds Halogenated methanes	<u>Insufficient data</u>	1992	<u>100</u>	1992
<u>Tributyltin</u>	Organic Organotin compounds	Insufficient data	1992	250	1992
<u>Trichloromethane</u> Chloroform CASRN 67663	Organic Halogenated aliphatic compounds Halogenated methanes	<u>Insufficient data</u>	1992	<u>100</u>	1992
<u>Tricyclohexyltin</u>	Organic Organotin compounds	Insufficient data	1992	<u>250</u>	1992
<u>Trifluralin</u> CASRN 1582098	Organic Pesticides Dinitroaniline pesticides	Insufficient data	1992	<u>45</u>	1992
<u>Triphenyltin</u>	Organic Organotin compounds	Insufficient data	1992	<u>820</u>	1992
<u>Uranium</u> CASRN 7440-61-1	Inorganic	<u>10</u>	1987	<u>200</u>	1987
<u>Vanadium</u>	Inorganic	<u>100</u>	1987	<u>100</u>	1987
<u>Zinc</u>	Inorganic	<u>Equation</u>	1987	<u>50 000</u>	1987

		Sediment Quality Guidelines for the Protection of Aquatic Life				
		Freshwater			Marine	
		Concentration (µg/kg)	Concentration (µg/kg)	Date	Concentration (µg/kg)	Concentration (µg/kg)
Chemical name	Chemical groups	ISQG	PEL		ISQG	PEL

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		Sediment Quality Guidelines for the Protection of Aquatic Life					
		Freshwater			Marine		
		Concentration (µg/kg)	Concentration (µg/kg)	Date	Concentration (µg/kg)	Concentration (µg/kg)	Date
Chemical name	Chemical groups	ISQG	PEL		ISQG	PEL	
2-Methylnaphthalene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	20.2	201	1998	20.2	201	1998
Acenaphthene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	6.71	88.9	1998	6.71	88.9	1998
Acenaphthylene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	5.87	128	1998	5.87	128	1998
Anthracene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	46.9	245	1998	46.9	245	1998
Aroclor 1254 PCBs	Organic Polyaromatic compounds Polychlorinated biphenyls	60	340	2001	63.3	709	2001
Arsenic CASRN none	Inorganic	5900	17 000	1998	7240	41 600	1998
Benzo(a)anthracene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	31.7	385	1998	74.8	693	1998
Benzo(a)pyrene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	31.9	782	1998	88.8	763	1998
Cadmium CASRN 7440439	Inorganic	600	3500	1997	700	4200	1997
Chlordane	Organic Pesticides Organochlorine compounds	4.5	8.87	1998	2.26	4.79	1998
Chromium (total) CASRN 7440-47-3	Inorganic	37 300	90 000	1998	52 300	160 000	1998
Chrysene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	57.1	862	1998	108	846	1998

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		Sediment Quality Guidelines for the Protection of Aquatic Life					
		Freshwater			Marine		
		Concentration (µg/kg)	Concentration (µg/kg)	Date	Concentration (µg/kg)	Concentration (µg/kg)	Date
Chemical name	Chemical groups	ISQG	PEL		ISQG	PEL	
Copper	Inorganic	35 700	197 000	1998	18 700	108 000	1998
Dibenz(a,h)anthracene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	6.22	135	1998	6.22	135	1998
Dichloro diphenyl dichloroethane, 2,2-Bis (p-chlorophenyl)-1,1- dichloroethane DDD	Organic Pesticides Organochlorine compounds	3.54	8.51	1998	1.22	7.81	1998
Dichloro diphenyl ethylene, 1,1-Dichloro- 2,2-bis(p- chlorophenyl)-ethene DDE	Organic Pesticides Organochlorine compounds	1.42	6.75	1998	2.07	374	1998
Dichloro diphenyl trichloroethane; 2,2- Bis(p-chlorophenyl)- 1,1,1-trichloroethane DDT (total)	Organic Pesticides Organochlorine compounds	1.19	4.77	1998	1.19	4.77	1998
Dieldrin	Organic Pesticides Organochlorine compounds	2.85	6.67	1998	0.71	4.3	1998
Endrin	Organic Pesticides Organochlorine compounds	2.67	62.4	1998	2.67	62.4	1998
Fluoranthene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	111	2355	1998	113	1494	1998
Fluorene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	21.2	144	1998	21.2	144	1998
Heptachlor Heptachlor epoxide	Organic Pesticides Organochlorine compounds	0.6	2.74	1998	0.6	2.74	1998
Hexachlorocyclohexane Lindane	Organic Pesticides Organochlorine compounds	0.94	1.38	1998	0.32	0.99	1998

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		Sediment Quality Guidelines for the Protection of Aquatic Life					
		Freshwater			Marine		
		Concentration (µg/kg)	Concentration (µg/kg)	Date	Concentration (µg/kg)	Concentration (µg/kg)	Date
Chemical name	Chemical groups	ISQG	PEL		ISQG	PEL	
Lead	Inorganic	35 000	91 300	1998	30 200	112 000	1998
Mercury CASRN 7439976	Inorganic	170	486	1997	130	700	1997
Naphthalene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	34.6	391	1998	34.6	391	1998
Nonylphenol and its ethoxylates CASRN 84852153	Organic Nonylphenol and its ethoxylates	1400	<i>No data</i>	2002	1000	<i>No data</i>	2002
Phenanthrene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	41.9	515	1998	86.7	544	1998
Polychlorinated biphenyls PCBs	Organic Polyaromatic compounds Polychlorinated biphenyls	34.1	277	2001	21.5	189	2001
Polychlorinated dibenzo-p- dioxins/dibenzo furans PCDDs, PCDFs	Organic Polyaromatic compounds Polychlorinated dioxins and furans	0.85 ng TEQ/kg dry weight	21.5 ng TEQ/kg dry weight	2001	0.85 ng TEQ/kg dry weight	21.5 ng TEQ/kg dry weight	2001
Pyrene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	53	875	1998	153	1398	1998
Toxaphene	Organic Pesticides Organochlorine compounds	0.1	No PEL derived	2002	0.1	No PEL derived	2002
Zinc	Inorganic	123 000	315 000	1998	124 000	271 000	1998

		Soil Quality Guidelines for the Protection of Environmental and Human Health				
		Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Date
Chemical name	Chemical groups	Agricultural	Residential/ parkland	Commercial	Industrial	

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		Soil Quality Guidelines for the Protection of Environmental and Human Health				
		Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Date
Chemical name	Chemical groups	Agricultural	Residential/ parkland	Commercial	Industrial	
1,1,1-Trichloroethane CASRN 71556	Organic Halogenated aliphatic compounds Chlorinated ethanes	<u>0.1</u>	<u>5</u>	<u>50</u>	<u>50</u>	1991
1,1,2,2-Tetrachloroethene PCE (Tetrachloroethylene) CASRN 127184	Organic Halogenated aliphatic compounds Chlorinated ethenes	<u>0.1</u>	<u>0.2</u>	<u>0.5</u>	<u>0.6</u>	1997
1,1,2,2-Tetrachloroethane CASRN 79345	Organic Halogenated aliphatic compounds Chlorinated ethanes	<u>0.1</u>	<u>5</u>	<u>50</u>	<u>50</u>	1991
1,1,2-Trichloroethane	Organic Halogenated aliphatic compounds Halogenated methanes	<u>0.1</u>	<u>5</u>	<u>50</u>	<u>50</u>	1991
1,1,2-Trichloroethene TCE (Trichloroethylene) CASRN 79-01-6	Organic Halogenated aliphatic compounds Chlorinated ethenes	<u>0.01</u>	<u>0.01</u>	<u>0.01</u>	<u>0.01</u>	2006
1,1-Dichloroethane	Organic Halogenated aliphatic compounds Chlorinated ethanes	<u>0.1</u>	<u>5</u>	<u>50</u>	<u>50</u>	1991
1,1-Dichloroethene Dichloroethylene	Organic Halogenated aliphatic compounds Chlorinated ethenes	<u>0.1</u>	<u>5</u>	<u>50</u>	<u>50</u>	1991
1,2,3,4-Tetrachlorobenzene CASRN 634662	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>0.05</u>	<u>2</u>	<u>10</u>	<u>10</u>	1991
1,2,3,5-Tetrachlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>0.05</u>	<u>2</u>	<u>10</u>	<u>10</u>	1991
1,2,3-Trichlorobenzene CASRN 87616	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>0.05</u>	<u>2</u>	<u>10</u>	<u>10</u>	1991

		Soil Quality Guidelines for the Protection of Environmental and Human Health				
		Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Date
Chemical name	Chemical groups	Agricultural	Residential/ parkland	Commercial	Industrial	
1,2,4,5-Tetrachlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>0.05</u>	<u>2</u>	<u>10</u>	<u>10</u>	1991
1,2,4-Trichlorobenzene CASRN 120801	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>0.05</u>	<u>2</u>	<u>10</u>	<u>10</u>	1991
1,2-Dichlorobenzene CASRN 95501	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>0.1</u>	<u>1</u>	<u>10</u>	<u>10</u>	1991
1,2-Dichloroethane CASRN 1070602	Organic Halogenated aliphatic compounds Chlorinated ethanes	<u>0.1</u>	<u>5</u>	<u>50</u>	<u>50</u>	1991
1,2-Dichloroethene	Organic Halogenated aliphatic compounds Chlorinated ethenes	<u>0.1</u>	<u>5</u>	<u>50</u>	<u>50</u>	1991
1,2-Dichloropropane	Organic Halogenated aliphatic compounds Halogenated methanes	<u>0.1</u>	<u>5</u>	<u>50</u>	<u>50</u>	1991
1,2-Dichloropropene (cis and trans)	Organic Halogenated aliphatic compounds Halogenated methanes	<u>0.1</u>	<u>5</u>	<u>50</u>	<u>50</u>	1991
1,3,5-Trichlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>0.05</u>	<u>2</u>	<u>10</u>	<u>10</u>	1991
1,3-Dichlorobenzene CASRN 541731	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>0.1</u>	<u>1</u>	<u>10</u>	<u>10</u>	1991
1,4-Dichlorobenzene CASRN 106467	Organic Monocyclic aromatic compounds Chlorinated benzenes	<u>0.1</u>	<u>1</u>	<u>10</u>	<u>10</u>	1991
2,3,4,6-Tetrachlorophenol	Organic Monocyclic aromatic compounds Chlorinated phenols	<u>0.05</u>	<u>0.5</u>	<u>5</u>	<u>5</u>	1991

		Soil Quality Guidelines for the Protection of Environmental and Human Health				
		Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Date
Chemical name	Chemical groups	Agricultural	Residential/ parkland	Commercial	Industrial	
2,4,6-Trichlorophenol	Organic Monocyclic aromatic compounds Chlorinated phenols	0.05	0.5	5	5	1991
2,4-Dichlorophenol	Organic Monocyclic aromatic compounds Chlorinated phenols	0.05	0.5	5	5	1991
Acenaphthene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008
Acenaphthylene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008
Aliphatics nonchlorinated (each)	Organic Non- halogenated aliphatic compounds	0.3	<i>No data</i>	<i>No data</i>	<i>No data</i>	1991
Anthracene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008
Antimony	Inorganic	20	20	40	40	1991
Arsenic CASRN none	Inorganic	12	12	12	12	1997
Barium	Inorganic	750	500	2000	2000	1999
Benzene CASRN 71432	Organic Monocyclic aromatic compounds	Table	Table	Table	Table	2004
Benzo(a)anthracene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008
Benzo(a)pyrene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008
Benzo(b)fluoranthene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008

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		Soil Quality Guidelines for the Protection of Environmental and Human Health				
		Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Date
Chemical name	Chemical groups	Agricultural	Residential/ parkland	Commercial	Industrial	
Benzo(k)fluoranthene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008
Beryllium	Inorganic	4	4	8	8	1991
Boron	Inorganic	2	<i>No data</i>	<i>No data</i>	<i>No data</i>	1991
Cadmium CASRN 7440439	Inorganic	1.4	10	22	22	1999
Chromium (total) CASRN 7440-47-3	Inorganic	64	64	87	87	1997
Chromium, hexavalent (Cr(VI)) CASRN 7440473	Inorganic	0.4	0.4	1.4	1.4	1999
Chrysene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008
Cobalt	Inorganic	40	50	300	300	1991
Conductivity	Physical	2 dS/m	2 dS/m	4 dS/m	4 dS/m	1991
Copper	Inorganic	63	63	91	91	1999
Cyanide	Inorganic	0.9	0.9	8	8	1997
Dibenz(a,h)anthracene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008
Dichloro diphenyl trichloroethane; 2,2-Bis(p- chlorophenyl)-1,1,1- trichloroethane DDT (total)	Organic Pesticides Organochlorine compounds	0.7	0.7	12	12	1999
Dichloromethane Methylene chloride CASRN 75092	Organic Halogenated aliphatic compounds Halogenated methanes	0.1	5	50	50	1991
Dichlorophenols	Organic Monocyclic aromatic compounds Chlorinated phenols	0.05	0.5	5	5	1991
Diisopropanolamine DIPA CASRN 110974	Organic	180	180	180	180	2006

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		Soil Quality Guidelines for the Protection of Environmental and Human Health					
		Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Date	
Chemical name	Chemical groups	Agricultural	Residential/ parkland	Commercial	Industrial		
Ethylbenzene CASRN 100414	Organic Monocyclic aromatic compounds	Table	Table	Table	Table	2004	
Ethylene glycol CASRN 107211	Organic Glycols	960	960	960	960	1999	
Fluoranthene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008	
Fluorene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008	
Fluoride	Inorganic	200	400	2000	2000	1991	
Hexachlorobenzene	Organic Monocyclic aromatic compounds Chlorinated benzenes	0.05	2	10	10	1991	
Hexachlorocyclohexane Lindane	Organic Pesticides Organochlorine compounds	0.01	<i>No data</i>	<i>No data</i>	<i>No data</i>	1991	
Indeno(1,2,3-c,d)pyrene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008	
Lead	Inorganic	70	140	260	600	1999	
Mercury CASRN 7439976	Inorganic	6.6	6.6	24	50	1999	
Molybdenum	Inorganic	5	10	40	40	1991	
Monochlorobenzene CASRN 108907	Organic Monocyclic aromatic compounds Chlorinated benzenes	0.1	1	10	10	1991	
Monochlorophenols	Organic Monocyclic aromatic compounds Chlorinated phenols	0.05	0.5	5	5	1991	
Naphthalene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008	



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		Soil Quality Guidelines for the Protection of Environmental and Human Health				
		Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Date
Chemical name	Chemical groups	Agricultural	Residential/ parkland	Commercial	Industrial	
Nickel	Inorganic	50	50	50	50	1999
Nonylphenol and its ethoxylates CASRN 84852153	Organic Nonylphenol and its ethoxylates	5.7	5.7	14	14	2002
n-hexane CASRN 110-54-3	Aliphatic hydrocarbon	Table	Table	Table	Table	2011
Pentachlorobenzene CASRN 608935	Organic Monocyclic aromatic compounds Chlorinated benzenes	0.05	2	10	10	1991
Pentachlorophenol PCP	Organic Monocyclic aromatic compounds Chlorinated phenols	7.6	7.6	7.6	7.6	1997
Phenanthrene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008
Phenolic compounds, nonchlorinated	Organic Non- halogenated aromatic hydroxy compounds	0.1	1	10	10	1991
Phenols (mono- & dihydric) CASRN 108952	Organic Aromatic hydroxy compounds	3.8	3.8	3.8	3.8	1997
Phthalic acid esters (each)	Organic Phthalate esters	30	<i>No data</i>	<i>No data</i>	<i>No data</i>	1991
Polychlorinated biphenyls PCBs	Organic Polyaromatic compounds Polychlorinated biphenyls	0.5	1.3	33	33	1999
Polychlorinated dibenzo-p-dioxins/dibenzo furans PCDDs, PCDFs	Organic Polyaromatic compounds Polychlorinated dioxins and furans	4 ng TEQ.kg-1	4 ng TEQ.kg-1	4 ng TEQ.kg-1	4 ng TEQ.kg-1	2002
Propylene glycol CASRN 57556	Organic Glycols	insufficient information	insufficient information	insufficient information	insufficient information	2006
Pyrene PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	Consult Factsheet	Consult Factsheet	Consult Factsheet	Consult Factsheet	2008
pH	Inorganic Acidity, alkalinity and pH	6 to 8	6 to 8	6 to 8	6 to 8	1991

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		Soil Quality Guidelines for the Protection of Environmental and Human Health				
		Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Date
Chemical name	Chemical groups	Agricultural	Residential/ parkland	Commercial	Industrial	
Quinoline PAHs	Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons	0.1	<i>No data</i>	<i>No data</i>	<i>No data</i>	1991
Selenium	Inorganic	1	1	2.9	2.9	2009
Silver	Inorganic	20	20	40	40	1991
Sodium adsorption ratio SAR		5	5	12	12	1991
Styrene CASRN 100425	Organic Monocyclic aromatic compounds	0.1	5	50	50	1991
Sulfolane Bondelane CASRN 126330	Organic Organic sulphur compound	0.8	0.8	0.8	0.8	2006
Sulphur (elemental)	Inorganic Inorganic sulphur compounds	500	<i>No data</i>	<i>No data</i>	<i>No data</i>	1991
Tetrachloromethane Carbon tetrachloride CASRN 56235	Organic Halogenated aliphatic compounds Halogenated methanes	0.1	5	50	50	1991
Tetrachlorophenols	Organic Monocyclic aromatic compounds Chlorinated phenols	0.05	0.5	5	5	1991
Thallium	Inorganic	1	1	1	1	1999
Thiophene	Miscellaneous organic compound	0.1	<i>No data</i>	<i>No data</i>	<i>No data</i>	1991
Tin	Inorganic	5	50	300	300	1991
Toluene CASRN 108883	Organic Monocyclic aromatic compounds	Table	Table	Table	Table	2004
Trichloromethane Chloroform CASRN 67663	Organic Halogenated aliphatic compounds Halogenated methanes	0.1	5	50	50	1991
Trichlorophenols	Organic Monocyclic aromatic compounds Chlorinated phenols	0.05	0.5	5	5	1991
Uranium CASRN 7440-61-1	Inorganic	23	23	33	300	2007
Vanadium	Inorganic	130	130	130	130	1997



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Soil Quality Guidelines for the Protection of Environmental and Human Health						
		Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Concentration (mg/kg dry weight)	Date
Chemical name	Chemical groups	Agricultural	Residential/ parkland	Commercial	Industrial	
Xylene	Organic Monocyclic aromatic compounds	Table	Table	Table	Table	2004
Zinc	Inorganic	200	200	360	360	1999

		Tissue Residue Quality Guidelines for the Protection of Wildlife Consumer of Aquatic Biota		
		Concentration (µg/kg diet wet weight)	Date	
Chemical name	Chemical groups			
Dichloro diphenyl trichloroethane; 2,2-Bis(p-chlorophenyl)-1,1,1-trichloroethane DDT (total)	Organic Pesticides Organochlorine compounds	14		1997
Methylmercury	Organic	33		2001
Polychlorinated biphenyls PCBs	Organic Polyaromatic compounds Polychlorinated biphenyls	Variable		1998
Polychlorinated dibenzo-p-dioxins/dibenzo furans PCDDs, PCDFs	Organic Polyaromatic compounds Polychlorinated dioxins and furans	Variable		2001
Toxaphene	Organic Pesticides Organochlorine compounds	6.3		1997

Air Quality Guidelines for the Protection of Human Health and the Environment				
		Concentration	Date	
Chemical name	Chemical groups		Published	Reviewed



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		Air Quality Guidelines for the Protection of Human Health and the Environment		
		Concentration	Date	
Chemical name	Chemical groups		Published	Reviewed
<u>Carbon monoxide</u>	Inorganic Inorganic carbon compound	<u>Table j</u>	1974-1978	1996
<u>Hydrogen fluoride</u>	Inorganic Inorganic fluorides	<u>Table j</u>	1997	<i>No data</i>
<u>Nitrogen dioxide</u>	Inorganic Inorganic nitrogen compounds	<u>Table j</u>	1975-1978	1989
<u>Ozone</u>	Inorganic	<u>Table j</u>	1974-1978	1989
<u>Particulate matter <10 ug/m3</u> PM10	Physical	<u>Table j</u>	1998	<i>No data</i>
<u>Particulate matter <2.5 ug/m3</u> PM2.5	Physical	<u>Table j</u>	1998	<i>No data</i>
<u>Sulphur dioxide</u>	Inorganic Inorganic sulphur compounds	<u>Table</u>	1974-1978	1989
<u>Total suspended particulates (in air)</u> TSS	Physical Turbidity, clarity and suspended solids Total particulate matter	<u>Table j</u>	1974-1978	1989



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