

Users are advised to consult the Canadian Environmental Quality Guidelines introductory text, factsheet, and/or protocols for specific information and implementation guidance pertaining to each environmental quality guideline.

| | | 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-Tetrachlorethane 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 |
| 1,2,3-Trichlorobenzene CASRN 87616 | Organic Monocyclic aromatic compounds Chlorinated benzenes | No data | 8 | 1997 | No data | Insufficient data | 1997 |

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|---|--|----------------|-------------------|------|----------------|-------------------|----------------|
| 1,2,4,5-Tetrachlorobenzene | Organic Monocyclic aromatic compounds Chlorinated benzenes | <i>No data</i> | Insufficient data | 1997 | <i>No data</i> | Insufficient data | 1997 |
| 1,2,4-Trichlorobenzene CASRN 120801 | Organic Monocyclic aromatic compounds Chlorinated benzenes | <i>No data</i> | 24 | 1997 | <i>No data</i> | 5.4 | 1997 |
| 1,2-Dichlorobenzene CASRN 95501 | Organic Monocyclic aromatic compounds Chlorinated benzenes | <i>No data</i> | 0.7 | 1997 | <i>No data</i> | 42 | 1997 |
| 1,2-Dichloroethane CASRN 1070602 | Organic Halogenated aliphatic compounds Chlorinated ethanes | <i>No data</i> | 100 | 1991 | <i>No data</i> | Insufficient data | 1991 |
| 1,3,5-Trichlorobenzene | Organic Monocyclic aromatic compounds Chlorinated benzenes | <i>No data</i> | Insufficient data | 1997 | <i>No data</i> | Insufficient data | 1997 |
| 1,3-Dichlorobenzene CASRN 541731 | Organic Monocyclic aromatic compounds Chlorinated benzenes | <i>No data</i> | 150 | 1997 | <i>No data</i> | Insufficient data | 1997 |
| 1,4-Dichlorobenzene CASRN 106467 | Organic Monocyclic aromatic compounds Chlorinated benzenes | <i>No data</i> | 26 | 1997 | <i>No data</i> | 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 | <i>No data</i> | 1.9 | 1999 | <i>No data</i> | <i>No data</i> | <i>No data</i> |

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|---|--|---------|------------------|------|---------|-------------------|---------|
| Acenaphthene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | No data | 5.8 | 1999 | No data | Insufficient data | 1999 |
| Acenaphthylene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | No data | No data | 1999 | No data | No data | 1999 |
| Acridine PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | No data | 4.4 | 1999 | No data | Insufficient data | 1999 |
| Aldicarb CASRN 116063 | Organic Pesticides Carbamate pesticides | No data | 1 | 1993 | No data | 0.15 | 1993 |
| Aldrin | Organic Pesticides Organochlorine compounds | No data | 0.004 | 1987 | No data | No data | No data |
| Aluminium | Inorganic Metals | No data | Variable | 1987 | No data | No data | No data |
| Ammonia (total) | Inorganic Inorganic nitrogen compounds | No data | Table | 2001 | No data | No data | No data |
| Ammonia (un-ionized) CASRN 7664417 | Inorganic Inorganic nitrogen compounds | No data | 19 | 2001 | No data | No data | No data |
| Aniline CASRN 62533 | Organic | No data | 2.2 | 1993 | No data | Insufficient data | 1993 |
| Anthracene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | No data | 0.012 | 1999 | No data | Insufficient data | 1999 |
| Arsenic CASRN none | Inorganic Metals | No data | 5 | 1997 | No data | 12.5 | 1997 |

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|--|--|-------------------------|----------------------|------|----------------|-------------------|----------------|
| 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> |
| Benz(a)anthracene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | <i>No data</i> | 0.018 | 1999 | <i>No data</i> | Insufficient data | 1999 |
| Benzene CASRN 71432 | Organic Monocyclic aromatic compounds | <i>No data</i> | 370 | 1999 | <i>No data</i> | 110 | 1999 |
| Benzo(a)pyrene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | <i>No data</i> | 0.015 | 1999 | <i>No data</i> | Insufficient data | 1999 |
| Boron | Inorganic Metals | 29,000µg/L or 29mg/L | 1,500µg/L or 1.5mg/L | 2009 | NRG | NRG | 2009 |
| Bromacil CASRN 314409 | Organic Pesticides | <i>No data</i> | 5 | 1997 | <i>No data</i> | Insufficient data | 1997 |
| Bromoxynil | Organic Pesticides Benzonitrile compounds | <i>No data</i> | 5 | 1993 | <i>No data</i> | Insufficient data | 1993 |
| Cadmium CASRN 7440439 | Inorganic Metals | 1.0 | 0.09 | 2014 | NRG | 0.12 | 2014 |
| Captan CASRN 133062 | Organic Pesticides | <i>No data</i> | 1.3 | 1991 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Carbamazepine 5H-Dibenzo[b,f]azepine-5- carboxamide; CBZ | | NRG | 10 | 2018 | NRG | NRG | 2018 |
| Carbaryl CASRN 63252 | Organic Pesticides Carbamate pesticides | 3.3 | 0.2 | 2009 | 5.7 | 0.29 | 2009 |
| Carbofuran CASRN 1564662 | Organic Pesticides Carbamate pesticides | <i>No data</i> | 1.8 | 1989 | <i>No data</i> | <i>No data</i> | <i>No data</i> |

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|--|--|--------------------------|--------------------------|---------|---------|-------------------|---------|
| 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 Metals | No data | 1 | 1997 | No data | 1.5 | 1997 |
| Chromium, trivalent (Cr(III)) CASRN 7440473 | Inorganic Metals | No data | 8.9 | 1997 | No data | 56 | 1997 |
| Chrysene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | No data | Insufficient data | 1999 | No data | Insufficient data | 1999 |
| Colour CASRN N/A | Physical | No data | Narrative | 1999 | No data | Narrative | 1999 |
| Copper | Inorganic Metals | No data | Equation | 1987 | No data | No data | No data |
| Cyanazine CASRN 2175462 | Organic Pesticides Triazine compounds | No data | 2 | 1990 | No data | No data | No data |
| Cyanide | Inorganic | No data | 5 (as free CN) | 1987 | No data | No data | No data |
| Debris CASRN N/A | Physical | No data | No data | No data | No data | Narrative | 1996 |
| Deltamethrin CASRN 52918635 | Organic Pesticides | No data | 0.0004 | 1997 | No data | Insufficient data | 1997 |

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|--|--|----------------|-------------------|------|----------------|-------------------|----------------|
| Deposited bedload sediment | Physical Turbidity, clarity and suspended solids Total particulate matter | <i>No data</i> | Insufficient data | 1999 | <i>No data</i> | Insufficient data | 1999 |
| Di(2-ethylhexyl) phthalate CASRN 117817 | Organic Phthalate esters | <i>No data</i> | 16 | 1993 | <i>No data</i> | Insufficient data | 1993 |
| Di-n-butyl phthalate CASRN 84742 | Organic Phthalate esters | <i>No data</i> | 19 | 1993 | <i>No data</i> | Insufficient data | 1993 |
| Di-n-octyl phthalate CASRN 117840 | Organic Phthalate esters | <i>No data</i> | Insufficient data | 1993 | <i>No data</i> | Insufficient data | 1993 |
| Dibromochloromethane | Organic Halogenated aliphatic compounds Halogenated methanes | <i>No data</i> | Insufficient data | 1992 | <i>No data</i> | Insufficient data | 1992 |
| Dicamba CASRN 1918009 | Organic Pesticides Aromatic Carboxylic Acid | <i>No data</i> | 10 | 1993 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Dichloro diphenyl trichloroethane; 2,2-Bis(p-chlorophenyl)-1,1,1- trichloroethane DDT (total) | Organic Pesticides Organochlorine compounds | <i>No data</i> | 0.004 | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Dichlorobromomethane | Organic Halogenated aliphatic compounds Halogenated methanes | <i>No data</i> | Insufficient data | 1992 | <i>No data</i> | Insufficient data | 1992 |
| Dichloromethane Methylene chloride CASRN 75092 | Organic Halogenated aliphatic compounds Halogenated methanes | <i>No data</i> | 98.1 | 1992 | <i>No data</i> | Insufficient data | 1992 |
| Dichlorophenols | Organic Monocyclic aromatic compounds Chlorinated phenols | <i>No data</i> | 0.2 | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Diclofop-methyl CASRN 51338273 | Organic Pesticides | <i>No data</i> | 6.1 | 1993 | <i>No data</i> | <i>No data</i> | <i>No data</i> |

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|--|--|----------------|-------------------|------|----------------|-------------------|----------------|
| Didecyl dimethyl ammonium chloride DDAC CASRN 7173515 | Organic Pesticides | <i>No data</i> | 1.5 | 1999 | <i>No data</i> | Insufficient data | 1999 |
| Diethylene glycol CASRN 111466 | Organic Glycols | <i>No data</i> | Insufficient data | 1997 | <i>No data</i> | Insufficient data | 1997 |
| Diisopropanolamine DIPA CASRN 110974 | Organic | <i>No data</i> | 1600 | 2005 | <i>No data</i> | Insufficient data | 2005 |
| Dimethoate CASRN 60515 | Organic Pesticides Organophosphorus compounds | <i>No data</i> | 6.2 | 1993 | <i>No data</i> | Insufficient data | 1993 |
| Dinoseb CASRN 88857 | Organic Pesticides | <i>No data</i> | 0.05 | 1992 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Dissolved gas supersaturation CASRN N/A | Physical | <i>No data</i> | Narrative | 1999 | <i>No data</i> | Narrative | 1999 |
| Dissolved oxygen DO CASRN N/A | Inorganic | <i>No data</i> | Variable | 1999 | <i>No data</i> | >8000 & Narrative | 1996 |
| Endosulfan | Organic Pesticides Organochlorine compounds | 0.06 | 0.003 | 2010 | 0.09 | 0.002 | 2010 |
| Endrin | Organic Pesticides Organochlorine compounds | <i>No data</i> | 0.0023 | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Ethylbenzene CASRN 100414 | Organic Monocyclic aromatic compounds | <i>No data</i> | 90 | 1996 | <i>No data</i> | 25 | 1996 |
| Ethylene glycol CASRN 107211 | Organic Glycols | <i>No data</i> | 192 000 | 1997 | <i>No data</i> | Insufficient data | 1997 |

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|---|--|----------------|-------------------|------|----------------|-------------------|----------------|
| Fluoranthene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | <i>No data</i> | 0.04 | 1999 | <i>No data</i> | Insufficient data | 1999 |
| Fluorene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | <i>No data</i> | 3 | 1999 | <i>No data</i> | Insufficient data | 1999 |
| Fluoride | Inorganic | <i>No data</i> | 120 | 2002 | <i>No data</i> | NRG | 2002 |
| Fluoride CASRN 7782414 | Inorganic | <i>No data</i> | 120 | 2002 | <i>No data</i> | <i>No data</i> | 2002 |
| Glyphosate CASRN 1071836 | Organic Pesticides Organophosphorus compounds | 27,000 | 800 | 2012 | NRG | NRG | 2012 |
| Heptachlor Heptachlor epoxide | Organic Pesticides Organochlorine compounds | <i>No data</i> | 0.04 | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Hexachlorobenzene | Organic Monocyclic aromatic compounds Chlorinated benzenes | <i>No data</i> | Insufficient data | 1997 | <i>No data</i> | Insufficient data | 1997 |
| Hexachlorobutadiene HCBD CASRN 87683 | Organic Halogenated aliphatic compounds | <i>No data</i> | 1.3 | 1999 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Hexachlorocyclohexane Lindane | Organic Pesticides Organochlorine compounds | <i>No data</i> | 0.01 | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Imidacloprid CASRN 13826413 | | <i>No data</i> | 0.23 | 2007 | <i>No data</i> | 0.65 | 2007 |
| Iron | Inorganic Metals | <i>No data</i> | 300 | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Lead | Inorganic Metals | <i>No data</i> | Equation | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |

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|--|---|----------------|--|------|----------------|-------------------|----------------|
| Linuron CASRN 41205214 | Organic Pesticides | <i>No data</i> | 7 | 1995 | <i>No data</i> | <i>No data</i> | 1995 |
| Mercury CASRN 7439976 | Inorganic Metals | <i>No data</i> | 0.026 | 2003 | <i>No data</i> | 0.016 | 2003 |
| Methoprene CASRN 40596698 | | <i>No data</i> | 0.09 (Target Organism Management value: 0.53) | 2007 | <i>No data</i> | Insufficient data | 2007 |
| Methyl tertiary-butyl ether MTBE CASRN 1634044 | Organic Non-halogenated aliphatic compounds Aliphatic ether | <i>No data</i> | 10 000 | 2003 | <i>No data</i> | 5 000 | 2003 |
| Methylchlorophenoxyacetic acid (4-Chloro-2-methyl phenoxy acetic acid; 2-Methyl-4-chloro phenoxy acetic acid) MCPA CASRN 94746 | Organic Pesticides | <i>No data</i> | 2.6 | 1995 | <i>No data</i> | 4.2 | 1995 |
| Methylmercury | Organic | <i>No data</i> | 0.004 | 2003 | <i>No data</i> | NRG | 2003 |
| Metolachlor CASRN 51218452 | Organic Pesticides Organochlorine compounds | <i>No data</i> | 7.8 | 1991 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Metribuzin CASRN 21087649 | Organic Pesticides Triazine compounds | <i>No data</i> | 1 | 1990 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Molybdenum | Inorganic Metals | <i>No data</i> | 73 | 1999 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Monobromomethane Methyl bromide | Organic Halogenated aliphatic compounds Halogenated methanes | <i>No data</i> | Insufficient data | 1992 | <i>No data</i> | Insufficient data | 1992 |
| Monochlorobenzene CASRN 108907 | Organic Monocyclic aromatic compounds Chlorinated benzenes | <i>No data</i> | 1.3 | 1997 | <i>No data</i> | 25 | 1997 |

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|--|--|-----------------------------|------------------------|------|--------------------------------|-----------------------------|----------------|
| Monochloromethane Methyl chloride | Organic Halogenated aliphatic compounds Halogenated methanes | <i>No data</i> | Insufficient data | 1992 | <i>No data</i> | Insufficient data | 1992 |
| Monochlorophenols | Organic Monocyclic aromatic compounds Chlorinated phenols | <i>No data</i> | 7 | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Naphthalene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | <i>No data</i> | 1.1 | 1999 | <i>No data</i> | 1.4 | 1999 |
| Nickel | Inorganic Metals | <i>No data</i> | Equation | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| 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 |
| Nitrite | Inorganic Inorganic nitrogen compounds | <i>No data</i> | 60 NO ₂ -N | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Nonylphenol and its ethoxylates CASRN 84852153 | Organic Nonylphenol and its ethoxylates | <i>No data</i> | 1 | 2002 | <i>No data</i> | 0.7 | 2002 |
| Nutrients | | <i>No data</i> | Guidance Framework | 2004 | <i>No data</i> | Guidance framework | 2007 |
| Pentachlorobenzene CASRN 608935 | Organic Monocyclic aromatic compounds Chlorinated benzenes | <i>No data</i> | 6 | 1997 | <i>No data</i> | Insufficient data | 1997 |
| Pentachlorophenol PCP | Organic Monocyclic aromatic compounds Chlorinated phenols | <i>No data</i> | 0.5 | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Permethrin CASRN 52645531 | Organic Pesticides Organochlorine compounds | <i>No data</i> | 0.004 | 2006 | <i>No data</i> | 0.001 | 2006 |

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|--|--|----------------|--------------------|------|----------------|---------------------------|----------------|
| Phenanthrene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | <i>No data</i> | 0.4 | 1999 | <i>No data</i> | Insufficient data | 1999 |
| Phenols (mono- & dihydric) CASRN 108952 | Organic Aromatic hydroxy compounds | <i>No data</i> | 4 | 1999 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Phenoxy herbicides 2,4 D; 2,4-Dichlorophenoxyacetic acid | Organic Pesticides | <i>No data</i> | 4 | 1987 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Phosphorus | Inorganic | <i>No data</i> | Guidance Framework | 2004 | <i>No data</i> | Guidance Framework | 2007 |
| Picloram CASRN 1918021 | Organic Pesticides | <i>No data</i> | 29 | 1990 | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| Polychlorinated biphenyls PCBs | Organic Polyaromatic compounds Polychlorinated biphenyls | <i>No data</i> | 0.001 | 1987 | <i>No data</i> | 0.01 | 1991 |
| Propylene glycol CASRN 57556 | Organic Glycols | <i>No data</i> | 500 000 | 1997 | <i>No data</i> | Insufficient data | 1997 |
| Pyrene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | <i>No data</i> | 0.025 | 1999 | <i>No data</i> | Insufficient data | 1999 |
| pH | Inorganic Acidity, alkalinity and pH | <i>No data</i> | 6.5 to 9.0 | 1987 | <i>No data</i> | 7.0 to 8.7 & Narrative | 1996 |
| Quinoline PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | <i>No data</i> | 3.4 | 1999 | <i>No data</i> | 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 | <i>No data</i> | 0.5 | 1999 | <i>No data</i> | 0.5 | 1999 |

| | | | | | | | |
|---|---|-----------------------------|-----------------------------|-------------|-----------------------------|-----------------------------|-------------|
| Salinity | Physical | No data | No data | No data | No data | Narrative | 1996 |
| Selenium | Inorganic Metals | No data | 1 | 1987 | No data | No data | No data |
| Silver | Inorganic Metals | NRG | 0.25 | 2015 | 7.5 | NRG | 2015 |
| Simazine CASRN 122349 | Organic Pesticides Triazine compounds | No data | 10 | 1991 | No data | No data | No data |
| Sodium adsorption ratio SAR | | No data | No data | No data | No data | No data | No data |
| | | 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 | |
| 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 |
| Tetrachloromethane Carbon tetrachloride CASRN 56235 | Organic Halogenated aliphatic compounds Halogenated methanes | No data | 13.3 | 1992 | No data | Insufficient data | 1992 |

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|--|---|---------|-------------------|------|---------|-------------------|---------|
| Tetrachlorophenols | Organic Monocyclic aromatic compounds Chlorinated phenols | No data | 1 | 1987 | No data | No data | No data |
| Thallium | Inorganic Metals | No data | 0.8 | 1999 | No data | No data | No data |
| Toluene CASRN 108883 | Organic Monocyclic aromatic compounds | No data | 2 | 1996 | No data | 215 | 1996 |
| Toxaphene | Organic Pesticides Organochlorine compounds | No data | 0.008 | 1987 | No data | No data | No data |
| Triallate CASRN 2303175 | Organic Pesticides Carbamate pesticides | No data | 0.24 | 1992 | No data | No data | No data |
| Tribromomethane Bromoform | Organic Halogenated aliphatic compounds Halogenated methanes | No data | Insufficient data | 1992 | No data | Insufficient data | 1992 |
| Tributyltin | Organic Organotin compounds | No data | 0.008 | 1992 | No data | 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 | No data | 1.8 | 1992 | No data | Insufficient data | 1992 |
| Trichlorophenols | Organic Monocyclic aromatic compounds Chlorinated phenols | No data | 18 | 1987 | No data | No data | No data |
| Tricyclohexyltin | Organic Organotin compounds | No data | Insufficient data | 1992 | No data | Insufficient data | 1992 |
| Trifluralin CASRN 1582098 | Organic Pesticides Dinitroaniline pesticides | No data | 0.2 | 1993 | No data | No data | No data |

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|-----------------------------------|--|---------|-----------|------|--------------|--------------|------|
| 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 Metals | 33 | 15 | 2011 | NRG | NRG | 2011 |
| Zinc | Inorganic Metals | 37 | 7.0 | 2018 | Not assessed | Not assessed | 2018 |

| | | 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 |
| 1,1,2,2- Tetrachloroethene PCE (Tetrachloroethylene) CASRN 127184 | Organic Halogenated aliphatic compounds Chlorinated ethenes | Insufficient data | 1993 | Insufficient data | 1993 |
| 1,1,2,2-Tetrachlorethane CASRN 79345 | Organic Halogenated aliphatic compounds Chlorinated ethanes | Insufficient data | 1991 | Insufficient data | 1991 |
| 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 |
| 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 Metals | 5000 | 1987 | 5000 | 1987 |
| Aniline CASRN 62533 | Organic | Insufficient data | 1993 | Insufficient data | 1993 |
| Arsenic CASRN none | Inorganic Metals | 100 | 1997 | 25 | 1997 |

| | | | | | |
|--|---|-------------------|----------------|----------------|----------------|
| Atrazine CASRN 1912249 | Organic Pesticides Triazine compounds | 10 | 1989 | 5 | 1989 |
| Beryllium | Inorganic Metals | 100 | 1987 | 100 | 1987 |
| Boron | Inorganic Metals | 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 Metals | 5.1 | 1996 | 80 | 1996 |
| Calcium | Inorganic Metals | No data | No data | 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 Metals | 8 | 1997 | 50 | 1997 |
| Chromium, trivalent (Cr(III)) CASRN 7440473 | Inorganic Metals | 4.9 | 1997 | 50 | 1997 |
| Cobalt | Inorganic Metals | 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 |
| Copper | Inorganic Metals | 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 | No data | No data | ∞ | 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 |
| 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 | No data | 4 | 1987 |
| Iron | Inorganic Metals | 5000 | 1987 | No data | No data |
| Lead | Inorganic Metals | 200 | 1987 | 100 | 1987 |
| Linuron CASRN 41205214 | Organic Pesticides | 0.071 | 1995 | Insufficient data | 1995 |
| Lithium | Inorganic Metals | 2500 | 1987 | No data | No data |
| Manganese | Inorganic Metals | 200 | 1987 | No data | No data |
| Mercury CASRN 7439976 | Inorganic Metals | No data | No data | 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 Metals | Narrative | 1987 | 500 | 1987 |
| Monobromomethane Methyl bromide | Organic Halogenated aliphatic compounds Halogenated methanes | Insufficient data | 1992 | Insufficient data | 1992 |

| | | | | | |
|---|--|---------------------------------|----------------|---|----------------|
| Monochlorobenzene CASRN 108907 | Organic Monocyclic aromatic compounds Chlorinated benzenes | Insufficient data | 1997 | Insufficient data | 1997 |
| Monochloromethane Methyl chloride | Organic Halogenated aliphatic compounds Halogenated methanes | Insufficient data | 1992 | Insufficient data | 1992 |
| Nickel | Inorganic Metals | 200 | 1987 | 1000 | 1987 |
| Nitrate + Nitrite | Inorganic Inorganic nitrogen compounds | <i>No data</i> | <i>No data</i> | 100 000 NO ₃ +NO ₂ -N | 1987 |
| Nitrite | Inorganic Inorganic nitrogen compounds | <i>No data</i> | <i>No data</i> | 10 000 NO ₂ -N | 1987 |
| Pentachlorobenzene CASRN 608935 | Organic Monocyclic aromatic compounds Chlorinated benzenes | Insufficient data | 1997 | Insufficient data | 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 | Insufficient data | 1990 | 190 | 1990 |
| Propylene glycol CASRN 57556 | Organic Glycols | Insufficient data | 1997 | Insufficient data | 1997 |
| Selenium | Inorganic Metals | Variable | 1987 | 50 | 1987 |
| Simazine CASRN 122349 | Organic Pesticides Triazine compounds | 0.5 | 1991 | 10 | 1991 |
| Sodium adsorption ratio SAR | | <i>No data</i> | <i>No data</i> | <i>No data</i> | <i>No data</i> |
| | | Concentration (µg/L) | Date | Concentration (µg/L) | Date |

| Chemical name | Chemical groups | | | | |
|--|--|---|----------------|-------------------|------|
| Sulfolane Bondelane CASRN 126330 | Organic Organic sulphur compound | 500 | 2005 | Insufficient data | 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 |
| Tetrachloromethane Carbon tetrachloride CASRN 56235 | Organic Halogenated aliphatic compounds Halogenated methanes | Insufficient data | 1992 | 5 | 1992 |
| Toluene CASRN 108883 | Organic Monocyclic aromatic compounds | Insufficient data | 1996 | 24 | 1996 |
| Total dissolved solids (salinity) TDS | Physical Turbidity, clarity and suspended solids | Variable | 1987 | 3 000 000 | 1987 |
| Toxaphene | Organic Pesticides Organochlorine compounds | <i>No data</i> | <i>No data</i> | 5 | 1987 |
| Triallate CASRN 2303175 | Organic Pesticides Carbamate pesticides | Insufficient data | 1992 | 230 | 1992 |
| Tribromomethane Bromoform | Organic Halogenated aliphatic compounds Halogenated methanes | Insufficient data | 1992 | 100 | 1992 |
| Tributyltin | Organic Organotin compounds | Insufficient data | 1992 | 250 | 1992 |
| Trichloromethane Chloroform CASRN 67663 | Organic Halogenated aliphatic compounds Halogenated methanes | Insufficient data | 1992 | 100 | 1992 |
| Tricyclohexyltin | Organic Organotin compounds | Insufficient data | 1992 | 250 | 1992 |
| Trifluralin CASRN 1582098 | Organic Pesticides Dinitroaniline pesticides | Insufficient data | 1992 | 45 | 1992 |

| | | | | | |
|-----------------------------------|--------------------------------|-------------------|------|--------|------|
| Triphenyltin | Organic Organotin compounds | Insufficient data | 1992 | 820 | 1992 |
| Uranium CASRN 7440-61-1 | Inorganic Metals | 10 | 1987 | 200 | 1987 |
| Vanadium | Inorganic Metals | 100 | 1987 | 100 | 1987 |
| Zinc | Inorganic Metals | Equation | 1987 | 50 000 | 1987 |

| | | Sediment Quality Guidelines for the Protection of Aquatic Life | | | | | |
|-----------------------------|--|---|-------------------------------------|------|-------------------------------------|-------------------------------------|------|
| | | Freshwater | | | Marine | | |
| | | Concentration (µg/kg dry weight) | Concentration (µg/kg dry weight) | Date | Concentration (µg/kg dry weight) | Concentration (µg/kg dry weight) | 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 Metals | 5900 | 17 000 | 1998 | 7240 | 41 600 | 1998 |
| Benz(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 Metals | 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 Metals | 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 |
| Copper | Inorganic Metals | 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 | 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 |
| Lead | Inorganic Metals | 35 000 | 91 300 | 1998 | 30 200 | 112 000 | 1998 |
| Mercury CASRN 7439976 | Inorganic Metals | 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 |
| Sodium adsorption ratio SAR | | No data | No data | No data | No data | No data | No data |
| | | Concentration (µg/kg dry weight) | Concentration (µg/kg dry weight) | Date | Concentration (µg/kg dry weight) | Concentration (µg/kg dry weight) | Date |
| Chemical name | Chemical groups | ISQG | PEL | | ISQG | PEL | |
| Toxaphene | Organic Pesticides Organochlorine compounds | 0.1 | No PEL derived | 2002 | 0.1 | No PEL derived | 2002 |
| Zinc | Inorganic Metals | 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 | |
| 1,1,1-Trichloroethane CASRN 71556 | Organic Halogenated aliphatic compounds Chlorinated ethanes | 0.1 | 5 | 50 | 50 | 1991 |

| | | | | | | |
|--|--|------|------|------|------|------|
| 1,1,1-Trichloroethane | Organic Halogenated aliphatic compounds Halogenated methanes | 0.1 | 5 | 50 | 50 | 1991 |
| 1,1,2,2- Tetrachloroethene PCE (Tetrachloroethylene) CASRN 127184 | Organic Halogenated aliphatic compounds Chlorinated ethenes | 0.1 | 0.2 | 0.5 | 0.6 | 1997 |
| 1,1,2,2-Tetrachlorethane CASRN 79345 | Organic Halogenated aliphatic compounds Chlorinated ethanes | 0.1 | 5 | 50 | 50 | 1991 |
| 1,1,2-Trichloroethane | Organic Halogenated aliphatic compounds Chlorinated ethanes | 0.1 | 5 | 50 | 50 | 1991 |
| 1,1,2-Trichloroethane | Organic Halogenated aliphatic compounds Halogenated methanes | 0.1 | 5 | 50 | 50 | 1991 |
| 1,1,2-Trichloroethene TCE (Trichloroethylene) CASRN 79-01-6 | Organic Halogenated aliphatic compounds Chlorinated ethenes | 0.01 | 0.01 | 0.01 | 0.01 | 2006 |
| 1,1-Dichloroethane | Organic Halogenated aliphatic compounds Chlorinated ethanes | 0.1 | 5 | 50 | 50 | 1991 |
| 1,1-Dichloroethene Dichloroethylene | Organic Halogenated aliphatic compounds Chlorinated ethenes | 0.1 | 5 | 50 | 50 | 1991 |
| 1,2,3,4-Tetrachlorobenzene CASRN 634662 | Organic Monocyclic aromatic compounds Chlorinated benzenes | 0.05 | 2 | 10 | 10 | 1991 |
| 1,2,3,5-Tetrachlorobenzene | Organic Monocyclic aromatic compounds Chlorinated benzenes | 0.05 | 2 | 10 | 10 | 1991 |
| 1,2,3-Trichlorobenzene CASRN 87616 | Organic Monocyclic aromatic compounds Chlorinated benzenes | 0.05 | 2 | 10 | 10 | 1991 |
| 1,2,4,5-Tetrachlorobenzene | Organic Monocyclic aromatic compounds Chlorinated benzenes | 0.05 | 2 | 10 | 10 | 1991 |

| | | | | | | |
|---|--|------|-----|----|----|------|
| 1,2,4-Trichlorobenzene CASRN 120801 | Organic Monocyclic aromatic compounds Chlorinated benzenes | 0.05 | 2 | 10 | 10 | 1991 |
| 1,2-Dichlorobenzene CASRN 95501 | Organic Monocyclic aromatic compounds Chlorinated benzenes | 0.1 | 1 | 10 | 10 | 1991 |
| 1,2-Dichloroethane CASRN 1070602 | Organic Halogenated aliphatic compounds Chlorinated ethanes | 0.1 | 5 | 50 | 50 | 1991 |
| 1,2-Dichloroethene | Organic Halogenated aliphatic compounds Chlorinated ethenes | 0.1 | 5 | 50 | 50 | 1991 |
| 1,2-Dichloropropane | Organic Halogenated aliphatic compounds Halogenated methanes | 0.1 | 5 | 50 | 50 | 1991 |
| 1,2-Dichloropropene (cis and trans) | Organic Halogenated aliphatic compounds Halogenated methanes | 0.1 | 5 | 50 | 50 | 1991 |
| 1,3,5-Trichlorobenzene | Organic Monocyclic aromatic compounds Chlorinated benzenes | 0.05 | 2 | 10 | 10 | 1991 |
| 1,3-Dichlorobenzene CASRN 541731 | Organic Monocyclic aromatic compounds Chlorinated benzenes | 0.1 | 1 | 10 | 10 | 1991 |
| 1,4-Dichlorobenzene CASRN 106467 | Organic Monocyclic aromatic compounds Chlorinated benzenes | 0.1 | 1 | 10 | 10 | 1991 |
| 2,3,4,6-Tetrachlorophenol | Organic Monocyclic aromatic compounds Chlorinated phenols | 0.05 | 0.5 | 5 | 5 | 1991 |
| 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 Metals | 20 | 20 | 40 | 40 | 1991 |
| Arsenic CASRN none | Inorganic Metals | 12 | 12 | 12 | 12 | 1997 |
| Barium | Inorganic Metals | 750 | 500 | 2000 | 2000 | 2013 |
| Benz(a)anthracene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | Consult Factsheet | Consult Factsheet | Consult Factsheet | Consult Factsheet | 2008 |
| Benzene CASRN 71432 | Organic Monocyclic aromatic compounds | Table | Table | Table | Table | 2004 |
| 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 |
| Benzo(k)fluoranthene PAHs | Organic Polyaromatic compounds Polycyclic aromatic hydrocarbons | Consult Factsheet | Consult Factsheet | Consult Factsheet | Consult Factsheet | 2008 |
| Beryllium | Inorganic Metals | 4 | 4 | 8 | 8 | 2015 |
| Boron | Inorganic Metals | 2 | No data | No data | No data | 1991 |

| | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|------|
| Cadmium CASRN 7440439 | Inorganic Metals | 1.4 | 10 | 22 | 22 | 1999 |
| Chromium (total) CASRN 7440-47-3 | Inorganic Metals | 64 | 64 | 87 | 87 | 1997 |
| Chromium, hexavalent (Cr(VI)) CASRN 7440473 | Inorganic Metals | 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 Metals | 40 | 50 | 300 | 300 | 1991 |
| Conductivity | Physical | 2 dS/m | 2 dS/m | 4 dS/m | 4 dS/m | 1991 |
| Copper | Inorganic Metals | 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 |

| | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|------|
| 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 Metals | 70 | 140 | 260 | 600 | 1999 |
| Mercury CASRN 7439976 | Inorganic Metals | 6.6 | 6.6 | 24 | 50 | 1999 |
| Methanol CASRN 67-56-1 | | Table | Table | Table | Table | 2017 |
| Molybdenum | Inorganic Metals | 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 |
| Nickel | Inorganic Metals | 45 | 45 | 89 | 89 | 2015 |
| 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 |
| 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 Metals | 1 | 1 | 2.9 | 2.9 | 2009 |
| Silver | Inorganic Metals | 20 | 20 | 40 | 40 | 1991 |
| Sodium adsorption ratio SAR | | 5 | 5 | 12 | 12 | 1991 |
| | | 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 | |
| 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 |
| Tetrachloroethene | Organic Halogenated aliphatic compounds Halogenated methanes | 0.1 | 5 | 50 | 50 | 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 Metals | 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 Metals | 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 Metals | 23 | 23 | 33 | 300 | 2007 |
| Vanadium | Inorganic Metals | 130 | 130 | 130 | 130 | 1997 |
| Xylene | Organic Monocyclic aromatic compounds | Table | Table | Table | Table | 2004 |
| Zinc | Inorganic Metals | 250 | 250 | 410 | 410 | 2018 |

| | | 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 |
| Sodium adsorption ratio SAR | | <i>No data</i> | <i>No data</i> |
| | | Concentration (µg/kg diet wet weight) | Date |
| Chemical name | Chemical groups | | |
| Toxaphene | Organic Pesticides Organochlorine compounds | 6.3 | 1997 |