

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.

Cyanide

Parameter 1: INORGANIC

Water Quality for the Protection of Aquatic Life

Freshwater

Concentration (µg/L)	5 (as free CN)
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No fact sheet created. For more information on this guideline, please refer to Canadian Water Quality Guidelines (CCREM 1987).

Date	1987
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Marine

Concentration (µg/L)	No data
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Date	No data
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Water Quality for the Protection of Agriculture

Irrigation

Concentration (µg/L)	No data
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Date	No data
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Livestock

Concentration (µg/L)	No data
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Date	No data
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Sediment Quality for the Protection of Aquatic Life

Freshwater

Concentration (µg/kg dry weight) - ISQG	No data
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Concentration (µg/kg dry weight) - PEL	No data
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Date	No data
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Marine

Concentration (µg/kg dry weight) - ISQG	No data
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Concentration (µg/kg dry weight) - PEL	No data
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Date	No data
Soil Quality for the Protection of Environmental and Human Health	
Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.	Download Factsheet
Concentration (mg/kg dry weight) - Agricultural	0.9
Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG_{HH}) and a Soil Quality Guideline for Environmental health (SQG_E). Therefore the soil quality guideline is the lower of the two and represents a fully integrated de novo guideline for this land use, derived in accordance with the soil protocol (CCME 1996;2006). The corresponding interim soil quality criterion (CCME 1991) is superseded by the soil quality guideline. For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable. Free cyanide refers to the sum of molecularHCN and and the cyanide ion, CN⁻.	
Concentration (mg/kg dry weight) - Residential / parkland	0.9
Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG_{HH}) and a Soil Quality Guideline for Environmental health (SQG_E). Therefore the soil quality guideline is the lower of the two and represents a fully integrated de novo guideline for this land use, derived in accordance with the soil protocol (CCME 1996;2006). The corresponding interim soil quality criterion (CCME 1991) is superseded by the soil quality guideline. For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable. Free cyanide refers to the sum of molecularHCN and and the cyanide ion, CN⁻.	
Concentration (mg/kg dry weight) - Commercial	8
Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG_{HH}) and a Soil Quality Guideline for Environmental health (SQG_E). Therefore the soil quality guideline is the lower of the two and represents a fully integrated de novo guideline for this land use, derived in accordance with the soil protocol (CCME 1996;2006). The corresponding interim soil quality criterion (CCME 1991) is superseded by the soil quality guideline. For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable. Free cyanide refers to the sum of molecularHCN and and the cyanide ion, CN⁻.	
Concentration (mg/kg dry weight) - Industrial	8
Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG_{HH}) and a Soil Quality Guideline for Environmental health (SQG_E). Therefore the soil quality guideline is the lower of the two and represents a fully integrated de novo guideline for this land use, derived in accordance with the soil protocol (CCME 1996;2006). The corresponding interim soil quality criterion (CCME 1991) is superseded by the soil quality	

guideline.

For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable.

Free cyanide refers to the sum of molecularHCN and and the cyanide ion, CN⁻.

Date	1997
Tissue Residue Quality for the Protection of Wildlife Consumer of Aquatic Biota	
Concentration (µg/kg diet wet weight)	No data
Date	No data