

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.

Selenium

Parameter 1: INORGANIC

Parameter 3: Metals

Water Quality for the Protection of Aquatic Life

Freshwater

Concentration (µg/L) 1

No fact sheet created. For more information on this guideline, please refer to Canadian Water Quality Guidelines (CCREM 1987).

Date 1987

Marine

Concentration (µg/L) No data

Date No data

Water Quality for the Protection of Agriculture

Irrigation

Concentration (µg/L) Variable

= 20 µg/L for continuous use on all soils

= 50 µg/L for intermittent use on all soils

No fact sheet created. For more information on this guideline, please refer to Canadian Water Quality Guidelines (CCREM 1987).

Date 1987

Livestock

Concentration (µg/L) 50

No fact sheet created. For more information on this guideline, please refer to Canadian Water Quality Guidelines (CCREM 1987).

Date 1987

Sediment Quality for the Protection of Aquatic Life

Freshwater

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

Marine

Concentration (µg/kg dry weight) - ISQG	No data
Concentration (µg/kg dry weight) - PEL	No data
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	1
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 The corresponding interim soil quality criterion (CCME 1991) is superseded by the soil quality guideline.	
Concentration (mg/kg dry weight) - Residential / parkland	1
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.	
Concentration (mg/kg dry weight) - Commercial	2.9
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.	
Concentration (mg/kg dry weight) - Industrial	2.9
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.	
Date	2009

Tissue Residue Quality for the Protection of Wildlife Consumer of Aquatic Biota

Concentration (µg/kg diet wet weight)

No data

Date

No data