

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.

Chromium (total)

CASRN: 7440-47-3

Parameter 1: INORGANIC

Parameter 3: Metals

Water Quality for the Protection of Aquatic Life

Freshwater

Concentration (µg/L)	No data
Date	No data

Marine

Concentration (µg/L)	No data
Date	No data

Water Quality for the Protection of Agriculture

Irrigation

Concentration (µg/L)	No data
Date	No data

Livestock

Concentration (µg/L)	No data
Date	No data

Sediment Quality for the Protection of Aquatic Life

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

[Download
Factsheet](#)

Freshwater

Concentration (µg/kg dry weight) - ISQG				37 300
Guideline	% ≤ ISQG	ISQG < % < PEL	ISQG % ≥ PEL	
Chromium	2	19	49	
Concentration (µg/kg dry weight) - PEL				90 000
Guideline	% ≤ ISQG	ISQG < % < PEL	ISQG % ≥ PEL	

Chromium	2	19	49	
Date				1998
Marine				
Concentration (µg/kg dry weight) - ISQG				52 300
Guideline	% ≤ ISQG	ISQG < % < PEL	ISQG % ≥ PEL	
Chromium	4	15	53	
Concentration (µg/kg dry weight) - PEL				160 000
Guideline	% ≤ ISQG	ISQG < % < PEL	ISQG % ≥ PEL	
Chromium	4	15	53	
Date				1998
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				64
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 The corresponding interim soil quality criterion (CCME 1991) is superseded by the soil quality guideline.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.				
Concentration (mg/kg dry weight) - Residential / parkland				64
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.				
Concentration (mg/kg dry weight) - Commercial				87
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.				
Concentration (mg/kg dry weight) - Industrial				87

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.

Date	1997
Tissue Residue Quality for the Protection of Wildlife Consumer of Aquatic Biota	
Concentration ($\mu\text{g/kg}$ diet wet weight)	No data
Date	No data