Canadian Council of Ministers of the Environment



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 (ug/L)	No data

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	Download
Guidelines.	Factsheet
Freshwater	
Concentration (ug/kg dry weight) - ISQG	37 300

Concentration (µg/kg dry weight) - 15QG				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

Page 1

Chromium	2		19		49		
Date						1	1998
Marine							
Concentration (µg/kg	dry w	eight) - ISQG				52	2 300
Guideline		% ≤ ISQG		ISQG < % < PEL		ISQG % ≥ PE	EL
Chromium	4		15		53		
Concentration (µg/kg	dry w	······					50 000
Guideline Chromium	4	% ≤ ISQG	15	ISQG < % < PEL	53	ISQG % ≥ PE	EL
Date	-		10		55		1998
Sail Quality for the	Droto	otion of Envi	roomont	al and Lluman Llaalt	L		
Soil Quality for the l							
Further documentation of	n these	guidelines can	be found in	the Canadian Environme	ent Quality	Downloa	
Guidelines. Concentration (mg/kg	dryw	voight) Agric	ultural			Factshe	et 64
				oil Quality Guideline fo	r Human He	alth	04
		•		mental Health (SQG).			
		•		sents a fully integrated			
this land use, derive	d in a	ccordance wit	h the soil	protocol (CCME 1996;	2006). The		
	m soil	quality criteri	on (CCME	1991) is superseded	by the soil c	quality	
guideline.							
For guidelines deriv	ed pric	or to 2004, dif	ferentiatio	n between soil texture	(coarse/fine	e) is not	
applicable.							
Concentration (mg/kg	ı dry w	/eight) - Resid	lential / pa	arkland			64
				oil Quality Guideline fo	r Human He	ealth	
		•		mental Health (SQG _E).			
			-	sents a fully integrated	-	ideline for	
				protocol (CCME 1996;	,		
corresponding interi guideline.	m soil	quality criteri	on (CCME	1991) is superseded	by the soil c	Juality	
-							
-	ed pric	or to 2004, dif	ferentiatio	n between soil texture	(coarse/fine	e) is not	
applicable.							
Concentration (mg/kg	, dry w	/eight) - Comi	mercial				87
		•		oil Quality Guideline fo			
				mental Health (SQGE).			
				sents a fully integrated		ideline for	
				protocol (CCME 1996;	,		
guideline.	III SOII	quality criteri		1991) is superseded	by the soll C	juality	
-					,		
-	ed pric	or to 2004, dif	ferentiatio	n between soil texture	(coarse/fine	e) is not	
applicable.							
Concentration (mg/kg	g dry w	/eight) - Indus					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 Widlife Consumer of Aquatic Biota	
Concentration (µg/kg diet wet weight)	No data
Date	No data