

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.

## 1,1,2-Trichloroethene

**Synonyms and/or acronyms:** TCE (Trichloroethylene)

**CASRN:** 79-01-6

**Parameter 1:** ORGANIC

**Parameter 2:** Halogenated aliphatic compounds

**Parameter 3:** Chlorinated ethenes

### Water 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/L)	21
----------------------	----

Interim guideline.

Guideline value slightly modified from CCREM 1987 + Appendixes due to re-evaluation of the significant figures.

Date	1991
------	------

#### Marine

Concentration (µg/L)	Insufficient data
----------------------	-------------------

Date	1991
------	------

### Water Quality for the Protection of Agriculture

#### Irrigation

Concentration (µg/L)	Insufficient data
----------------------	-------------------

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

Date	1991
------	------

#### Livestock

Concentration (µg/L)	50
----------------------	----

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

Interim guideline.	
Date	1991
Sediment Quality for the Protection of Aquatic Life	
<b>Freshwater</b>	
Concentration (µg/kg dry weight) - ISQG	No data
Concentration (µg/kg dry weight) - PEL	No data
Date	No data
<b>Marine</b>	
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	
Concentration (mg/kg dry weight) - Agricultural	0.01
<p>Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG<sub>HH</sub>) and a Soil Quality Guideline for Environmental health (SQG<sub>E</sub>). 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).</p> <p>This guideline may be less than the common limit of detection in some jurisdictions. Contact jurisdictions for guidance.</p>	
Concentration (mg/kg dry weight) - Residential / parkland	0.01
<p>Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG<sub>HH</sub>) and a Soil Quality Guideline for Environmental health (SQG<sub>E</sub>). 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).</p> <p>This guideline may be less than the common limit of detection in some jurisdictions. Contact jurisdictions for guidance.</p>	
Concentration (mg/kg dry weight) - Commercial	0.01
<p>Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG<sub>HH</sub>) and a Soil Quality Guideline for Environmental health (SQG<sub>E</sub>). 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).</p> <p>This guideline may be less than the common limit of detection in some jurisdictions. Contact jurisdictions for guidance.</p>	
Concentration (mg/kg dry weight) - Industrial	0.01
<p>Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG<sub>HH</sub>) and a Soil Quality Guideline for Environmental health (SQG<sub>E</sub>). 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).</p>	

This guideline may be less than the common limit of detection in some jurisdictions. Contact jurisdictions for guidance.

Date

2006

---

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*