

Appendix 2.7.2.6-A Soil Quality Guidelines Limits Comparison Tables

Table M-1: Soil Quality Guidelines - Agriculture

Values shown are not for regulatory use. Refer to provincial/territorial guidelines, standards and regulations to confirm values and their implications. All concentrations are expressed in mg/kg (ppm).

Contaminant	CCME ¹	BC ⁵
Arsenic (inorganic)	12	15-100
Barium	750	400-6500
Benzene	0.05	0.04-1000
Benzo (a) pyrene	0.1	0.1-5
Cadmium	1.4	1.5-20000
Chromium (total)	64	50-300
Chromium (VI)	0.4	60-150
Copper (total)	63	90-350000
Cyanide (Free/Available)	0.9	0.5
<i>Cyanide (Total)</i> ⁴		5
DDT (total)	0.7	10-550
Ethylbenzene	0.1	1-7000
Ethylene glycol	960	1500-65000
Lead	70	100-100000
Mercury (inorganic)	6.6	0.6-100
Naphthalene	0.1	0.1
Nickel	50	
Pentachlorophenol	7.6	0.1-750000
<i>chlorophenols (each)</i> ^{3,4}		0.05
Phenol	3.8	
<i>nonchlorinated (each)</i> ^{2,4}		0.1
Polychlorinated Biphenyls (PCBs)	0.5	0.5-5
Selenium	1	2
Tetrachloroethylene	0.1	0.1-1000
Thallium	1	2
Tin	50	5
Toluene	0.1	1.5-40000
Trichloroethylene	0.1	0.15-200
Vanadium (total)	130	200
Xylene	0.1	0.1-65000
Zinc	200	150-35000

NOTES:

1 Updated 2001 EC, CCME EQG web site <http://www.ec.gc.ca/CEQG-RCQE/English/default.cfm>

2 Nonchlorinated phenolic substances include: 2,4-dimethylphenol, 2,4-dinitrophenol, 2-methyl 4,6-dinitrophenol, nitrophenol (2-,4-), phenol and cresol

3 Chlorophenols include: chlorophenol (ortho, meta, para), dichlorophenol (2,6-,2,5-,2,4-,3,5-,2,3-,3,4-), trichlorophenol (2,4,6-, 2,3,6-, 2,4,5-,2,3,4-,2,3,4-, 3,4,5-), tetrochlorophenol (2,3,5,6-, 2,3,4,5-, 2,3,4,6-)

4 Indented and italicized compounds are broken down specifically in certain provinces, but are more general in the CCME

5 Single BC & Yukon values are Generic Numeric Soil Standards. Compounds with a range of values are the lows and highs indicated in the Matrix Numerical Soil Standards (updated May 2011).