

Water Sample Results - General Chemistry and Metals

Parameter	Units	Canadian Drinking Water Guideline	Detection Limit	Wolfville (010)	
				22-Dec-2004	18-Dec-2008
General Chemistry					
Total Alkalinity (Total as CaCO ₃)	mg/L	-	5	25	10
Chloride (Cl)	mg/L	250 AO	1	78	87
Colour	TCU	15 AO	5	ND	14
Hardness (CaCO ₃)	mg/L	500 AO	-	101	67
Nitrate + Nitrite	mg/L	10	0.05	1.9	1.5
Nitrite (N)	mg/L	1	0.01	ND	ND
Nitrate (N)	mg/L	10	0.05	1.9	1.5
Nitrogen (Ammonia Nitrogen)	mg/L	-	0.05	ND	0.63
Total Organic Carbon (C)	mg/L	-	0.5	ND	1.6
Orthophosphate (P)	mg/L	-	0.01	ND	0.01
pH	pH	6.5 - 8.5 AO	-	6.5	6.53
Reactive Silica (SiO ₂)	mg/L	-	0.5	17	14
Sulphate (SO ₄)	mg/L	500 AO	2	12	11
Turbidity	NTU	5 AO	0.1	0.9	68
Conductivity	uS/cm	-	-	382	370
Anion Sum	me/L	-	-	3.08	2.99
Bicarb. Alkalinity (calc. as CaCO ₃)	mg/L	-	1	25	10
Calculated TDS	mg/L	-	1	196	201
Carb. Alkalinity (calc. as CaCO ₃)	mg/L	-	1	ND	ND
Cation Sum	me/L	-	-	3.3	3.4
Ion Balance (% Difference)	%	-	-	3.3	6.42
Langelier Index (@ 20C)	N/A	-	-	-2.12	-2.59
Langelier Index (@ 4C)	N/A	-	-	-2.52	-2.84
Saturation pH (@ 20C)	N/A	-	-	8.62	9.12
Saturation pH (@ 4C)	N/A	-	-	9.02	9.37
Calcium (Ca)	mg/L	-	0.1	27.4	19
Magnesium (Mg)	mg/L	-	0.1	7.8	4.6
Phosphorus (P)	mg/L	-	0.1	ND	ND
Potassium (K)	mg/L	-	0.1	2	1.9
Sodium (Na)	mg/L	200 AO	0.1	28.3	29
Bromide (Br)	mg/L	-	0.5	0.06	ND
Fluoride (F)	mg/L	1.5	0.1	ND	ND
Metals					
Aluminum (Al)	ug/L	-	10	ND	ND
Antimony (Sb)	ug/L	6	2	ND	ND
Arsenic (As)	ug/L	10	2	ND	ND
Barium (Ba)	ug/L	1000	5	69	46
Beryllium (Be)	ug/L	-	2	ND	ND
Bismuth (Bi)	ug/L	-	2	ND	ND
Boron (B)	ug/L	5000	5	26	23
Cadmium (Cd)	ug/L	5	0.3	ND	ND
Chromium (Cr)	ug/L	50	2	ND	ND
Cobalt (Co)	ug/L	-	1	ND	2
Copper (Cu)	ug/L	1000 AO	2	ND	ND
Iron (Fe)	ug/L	300 AO	50	230	20000
Lead (Pb)	ug/L	10	0.5	ND	ND
Manganese (Mn)	ug/L	50 AO	2	14	1300
Molybdenum (Mo)	ug/L	-	2	ND	ND
Mercury (Hg)	ug/L	1	0.01		ND
Nickel (Ni)	ug/L	-	2	ND	ND
Selenium (Se)	ug/L	10	2	ND	ND
Silver (Ag)	ug/L	-	0.5	ND	ND
Strontium (Sr)	ug/L	-	5	110	67
Thallium (Tl)	ug/L	-	0.1	ND	ND
Tin (Sn)	ug/L	-	2	ND	ND
Titanium (Ti)	ug/L	-	2	ND	ND
Uranium (U)	ug/L	20	0.1	ND	ND
Vanadium (V)	ug/L	-	2	ND	ND
Zinc (Zn)	ug/L	5000 AO	5	ND	ND

Notes:

AO = Aesthetic Objective.

ND = not detected

ND() = not detected at the elevated detection limit shown in brackets ()

All guidelines are health-based MACs or IMACs, unless otherwise indicated.

Shaded values exceed guidelines.