

Water Sample Results - General Chemistry and Metals

Parameter	Units	Canadian Drinking Water Guideline	Detection Limit	Greenwood
				(Well 003) 23-Nov-2005
General Chemistry				
Total Alkalinity (Total as CaCO3)	mg/L	-	5	ND
Chloride (Cl)	mg/L	250 AO	1	6
Colour	TCU	15 AO	5	5
Hardness (CaCO3)	mg/L	500 AO		10
Nitrate + Nitrite	mg/L	10	0.05	ND
Nitrite (N)	mg/L	1	0.01	ND
Nitrate (N)	mg/L	10	0.05	ND
Nitrogen (Ammonia Nitrogen)	mg/L	-	0.05	0.22
Total Organic Carbon (C)	mg/L	-	0.5	2
Orthophosphate (P)	mg/L	-	0.01	0.05
pH	pH	6.5 - 8.0 AO		6.41
Reactive Silica (SiO2)	mg/L		0.5	11
Sulphate (SO4)	mg/L	500 AO	2	9
Turbidity	NTU	5 AO	0.1	39
Conductivity	uS/cm	-		79
Anion Sum	me/L	-		0.372
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	1	ND
Calculated TDS	mg/L	-	1	40
Carb. Alkalinity (calc. as CaCO3)	mg/L	-	1	ND
Cation Sum	me/L	-		0.549
Ion Balance (% Difference)	%	-		19.2
Langelier Index (@ 20C)	N/A	-		-
Langelier Index (@ 4C)	N/A	-		-
Saturation pH (@ 20C)	N/A	-		-
Saturation pH (@ 4C)	N/A	-		-
Calcium (Ca)	mg/L	-	0.1	2.2
Magnesium (Mg)	mg/L	-	0.1	1
Phosphorus (P)	mg/L	-	0.1	ND
Potassium (K)	mg/L	-	0.1	2.4
Sodium (Na)	mg/L	200 AO	0.1	3.6
Bromide (Br)	mg/L	-	0.5	ND
Fluoride (F)	mg/L	1.5	0.1	ND
Metals				
Aluminum (Al)	ug/L	-	10	47
Antimony (Sb)	ug/L	6	2	ND
Arsenic (As)	ug/L	10	2	2
Barium (Ba)	ug/L	1000	5	59
Beryllium (Be)	ug/L	-	2	ND
Bismuth (Bi)	ug/L	-	2	ND
Boron (B)	ug/L	5000	5	ND
Cadmium (Cd)	ug/L	5	0.3	ND
Chromium (Cr)	ug/L	50	2	ND
Cobalt (Co)	ug/L	-	1	3
Copper (Cu)	ug/L	1000 AO	2	3
Iron (Fe)	ug/L	300 AO	50	8700
Lead (Pb)	ug/L	10	0.5	1.7
Manganese (Mn)	ug/L	50 AO	2	140
Molybdenum (Mo)	ug/L	-	2	ND
Mercury (Hg)	ug/L	1	0.01	-
Nickel (Ni)	ug/L	-	2	4
Selenium (Se)	ug/L	10	2	ND
Silver (Ag)	ug/L	-	0.5	ND
Strontium (Sr)	ug/L	-	5	9
Thallium (Tl)	ug/L	-	0.1	ND
Tin (Sn)	ug/L	-	2	ND
Titanium (Ti)	ug/L	-	2	ND
Uranium (U)	ug/L	20	0.1	0.2
Vanadium (V)	ug/L	-	2	ND
Zinc (Zn)	ug/L	5000 AO	5	87

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.