Water Sample Results - General Chemistry and Metals

Parameter	Units	Canadian Drinking Water Guideline	Detection Limit	Ingonish (065)
				25-Aug-2009
General Chemistry				
Total Alkalinity (Total as CaCO3)	mg/L	-	5	13
Chloride (Cl)	mg/L	250 AO	1	9
Colour	TCU	15 AO	5	ND
Hardness (CaCO3)	mg/L	500 AO	-	18
Nitrate + Nitrite	mg/L	10	0.05	0.15
Nitrite (N)	mg/L	1	0.01	ND
Nitrate (N)	mg/L	10	0.05	0.15
Nitrogen (Ammonia Nitrogen)	mg/L	-	0.05	ND
Total Organic Carbon (C)	mg/L	-	0.5	0.6
Orthophosphate (P)	mg/L	-	0.01	ND
pH	pH	6.5 - 8.5 AO	-	7.4
Reactive Silica (SiO2)	mg/L		0.5	8.2
Sulphate (SO4)	mg/L	500 AO	2	4
Turbidity	NTU	5 AO	0.1	ND
Conductivity	uS/cm	-	-	65
Anion Sum	me/L	-	-	0.6
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	1	13
Calculated TDS	mg/L	-	1	44
Carb. Alkalinity (calc. as CaCO3)	mg/L	-	1	ND
Cation Sum	me/L	-	-	0.73
Ion Balance (% Difference)	%	-	-	9.77
Langelier Index (@ 20C)	N/A	-	-	-2.12
Langelier Index (@ 4C)	N/A	-	-	-2.37
Saturation pH (@ 20C)	N/A	-	-	9.52
Saturation pH (@ 4C)	N/A	-	-	9.77
Calcium (Ca)	mg/L	-	0.1	4700
Magnesium (Mg)	mg/L	-	0.1	1500
Phosphorus (P)	mg/L	-	0.1	ND
Potassium (K)	mg/L	-	0.1	790
Sodium (Na)	mg/L	200 AO	0.1	**8000**
Bromide (Br)	mg/L	-	0.5	ND
Fluoride (F)	mg/L	1.5	0.1	ND
Metals				
Aluminum (Al)	ug/L	-	10	6.6
Antimony (Sb)	ug/L	6	2	ND
Arsenic (As)	ug/L	10	2	ND
Barium (Ba)	ug/L	1000	5	7.7
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	ND
Copper (Cu)	ug/L	1000 AO	2	ND
Iron (Fe)	ug/L	300 AO	50	ND
Lead (Pb)	ug/L	10	0.5	ND
Manganese (Mn)	ug/L	50 AO	2	ND
Molybdenum (Mo)	ug/L	-	2	ND
Mercury (Hg)	ug/L	1	0.01	ND
Nickel (Ni)	ug/L	-	2	ND
Selenium (Se)	ug/L	10	2	ND
Silver (Ag)	ug/L	-	0.5	ND
Strontium (Sr)	ug/L	-	5	27
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	0.58
Vanadium (V)	ug/L	-	2	ND
Zinc (Zn)	ug/L	5000 AO	5	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.