

Water Sample Results - General Chemistry and Metals

Parameter	Units	Canadian Drinking Water Guideline	Detection Limit	Monastery (028)	
				15-Dec-2006	09-Dec-2008
General Chemistry					
Total Alkalinity (Total as CaCO ₃)	mg/L	-	5	240	220
Chloride (Cl)	mg/L	250 AO	1	31	24
Colour	TCU	15 AO	5	ND	ND
Hardness (CaCO ₃)	mg/L	500 AO	-	120	95
Nitrate + Nitrite	mg/L	10	0.05	ND	ND
Nitrite (N)	mg/L	1	0.01	ND	ND
Nitrate (N)	mg/L	10	0.05	ND	ND
Nitrogen (Ammonia Nitrogen)	mg/L	-	0.05	0.14	0.12
Total Organic Carbon (C)	mg/L	-	0.5	2.1	1
Orthophosphate (P)	mg/L	-	0.01	ND	ND
pH	pH	6.5 - 8.5 AO	-	8.14	8.23
Reactive Silica (SiO ₂)	mg/L	-	0.5	11	13
Sulphate (SO ₄)	mg/L	500 AO	2	72	59
Turbidity	NTU	5 AO	0.1	0.2	0.3
Conductivity	uS/cm	-	-	660	640
Anion Sum	me/L	-	-	7.13	6.36
Bicarb. Alkalinity (calc. as CaCO ₃)	mg/L	-	1	235	220
Calculated TDS	mg/L	-	1	417	365
Carb. Alkalinity (calc. as CaCO ₃)	mg/L	-	1	3	4
Cation Sum	me/L	-	-	7.51	6.28
Ion Balance (% Difference)	%	-	-	2.61	0.63
Langelier Index (@ 20C)	N/A	-	-	0.553	0.539
Langelier Index (@ 4C)	N/A	-	-	0.304	0.29
Saturation pH (@ 20C)	N/A	-	-	7.59	7.69
Saturation pH (@ 4C)	N/A	-	-	7.84	7.94
Calcium (Ca)	mg/L	-	0.1	31	25
Magnesium (Mg)	mg/L	-	0.1	9.3	7.7
Phosphorus (P)	mg/L	-	0.1	ND	ND
Potassium (K)	mg/L	-	0.1	2.3	3.6
Sodium (Na)	mg/L	200 AO	0.1	120	98
Bromide (Br)	mg/L	-	0.5	ND	ND
Fluoride (F)	mg/L	1.5	0.1	0.3	ND
Metals					
Aluminum (Al)	ug/L	-	10	ND	ND
Antimony (Sb)	ug/L	6	2	ND	0.78
Arsenic (As)	ug/L	10	2	6	4.1
Barium (Ba)	ug/L	1000	5	25	25
Beryllium (Be)	ug/L	-	2	ND	ND
Bismuth (Bi)	ug/L	-	2	ND	ND
Boron (B)	ug/L	5000	5	250	220
Cadmium (Cd)	ug/L	5	0.3	ND	ND
Chromium (Cr)	ug/L	50	2	ND	ND
Cobalt (Co)	ug/L	-	1	ND	ND
Copper (Cu)	ug/L	1000 AO	2	7	ND
Iron (Fe)	ug/L	300 AO	50	ND	ND
Lead (Pb)	ug/L	10	0.5	ND	ND
Manganese (Mn)	ug/L	50 AO	2	42	48
Molybdenum (Mo)	ug/L	-	2	3	ND
Mercury (Hg)	ug/L	1	0.01	ND	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	2400	2600
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	0.6	0.72
Vanadium (V)	ug/L	-	2	ND	ND
Zinc (Zn)	ug/L	5000 AO	5	34	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.