



# CALGARY

## Centre for Toxicology

HMRB, University of Calgary  
B19, 3330 Hospital Drive NW  
Calgary, Alberta T2N 4N1

**REPORT TO:**

HEALTH REGION 4  
601-7TH STREET EAST  
DRUMHELLER AB  
T0J 0Y5

**PRIVATE DRINKING WATER FROM:**

Client Name  
Address  
Telephone No.

**Land Description:**
**Collected:**
**By:**
**Site:**
**Source:**
**Depth:**
**Comments:**
**Req. ID No:**
**Lab Code:**

### CERTIFICATE OF CHEMICAL ANALYSIS

### CDW GUIDELINES (2002)

pH	8.56		6.5-8.5 units AO
Conductivity	1248	uS/cm	
Sodium	322	mg/L	≤ 200 mg/L AO
Potassium	0.84	mg/L	
Calcium	2.81	mg/L	
Magnesium	0.23	mg/L	
Total Hardness (CaCO <sub>3</sub> )(Calc)	7.97	mg/L	
Iron	0.07	mg/L	≤ 0.3 mg/L AO
Total Alkalinity (CaCO <sub>3</sub> )	677.2	mg/L	
Carbonate	27.6	mg/L	
Bicarbonate	769.9	mg/L	
Hydroxide	0	mg/L	
Chloride	3	mg/L	≤ 250 mg/L AO
Fluoride	1.4	mg/L	1.5 mg/L MAC
Nitrite (N)	0	mg/L	1.0 mg/L MAC
Nitrate (N)	0	mg/L	10 mg/L MAC
Sulfate	0	mg/L	≤ 500 mg/L AO
Total Dissolved Solids (Calc)	736.64	mg/L	≤ 500 mg/L AO
Cation Sum	14.18	mEq/L	
Anion Sum	13.7	mEq/L	
Ion Balance(Cation/Anion)	103.5	%	
Ion Balance (% Difference)	1.72	%	

**Comments:**
**Received:** 7/11/2006

**Reported:** 7/18/2006

**Certified By:**
**CDW = Canadian Drinking Water**
**AO = Aesthetic Objectives**
**MAC = Maximum Acceptable Concentration**