

**ANALYTICAL DATA REPORT**

Client Company: Town of High River      Date Received: Feb 09 2010      Lab File #: 122925  
 Client Contact: Barry Prestie      Date Reported: Feb 17 2010  
 Client Project #:

Sample ID: 122925-1, Bi-Annual Treated Water

Date Sampled: Feb 09, 2010

Parameter Name	Units	Results	Detection Limit
Ammonia-N	mg/L	<0.01	0.01
Total Organic Carbon	mg/L	<0.05	0.05

**Package Name: Basic Water Potability Package**

Parameter Name	Units	Results	Detection Limit	Guideline Limit <sup>a</sup>
Calcium	mg/L	69.0	0.006	
Magnesium	mg/L	17.4	0.002	
Sodium	mg/L	7.94	0.02	
Fluoride	mg/L	0.20	0.09	1.5(MAC)
Nitrite-N	mg/L	<0.003	0.003	1(MAC)
Nitrate-N	mg/L	0.317	0.002	10(MAC)
Nitrite+Nitrate-N	mg/L	0.317	0.005	10(MAC)
Total Alkalinity as CaCO3	mg/L	216	1	
Total Hardness	mg/L	245	1	
Total Dissolved Solids	mg/L	289	1	
Turbidity	NTU	0.3	0.1	1.0/3.0/0.3 <sup>b</sup>

**Package Name: Dissolved Metals (Al Cu Pb)**

Parameter Name	Units	Results	Detection Limit	Guideline Limit <sup>a</sup>
Dissolved Aluminum	mg/L	<0.01	0.01	
Dissolved Copper	mg/L	0.0036	0.0005	
Dissolved Lead	mg/L	0.0003	0.0002	0.01(MAC)

Comments:

**Test Methodologies<sup>c</sup>:**

Alkalinity (water): Based on APHA 2320B  
 Ammonia (water): Based on APHA 4500-NH3  
 Anions (water): Based on EPA 300.1 & APHA 4110B  
 Dissolved Metals: Based on APHA 3030B, APHA 3120 by ICP-OES and APHA 3125 by ICP-MS  
 Hardness (water): Based on APHA 1030F  
 Major Ions (water): Based on EPA 300.1 & APHA 4110B  
 TOC (water): Based on APHA 5310B  
 Turbidity (water): Based on APHA 2130B

QA/QC Reviewed By: \_\_\_\_\_

Lab Manager: \_\_\_\_\_ A. Salcedo

<sup>a</sup>CDWQG = Canadian Drinking Water Quality Guidelines, Health Canada 2008. MAC = Maximum Acceptable Concentration (affects health)

<sup>b</sup>Based on conventional treatment/slow sand or diatomaceous earth filtration/membrane filtration. No limits apply for well water not under the influence of surface water

<sup>c</sup>Detailed test methodologies and QA/QC data available upon request.

Note: The results in this report relate only to the items tested. Information is available for any items in 5.10.2 of ISO/IEC 17025 that cannot be put on a test report.