

North Island Laboratories

• 2755 B Moray Avenue, Courtenay, B.C. V9N 8M9 Tel: (250) 338-7786 Fax: (250) 338-7553

Certificate of Analysis

Report To: Public Works
Village of Cumberland
Box 340
Cumberland, BC
V0R 1S0

Lab Number: 114937
Date Reported: 15 Oct 14
Date Completed: 15 Oct 14
Date Received: 7 Oct 14 10:37

114937-01 Village of Cumberland
Sampled By: Kevin Fitzgerald
Sampling Date: 7 Oct 14 8:20

Raw Water

Chlorinator

Test	Result	Units	Drinking Water Guideline
Total Coliforms (DES)	>200.5	MPN/100mL	<1
E. coli (DES)	1.0	MPN/100mL	<1
Colour - Apparent	30	Colour Units	15
UV Transmittance	84.1	%/cm	
Fluoride	<0.05	mg/L	1.5 MAC
Chloride	0.8	mg/L	250 AO
Nitrate (N)	<0.05	mg/L	10 MAC
Nitrite (N)	<0.05	mg/L	1 MAC
Sulphate	<0.5	mg/L	500 AO
T-Aluminium	0.022	mg/L	0.1 Operational Std.
T-Antimony	<0.0001	mg/L	0.006 MAC
T-Arsenic	0.00008	mg/L	0.010 MAC
T-Barium	0.00144	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Bismuth	<0.0001	mg/L	
T-Boron	0.015	mg/L	5 IMAC
T-Cadmium	0.00001	mg/L	0.005 MAC
T-Calcium	4.27	mg/L	
T-Chromium	<0.0005	mg/L	0.05 MAC
T-Cobalt	0.0002	mg/L	
T-Copper	0.0297	mg/L	1.0 AO
T-Iron	1.15	mg/L	0.3 AO
T-Lead	0.0055	mg/L	0.010 MAC
T-Lithium	<0.0005	mg/L	
T-Magnesium	1.17	mg/L	
T-Manganese	0.134	mg/L	0.05 AO

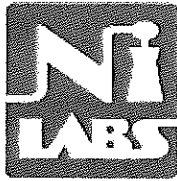
AO = Aesthetic Objective; MAC = Max. Allowable Concentration; IMAC = Interim MAC
> = Greater than; < = Less than

Results relate only to samples as submitted. This certificate must not be reproduced, except in its entirety, without written consent from the laboratory.

Canadian Drinking Water Guidelines as listed on Dec. 5th, 2005 and are subject to change. Method uncertainties for specified analyses are available upon request.

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Test	Result	Units	Drinking Water Guideline
T-Molybdenum	<0.00005	mg/L	
T-Nickel	0.0006	mg/L	
T-Potassium	<0.1	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	2.21	mg/L	
T-Silver	<0.00005	mg/L	
T-Sodium	1.4	mg/L	200 AO
T-Strontium	0.0095	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	<0.0001	mg/L	
T-Titanium	0.001	mg/L	
T-Uranium	<0.00001	mg/L	0.02 MAC
T-Vanadium	0.0006	mg/L	
T-Zinc	0.184	mg/L	5 AO
Hardness (CaCO3)	15	mg/L	
Tannins & Lignins	0.4	mg/L	0.4 AO
pH at 25 C	7.2	pH Units	6.5-8.5
Alkalinity	<20	mg/L (CaCO3)	
Turbidity	2.2	NTU's	0.1 Operational Stand
Total Dissolved Solids (conductivity ca	23	mg/L	500 AO

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