



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: 648613 BC LTD
Db. Pady Consulting
Candice Pady
1339 Meadowood Way
Qualicum Beach, BC V9K 2S4

Lab Number: 104370
Date Reported: 7 Aug 13
Date Completed: 7 Aug 13
Date Received: 22 Jul 13 15:11

104370-01 Well # 1

LQRV

Sampled By:

Sampling Date: 22 Jul 13 13:00

Test	Result	Units	Drinking Water Guideline
Total Coliforms (DES)	<1.0	MPN/100mL	<1
E. coli (DES)	<1.0	MPN/100mL	<1
Colour - Apparent	<5	Colour Units	15
UV Transmittance	98.7	%/cm	
Fluoride	<0.05	mg/L	1.5 MAC
Chloride	1.5	mg/L	250 AO
Nitrate (N)	0.08	mg/L	10 MAC
Nitrite (N)	<0.05	mg/L	1 MAC
Sulphate	1.2	mg/L	500 AO
T-Aluminium	<0.005	mg/L	0.1 Operational Std.
T-Antimony	<0.0001	mg/L	0.006 MAC
T-Arsenic	<0.00005	mg/L	0.010 MAC
T-Barium	0.00192	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Bismuth	<0.0001	mg/L	
T-Boron	0.004	mg/L	5 IMAC
T-Cadmium	<0.00001	mg/L	0.005 MAC
T-Calcium	7.29	mg/L	
T-Chromium	<0.0005	mg/L	0.05 MAC
T-Cobalt	<0.0001	mg/L	
T-Copper	0.003	mg/L	1.0 AO
T-Iron	<0.002	mg/L	0.3 AO
T-Lead	0.0003	mg/L	0.010 MAC
T-Lithium	<0.0005	mg/L	
T-Magnesium	1.24	mg/L	
T-Manganese	<0.001	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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104370-01 Well # 1

LQRV

Sampled By:

Sampling Date: 22 Jul 13 13:00

Test	Result	Units	Drinking Water Guideline
T-Molybdenum	0.00011	mg/L	
T-Nickel	<0.0002	mg/L	
T-Potassium	<0.1	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	5.48	mg/L	
T-Silver	<0.00005	mg/L	
T-Sodium	2.1	mg/L	200 AO
T-Strontium	0.0173	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	<0.0001	mg/L	
T-Titanium	<0.0005	mg/L	
T-Uranium	<0.00001	mg/L	0.02 MAC
T-Vanadium	0.0007	mg/L	
T-Zinc	0.0009	mg/L	5 AO
Hardness (CaCO ₃)	23	mg/L	
Tannins & Lignins	<0.1	mg/L	0.4 AO
pH at 25 C	6.7	pH Units	6.5-8.5
Alkalinity	36	mg/L (CaCO ₃)	
Turbidity	<0.5	NTU's	5 AO
Total Dissolved Solids (conductivity ca	51	mg/L	500 AO

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104370-01

Test	Method	Analyst	Date
Alkalinity	Titration to 4.5, APHA 2320 B -modified	NiSL	7/26/2013
Chloride	Ion Chromatography, EPA 300.1 -modified	NiSL	7/24/2013
Colour - Apparent	Spectrophotometer, APHA 2120 C -modified	NiSL	7/25/2013
E. coli (DES)	Enzyme Substrate, APHA 9223 B -modified	NiSL	7/22/2013
Fluoride	Ion Chromatography, EPA 300.1 -modified	NiSL	7/24/2013
Hardness (CaCO ₃)	Hardness by Calculation, APHA 2340 B -modified	NiSL	8/7/2013
Nitrate (N)	Ion Chromatography, EPA 300.1 -modified	NiSL	7/24/2013
Nitrite (N)	Ion Chromatography, EPA 300.1 -modified	NiSL	7/24/2013
pH at 25 C	Electrometric, APHA 4500 B -modified	NiSL	7/24/2013
Sulphate	Ion Chromatography, EPA 300.1 -modified	NiSL	7/24/2013
T-Aluminium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Antimony	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Arsenic	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Barium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Beryllium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Bismuth	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Boron	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Cadmium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Calcium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Chromium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Cobalt	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Copper	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Iron	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Lead	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Lithium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Magnesium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Manganese	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Molybdenum	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Nickel	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Potassium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Selenium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Silicon	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Silver	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Sodium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Strontium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013

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T-Thallium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Tin	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Titanium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Uranium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Vanadium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
T-Zinc	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	7/29/2013
Tannins & Lignins	Exova Subcontract,Colorimetric,APHA 5550B-modified	EXL	7/25/2013
Total Coliforms (DES)	Enzyme Substrate, APHA 9223 B -modified	NIsL	7/22/2013
Total Dissolved Solids (conducti	Conductivity @25C, APHA 2510 A -modified	NIsL	7/26/2013
Turbidity	Nephelometric, APHA 2130 B -modified	NIsL	7/24/2013
UV Transmittance	APHA 5910 B -modified	NIsL	7/25/2013

Approved By: 

Catherine Black, Owner/Operator

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