



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: Qualicum Bay Horne Lake
Waterworks Dist.
234 Lions Way
Qualicum Beach, BC
V9K 2E2

Lab Number: 115292
Date Reported: 4 Nov 14
Date Completed: 3 Nov 14
Date Received: 22 Oct 14 15:42

115292-01 Well #2

Sampled By: Joe Wolls
Sampling Date: 22 Oct 14 13:10

Test	Result	Units	Drinking Water Guideline
Total Coliforms (DES)	<1.0	MPN/100mL	<1
E. coli (DES)	<1.0	MPN/100mL	<1
T-Aluminium	<0.005	mg/L	0.1 Operational Std
T-Antimony	<0.0001	mg/L	0.006 MAC
T-Arsenic	0.00204	mg/L	0.010 MAC
T-Barium	0.00472	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Boron	0.015	mg/L	5 MAC
T-Bismuth	<0.0001	mg/L	
T-Cadmium	0.00014	mg/L	0.005 MAC
T-Calcium	20.6	mg/L	
T-Chromium	<0.0005	mg/L	0.05 MAC
T-Cobalt	<0.0001	mg/L	
T-Copper	0.0029	mg/L	1.0 AO
T-Iron	0.099	mg/L	0.3 AO
T-Lead	0.0006	mg/L	0.010 MAC
T-Lithium	<0.0005	mg/L	
T-Magnesium	5.1	mg/L	
T-Manganese	0.106	mg/L	0.05 AO
T-Molybdenum	0.00023	mg/L	
T-Nickel	0.0004	mg/L	
T-Potassium	1.4	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	8.63	mg/L	
T-Silver	<0.00005	mg/L	
T-Sodium	10.6	mg/L	200 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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115292-01 Well #2

Sampled By: Joe Wolls

Sampling Date: 22 Oct 14 13:10

Test	Result	Units	Drinking Water Guideline
T-Strontium	0.0395	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	<0.0001	mg/L	
T-Titanium	<0.0005	mg/L	
T-Uranium	0.00002	mg/L	
T-Vanadium	0.0036	mg/L	
T-Zinc	0.0559	mg/L	5.0 AO
Hardness (CaCO ₃)	72	mg/L	80-100

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We suggest the following Health Canada website for further information regarding the latest drinking water quality guidelines to help you assess your results:

<http://www.hc-sc.gc.ca/ewh-semt/water-eau/drink-potab/guide/index-eng.php>

Test	Method	Analyst	Date
E. coli (DES)	Enzyme Substrate, APHA 9223 B -modified	NiSL	10/23/2014
Hardness (CaCO ₃)	Hardness by Calculation, APHA 2340 B -modified	NiSL	11/3/2014
T-Aluminium	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Antimony	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Arsenic	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Barium	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Beryllium	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Bismuth	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Boron	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Cadmium	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Calcium	Exova Subcontract, ICP, APHA 3120B -modified	EXL	10/27/2014
T-Chromium	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Cobalt	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Copper	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Iron	Exova Subcontract, ICP, APHA 3120B -modified	EXL	10/27/2014
T-Lead	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Lithium	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Magnesium	Exova Subcontract, ICP, APHA 3120B-modified	EXL	10/27/2014
T-Manganese	Exova Subcontract, ICP, APHA 3120B -modified	EXL	10/27/2014
T-Molybdenum	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Nickel	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Potassium	Exova Subcontract, ICP, APHA 3120B - modified	EXL	10/27/2014
T-Selenium	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Silicon	Exova Subcontract, ICP, APHA 3120B - modified	EXL	10/27/2014
T-Silver	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Sodium	Exova Subcontract, ICP, APHA 3120B - modified	EXL	10/27/2014
T-Strontium	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Thallium	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Tin	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Titanium	Exova Subcontract, ICP, APHA 3120B - modified	EXL	10/27/2014
T-Uranium	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014
T-Vanadium	Exova Subcontract, ICP, APHA 3120B - modified	EXL	10/27/2014
T-Zinc	Exova Subcontract, ICP-MS,USEPA 200.8-modified	EXL	10/27/2014

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Total Coliforms (DES)

Enzyme Substrate, APHA 9223 B -modified

NIsL

10/23/2014

Approved By:

Catherine Black, Owner/Operator

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