



Your C.O.C. #: WI021755

**Attention: STEVE CHRISTENSEN**

STEVE CHRISTENSEN  
7300 THE POINT RD.  
DENMAN IS, BC  
Canada

**Report Date: 2020/03/10**

Report #: R2856198

Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C016541**

**Received: 2020/03/05, 09:20**

Sample Matrix: Water  
# Samples Received: 1

Analyses	Date		Laboratory Method	Analytical Method
	Quantity	Extracted		
Chloride/Sulphate by Auto Colourimetry (1)	1	N/A	2020/03/06 BBY6SOP-00011 / BBY6SOP-00017	SM23-4500-Cl/SO4-E m
Coliforms & E.coli by Quantitray (MPN)	1	N/A	2020/03/05 CTYSOP-00002	SM 23 9223
Fluoride (1)	1	N/A	2020/03/06 BBY6SOP-00048	SM 23 4500-F C m
Hardness Total (calculated as CaCO3) (1, 2)	1	N/A	2020/03/10 BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total) (1)	1	2020/03/05	2020/03/10 BBY WI-00033	Auto Calc
Elements by CRC ICPMS (total) (1)	1	2020/03/09	2020/03/10 BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Nitrate + Nitrite (N) (1)	1	N/A	2020/03/07 BBY6SOP-00010	SM 23 4500-NO3- I m
Nitrite (N) by CFA (1)	1	N/A	2020/03/07 BBY6SOP-00010	SM 23 4500-NO3- I m
Nitrogen - Nitrate (as N) (1)	1	N/A	2020/03/08 BBY WI-00033	Auto Calc
pH @25°C (1, 3)	1	N/A	2020/03/06 BBY6SOP-00026	SM 23 4500-H+ B m
Total Dissolved Solids (Filt. Residue) (1)	1	2020/03/06	2020/03/09 BBY6SOP-00033	SM 23 2540 C m

**Remarks:**

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

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Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



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- (1) This test was performed by BV Labs Vancouver
- (2) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
- (3) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas Laboratories endeavours to analyze samples as soon as possible after receipt.

Encryption Key



**AUTHORIZED REPORT  
RAPPORT AUTORISÉ**

Bureau Veritas Laboratories  
10 Mar 2020 16:29:40

Please direct all questions regarding this Certificate of Analysis to your Project Manager.  
Customer Solutions, Western Canada Customer Experience Team  
Email: customersolutionswest@bvlabs.com  
Phone# (833) 282-5227

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This report has been generated and distributed using a secure automated process.  
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**HOME SAFETY SCAN - COURTENAY (WATER)**

<b>BV Labs ID</b>				XM6828
<b>Sampling Date</b>				2020/03/05 07:00
<b>COC Number</b>				WI021755
	<b>UNITS</b>	<b>MAC</b>	<b>AO</b>	<b>KITCHEN SINK - TAP</b>
<b>ANIONS</b>				
Nitrite (N)	mg/L	1	-	<0.0050
<b>Calculated Parameters</b>				
Total Hardness (CaCO3)	mg/L	-	-	23.0
Nitrate (N)	mg/L	10	-	0.030
<b>Misc. Inorganics</b>				
pH	pH	-	-	7.27
Total Dissolved Solids	mg/L	-	-	42
<b>Anions</b>				
Dissolved Fluoride (F)	mg/L	1.5	-	<0.050
Dissolved Chloride (Cl)	mg/L	-	250	5.5
Dissolved Sulphate (SO4)	mg/L	-	500	2.1
<b>Nutrients</b>				
Nitrate plus Nitrite (N)	mg/L	-	-	0.030
<b>Total Metals by ICPMS</b>				
Total Aluminum (Al)	ug/L	-	-	<3.0
Total Antimony (Sb)	ug/L	6	-	<0.50
Total Arsenic (As)	ug/L	10	-	<0.10
Total Barium (Ba)	ug/L	1000	-	1.1
Total Beryllium (Be)	ug/L	-	-	<0.10
Total Bismuth (Bi)	ug/L	-	-	<1.0
Total Boron (B)	ug/L	5000	-	<50
Total Cadmium (Cd)	ug/L	5	-	<0.010
Total Chromium (Cr)	ug/L	50	-	<1.0
Total Cobalt (Co)	ug/L	-	-	<0.20
Total Copper (Cu)	ug/L	2000	1000	10.0
Total Iron (Fe)	ug/L	-	300	27
Total Lead (Pb)	ug/L	5	-	0.23
Total Lithium (Li)	ug/L	-	-	<2.0
Total Manganese (Mn)	ug/L	120	20	9.1
Total Molybdenum (Mo)	ug/L	-	-	<1.0
Total Nickel (Ni)	ug/L	-	-	<1.0
Total Phosphorus (P)	ug/L	-	-	<10
Total Selenium (Se)	ug/L	50	-	<0.10
Total Silicon (Si)	ug/L	-	-	8820
No Fill	No Exceedance			
Grey	Exceeds 1 criteria policy/level			
Black	Exceeds both criteria/levels			



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### HOME SAFETY SCAN - COURTENAY (WATER)

<b>BV Labs ID</b>				XM6828
<b>Sampling Date</b>				2020/03/05 07:00
<b>COC Number</b>				WI021755
	<b>UNITS</b>	<b>MAC</b>	<b>AO</b>	<b>KITCHEN SINK - TAP</b>
Total Silver (Ag)	ug/L	-	-	<0.020
Total Strontium (Sr)	ug/L	7000	-	27.1
Total Thallium (Tl)	ug/L	-	-	<0.010
Total Tin (Sn)	ug/L	-	-	<5.0
Total Titanium (Ti)	ug/L	-	-	<5.0
Total Uranium (U)	ug/L	20	-	<0.10
Total Vanadium (V)	ug/L	-	-	<5.0
Total Zinc (Zn)	ug/L	-	5000	13.6
Total Zirconium (Zr)	ug/L	-	-	<0.10
Total Calcium (Ca)	mg/L	-	-	6.51
Total Magnesium (Mg)	mg/L	-	-	1.63
Total Potassium (K)	mg/L	-	-	0.367
Total Sodium (Na)	mg/L	-	200	4.62
Total Sulphur (S)	mg/L	-	-	<3.0
<b>Microbiological Param.</b>				
Total Coliforms (QT)	MPN/100mL	0	-	0
E. coli (QT)	MPN/100mL	0	-	0
No Fill	No Exceedance			
Grey	Exceeds 1 criteria policy/level			
Black	Exceeds both criteria/levels			



## GENERAL COMMENTS

MAC,AO: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, June 2019.

MAC = Maximum Acceptable Concentration

AO = Aesthetic Objectives

It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.
4. To ensure effectiveness of disinfection and for good operation of the distribution system, it is recommended that water entering the distribution system have turbidity levels of 1.0 NTU or less.

Measurement of Uncertainty has not been accounted for when stating conformity to the selected criteria, where applicable.

**Results relate only to the items tested.**



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### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

A handwritten signature in black ink, appearing to read "Andy Lu", written over a horizontal line.

Andy Lu, Ph.D., P.Chem., Scientific Specialist

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BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.