



2018-12-12 14:13

CERTIFICATE OF ANALYSIS

You know that the sample you collected after

snowshoeing to site, digging 5 meters, and

racing to get it on a plane so you can submit it

to the lab for time sensitive results needed to

(whew) is VERY important. We know that too.

expensive decisions

REPORTED TO Interior Health Authority - Kamloops

> 519 Columbia Street Kamloops, BC V2C 2T8

ATTENTION Jessy Bhatti **WORK ORDER** 8120500

2018-12-05 09:45 / 2°C **PO NUMBER RECEIVED / TEMP**

Comprehensive Testing 2018 (Jessy Bhatti) 172 Barclay St, Walhachin, BC No Number **PROJECT INFO COC NUMBER**

Introduction:

PROJECT

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO 17025:2005 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks

make important and

We've Got Chemistry

It's simple. We figure the more you with fun and enjoy working our the more engaged team members; likely you are to give us continued opportunities to support you.

Ahead of the Curve

REPORTED

Through research, regulation knowledge, and instrumentation, are your analytical centre the for technical knowledge you BEFORE you need it, so you can stay up to date and in the know.

If you have any questions or concerns, please contact me at jnobrega@caro.ca

Authorized By:

Jessica Nobrega, B.Sc. Client Service Manager

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TEST RESULTS

REPORTED TO	Interior Health Authority - Kamloops	WORK ORDER	8120500
PROJECT	Comprehensive Testing 2018 (Jessy Bhatti)	REPORTED	2018-12-12 14:13

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifie
Walhachin CWS, Pumphouse (8120500-0	01) Matrix: Water	Sampled: 2018-12	2-04 11:30			
Anions						
Chloride	0.97	AO ≤ 250	0.10	mg/L	2018-12-07	
Fluoride	< 0.10	MAC = 1.5	0.10	mg/L	2018-12-07	
Nitrate (as N)	0.119	MAC = 10	0.010	mg/L	2018-12-07	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	2018-12-07	
Sulfate	9.0	AO ≤ 500		mg/L	2018-12-07	
Calculated Parameters						
Hardness, Total (as CaCO3)	44.4	None Required	0.500	mg/L	N/A	
Solids, Total Dissolved	29.8	AO ≤ 500	1.00	mg/L	N/A	
General Parameters						
Alkalinity, Total (as CaCO3)	43.3	N/A	1.0	mg/L	2018-12-06	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A		mg/L	2018-12-06	
Alkalinity, Bicarbonate (as CaCO3)	43.3	N/A		mg/L	2018-12-06	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A		mg/L	2018-12-06	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A		mg/L	2018-12-06	
Colour, True	7.9	AO ≤ 15		CU	2018-12-07	
Conductivity (EC)	103	N/A	2.0	μS/cm	2018-12-06	
Cyanide, Total	< 0.0020	MAC = 0.2	0.0020	mg/L	2018-12-07	
Cation-Anion Balance	-100	N/A			2018-12-06	
pH	7.65	7.0-10.5	0.10	pH units	2018-12-06	HT2
Temperature, at pH	21.3	N/A		°C	2018-12-06	HT2
Turbidity	1.02	OG < 1	0.10	NTU	2018-12-07	
Fotal Metals						
Aluminum, total	0.0256	OG < 0.1	0.0050	mg/L	2018-12-11	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2018-12-11	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2018-12-11	
Barium, total	0.0109	MAC = 1	0.0050	mg/L	2018-12-11	
Boron, total	0.0064	MAC = 5	0.0050	mg/L	2018-12-11	
Cadmium, total	0.000010	MAC = 0.005	0.000010	mg/L	2018-12-11	
Calcium, total	13.3	None Required	0.20	mg/L	2018-12-11	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2018-12-11	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2018-12-11	
Copper, total	0.00611	AO ≤ 1	0.00040	mg/L	2018-12-11	
Iron, total	0.059	AO ≤ 0.3	0.010	mg/L	2018-12-11	
Lead, total	0.00081	MAC = 0.01	0.00020	mg/L	2018-12-11	
Magnesium, total	2.69	None Required	0.010	mg/L	2018-12-11	
Manganese, total	0.00542	AO ≤ 0.05	0.00020		2018-12-11	
Mercury, total	< 0.000010	MAC = 0.001	0.000010	mg/L	2018-12-12	
Molybdenum, total	0.00081	N/A	0.00010	mg/L	2018-12-11	
Nickel, total	0.00061	N/A	0.00040	mg/L	2018-12-11	
Potassium, total	0.84	N/A	0.10	mg/L	2018-12-11	



TEST RESULTS

REPORTED TO Interior Health Authority - Kamloops WORK ORDER 8120500

0.0098

PROJECT Comprehensive Testing 2018 (Jessy Bhatti) REPORTED 2018-12-12 14:13

Analyte	Result	Guideline	RL Units	Analyzed	Qualifier
Walhachin CWS, Pumphouse	(8120500-01) Matrix: Water	Sampled: 2018-1	2-04 11:30, Continued		
Total Metals, Continued					
Selenium, total	< 0.00050	MAC = 0.05	0.00050 mg/L	2018-12-11	
Sodium, total	2.45	AO ≤ 200	0.10 mg/L	2018-12-11	
Strontium, total	0.0814	N/A	0.0010 mg/L	2018-12-11	
Uranium. total	0.000372	MAC = 0.02	0.000020 ma/L	2018-12-11	

Sample Qualifiers:

Zinc, total

HT2 The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.

AO ≤ 5

0.0040 mg/L

2018-12-11



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO Interior Health Authority - Kamloops

Comprehensive Testing 2018 (Jessy Bhatti)

2018-12-12 14:13 **PROJECT** REPORTED

WORK ORDER

8120500

Analysis Description	Method Ref.	Technique	Location
Alkalinity in Water	SM 2320 B* (2011)	Titration with H2SO4	Kelowna
Anions in Water	SM 4110 B (2011)	Ion Chromatography	Kelowna
Colour, True in Water	SM 2120 C (2011)	Spectrophotometry (456 nm)	Kelowna
Conductivity in Water	SM 2510 B (2011)	Conductivity Meter	Kelowna
Cyanide, SAD in Water	ASTM D7511-12	Flow Injection with In-Line UV Digestion and Amperometry	Kelowna
Hardness in Water	SM 2340 B* (2011)	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Est)	N/A
Mercury, total in Water	EPA 245.7*	BrCl2 Oxidation / Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)	Richmond
pH in Water	SM 4500-H+ B (2011)	Electrometry	Kelowna
Solids, Total Dissolved in Water	SM 1030 E (2011)	Calculation: 100 x ([Cations]-[Anions])/([Cations]+[Anions])	N/A
Total Metals in Water	EPA 200.2* / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	Richmond
Turbidity in Water	SM 2130 B (2011)	Nephelometry	Kelowna

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL Reporting Limit (default)

Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors <

°C **Degrees Celcius** ΑO Aesthetic Objective

Colour Units (referenced against a platinum cobalt standard) CU

Maximum Acceptable Concentration (health based) MAC

mg/L Milligrams per litre

NTU Nephelometric Turbidity Units Operational Guideline (treated water) OGpH units pH < 7 = acidic, ph > 7 = basicMicrosiemens per centimetre μS/cm **ASTM ASTM International Test Methods**

EPA United States Environmental Protection Agency Test Methods

SM Standard Methods for the Examination of Water and Wastewater, American Public Health Association

General Comments:

The results in this report apply to the samples analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety. CARO is not responsible for any loss or damage resulting directly or indirectly from error or omission in the conduct of testing. Liability is limited to the cost of analysis. Samples will be disposed of 30 days after the test report has been issued unless otherwise agreed to in writing.



REPORTED TO Interior Health Authority - Kamloops **PROJECT** Comprehensive Testing 2018 (Jessy Bhatti) **WORK ORDER REPORTED**

8120500 2018-12-12 14:13

The following section displays the quality control (QC) data that is associated with your sample data. Groups of samples are prepared in "batches" and analyzed in conjunction with QC samples that ensure your data is of the highest quality. Common QC types include:

- Method Blank (Blk): A blank sample that undergoes sample processing identical to that carried out for the test samples. Method blank results are used to assess contamination from the laboratory environment and reagents.
- Duplicate (Dup): An additional or second portion of a randomly selected sample in the analytical run carried through the entire analytical process. Duplicates provide a measure of the analytical method's precision (reproducibility).
- Blank Spike (BS): A sample of known concentration which undergoes processing identical to that carried out for test samples, also referred to as a laboratory control sample (LCS). Blank spikes provide a measure of the analytical method's accuracy.
- Matrix Spike (MS): A second aliquot of sample is fortified with with a known concentration of target analytes and carried through the entire analytical process. Matrix spikes evaluate potential matrix effects that may affect the analyte recovery.
- Reference Material (SRM): A homogenous material of similar matrix to the samples, certified for the parameter(s) listed. Reference Materials ensure that the analytical process is adequate to achieve acceptable recoveries of the parameter(s) tested.

Each QC type is analyzed at a 5-10% frequency, i.e. one blank/duplicate/spike for every 10-20 samples. For all types of QC, the specified recovery (% Rec) and relative percent difference (RPD) limits are derived from long-term method performance averages and/or prescribed by the reference method.

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifie
Anions, Batch B8L0375									
Blank (B8L0375-BLK1)			Prepared	l: 2018-12-0	6, Analyze	d: 2018-	12-06		
Chloride	< 0.10	0.10 mg/L							
Fluoride	< 0.10	0.10 mg/L							
Nitrate (as N)	< 0.010	0.010 mg/L							
Nitrite (as N)	< 0.010	0.010 mg/L							
Sulfate	< 1.0	1.0 mg/L							
LCS (B8L0375-BS1)			Prepared	l: 2018-12-0	6, Analyze	d: 2018-	12-06		
Chloride	16.0	0.10 mg/L	16.0		100	90-110			
Fluoride	4.01	0.10 mg/L	4.00		100	88-108			
Nitrate (as N)	4.00	0.010 mg/L	4.00		100	93-108			
Nitrite (as N)	2.05	0.010 mg/L	2.00		103	85-114			
Sulfate	15.9	1.0 mg/L	16.0		100	91-109			
General Parameters, Batch B8L0419									
Blank (B8L0419-BLK1)			Prepared	l: 2018-12-0	06, Analyze	d: 2018-	12-06		

Alkalinity, Total (as CaCO3)	< 1.0	1.0 mg/L				
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	1.0 mg/L				
Alkalinity, Bicarbonate (as CaCO3)	< 1.0	1.0 mg/L				
Alkalinity, Carbonate (as CaCO3)	< 1.0	1.0 mg/L				
Alkalinity, Hydroxide (as CaCO3)	< 1.0	1.0 mg/L				
Conductivity (EC)	< 2.0	2.0 µS/cm				
Cation-Anion Balance	0.0	mg/L				
LCS (B8L0419-BS1)			Prepared: 20	18-12-06, Analyze	d: 2018-12-06	
Alkalinity, Total (as CaCO3)	101	1.0 mg/L	100	101	92-106	
LCS (B8L0419-BS2)			Prepared: 20	18-12-06, Analyze	d: 2018-12-06	
Conductivity (EC)	1420	2.0 μS/cm	1410	101	95-104	
Reference (B8L0419-SRM1)			Prepared: 20	18-12-06, Analyze	d: 2018-12-06	
рН	7.00	0.10 pH units	7.01	100	98-102	HT2

General Parameters, Batch B8L0470



REPORTED TO PROJECT		Authority - Kamloo Testing 2018 (Je	•				WORK ORDER REPORTED		8120500 2018-12-12 14:1		
Analyte		Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifie	
General Parameter	s, Batch B8L0470,	Continued									
Blank (B8L0470-B	LK1)			Prepared	: 2018-12-0	7, Analyze	d: 2018-1	12-07			
Cyanide, Total		< 0.0020	0.0020 mg/L								
Blank (B8L0470-B	I K2)			Prenared	: 2018-12-0	7 Analyze	d: 2018-1	12-07			
Cyanide, Total	LIVE	< 0.0020	0.0020 mg/L	1 Toparcu	. 2010-12-0	7, Allaly20	u. 2010-	12-01			
	4)	0.0020	0.0020g.2	D	. 0040 40 0	7 4	-l. 0040 4	10.07			
LCS (B8L0470-BS	1)	0.0100	0.0000		: 2018-12-0			12-07			
Cyanide, Total		0.0193	0.0020 mg/L	0.0200		97	82-120				
LCS (B8L0470-BS	2)			Prepared	: 2018-12-0	7, Analyze	d: 2018-1	12-07			
Cyanide, Total		0.0199	0.0020 mg/L	0.0200		100	82-120				
LCS Dup (B8L0470	0-BSD1)			Prepared	: 2018-12-0	7, Analyze	d: 2018-1	12-07			
Cyanide, Total	· · · · · · · · · · · · · · · · · · ·	0.0191	0.0020 mg/L	0.0200		96	82-120	< 1	10		
	n BeDa)		<u> </u>	Dropared	. 2010 12 0	7 Analyzo	d: 2019 1	12.07			
Cuanida Tatal	J-B3D2)	0.0000	0.0000//		: 2018-12-0			< 1	40		
Cyanide, Total		0.0200	0.0020 mg/L	0.0200		100	82-120		10		
General Parameter	s, Batch B8L0474										
Blank (B8L0474-B	LK1)			Prepared	: 2018-12-0	7, Analyze	d: 2018-1	2-07			
Colour, True		< 5.0	5.0 CU								
LCS (B8L0474-BS	1)			Prepared	: 2018-12-0	7, Analyze	d: 2018-1	2-07			
Colour, True	·	19	5.0 CU	20.0		97	85-115				
Blank (B8L0475-B Turbidity	s, Batch B8L0475	< 0.10	0.10 NTU	Prepared	: 2018-12-0	7, Analyze	d: 2018-1	12-07			
<u> </u>		10.10	0.10 1410		0010.10.0						
Blank (B8L0475-B	LK2)			Prepared	: 2018-12-0	7, Analyze	d: 2018-1	12-07			
Turbidity		< 0.10	0.10 NTU								
LCS (B8L0475-BS	1)			Prepared	: 2018-12-0	7, Analyze	d: 2018-1	2-07			
Turbidity		42.1	0.10 NTU	40.0		105	90-110				
LCS (B8L0475-BS	2)			Prepared	: 2018-12-0	7. Analvze	d: 2018-1	2-07			
Turbidity	-,	42.1	0.10 NTU	40.0		105	90-110				
,	- Bol 0005										
<i>Total Metals, Batcl</i> Blank (B8L0695-B				Prenared	: 2018-12-1	0 Analyze	d: 2018-1	12-11			
Aluminum, total	/	< 0.0050	0.0050 mg/L		0.0 1_ 1	-,, 20					
Antimony, total		< 0.00020	0.00020 mg/L								
Arsenic, total		< 0.00050	0.00050 mg/L								
Barium, total		< 0.0050	0.0050 mg/L								
Boron, total		< 0.0050	0.0050 mg/L								
Cadmium, total		< 0.000010 < 0.20	0.000010 mg/L								
Calcium, total Chromium, total		< 0.20	0.20 mg/L 0.00050 mg/L								
Cobalt, total		< 0.00030	0.00030 mg/L								
Copper, total		< 0.00040	0.00040 mg/L								
•••		< 0.010	0.010 mg/L								
iron, totai											
Iron, total Lead, total		< 0.00020	0.00020 mg/L 0.010 mg/L								



REPORTED TO PROJECT	Interior Health Authority - Kaml Comprehensive Testing 2018 (-	i)			WORK ORDER REPORTED			500 3-12-12	14:13
Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batca	h B8L0695, Continued									
Blank (B8L0695-B	LK1), Continued			Prepared	: 2018-12-1	0, Analyze	ed: 2018-	12-11		
Manganese, total	< 0.00020	0.00020	mg/L							
Molybdenum, total	< 0.00010	0.00010	mg/L							
Nickel, total	< 0.00040	0.00040	mg/L							
Potassium, total	< 0.10		mg/L							
Selenium, total	< 0.00050	0.00050								
Sodium, total	< 0.10		mg/L							
Strontium, total	< 0.0010 < 0.00020	0.0010 0.000020								
Uranium, total Zinc, total	< 0.0040	0.000020								
		0.0040	IIIg/L		0040 40 4	- A I	1 0040	10.44		
Blank (B8L0695-B	·	0.0050	/1	Prepared	: 2018-12-1	0, Analyze	ed: 2018-	12-11		
Aluminum, total Antimony, total	< 0.0050 < 0.00020	0.0050 0.00020								
Artimony, total Arsenic, total	< 0.00050	0.00020								
Barium, total	< 0.0050	0.0050								
Boron, total	< 0.0050	0.0050								
Cadmium, total	< 0.000010	0.000010								
Calcium, total	< 0.20		mg/L							
Chromium, total	< 0.00050	0.00050								
Cobalt, total	< 0.00010	0.00010	mg/L							
Copper, total	< 0.00040	0.00040	mg/L							
Iron, total	< 0.010		mg/L							
Lead, total	< 0.00020	0.00020								
Magnesium, total	< 0.010		mg/L							
Manganese, total	< 0.00020	0.00020								
Molybdenum, total	< 0.00010	0.00010								
Nickel, total	< 0.00040 < 0.10	0.00040								
Potassium, total Selenium, total	< 0.00050	0.00050	mg/L							
Sodium, total	< 0.10		mg/L							
Strontium, total	< 0.0010	0.0010								
Uranium, total	< 0.000020	0.000020								
Zinc, total	< 0.0040	0.0040								
Blank (B8L0695-B	LK3)			Prepared	2018-12-1	0, Analyze	ed: 2018-	12-11		
Aluminum, total	< 0.0050	0.0050	mg/L							
Antimony, total	< 0.00020	0.00020								
Arsenic, total	< 0.00050	0.00050								
Barium, total	< 0.0050	0.0050								
Boron, total	< 0.0050	0.0050								
Cadmium, total Calcium, total	< 0.000010 < 0.20	0.000010	mg/L mg/L							
Chromium, total	< 0.20	0.00050								
Cobalt, total	< 0.00030	0.00030								
Copper, total	< 0.00040	0.00040								
Iron, total	< 0.010	0.010								
Lead, total	< 0.00020	0.00020								
Magnesium, total	< 0.010		mg/L							
Manganese, total	< 0.00020	0.00020	mg/L							
Molybdenum, total	< 0.00010	0.00010								
Nickel, total	< 0.00040	0.00040								
Potassium, total	< 0.10		mg/L							
Selenium, total	< 0.00050	0.00050								
Sodium, total	< 0.10		mg/L							
Strontium, total	< 0.0010	0.0010								
Uranium, total	< 0.000020	0.000020	mg/L							



REPORTED TO PROJECT	Interior Health Authority - Kamlo Comprehensive Testing 2018 (J	•			WORK ORDER 8120500 REPORTED 2018-12-12 14:1			14:13	
Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch	n B8L0695, Continued								
Blank (B8L0695-Bl	LK3), Continued		Prepared	d: 2018-12-1	10, Analyze	d: 2018-	12-11		
Zinc, total	< 0.0040	0.0040 mg/L	· · · · · · · · · · · · · · · · · · ·		•				
			Droporos	N. 2010 12 1	10 Analyza	4. 2010 /	10 11		
Blank (B8L0695-BL	· · · · · · · · · · · · · · · · · · ·	0.0050	Prepared	d: 2018-12-1	iu, Anaiyze	a: 2018-	12-11		
Aluminum, total	< 0.0050	0.0050 mg/L 0.00020 mg/L							
Antimony, total Arsenic, total	< 0.00020 < 0.00050	0.00050 mg/L							
Barium, total	< 0.0050	0.0050 mg/L							
Boron, total	< 0.0050	0.0050 mg/L							
Cadmium, total	< 0.000010	0.000010 mg/L							
Calcium, total	< 0.20	0.20 mg/L							
Chromium, total	< 0.00050	0.00050 mg/L							
Cobalt, total	< 0.00010	0.00010 mg/L							
Copper, total	< 0.00040	0.00040 mg/L							
Iron, total	< 0.010	0.010 mg/L							
Lead, total	< 0.00020	0.00020 mg/L							
Magnesium, total	< 0.010	0.010 mg/L							
Manganese, total	< 0.00020	0.00020 mg/L							
Molybdenum, total	< 0.00010	0.00010 mg/L							
Nickel, total	< 0.00040	0.00040 mg/L							
Potassium, total	< 0.10	0.10 mg/L							
Selenium, total	< 0.00050	0.00050 mg/L							
Sodium, total	< 0.10	0.10 mg/L							
Strontium, total	< 0.0010	0.0010 mg/L							
Uranium, total	< 0.00020	0.000020 mg/L							
Zinc, total LCS (B8L0695-BS1	< 0.0040	0.0040 mg/L	Prepared	d: 2018-12-1	10. Analvze	d: 2018-	12-11		
Aluminum, total	0.0201	0.0050 mg/L	0.0200		100	80-120			
Antimony, total	0.0219	0.00020 mg/L	0.0200		110	80-120			
Arsenic, total	0.0203	0.00050 mg/L	0.0200		101	80-120			
Barium, total	0.0230	0.0050 mg/L	0.0200		115	80-120			
Boron, total	0.0188	0.0050 mg/L	0.0200		94	80-120			
Cadmium, total	0.0217	0.000010 mg/L	0.0200		108	80-120			
Calcium, total	2.10	0.20 mg/L	2.00		105	80-120			
Chromium, total	0.0184	0.00050 mg/L	0.0200		92	80-120			
Cobalt, total	0.0196	0.00010 mg/L	0.0200		98	80-120			
Copper, total	0.0197	0.00040 mg/L	0.0200		98	80-120			
Iron, total	1.95	0.010 mg/L	2.00		98	80-120			
Lead, total	0.0203	0.00020 mg/L	0.0200		102	80-120			
Magnesium, total	1.94	0.010 mg/L	2.00		97	80-120			
Manganese, total	0.0201	0.00020 mg/L	0.0200		101	80-120			
Molybdenum, total	0.0199	0.00010 mg/L	0.0200		99	80-120			
Nickel, total	0.0198	0.00040 mg/L	0.0200		99	80-120			
Potassium, total	1.72	0.10 mg/L	2.00		86	80-120			
Selenium, total Sodium, total	0.0207 1.85	0.00050 mg/L 0.10 mg/L	0.0200 2.00		104 92	80-120 80-120			
Strontium, total	0.0193	0.0010 mg/L	0.0200		97	80-120			
Uranium, total	0.0203	0.00000 mg/L	0.0200		101	80-120			
Zinc, total	0.0203	0.000020 Hig/L 0.0040 mg/L	0.0200		101	80-120			
Reference (B8L069		0.00-10 Hig/L		d: 2018-12-1			12-11		
Aluminum, total	0.252	0.0050 mg/L	0.303		83	82-114			
Antimony, total	0.252	0.0000 mg/L	0.303		109	88-115			
, andimorry, total			0.0311			88-111			
· · · · · · · · · · · · · · · · · · ·	∩ 117								
Arsenic, total Barium, total	0.117 0.868	0.00050 mg/L 0.0050 mg/L	0.110		99 105	83-110			



REPORTED TO	Interior Health Authority - Kamioops	WORK ORDER	8120500
PROJECT	Comprehensive Testing 2018 (Jessy Bhatti)	REPORTED	2018-12-12 14:13

Analyte	Result	RL Units	Spike	Source	% REC	REC	% RPD	RPD	Qualifier
			Level	Result		Limit		Limit	
Total Metals, Batch B8L0695, Continued									
Reference (B8L0695-SRM1), Continued			Prepared	l: 2018-12-1	0, Analyze	d: 2018-1	12-11		
Cadmium, total	0.0514	0.000010 mg/L	0.0495		104	90-110			
Calcium, total	11.2	0.20 mg/L	11.6		97	85-113			
Chromium, total	0.221	0.00050 mg/L	0.250		89	88-111			
Cobalt, total	0.0365	0.00010 mg/L	0.0377		97	90-114			
Copper, total	0.470	0.00040 mg/L	0.486		97	90-117			
Iron, total	0.469	0.010 mg/L	0.488		96	90-116			
Lead, total	0.200	0.00020 mg/L	0.204		98	90-110			
Magnesium, total	3.62	0.010 mg/L	3.79		95	88-116			
Manganese, total	0.105	0.00020 mg/L	0.109		96	88-108			
Molybdenum, total	0.196	0.00010 mg/L	0.198		99	88-110			
Nickel, total	0.233	0.00040 mg/L	0.249		94	90-112			
Potassium, total	6.25	0.10 mg/L	7.21		87	87-116			
Selenium, total	0.122	0.00050 mg/L	0.121		101	90-122			
Sodium, total	7.10	0.10 mg/L	7.54		94	86-118			
Strontium, total	0.357	0.0010 mg/L	0.375		95	86-110			
Uranium, total	0.0294	0.000020 mg/L	0.0306		96	88-112			
Zinc, total	2.30	0.0040 mg/L	2.49		92	90-113			

Total Metals, Batch B8L0777

Blank (B8L0777-BLK1)			Prepared: 2018	3-12-11, Analyze	ed: 2018-12-12	
Mercury, total	< 0.000010	0.000010 mg/L				
Reference (B8L0777-SRM1)			Prepared: 2018	3-12-11, Analyze	ed: 2018-12-12	
Mercury, total	0.00487	0.000010 mg/L	0.00489	100	80-120	

QC Qualifiers:

HT2 The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.



2018 Comprehensive Requisition Fo

Interior Health Authority – Kamloops Project: Comprehensive Testing 2018 (Jessy Bhatti) Email to receive report: Jastinder.Bhatti@interiorhealth.ca	Lab Number: Date Reported: Continue The Number of the N
DWO/EHO: Katie McNamara	TENTIFE TO THE TOTAL
Phone #: 250 851 7410 Cell #: 250	@ Interior health. ca
Facility Name: Walhachin CWS	Facility #: 660 249
Site Address: 172 Barclay St. Walhachin B.C. VOK 290 Phone #: 252 272 28 Fmail: time to a late of Fax #: 250 372 5048	
Phone #: 250 377 8673 Email: +mc	culæ ptord.ca Fax#: 250 372 5048
Sampler's Name: Dale Stachaski	Date Collected DD/MM/YYYY: 411318
Phone #:	11.20
Cell #: 250 318 3010	Time Collected HH/MM: ; 3 () (am)or pm
Email:	
Sampling Site Location: Pumpholise	44 44 SAMPLER MUST FILL IN SAMPLE SITE

Analysis

Alkalinity, all (KEL)

Coliforms, Total & Feeal by MPN (KEL)

Conductivity in Water (KEL)

Cyanide, Free in Water, Auto (KEL)

E. coli MPN Package (KEL)

Fluoride in Water, IC (KEL)

Langelier Index (CALC)

Mercury, total CVAFS Reg & Low (RMD)

Metals, total, All, Low (RMD)

Nitrogen, NO2 in water, IC (KEL)

Nitrogen, NO3 in water, IC (KEL)

pH in Water (KEL)

Sulfate in Water, IC (KEL)

Temperature (KEL)

Dec.5/18 0945 ACE BL 2°C

NOTE: Coliforms are excluded from the above package as a raw bacteriological water sample from the source (wellhead, intake, etc.) is time-senstive and should be collected separately as part of your routine bacteriological sampling program (i.e. the samples delivered every month to the Interior Health offices). Ideally, raw bacteriological source samples should be collected quarterly to capture all four seasons.