CERTIFICATE OF ANALYSIS

REPORTED TO	Sechelt, District of PO Box 129, 2nd Floor, 5797 Cowrie Street Sechelt, BC V0N 3A0		
ATTENTION	Christine Miller	**WORK ORDER**	9060605
PO NUMBER		**RECEIVED / TEMP**	2019-06-06 15:29 / 14°C
PROJECT	WRC	**REPORTED**	2019-06-11 17:17
PROJECT INFO		**COC NUMBER**	B67803

Introduction:

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

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 make important and expensive decisions (whew) is VERY important. We know that too.

We've Got Chemistry

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

Ahead of the Curve

Through research, regulation knowledge, and instrumentation, we are your analytical centre for the technical knowledge you need, 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 bshaw@caro.ca

Authorized By:

Bryan Shaw, Ph.D., P.Chem.
Client Service Coordinator

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	Sechelt, District of	**WORK ORDER**	9060605
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Analyte	Result	RL	Units	Analyzed	Qualifier
Ground Water - EBBTIDE (9060605-01) | Matrix: Water | Sampled: 2019-06-06 08:30					
Anions					
Chloride	**17.8**	0.10	mg/L	2019-06-07	
Fluoride	< 0.10	0.10	mg/L	2019-06-07	
Nitrate (as N)	**0.571**	0.010	mg/L	2019-06-07	
Nitrite (as N)	< 0.010	0.010	mg/L	2019-06-07	
Sulfate	**4.8**	1.0	mg/L	2019-06-07	
Calculated Parameters					
Hardness, Total (as CaCO3)	**25.4**	0.500	mg/L	N/A	
Langelier Index	**-1.9**	-5.0		2019-06-11	
Solids, Total Dissolved	**66.6**	1.00	mg/L	N/A	
General Parameters					
Alkalinity, Total (as CaCO3)	**28.8**	1.0	mg/L	2019-06-07	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	1.0	mg/L	2019-06-07	
Alkalinity, Bicarbonate (as CaCO3)	**28.8**	1.0	mg/L	2019-06-07	
Alkalinity, Carbonate (as CaCO3)	< 1.0	1.0	mg/L	2019-06-07	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	1.0	mg/L	2019-06-07	
Colour, True	< 5.0	5.0	CU	2019-06-07	
Conductivity (EC)	**128**	2.0	µS/cm	2019-06-07	
Cyanide, Total	< 0.0050	0.0020	mg/L	2019-06-07	
pH	**7.10**	0.10	pH units	2019-06-07	HT2
Temperature, at pH	**23.3**		°C	2019-06-07	HT2
Turbidity	**16.7**	0.10	NTU	2019-06-07	
Total Metals					
Aluminum, total	< 0.0050	0.0050	mg/L	2019-06-07	
Antimony, total	< 0.00020	0.00020	mg/L	2019-06-07	
Arsenic, total	< 0.00050	0.00050	mg/L	2019-06-07	
Barium, total	**0.0064**	0.0050	mg/L	2019-06-07	
Boron, total	**0.0144**	0.0050	mg/L	2019-06-07	
Cadmium, total	**0.000017**	0.000010	mg/L	2019-06-07	
Calcium, total	**8.39**	0.20	mg/L	2019-06-07	
Chromium, total	**0.00059**	0.00050	mg/L	2019-06-07	
Cobalt, total	**0.00011**	0.00010	mg/L	2019-06-07	
Copper, total	**0.0144**	0.00040	mg/L	2019-06-07	
Iron, total	**0.363**	0.010	mg/L	2019-06-07	
Lead, total	**0.00040**	0.00020	mg/L	2019-06-07	
Magnesium, total	**1.07**	0.010	mg/L	2019-06-07	
Manganese, total	**0.0125**	0.00020	mg/L	2019-06-07	
Mercury, total	< 0.000010	0.000010	mg/L	2019-06-07	
Molybdenum, total	**0.00010**	0.00010	mg/L	2019-06-07	
Nickel, total	**0.00174**	0.00040	mg/L	2019-06-07	
Potassium, total	**0.61**	0.10	mg/L	2019-06-07	

TEST RESULTS

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Analyte	Result	RL	Units	Analyzed	Qualifier
Ground Water - EBBTIDE (9060605-01) | Matrix: Water | Sampled: 2019-06-06 08:30, Continued					
Total Metals, Continued					
Selenium, total	< 0.00050	0.00050	mg/L	2019-06-07	
Sodium, total	**13.9**	0.10	mg/L	2019-06-07	
Strontium, total	**0.0775**	0.0010	mg/L	2019-06-07	
Uranium, total	< 0.000020	0.000020	mg/L	2019-06-07	
Zinc, total	**0.718**	0.0040	mg/L	2019-06-07	
Microbiological Parameters					
Coliforms, Total	**6**	1	CFU/100 mL	2019-06-07	
E. coli	<1	1	CFU/100 mL	2019-06-07	

Sample Qualifiers:

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

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO	Sechelt, District of	**WORK ORDER**	9060605
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Analysis Description	Method Ref.	Technique	Location
Alkalinity in Water	SM 2320 B* (2017)	Titration with H2SO4	Kelowna
Anions in Water	SM 4110 B (2017)	Ion Chromatography	Kelowna
Coliforms, Total in Water	SM 9222 (2017)	Membrane Filtration	Sublet
Colour, True in Water	SM 2120 C (2017)	Spectrophotometry (456 nm)	Kelowna
Conductivity in Water	SM 2510 B (2017)	Conductivity Meter	Kelowna
Cyanide, SAD in Water	ASTM D7511-12	Flow Injection with In-Line UV Digestion and Amperometry	Kelowna
E. coli in Water	SM 9223 B (2017)	Enzyme Substrate Endo Agar	Sublet
Hardness in Water	SM 2340 B* (2017)	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Est)	N/A
Langelier Index in Water	SM 2330 B (2017)	Calculation	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 (2017)	Electrometry	Kelowna
Solids, Total Dissolved in Water	SM 1030 E (2017)	SM 1030 E (2011)	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 (2017)	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
<1	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
°C	Degrees Celcius
CFU/100 mL	Colony Forming Units per 100 millilitres
CU	Colour Units (referenced against a platinum cobalt standard)
mg/L	Milligrams per litre
NTU	Nephelometric Turbidity Units
pH units	pH < 7 = acidic, ph > 7 = basic
µS/cm	Microsiemens per centimetre
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

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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.

Results in **Bold** indicate values that are above CARO's method reporting limits. Any results that are above regulatory limits are highlighted **red**. Please note that results will only be highlighted red if the regulatory limits are included on the CARO report. Any Bold and/or highlighted results do not take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager:bshaw@caro.ca

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Sechelt, District of	**WORK ORDER**	9060605
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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	Qualifier
Anions, Batch B9F0533										
Blank (B9F0533-BLK1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
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 (B9F0533-BS1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Chloride	16.1	0.10	mg/L	16.0		100	90-110			
Fluoride	3.93	0.10	mg/L	4.00		98	88-108			
Nitrate (as N)	3.92	0.010	mg/L	4.00		98	90-110			
Nitrite (as N)	1.93	0.010	mg/L	2.00		97	85-115			
Sulfate	15.9	1.0	mg/L	16.0		99	90-110			
Duplicate (B9F0533-DUP1)		**Source: 9060605-01**		Prepared: 2019-06-07, Analyzed: 2019-06-07						
Chloride	18.8	0.10	mg/L		17.8			5	10	
Fluoride	< 0.10	0.10	mg/L		< 0.10				10	
Nitrate (as N)	0.528	0.010	mg/L		0.571			8	10	
Nitrite (as N)	< 0.010	0.010	mg/L		< 0.010				15	
Sulfate	4.5	1.0	mg/L		4.8				10	
Matrix Spike (B9F0533-MS1)		**Source: 9060605-01**		Prepared: 2019-06-07, Analyzed: 2019-06-07						
Chloride	32.9	0.10	mg/L	16.0	17.8	94	75-125			
Fluoride	3.94	0.10	mg/L	4.00	< 0.10	97	75-125			
Nitrate (as N)	4.51	0.010	mg/L	4.00	0.571	98	75-125			
Nitrite (as N)	1.97	0.010	mg/L	2.00	< 0.010	99	80-120			
Sulfate	20.3	1.0	mg/L	16.0	4.8	97	75-125			
General Parameters, Batch B9F0395										
Blank (B9F0395-BLK1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Colour, True	< 5.0	5.0	CU							
Blank (B9F0395-BLK2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Colour, True	< 5.0	5.0	CU							

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Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
General Parameters, Batch B9F0395, Continued										
LCS (B9F0395-BS1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Colour, True	20	5.0	CU	20.0		99	85-115			
LCS (B9F0395-BS2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Colour, True	20	5.0	CU	20.0		102	85-115			
General Parameters, Batch B9F0501										
Blank (B9F0501-BLK1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Cyanide, Total	< 0.0020	0.0020	mg/L							
Blank (B9F0501-BLK2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Cyanide, Total	< 0.0020	0.0020	mg/L							
LCS (B9F0501-BS1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Cyanide, Total	0.0217	0.0020	mg/L	0.0200		108	82-120			
LCS (B9F0501-BS2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Cyanide, Total	0.0198	0.0020	mg/L	0.0200		99	82-120			
LCS Dup (B9F0501-BSD1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Cyanide, Total	0.0210	0.0020	mg/L	0.0200		105	82-120	3	10	
LCS Dup (B9F0501-BSD2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Cyanide, Total	0.0198	0.0020	mg/L	0.0200		99	82-120	< 1	10	
General Parameters, Batch B9F0518										
Blank (B9F0518-BLK1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Turbidity	< 0.10	0.10	NTU							
Blank (B9F0518-BLK2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Turbidity	< 0.10	0.10	NTU							
LCS (B9F0518-BS1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Turbidity	38.0	0.10	NTU	40.0		95	90-110			
LCS (B9F0518-BS2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Turbidity	38.0	0.10	NTU	40.0		95	90-110			
General Parameters, Batch B9F0604										
Blank (B9F0604-BLK1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
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							
Blank (B9F0604-BLK2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
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							

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Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
General Parameters, Batch B9F0604, Continued										
Blank (B9F0604-BLK2), Continued				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Conductivity (EC)	< 2.0	2.0	µS/cm							
Blank (B9F0604-BLK3)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
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							
LCS (B9F0604-BS1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Alkalinity, Total (as CaCO3)	103	1.0	mg/L	100		103	80-120			
LCS (B9F0604-BS2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Alkalinity, Total (as CaCO3)	104	1.0	mg/L	100		104	80-120			
LCS (B9F0604-BS3)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Alkalinity, Total (as CaCO3)	115	1.0	mg/L	100		115	80-120			
LCS (B9F0604-BS4)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Conductivity (EC)	1390	2.0	µS/cm	1410		99	95-104			
LCS (B9F0604-BS5)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Conductivity (EC)	1410	2.0	µS/cm	1410		100	95-104			
LCS (B9F0604-BS6)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Conductivity (EC)	1390	2.0	µS/cm	1410		99	95-104			
Reference (B9F0604-SRM1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
pH	7.02	0.10	pH units	7.01		100	98-102			
Reference (B9F0604-SRM2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
pH	6.99	0.10	pH units	7.01		100	98-102			
Reference (B9F0604-SRM3)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
pH	6.99	0.10	pH units	7.01		100	98-102			
Total Metals, Batch B9F0511										
Blank (B9F0511-BLK1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Aluminum, total	< 0.0050	0.0050	mg/L							
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	0.000010	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							

APPENDIX 2: QUALITY CONTROL RESULTS

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Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch B9F0511, Continued										
Blank (B9F0511-BLK1), Continued				Prepared: 2019-06-07, Analyzed: 2019-06-07						
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	< 0.000020	0.000020	mg/L							
Zinc, total	< 0.0040	0.0040	mg/L							
Blank (B9F0511-BLK2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Aluminum, total	< 0.0050	0.0050	mg/L							
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	0.000010	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	< 0.000020	0.000020	mg/L							
Zinc, total	< 0.0040	0.0040	mg/L							
Blank (B9F0511-BLK3)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Aluminum, total	< 0.0050	0.0050	mg/L							
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	0.000010	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	< 0.000020	0.000020	mg/L							
Zinc, total	< 0.0040	0.0040	mg/L							

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO Sechelt, District of
PROJECT WRC

WORK ORDER 9060605
REPORTED 2019-06-11 17:17

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch B9F0511, Continued										
LCS (B9F0511-BS1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Aluminum, total	0.0218	0.0050	mg/L	0.0200		109	80-120			
Antimony, total	0.0211	0.00020	mg/L	0.0200		105	80-120			
Arsenic, total	0.0200	0.00050	mg/L	0.0200		100	80-120			
Barium, total	0.0207	0.0050	mg/L	0.0200		103	80-120			
Boron, total	0.0230	0.0050	mg/L	0.0200		115	80-120			
Cadmium, total	0.0205	0.000010	mg/L	0.0200		102	80-120			
Calcium, total	2.15	0.20	mg/L	2.00		108	80-120			
Chromium, total	0.0200	0.00050	mg/L	0.0200		100	80-120			
Cobalt, total	0.0206	0.00010	mg/L	0.0200		103	80-120			
Copper, total	0.0213	0.00040	mg/L	0.0200		107	80-120			
Iron, total	1.92	0.010	mg/L	2.00		96	80-120			
Lead, total	0.0216	0.00020	mg/L	0.0200		108	80-120			
Magnesium, total	1.95	0.010	mg/L	2.00		98	80-120			
Manganese, total	0.0209	0.00020	mg/L	0.0200		104	80-120			
Molybdenum, total	0.0197	0.00010	mg/L	0.0200		98	80-120			
Nickel, total	0.0206	0.00040	mg/L	0.0200		103	80-120			
Potassium, total	1.84	0.10	mg/L	2.00		92	80-120			
Selenium, total	0.0213	0.00050	mg/L	0.0200		107	80-120			
Sodium, total	1.91	0.10	mg/L	2.00		96	80-120			
Strontium, total	0.0204	0.0010	mg/L	0.0200		102	80-120			
Uranium, total	0.0228	0.000020	mg/L	0.0200		114	80-120			
Zinc, total	0.0225	0.0040	mg/L	0.0200		113	80-120			
Duplicate (B9F0511-DUP1)		**Source: 9060605-01**		Prepared: 2019-06-07, Analyzed: 2019-06-07						
Aluminum, total	< 0.0050	0.0050	mg/L		< 0.0050				20	
Antimony, total	< 0.00020	0.00020	mg/L		< 0.00020				20	
Arsenic, total	< 0.00050	0.00050	mg/L		< 0.00050				15	
Barium, total	0.0061	0.0050	mg/L		0.0064				9	
Boron, total	0.0130	0.0050	mg/L		0.0144				20	
Cadmium, total	0.000020	0.000010	mg/L		0.000017				20	
Calcium, total	8.49	0.20	mg/L		8.39			1	12	
Chromium, total	0.00073	0.00050	mg/L		0.00059				12	
Cobalt, total	0.00011	0.00010	mg/L		0.00011				13	
Copper, total	0.0152	0.00040	mg/L		0.0144			5	20	
Iron, total	0.370	0.010	mg/L		0.363			2	18	
Lead, total	0.00063	0.00020	mg/L		0.00040				20	
Magnesium, total	1.06	0.010	mg/L		1.07			< 1	10	
Manganese, total	0.0125	0.00020	mg/L		0.0125			< 1	13	
Molybdenum, total	0.00011	0.00010	mg/L		0.00010				20	
Nickel, total	0.00169	0.00040	mg/L		0.00174				20	
Potassium, total	0.54	0.10	mg/L		0.61			11	13	
Selenium, total	< 0.00050	0.00050	mg/L		< 0.00050				20	
Sodium, total	14.1	0.10	mg/L		13.9			1	10	
Strontium, total	0.0781	0.0010	mg/L		0.0775			< 1	9	
Uranium, total	< 0.000020	0.000020	mg/L		< 0.000020				14	
Zinc, total	0.719	0.0040	mg/L		0.718			< 1	8	
Reference (B9F0511-SRM1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Aluminum, total	0.298	0.0050	mg/L	0.303		98	82-114			
Antimony, total	0.0525	0.00020	mg/L	0.0511		103	88-115			
Arsenic, total	0.119	0.00050	mg/L	0.118		101	88-111			
Barium, total	0.821	0.0050	mg/L	0.823		100	83-110			
Boron, total	3.47	0.0050	mg/L	3.45		101	80-118			
Cadmium, total	0.0505	0.000010	mg/L	0.0495		102	90-110			
Calcium, total	10.4	0.20	mg/L	11.6		90	85-113			
Chromium, total	0.250	0.00050	mg/L	0.250		100	88-111			

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Sechelt, District of	**WORK ORDER**	9060605
PROJECT	WRC	**REPORTED**	2019-06-11 17:17

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch B9F0511, Continued										
Reference (B9F0511-SRM1), Continued				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Cobalt, total	0.0398	0.00010	mg/L	0.0377		105	90-114			
Copper, total	0.517	0.00040	mg/L	0.486		106	90-117			
Iron, total	0.480	0.010	mg/L	0.488		98	90-116			
Lead, total	0.213	0.00020	mg/L	0.204		105	90-110			
Magnesium, total	3.69	0.010	mg/L	3.79		97	88-116			
Manganese, total	0.109	0.00020	mg/L	0.109		100	88-108			
Molybdenum, total	0.200	0.00010	mg/L	0.198		101	88-110			
Nickel, total	0.254	0.00040	mg/L	0.249		102	90-112			
Potassium, total	7.08	0.10	mg/L	7.21		98	87-116			
Selenium, total	0.124	0.00050	mg/L	0.121		102	90-122			
Sodium, total	7.39	0.10	mg/L	7.54		98	86-118			
Strontium, total	0.383	0.0010	mg/L	0.375		102	86-110			
Uranium, total	0.0317	0.000020	mg/L	0.0306		104	88-112			
Zinc, total	2.50	0.0040	mg/L	2.49		100	90-113			
Total Metals, Batch B9F0550										
Blank (B9F0550-BLK1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Mercury, total	< 0.000010	0.000010	mg/L							
Blank (B9F0550-BLK2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Mercury, total	< 0.000010	0.000010	mg/L							
Reference (B9F0550-SRM1)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Mercury, total	0.00434	0.000010	mg/L	0.00489		89	80-120			
Reference (B9F0550-SRM2)				Prepared: 2019-06-07, Analyzed: 2019-06-07						
Mercury, total	0.00423	0.000010	mg/L	0.00489		86	80-120			