CERTIFICATE OF ANALYSIS

REPORTED TO	Yukon Government - Department of Education 1000 Lewes Blvd. Whitehorse, YT Y1A 6N2		
ATTENTION	Miles Hume	**WORK ORDER**	8092060
PO NUMBER		**RECEIVED / TEMP**	2018-09-21 12:20 / 3°C
PROJECT	Department of Education 2018 Water Testing Program	**REPORTED**	2018-10-01 18:11
PROJECT INFO	Contract No. C00044694 (J.H.E.S)	**COC NUMBER**	B71371

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 machan@caro.ca

Authorized By:

Maggie Chan, DipT
Client Service Representative

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	Yukon Government - Department of Education	**WORK ORDER**	8092060
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Analyte	Result	RL	Units	Analyzed	Qualifier
CF-2A (8092060-01) | Matrix: Water | Sampled: 2018-09-20 08:45					
Total Metals					
Lead, total	**32.3**	0.20	µg/L	2018-09-28	
CF-3A (8092060-02) | Matrix: Water | Sampled: 2018-09-20 08:47					
Total Metals					
Lead, total	**157**	0.20	µg/L	2018-09-28	
CF-3B (8092060-03) | Matrix: Water | Sampled: 2018-09-20 08:47					
Total Metals					
Lead, total	**14.7**	0.20	µg/L	2018-09-28	
HF-2 (8092060-04) | Matrix: Water | Sampled: 2018-09-20 08:50					
Total Metals					
Lead, total	**1.38**	0.20	µg/L	2018-09-28	
CF-15 (8092060-05) | Matrix: Water | Sampled: 2018-09-20 08:51					
Total Metals					
Lead, total	**0.59**	0.20	µg/L	2018-09-28	
CF-26 (8092060-06) | Matrix: Water | Sampled: 2018-09-20 08:55					
Total Metals					
Lead, total	**0.70**	0.20	µg/L	2018-09-28	
Main Water (8092060-07) | Matrix: Water | Sampled: 2018-09-20 08:00					
Anions					
Chloride	**2.43**	0.10	mg/L	2018-09-27	
Fluoride	**0.17**	0.10	mg/L	2018-09-27	
Nitrate (as N)	**0.052**	0.010	mg/L	2018-09-27	HT1
Nitrite (as N)	< 0.010	0.010	mg/L	2018-09-27	HT1
Sulfate	**34.6**	1.0	mg/L	2018-09-27	
Calculated Parameters					
Hardness, Total (as CaCO3)	**127**	0.500	mg/L	N/A	
Solids, Total Dissolved	**151**	10	mg/L	2018-10-01	
General Parameters					

TEST RESULTS

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Analyte	Result	RL	Units	Analyzed	Qualifier
Main Water (8092060-07) | Matrix: Water | Sampled: 2018-09-20 08:00, Continued					
General Parameters, Continued					
Alkalinity, Total (as CaCO3)	**106**	1.0	mg/L	2018-09-26	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	1.0	mg/L	2018-09-26	
Alkalinity, Bicarbonate (as CaCO3)	**106**	1.0	mg/L	2018-09-26	
Alkalinity, Carbonate (as CaCO3)	< 1.0	1.0	mg/L	2018-09-26	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	1.0	mg/L	2018-09-26	
Colour, True	< 5.0	5.0	CU	2018-09-27	HT1
Conductivity (EC)	**271**	2.0	µS/cm	2018-09-26	
pH	**7.86**	0.10	pH units	2018-09-26	HT2
Turbidity	**0.14**	0.10	NTU	2018-09-26	HT1
Total Metals					
Aluminum, total	**7.6**	5.0	µg/L	2018-10-01	
Antimony, total	< 0.20	0.20	µg/L	2018-10-01	
Arsenic, total	**4.37**	0.50	µg/L	2018-10-01	
Barium, total	**34.8**	5.0	µg/L	2018-10-01	
Boron, total	**41.4**	5.0	µg/L	2018-10-01	
Cadmium, total	< 0.010	0.010	µg/L	2018-10-01	
Calcium, total	**23900**	200	µg/L	2018-10-01	
Chromium, total	< 0.50	0.50	µg/L	2018-10-01	
Copper, total	**22.7**	0.40	µg/L	2018-10-01	
Iron, total	< 10	10	µg/L	2018-10-01	
Lead, total	**0.53**	0.20	µg/L	2018-10-01	
Magnesium, total	**16300**	10	µg/L	2018-10-01	
Manganese, total	**2.64**	0.20	µg/L	2018-10-01	
Mercury, total	< 0.010	0.010	µg/L	2018-09-26	
Potassium, total	**1690**	100	µg/L	2018-10-01	
Selenium, total	< 0.50	0.50	µg/L	2018-10-01	
Sodium, total	**7190**	100	µg/L	2018-10-01	
Uranium, total	**2.00**	0.020	µg/L	2018-10-01	
Zinc, total	**4.1**	4.0	µg/L	2018-10-01	
CF-5 Tier 2 (8092060-08) | Matrix: Water | Sampled: 2018-09-20 08:55					
Total Metals					
Lead, total	**0.61**	0.20	µg/L	2018-09-28	

Sample Qualifiers:

HT1	The sample was prepared and/or analyzed past the recommended holding time.
HT2	The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO	Yukon Government - Department of Education	**WORK ORDER**	8092060
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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
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
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
µg/L	Micrograms per litre
µS/cm	Microsiemens per centimetre
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.

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Yukon Government - Department of Education	**WORK ORDER**	8092060
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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 B8I1895										
Blank (B8I1895-BLK1)				Prepared: 2018-09-27, Analyzed: 2018-09-27						
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							
Blank (B8I1895-BLK2)				Prepared: 2018-09-27, Analyzed: 2018-09-27						
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							
Blank (B8I1895-BLK3)				Prepared: 2018-09-28, Analyzed: 2018-09-28						
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							
Blank (B8I1895-BLK4)				Prepared: 2018-09-28, Analyzed: 2018-09-28						
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 (B8I1895-BS1)				Prepared: 2018-09-27, Analyzed: 2018-09-27						
Chloride	15.9	0.10	mg/L	16.0		100	90-110			
Fluoride	4.06	0.10	mg/L	4.00		102	88-108			
Nitrate (as N)	4.15	0.010	mg/L	4.00		104	93-108			
Nitrite (as N)	1.93	0.010	mg/L	2.00		96	85-114			
Sulfate	15.9	1.0	mg/L	16.0		99	91-109			
LCS (B8I1895-BS2)				Prepared: 2018-09-27, Analyzed: 2018-09-27						
Chloride	16.1	0.10	mg/L	16.0		100	90-110			

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Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Anions, Batch B8I1895, Continued										
LCS (B8I1895-BS2), Continued				Prepared: 2018-09-27, Analyzed: 2018-09-27						
Fluoride	3.90	0.10	mg/L	4.00		97	88-108			
Nitrate (as N)	4.12	0.010	mg/L	4.00		103	93-108			
Nitrite (as N)	1.96	0.010	mg/L	2.00		98	85-114			
Sulfate	15.7	1.0	mg/L	16.0		98	91-109			
LCS (B8I1895-BS3)				Prepared: 2018-09-28, Analyzed: 2018-09-28						
Chloride	15.6	0.10	mg/L	16.0		98	90-110			
Fluoride	4.10	0.10	mg/L	4.00		102	88-108			
Nitrate (as N)	3.95	0.010	mg/L	4.00		99	93-108			
Nitrite (as N)	1.95	0.010	mg/L	2.00		97	85-114			
Sulfate	15.7	1.0	mg/L	16.0		98	91-109			
LCS (B8I1895-BS4)				Prepared: 2018-09-28, Analyzed: 2018-09-28						
Chloride	16.1	0.10	mg/L	16.0		101	90-110			
Fluoride	4.14	0.10	mg/L	4.00		103	88-108			
Nitrate (as N)	3.94	0.010	mg/L	4.00		99	93-108			
Nitrite (as N)	1.95	0.010	mg/L	2.00		97	85-114			
Sulfate	15.7	1.0	mg/L	16.0		98	91-109			
General Parameters, Batch B8I1913										
Blank (B8I1913-BLK1)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
Turbidity	< 0.10	0.10	NTU							
Blank (B8I1913-BLK2)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
Turbidity	< 0.10	0.10	NTU							
LCS (B8I1913-BS1)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
Turbidity	39.9	0.10	NTU	40.0		100	90-110			
LCS (B8I1913-BS2)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
Turbidity	39.7	0.10	NTU	40.0		99	90-110			
General Parameters, Batch B8I1962										
Blank (B8I1962-BLK1)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
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 (B8I1962-BS1)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
Alkalinity, Total (as CaCO3)	100	1.0	mg/L	100		100	92-106			
LCS (B8I1962-BS2)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
Conductivity (EC)	1390	2.0	µS/cm	1410		98	95-104			
Duplicate (B8I1962-DUP1)		**Source: 8092060-07**		Prepared: 2018-09-26, Analyzed: 2018-09-26						
Alkalinity, Total (as CaCO3)	111	1.0	mg/L		106			5	10	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	1.0	mg/L		< 1.0				10	
Alkalinity, Bicarbonate (as CaCO3)	111	1.0	mg/L		106			5	10	
Alkalinity, Carbonate (as CaCO3)	< 1.0	1.0	mg/L		< 1.0				10	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	1.0	mg/L		< 1.0				10	
Conductivity (EC)	271	2.0	µS/cm		271			< 1	5	

APPENDIX 2: QUALITY CONTROL RESULTS

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Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
General Parameters, Batch B8I1962, Continued										
Duplicate (B8I1962-DUP1), Continued		**Source: 8092060-07**		Prepared: 2018-09-26, Analyzed: 2018-09-26						
pH	7.78	0.10	pH units		7.86			1	4	
Reference (B8I1962-SRM1)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
pH	7.01	0.10	pH units	7.00		100	90-110			
General Parameters, Batch B8I1984										
Blank (B8I1984-BLK1)				Prepared: 2018-09-27, Analyzed: 2018-09-27						
Colour, True	< 5.0	5.0	CU							
LCS (B8I1984-BS1)				Prepared: 2018-09-27, Analyzed: 2018-09-27						
Colour, True	11	5.0	CU	10.0		107	85-115			
Total Metals, Batch B8I1848										
Blank (B8I1848-BLK1)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
Mercury, total	< 0.010	0.010	µg/L							
Blank (B8I1848-BLK2)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
Mercury, total	< 0.010	0.010	µg/L							
Reference (B8I1848-SRM1)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
Mercury, total	4.41	0.010	µg/L	4.89		90	80-120			
Reference (B8I1848-SRM2)				Prepared: 2018-09-26, Analyzed: 2018-09-26						
Mercury, total	4.03	0.010	µg/L	4.89		82	80-120			
Total Metals, Batch B8I1929										
Blank (B8I1929-BLK1)				Prepared: 2018-09-26, Analyzed: 2018-09-28						
Lead, total	< 0.20	0.20	µg/L							
Blank (B8I1929-BLK2)				Prepared: 2018-09-26, Analyzed: 2018-09-28						
Lead, total	< 0.20	0.20	µg/L							
Blank (B8I1929-BLK3)				Prepared: 2018-09-26, Analyzed: 2018-09-28						
Lead, total	< 0.20	0.20	µg/L							
Blank (B8I1929-BLK4)				Prepared: 2018-09-26, Analyzed: 2018-09-28						
Lead, total	< 0.20	0.20	µg/L							
LCS (B8I1929-BS1)				Prepared: 2018-09-26, Analyzed: 2018-09-28						
Lead, total	20.6	0.20	µg/L	20.0		103	80-120			
LCS (B8I1929-BS2)				Prepared: 2018-09-26, Analyzed: 2018-09-28						
Lead, total	20.9	0.20	µg/L	20.0		104	80-120			
Duplicate (B8I1929-DUP1)		**Source: 8092060-01**		Prepared: 2018-09-26, Analyzed: 2018-09-28						
Lead, total	32.7	0.20	µg/L		32.3			1	20	
Reference (B8I1929-SRM1)				Prepared: 2018-09-26, Analyzed: 2018-09-28						
Lead, total	202	0.20	µg/L	204		99	90-110			
Reference (B8I1929-SRM2)				Prepared: 2018-09-26, Analyzed: 2018-09-28						
Lead, total	215	0.20	µg/L	204		105	90-110			

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Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch B8I1930										
Blank (B8I1930-BLK1)				Prepared: 2018-09-26, Analyzed: 2018-10-01						
Aluminum, total	< 5.0	5.0	µg/L							
Antimony, total	< 0.20	0.20	µg/L							
Arsenic, total	< 0.50	0.50	µg/L							
Barium, total	< 5.0	5.0	µg/L							
Boron, total	< 5.0	5.0	µg/L							
Cadmium, total	< 0.010	0.010	µg/L							
Calcium, total	< 200	200	µg/L							
Chromium, total	< 0.50	0.50	µg/L							
Copper, total	< 0.40	0.40	µg/L							
Iron, total	< 10	10	µg/L							
Lead, total	< 0.20	0.20	µg/L							
Magnesium, total	< 10	10	µg/L							
Manganese, total	< 0.20	0.20	µg/L							
Potassium, total	< 100	100	µg/L							
Selenium, total	< 0.50	0.50	µg/L							
Sodium, total	< 100	100	µg/L							
Uranium, total	< 0.020	0.020	µg/L							
Zinc, total	< 4.0	4.0	µg/L							
Blank (B8I1930-BLK2)				Prepared: 2018-09-26, Analyzed: 2018-10-01						
Aluminum, total	< 5.0	5.0	µg/L							
Antimony, total	< 0.20	0.20	µg/L							
Arsenic, total	< 0.50	0.50	µg/L							
Barium, total	< 5.0	5.0	µg/L							
Boron, total	< 5.0	5.0	µg/L							
Cadmium, total	< 0.010	0.010	µg/L							
Calcium, total	< 200	200	µg/L							
Chromium, total	< 0.50	0.50	µg/L							
Copper, total	< 0.40	0.40	µg/L							
Iron, total	< 10	10	µg/L							
Lead, total	< 0.20	0.20	µg/L							
Magnesium, total	< 10	10	µg/L							
Manganese, total	< 0.20	0.20	µg/L							
Potassium, total	< 100	100	µg/L							
Selenium, total	< 0.50	0.50	µg/L							
Sodium, total	< 100	100	µg/L							
Uranium, total	< 0.020	0.020	µg/L							
Zinc, total	< 4.0	4.0	µg/L							
LCS (B8I1930-BS1)				Prepared: 2018-09-26, Analyzed: 2018-10-01						
Aluminum, total	22.0	5.0	µg/L	20.0		110	80-120			
Antimony, total	20.6	0.20	µg/L	20.0		103	80-120			
Arsenic, total	21.7	0.50	µg/L	20.0		108	80-120			
Barium, total	20.9	5.0	µg/L	20.0		105	80-120			
Boron, total	18.0	5.0	µg/L	20.0		90	80-120			
Cadmium, total	21.4	0.010	µg/L	20.0		107	80-120			
Calcium, total	2040	200	µg/L	2000		102	80-120			
Chromium, total	21.2	0.50	µg/L	20.0		106	80-120			
Copper, total	22.5	0.40	µg/L	20.0		113	80-120			
Iron, total	2060	10	µg/L	2000		103	80-120			
Lead, total	20.9	0.20	µg/L	20.0		105	80-120			
Magnesium, total	2130	10	µg/L	2000		107	80-120			
Manganese, total	20.6	0.20	µg/L	20.0		103	80-120			
Potassium, total	2100	100	µg/L	2000		105	80-120			
Selenium, total	21.8	0.50	µg/L	20.0		109	80-120			
Sodium, total	2120	100	µg/L	2000		106	80-120			

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Yukon Government - Department of Education	**WORK ORDER**	8092060
PROJECT	Department of Education 2018 Water Testing Program	**REPORTED**	2018-10-01 18:11

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch B8I1930, Continued										
LCS (B8I1930-BS1), Continued				Prepared: 2018-09-26, Analyzed: 2018-10-01						
Uranium, total	20.2	0.020	µg/L	20.0		101	80-120			
Zinc, total	21.0	4.0	µg/L	20.0		105	80-120			
LCS (B8I1930-BS2)				Prepared: 2018-09-26, Analyzed: 2018-10-01						
Aluminum, total	22.1	5.0	µg/L	20.0		111	80-120			
Antimony, total	21.1	0.20	µg/L	20.0		106	80-120			
Arsenic, total	21.8	0.50	µg/L	20.0		109	80-120			
Barium, total	21.2	5.0	µg/L	20.0		106	80-120			
Boron, total	20.7	5.0	µg/L	20.0		103	80-120			
Cadmium, total	21.4	0.010	µg/L	20.0		107	80-120			
Calcium, total	2060	200	µg/L	2000		103	80-120			
Chromium, total	21.3	0.50	µg/L	20.0		107	80-120			
Copper, total	22.5	0.40	µg/L	20.0		112	80-120			
Iron, total	2060	10	µg/L	2000		103	80-120			
Lead, total	21.4	0.20	µg/L	20.0		107	80-120			
Magnesium, total	2130	10	µg/L	2000		106	80-120			
Manganese, total	20.7	0.20	µg/L	20.0		103	80-120			
Potassium, total	2090	100	µg/L	2000		105	80-120			
Selenium, total	22.2	0.50	µg/L	20.0		111	80-120			
Sodium, total	2110	100	µg/L	2000		105	80-120			
Uranium, total	20.8	0.020	µg/L	20.0		104	80-120			
Zinc, total	23.7	4.0	µg/L	20.0		119	80-120			
Reference (B8I1930-SRM1)				Prepared: 2018-09-26, Analyzed: 2018-10-01						
Aluminum, total	293	5.0	µg/L	303		97	82-114			
Antimony, total	50.8	0.20	µg/L	51.1		99	88-115			
Arsenic, total	126	0.50	µg/L	118		106	88-111			
Barium, total	801	5.0	µg/L	823		97	83-110			
Boron, total	3230	5.0	µg/L	3450		93	80-118			
Cadmium, total	50.3	0.010	µg/L	49.5		102	90-110			
Calcium, total	11200	200	µg/L	11600		96	85-113			
Chromium, total	262	0.50	µg/L	250		105	88-111			
Copper, total	523	0.40	µg/L	486		108	90-117			
Iron, total	502	10	µg/L	488		103	90-116			
Lead, total	210	0.20	µg/L	204		103	90-110			
Magnesium, total	3890	10	µg/L	3790		103	88-116			
Manganese, total	109	0.20	µg/L	109		100	88-108			
Potassium, total	7220	100	µg/L	7210		100	87-116			
Selenium, total	133	0.50	µg/L	121		110	90-122			
Sodium, total	7720	100	µg/L	7540		102	86-118			
Uranium, total	30.6	0.020	µg/L	30.6		100	88-112			
Zinc, total	2620	4.0	µg/L	2490		105	90-113			