CERTIFICATE OF ANALYSIS

REPORTED TO	Terry Flamond (Silverton, Village of) 421 Lake Ave Silverton, BC V0G 1S0	**ONLINE ORDER#**	508211
SITE INFO	Online Order#508211	**RECEIVED / TEMP**	2025-05-14 09:45 / 10.4°C
CARO WO#	25E0520	**REPORTED**	2025-05-22

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/IEC 17025:2017 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.

Report Highlights:

The results in this report apply to the samples analyzed in accordance with your submission. All parameters meet the Guidelines for Canadian Drinking Water Quality (Jan 2020).

For more information, please visit http://www.caro.ca/reports/

By engaging our services, you are agreeing to CARO Analytical Service's Standard Terms and Conditions outlined here: https://www.caro.ca/terms-conditions

Laboratory Recommendations:

For assistance reading your report, please visit
https://www.caro.ca/wp-content/uploads/2020/07/How-to-read-your-report-1.pdf
For information about bacteria in water results, please visit
https://www.caro.ca/you-need-to-know-about-bacteria-in-water-analytical-report/
If you have any additional questions or concerns, please contact us at TeamCaro@caro.ca.

Authorized By:

Team CARO
Client Service Representative

TEST RESULTS

REPORTED TO Terry Flamond (Silverton, Village of)
CARO WO# 25E0520 **REPORTED** 2025-05-22

Parameter	Result	Guideline	RL	Units	Analyzed	Note
Sample Name: Well #2 Raw Water | Matrix: Water | Sampled: 2025-05-13 12:30						
Anions						
Chloride	**0.46**	AO ≤ 250	0.10	mg/L	2025-05-15	
Fluoride	< 0.10	MAC = 1.5	0.10	mg/L	2025-05-15	
Nitrate (as N)	**0.286**	MAC = 10	0.010	mg/L	2025-05-15	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	2025-05-15	
Sulfate	**12.7**	AO ≤ 500	1.0	mg/L	2025-05-15	
Calculated Parameters						
Hardness, Total (as CaCO3)	**79.6**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.7**	N/A	-5.0		2025-05-21	CT6
Nitrogen, Organic	< 0.0500	N/A	0.0500	mg/L	N/A	
Solids, Total Dissolved	**87.7**	AO ≤ 500	1.00	mg/L	N/A	
General Parameters						
Alkalinity, Total (as CaCO3)	**66.4**	N/A	1.0	mg/L	2025-05-14	
Ammonia, Total (as N)	< 0.050	None Required	0.050	mg/L	2025-05-14	
Carbon, Total Organic	**0.66**	N/A	0.50	mg/L	2025-05-16	
Colour, True	< 5.0	AO ≤ 15	5.0	CU	2025-05-15	
Conductivity (EC)	**175**	N/A	2.0	µS/cm	2025-05-14	
Cyanide, Total	< 0.0020	MAC = 0.2	0.0020	mg/L	2025-05-14	
Nitrogen, Total Kjeldahl	< 0.050	N/A	0.050	mg/L	2025-05-17	
pH	**7.61**	7.0-10.5	0.10	pH units	2025-05-14	HT2
Phosphorus, Total (as P)	**0.0065**	N/A	0.0050	mg/L	2025-05-15	
Turbidity	**0.13**	OG < 1	0.10	NTU	2025-05-17	HT1
UV Transmittance @ 254 nm - Unfiltered	**99.5**	N/A	0.10	% T	2025-05-14	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2025-05-14	
Background Colonies	< 1	N/A	1	CFU/100 mL	2025-05-14	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2025-05-14	
Total Metals						
Aluminum, total	< 0.0050	OG < 0.1	0.0050	mg/L	2025-05-16	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2025-05-16	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2025-05-16	
Barium, total	**0.0166**	MAC = 2	0.0050	mg/L	2025-05-16	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2025-05-16	
Cadmium, total	**0.000054**	MAC = 0.007	0.000010	mg/L	2025-05-16	
Calcium, total	**26.7**	None Required	0.20	mg/L	2025-05-16	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2025-05-16	
Copper, total	**0.00878**	MAC = 2	0.00040	mg/L	2025-05-16	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2025-05-16	
Lead, total	**0.00076**	MAC = 0.005	0.00020	mg/L	2025-05-16	
Magnesium, total	**3.10**	None Required	0.010	mg/L	2025-05-16	
Manganese, total	< 0.00020	MAC = 0.12	0.00020	mg/L	2025-05-16	

TEST RESULTS

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Parameter	Result	Guideline	RL	Units	Analyzed	Note
Sample Name: Well #2 Raw Water | Matrix: Water | Sampled: 2025-05-13 12:30, Continued						
Total Metals, Continued						
Mercury, total	< 0.000010	MAC = 0.001	0.000010	mg/L	2025-05-15	
Potassium, total	**1.36**	N/A	0.10	mg/L	2025-05-16	
Selenium, total	**0.00129**	MAC = 0.05	0.00050	mg/L	2025-05-16	
Sodium, total	**1.64**	AO ≤ 200	0.10	mg/L	2025-05-16	
Strontium, total	**0.164**	MAC = 7	0.0010	mg/L	2025-05-16	
Uranium, total	**0.00115**	MAC = 0.02	0.000020	mg/L	2025-05-16	
Zinc, total	**0.0143**	AO ≤ 5	0.0040	mg/L	2025-05-16	

Note Descriptions:

CT6 Results were based on lab temperature & lab pH.

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

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Analysis Description	Method Ref.	Technique	Accredited	Location
Alkalinity in Water	SM 2320 B* (2021)	Titration with H2SO4	✓	Kelowna
Ammonia, Total in Water	SM 4500-NH3 G* (2021)	Automated Colorimetry (Phenate)	✓	Kelowna
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Kelowna
Carbon, Total Organic in Water	SM 5310 B (2022)	Combustion, Infrared CO2 Detection	✓	Kelowna
Coliforms, Total in Water	SM 9222* (2015)	Membrane Filtration / Chromocult Agar	✓	Kelowna
Colour, True in Water	SM 2120 C (2021)	Spectrophotometry (456 nm)	✓	Kelowna
Conductivity in Water	SM 2510 B (2021)	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 9222* (2015)	Membrane Filtration / Chromocult Agar	✓	Kelowna
Hardness in Water	SM 2340 B* (2021)	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Est)	✓	N/A
Langelier Index in Water	SM 2330 B (2021)	Calculation		N/A
Mercury, total in Water	EPA 245.7*	BrCl2 Oxidation / Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)	✓	Richmond
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
pH in Water	SM 4500-H+ B (2021)	Electrometry	✓	Kelowna
Phosphorus, Total in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2021)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Solids, Total Dissolved in Water	SM 1030 E (2021)	SM 1030 E		N/A
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond
Transmittance at 254 nm - Unfiltered in Water	SM 5910 B* (2021)	Ultraviolet Absorption	✓	Kelowna
Turbidity in Water	SM 2130 B (2020)	Nephelometry	✓	Kelowna

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

Glossary:

RL	Reporting Limit (default)
% T	Percent Transmittance
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
°C	Degrees Celcius
AO	Aesthetic Objective
CFU/100 mL	Colony Forming Units per 100 millilitres
CU	Colour Units (referenced against a platinum cobalt standard)
MAC	Maximum Acceptable Concentration (health based)
mg/L	Milligrams per litre
NTU	Nephelometric Turbidity Units
OG	Operational Guideline (treated water)
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:

For assistance reading your report, please visit
https://www.caro.ca/wp-content/uploads/2020/07/How-to-read-your-report-1.pdf

For information about bacteria in water results, please visit
https://www.caro.ca/you-need-to-know-about-bacteria-in-water-analytical-report/

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APPENDIX 2: QUALITY CONTROL RESULTS

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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 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	MRL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Notes
Anions, Batch B5E3269										
Blank (B5E3269-BLK1)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
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 (B5E3269-BS1)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Chloride	15.9	0.10	mg/L	16.0		100	90-110			
Fluoride	4.21	0.10	mg/L	4.00		105	88-108			
Nitrate (as N)	4.08	0.010	mg/L	4.00		102	90-110			
Nitrite (as N)	1.94	0.010	mg/L	2.00		97	85-115			
Sulfate	15.8	1.0	mg/L	16.0		99	90-110			
General Parameters, Batch B5E3037										
Blank (B5E3037-BLK1)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Carbon, Total Organic	< 0.50	0.50	mg/L							
Blank (B5E3037-BLK2)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Carbon, Total Organic	< 0.50	0.50	mg/L							
Blank (B5E3037-BLK3)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Carbon, Total Organic	< 0.50	0.50	mg/L							
Blank (B5E3037-BLK4)				Prepared: 2025-05-16, Analyzed: 2025-05-16						
Carbon, Total Organic	< 0.50	0.50	mg/L							
LCS (B5E3037-BS1)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Carbon, Total Organic	9.46	0.50	mg/L	10.0		95	78-116			
LCS (B5E3037-BS2)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Carbon, Total Organic	9.68	0.50	mg/L	10.0		97	78-116			
LCS (B5E3037-BS3)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Carbon, Total Organic	9.94	0.50	mg/L	10.0		99	78-116			

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Analyte	Result	MRL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Notes
General Parameters, Batch B5E3037, Continued										
LCS (B5E3037-BS4)				Prepared: 2025-05-16, Analyzed: 2025-05-16						
Carbon, Total Organic	10.4	0.50	mg/L	10.0		104	78-116			
General Parameters, Batch B5E3109										
Blank (B5E3109-BLK1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Cyanide, Total	< 0.0020	0.0020	mg/L							
Blank (B5E3109-BLK2)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Cyanide, Total	< 0.0020	0.0020	mg/L							
Blank (B5E3109-BLK3)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Cyanide, Total	< 0.0020	0.0020	mg/L							
LCS (B5E3109-BS1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Cyanide, Total	0.0177	0.0020	mg/L	0.0200		88	82-120			
LCS (B5E3109-BS2)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Cyanide, Total	0.0182	0.0020	mg/L	0.0200		91	82-120			
LCS (B5E3109-BS3)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Cyanide, Total	0.0212	0.0020	mg/L	0.0200		106	82-120			
LCS Dup (B5E3109-BSD1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Cyanide, Total	0.0181	0.0020	mg/L	0.0200		90	82-120	2	10	
LCS Dup (B5E3109-BSD2)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Cyanide, Total	0.0175	0.0020	mg/L	0.0200		87	82-120	4	10	
LCS Dup (B5E3109-BSD3)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Cyanide, Total	0.0217	0.0020	mg/L	0.0200		108	82-120	2	10	
General Parameters, Batch B5E3179										
Blank (B5E3179-BLK1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
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							
Temperature, at pH	22.2		°C							
LCS (B5E3179-BS1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Alkalinity, Total (as CaCO3)	91.2	1.0	mg/L	100		91	80-120			
LCS (B5E3179-BS2)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Conductivity (EC)	1430	2.0	µS/cm	1410		101	95-105			
Reference (B5E3179-SRM1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
pH	7.05	0.10	pH units	7.01		101	98-102			
General Parameters, Batch B5E3202										
Blank (B5E3202-BLK1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Ammonia, Total (as N)	< 0.050	0.050	mg/L							

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Analyte	Result	MRL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Notes
General Parameters, Batch B5E3202, Continued										
LCS (B5E3202-BS1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Ammonia, Total (as N)	0.990	0.050	mg/L	1.00		99	85-115			
General Parameters, Batch B5E3228										
Blank (B5E3228-BLK1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
UV Transmittance @ 254 nm - Unfiltered	< 0.10	0.10	% T							
LCS (B5E3228-BS1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
UV Transmittance @ 254 nm - Unfiltered	42.9	0.10	% T	43.3		99	95-105			
General Parameters, Batch B5E3237										
Blank (B5E3237-BLK1)				Prepared: 2025-05-14, Analyzed: 2025-05-15						
Phosphorus, Total (as P)	< 0.0050	0.0050	mg/L							
Blank (B5E3237-BLK2)				Prepared: 2025-05-14, Analyzed: 2025-05-15						
Phosphorus, Total (as P)	< 0.0050	0.0050	mg/L							
LCS (B5E3237-BS1)				Prepared: 2025-05-14, Analyzed: 2025-05-15						
Phosphorus, Total (as P)	0.110	0.0050	mg/L	0.100		110	85-115			
LCS (B5E3237-BS2)				Prepared: 2025-05-14, Analyzed: 2025-05-15						
Phosphorus, Total (as P)	0.113	0.0050	mg/L	0.100		113	85-115			
General Parameters, Batch B5E3380										
Blank (B5E3380-BLK1)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Colour, True	< 5.0	5.0	CU							
Blank (B5E3380-BLK2)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Colour, True	< 5.0	5.0	CU							
LCS (B5E3380-BS1)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Colour, True	21	5.0	CU	20.0		103	85-115			
LCS (B5E3380-BS2)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Colour, True	19	5.0	CU	20.0		93	85-115			
General Parameters, Batch B5E3505										
Blank (B5E3505-BLK1)				Prepared: 2025-05-16, Analyzed: 2025-05-17						
Nitrogen, Total Kjeldahl	< 0.050	0.050	mg/L							
Blank (B5E3505-BLK2)				Prepared: 2025-05-16, Analyzed: 2025-05-17						
Nitrogen, Total Kjeldahl	< 0.050	0.050	mg/L							
LCS (B5E3505-BS1)				Prepared: 2025-05-16, Analyzed: 2025-05-17						
Nitrogen, Total Kjeldahl	1.04	0.050	mg/L	1.00		104	85-115			
LCS (B5E3505-BS2)				Prepared: 2025-05-16, Analyzed: 2025-05-17						
Nitrogen, Total Kjeldahl	1.07	0.050	mg/L	1.00		107	85-115			
General Parameters, Batch B5E3584										

APPENDIX 2: QUALITY CONTROL RESULTS

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Analyte	Result	MRL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Notes
General Parameters, Batch B5E3584, Continued										
Blank (B5E3584-BLK1)				Prepared: 2025-05-17, Analyzed: 2025-05-17						
Turbidity	< 0.10	0.10	NTU							
LCS (B5E3584-BS1)				Prepared: 2025-05-17, Analyzed: 2025-05-17						
Turbidity	15.8	0.10	NTU	15.8		100	90-110			
Duplicate (B5E3584-DUP1)		**Source: 25E0520-01**		Prepared: 2025-05-17, Analyzed: 2025-05-17						
Turbidity	0.11	0.10	NTU		0.13				15	
Microbiological Parameters, Batch B5E3129										
Blank (B5E3129-BLK1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLK2)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLK3)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLK4)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLK5)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLK6)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLK7)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLK8)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLK9)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLKA)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLKB)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							
Blank (B5E3129-BLKC)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Coliforms, Total	< 1	1	CFU/100 mL							
E. coli	< 1	1	CFU/100 mL							

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO Terry Flamond (Silverton, Village of)
CARO WO# 25E0520 **REPORTED** 2025-05-22

Analyte	Result	MRL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Notes
Microbiological Parameters, Batch B5E3217										
Blank (B5E3217-BLK1)				Prepared: 2025-05-14, Analyzed: 2025-05-14						
Background Colonies	< 1	1	CFU/100 mL							
Total Metals, Batch B5E3357										
Blank (B5E3357-BLK1)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Mercury, total	< 0.000010	0.000010	mg/L							
Blank (B5E3357-BLK2)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Mercury, total	< 0.000010	0.000010	mg/L							
Blank (B5E3357-BLK3)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Mercury, total	< 0.000010	0.000010	mg/L							
Blank (B5E3357-BLK4)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Mercury, total	< 0.000010	0.000010	mg/L							
LCS (B5E3357-BS1)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Mercury, total	0.00247	0.000010	mg/L	0.00250		99	80-120			
LCS (B5E3357-BS2)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Mercury, total	0.00254	0.000010	mg/L	0.00250		101	80-120			
LCS (B5E3357-BS3)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Mercury, total	0.00266	0.000010	mg/L	0.00250		106	80-120			
LCS (B5E3357-BS4)				Prepared: 2025-05-15, Analyzed: 2025-05-15						
Mercury, total	0.00257	0.000010	mg/L	0.00250		103	80-120			
Total Metals, Batch B5E3378										
Blank (B5E3378-BLK1)				Prepared: 2025-05-15, Analyzed: 2025-05-16						
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	< 0.0500	0.0500	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							
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							
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							
LCS (B5E3378-BS1)				Prepared: 2025-05-15, Analyzed: 2025-05-16						
Aluminum, total	3.69	0.0050	mg/L	4.00		92	80-120			
Antimony, total	0.0387	0.00020	mg/L	0.0400		97	80-120			
Arsenic, total	0.371	0.00050	mg/L	0.400		93	80-120			
Barium, total	0.0390	0.0050	mg/L	0.0400		98	80-120			

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO Terry Flamond (Silverton, Village of)
CARO WO# 25E0520 **REPORTED** 2025-05-22

Analyte	Result	MRL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Notes
Total Metals, Batch B5E3378, Continued										
LCS (B5E3378-BS1), Continued				Prepared: 2025-05-15, Analyzed: 2025-05-16						
Boron, total	0.385	0.0500	mg/L	0.400		96	80-120			
Cadmium, total	0.0388	0.000010	mg/L	0.0400		97	80-120			
Calcium, total	3.83	0.20	mg/L	4.00		96	80-120			
Chromium, total	0.0375	0.00050	mg/L	0.0400		94	80-120			
Cobalt, total	0.0374	0.00010	mg/L	0.0400		94	80-120			
Copper, total	0.0376	0.00040	mg/L	0.0400		94	80-120			
Iron, total	3.74	0.010	mg/L	4.00		93	80-120			
Lead, total	0.0392	0.00020	mg/L	0.0400		98	80-120			
Magnesium, total	3.78	0.010	mg/L	4.00		94	80-120			
Manganese, total	0.0377	0.00020	mg/L	0.0400		94	80-120			
Molybdenum, total	0.0392	0.00010	mg/L	0.0400		98	80-120			
Nickel, total	0.0375	0.00040	mg/L	0.0400		94	80-120			
Potassium, total	3.62	0.10	mg/L	4.00		90	80-120			
Selenium, total	0.379	0.00050	mg/L	0.400		95	80-120			
Sodium, total	3.78	0.10	mg/L	4.00		95	80-120			
Strontium, total	0.0372	0.0010	mg/L	0.0400		93	80-120			
Uranium, total	0.0390	0.000020	mg/L	0.0400		97	80-120			
Zinc, total	0.370	0.0040	mg/L	0.400		93	80-120			
Duplicate (B5E3378-DUP1)				**Source: 25E0520-01**	Prepared: 2025-05-15, Analyzed: 2025-05-16					
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				20	
Barium, total	0.0167	0.0050	mg/L		0.0166				20	
Boron, total	< 0.0500	0.0500	mg/L		< 0.0500				20	
Cadmium, total	0.000049	0.000010	mg/L		0.000054			9	20	
Calcium, total	27.0	0.20	mg/L		26.7			1	20	
Chromium, total	< 0.00050	0.00050	mg/L		< 0.00050				20	
Cobalt, total	< 0.00010	0.00010	mg/L		< 0.00010				20	
Copper, total	0.00861	0.00040	mg/L		0.00878			2	20	
Iron, total	< 0.010	0.010	mg/L		< 0.010				20	
Lead, total	0.00077	0.00020	mg/L		0.00076				20	
Magnesium, total	3.16	0.010	mg/L		3.10			2	20	
Manganese, total	< 0.00020	0.00020	mg/L		< 0.00020				20	
Molybdenum, total	0.00135	0.00010	mg/L		0.00135			< 1	20	
Nickel, total	0.00094	0.00040	mg/L		0.00096				20	
Potassium, total	1.37	0.10	mg/L		1.36			< 1	20	
Selenium, total	0.00134	0.00050	mg/L		0.00129				20	
Sodium, total	1.65	0.10	mg/L		1.64			< 1	20	
Strontium, total	0.164	0.0010	mg/L		0.164			< 1	20	
Uranium, total	0.00116	0.000020	mg/L		0.00115			1	20	
Zinc, total	0.0136	0.0040	mg/L		0.0143				20	