



2025-09-26 12:50 / 4.1°C

2025-10-07 14:06

CERTIFICATE OF ANALYSIS

REPORTED TO North Canyon Improvement District

Box 60

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.

Canvon, BC V0B 1C0

ATTENTION Bob Adams WORK ORDER 25l3814

PO NUMBER

PROJECT N.C.I.D. Drinking Water REPORTED

PROJECT INFO 05347 COC NUMBER No Number

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

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

RECEIVED / TEMP

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.

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

Authorized By:

Hanane El Hannaoui Junior Account Manager Flo

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TEST RESULTS

PROJECT North Canyon Improvement District N.C.I.D. Drinking Water				WORK ORDER REPORTED		2513814 2025-10-07 14:06	
Analyte		Result	Guideline	RL	Units	Analyzed	Qualifier
Goat River Well	(25l3814-01) Matrix: Drink	ing Water Sam	pled: 2025-09-25 09	9:15			
Anions							
Chloride		2.48	AO ≤ 250	0.10	mg/L	2025-09-27	
Chloride Fluoride		2.48 < 0.10	AO ≤ 250 MAC = 1.5		mg/L mg/L	2025-09-27 2025-09-27	

0.204

8.3

< 0.010

Calculated Parameters

Nitrate (as N)

Nitrite (as N)

Sulfate

Hardness, Total (as CaCO3)	56.0	None Required	0.500 mg/L	N/A	
Langelier Index	-1.8	N/A	-5.0	2025-10-07	CT6
Nitrate+Nitrite (as N)	0.204	N/A	0.0100 mg/L	N/A	
Nitrogen, Total	0.268	N/A	0.0500 mg/L	N/A	
Solids, Total Dissolved	72.2	AO ≤ 500	1.00 mg/L	N/A	

MAC = 10

MAC = 1

AO ≤ 500

0.010 mg/L

0.010 mg/L

1.0 mg/L

2025-09-27

2025-09-27

2025-09-27

General Parameters

Alkalinity, Total (as CaCO3)	58.2	N/A	1.0	mg/L	2025-09-30	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2025-09-30	
Alkalinity, Bicarbonate (as CaCO3)	58.2	N/A	1.0	mg/L	2025-09-30	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2025-09-30	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2025-09-30	
Ammonia, Total (as N)	< 0.050	None Required	0.050	mg/L	2025-10-03	
Carbon, Total Organic	0.60	N/A	0.50	mg/L	2025-09-29	
Colour, True	< 5.0	AO ≤ 15	5.0	CU	2025-09-27	
Conductivity (EC)	136	N/A	2.0	μS/cm	2025-09-30	
Cyanide, Total	< 0.0020	MAC = 0.2	0.0020	mg/L	2025-09-29	
Nitrogen, Total Kjeldahl	0.064	N/A	0.050	mg/L	2025-10-03	
рН	6.84	7.0-10.5	0.10	pH units	2025-09-30	HT2
Temperature, at pH	22.0	N/A		°C	2025-09-30	HT2
Turbidity	< 0.10	OG < 1	0.10	NTU	2025-09-27	
UV Transmittance @ 254 nm - Unfiltered	98.8	N/A	0.10	% T	2025-09-27	

Microbiological Parameters

Coliforms, Total	< 1	MAC = 0	1 CFU/100 mL	2025-09-26	HT3
Background Colonies	1	N/A	1 CFU/100 mL	2025-09-26	HT1
E. coli	< 1	MAC = 0	1 CFU/100 mL	2025-09-26	HT3

Total Metals

Total Wetais					
Aluminum, total	< 0.0050	OG < 0.1	0.0050 mg/L	2025-10-03	
Antimony, total	< 0.00020	MAC = 0.006	0.00020 mg/L	2025-10-03	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050 mg/L	2025-10-03	
Barium, total	0.0115	MAC = 2	0.0050 mg/L	2025-10-03	
Boron, total	< 0.0500	MAC = 5	0.0500 mg/L	2025-10-03	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010 mg/L	2025-10-03	
Calcium, total	14.2	None Required	0.20 mg/L	2025-10-03	
Chromium, total	< 0.00050	MAC = 0.05	0.00050 mg/L	2025-10-03	



TEST RESULTS

REPORTED TO	North Canyon Improvement District	WORK ORDER	25 3814
PROJECT	N.C.I.D. Drinking Water	REPORTED	2025-10-07 14:06

	Result	Guideline	RL	Units	Analyzed	Qualif
oat River Well (25l3814-01) Matrix: Dr	inking Water Sar	mpled: 2025-09-25 0	9:15, Contin	ued		
otal Metals, Continued						
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2025-10-03	
Copper, total	0.00090	MAC = 2	0.00040	mg/L	2025-10-03	
Iron, total	0.011	AO ≤ 0.1	0.010	mg/L	2025-10-03	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2025-10-03	
Magnesium, total	5.00	None Required	0.010	mg/L	2025-10-03	
Manganese, total	0.00025	MAC = 0.12	0.00020	mg/L	2025-10-03	
Mercury, total	< 0.000010	MAC = 0.001	0.000010	mg/L	2025-09-29	
Molybdenum, total	0.00037	N/A	0.00010	mg/L	2025-10-03	
Nickel, total	< 0.00040	N/A	0.00040	mg/L	2025-10-03	
Potassium, total	0.77	N/A	0.10	mg/L	2025-10-03	
Selenium, total	0.00052	MAC = 0.05	0.00050	mg/L	2025-10-03	
Sodium, total	5.06	AO ≤ 200	0.10	mg/L	2025-10-03	
Strontium, total	0.0465	MAC = 7	0.0010	mg/L	2025-10-03	
Uranium, total	0.00107	MAC = 0.02	0.000020	mg/L	2025-10-03	
Zinc, total	0.0081	AO ≤ 5	0.0040	mg/L	2025-10-03	
Chloride	0.73	AO ≤ 250	0.10	mg/L	2025-09-27	
Chloride Fluoride	0.73 < 0.10	AO ≤ 250 MAC = 1.5		mg/L	2025-09-27 2025-09-27	
-				mg/L		
Fluoride	< 0.10	MAC = 1.5	0.10	mg/L mg/L	2025-09-27	
Fluoride Nitrate (as N)	< 0.10 0.146	MAC = 1.5 MAC = 10	0.10 0.010 0.010	mg/L mg/L	2025-09-27 2025-09-27	
Fluoride Nitrate (as N) Nitrite (as N) Sulfate	< 0.10 0.146 < 0.010	MAC = 1.5 MAC = 10 MAC = 1	0.10 0.010 0.010	mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27	
Fluoride Nitrate (as N) Nitrite (as N) Sulfate	< 0.10 0.146 < 0.010	MAC = 1.5 MAC = 10 MAC = 1	0.10 0.010 0.010	mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27	
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters	< 0.10 0.146 < 0.010 9.3	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500	0.10 0.010 0.010 1.0	mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27	CT
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3)	< 0.10 0.146 < 0.010 9.3	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required	0.10 0.010 0.010 1.0	mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A	СТ
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index	< 0.10 0.146 < 0.010 9.3 85.6 -0.8	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A	0.10 0.010 0.010 1.0 0.500 -5.0	mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A 2025-10-07	CT
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N)	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A	0.10 0.010 0.010 1.0 0.500 -5.0 0.0100 0.0500	mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A 2025-10-07 N/A	СТ
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N) Nitrogen, Total Solids, Total Dissolved	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146 0.198	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A N/A	0.10 0.010 0.010 1.0 0.500 -5.0 0.0100 0.0500	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A 2025-10-07 N/A N/A	СТ
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N) Nitrogen, Total Solids, Total Dissolved	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146 0.198	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A N/A	0.10 0.010 0.010 1.0 0.500 -5.0 0.0100 0.0500 1.00	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A 2025-10-07 N/A N/A	СТ
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N) Nitrogen, Total Solids, Total Dissolved General Parameters	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146 0.198 99.6	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A N/A N/A AO ≤ 500	0.10 0.010 1.0 0.500 -5.0 0.0100 0.0500 1.00	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A 2025-10-07 N/A N/A	CT
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N) Nitrogen, Total Solids, Total Dissolved General Parameters Alkalinity, Total (as CaCO3)	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146 0.198 99.6	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A N/A AO ≤ 500	0.10 0.010 1.0 0.500 -5.0 0.0100 0.0500 1.00	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A 2025-10-07 N/A N/A N/A	CT
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N) Nitrogen, Total Solids, Total Dissolved General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3)	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146 0.198 99.6 85.9 < 1.0	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A N/A AO ≤ 500 N/A N/A	0.10 0.010 1.0 0.500 -5.0 0.0100 0.0500 1.00 1.0 1.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A 2025-10-07 N/A N/A N/A 2025-09-30 2025-09-30	CT
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N) Nitrogen, Total Solids, Total Dissolved General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3) Alkalinity, Bicarbonate (as CaCO3)	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146 0.198 99.6 85.9 < 1.0 85.9	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A N/A AO ≤ 500 N/A N/A N/A N/A N/A	0.10 0.010 1.0 0.500 -5.0 0.0100 0.0500 1.00 1.0 1.0 1.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 2025-10-07 N/A N/A N/A N/A 2025-10-30 2025-09-30 2025-09-30	CT
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N) Nitrogen, Total Solids, Total Dissolved General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3) Alkalinity, Carbonate (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3)	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146 0.198 99.6 85.9 < 1.0 85.9 < 1.0 < 1.0 < 0.050	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A N/A AO ≤ 500 N/A N/A N/A N/A N/A N/A N/A N	0.10 0.010 1.0 0.500 -5.0 0.0100 0.0500 1.00 1.0 1.0 1.0 1.0 0.050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 2025-10-07 N/A N/A N/A N/A 2025-10-30 2025-09-30 2025-09-30 2025-09-30	CT
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N) Nitrogen, Total Solids, Total Dissolved General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3) Alkalinity, Garbonate (as CaCO3) Alkalinity, Carbonate (as CaCO3) Alkalinity, Hydroxide (as CaCO3)	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146 0.198 99.6 85.9 < 1.0 85.9 < 1.0 < 1.0 < 1.0	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A N/A AO ≤ 500 N/A N/A N/A N/A N/A N/A N/A N	0.10 0.010 1.0 0.500 -5.0 0.0100 0.0500 1.00 1.0 1.0 1.0 0.0500 1.00 0.0500 0.0500 0.0500 0.0500	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A 2025-10-07 N/A N/A N/A 2025-09-30 2025-09-30 2025-09-30 2025-09-30 2025-09-30	СТ
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N) Nitrogen, Total Solids, Total Dissolved General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3) Alkalinity, Bicarbonate (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Ammonia, Total (as N) Carbon, Total Organic Colour, True	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146 0.198 99.6 85.9 < 1.0 85.9 < 1.0 < 1.0 < 0.050	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A N/A AO ≤ 500 N/A N/A N/A N/A N/A N/A N/A N	0.10 0.010 1.0 0.500 -5.0 0.0100 1.00 1.00 1.00 0.0500 1.00 0.0500 0.0500 5.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A 2025-10-07 N/A N/A N/A 2025-09-30 2025-09-30 2025-09-30 2025-09-30 2025-09-30 2025-09-30 2025-09-29 2025-09-29	СТ
Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Hardness, Total (as CaCO3) Langelier Index Nitrate+Nitrite (as N) Nitrogen, Total Solids, Total Dissolved General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3) Alkalinity, Bicarbonate (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Ammonia, Total (as N) Carbon, Total Organic	< 0.10 0.146 < 0.010 9.3 85.6 -0.8 0.146 0.198 99.6 85.9 < 1.0 85.9 < 1.0 < 1.0 < 0.050 < 0.50	MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500 None Required N/A N/A N/A AO ≤ 500 N/A N/A N/A N/A N/A N/A N/A	0.10 0.010 1.0 0.500 -5.0 0.0100 1.00 1.00 1.00 0.0500 1.00 0.0500 0.0500 5.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2025-09-27 2025-09-27 2025-09-27 2025-09-27 2025-09-27 N/A 2025-10-07 N/A N/A N/A 2025-09-30 2025-09-30 2025-09-30 2025-09-30 2025-09-30 2025-10-03 2025-10-03 2025-09-29	СТС



TEST RESULTS

Analyte

REPORTED TO North Canyon Improvement District

PROJECT N.C.I.D. Drinking Water

WORK ORDER REPORTED

RL Units

25l3814 2025-10-07 14:06

Analyzed

Qualifier

Reservoir (25l3814-02) Matrix: Drinking Water Sampled: 2025-09-25 09:45, Continued	

Guideline

Result

General Parameters, Continued						
Nitrogen, Total Kjeldahl	0.052	N/A	0.050	mg/L	2025-10-03	
рН	7.32	7.0-10.5	0.10	pH units	2025-09-30	HT2
Temperature, at pH	22.1	N/A		°C	2025-09-30	HT2
Turbidity	0.16	OG < 1	0.10	NTU	2025-09-27	
UV Transmittance @ 254 nm - Unfiltered	99.7	N/A	0.10	% T	2025-09-27	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2025-09-26	нта
Background Colonies	4	N/A	1	CFU/100 mL	2025-09-26	HT′
E. coli	< 1	MAC = 0	1	CFU/100 mL	2025-09-26	НТЗ
Total Metals						
Aluminum, total	0.0069	OG < 0.1	0.0050	mg/L	2025-10-03	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2025-10-03	
Arsenic, total	0.00365	MAC = 0.01	0.00050	mg/L	2025-10-03	
Barium, total	< 0.0050	MAC = 2	0.0050	mg/L	2025-10-03	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2025-10-03	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2025-10-03	
Calcium, total	28.8	None Required	0.20	mg/L	2025-10-03	
Chromium, total	0.00060	MAC = 0.05	0.00050	mg/L	2025-10-03	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2025-10-03	
Copper, total	< 0.00040	MAC = 2	0.00040	mg/L	2025-10-03	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2025-10-03	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2025-10-03	
Magnesium, total	3.32	None Required	0.010	mg/L	2025-10-03	
Manganese, total	< 0.00020	MAC = 0.12	0.00020	mg/L	2025-10-03	
Mercury, total	< 0.000010	MAC = 0.001	0.000010	mg/L	2025-09-29	
Molybdenum, total	0.00087	N/A	0.00010	mg/L	2025-10-03	
Nickel, total	< 0.00040	N/A	0.00040	mg/L	2025-10-03	
Potassium, total	1.26	N/A	0.10	mg/L	2025-10-03	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2025-10-03	
Sodium, total	3.14	AO ≤ 200	0.10	mg/L	2025-10-03	
Strontium, total	0.0543	MAC = 7	0.0010	mg/L	2025-10-03	
Uranium, total	0.00139	MAC = 0.02	0.000020	mg/L	2025-10-03	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2025-10-03	

Sample Qualifiers:

- 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.
- HT3 Microbiological analysis was initiated beyond the maximum holding time of 30 hours. Results may not be valid.



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO North Canyon Improvement District

PROJECT N.C.I.D. Drinking Water

WORK ORDER

2513814

REPORTED 2025-10-07 14:06

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
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 of Terms:

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

 $\begin{array}{lll} NTU & Nephelometric Turbidity Units \\ OG & Operational Guideline (treated water) \\ pH units & pH < 7 = acidic, ph > 7 = basic \\ \mu S/cm & Microsiemens per centimetre \\ ASTM & ASTM International Test Methods \\ \end{array}$

EPA United States Environmental Protection Agency Test Methods

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



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO North Canyon Improvement District

PROJECT N.C.I.D. Drinking Water

WORK ORDER

25|3814

REPORTED 2025-10-07 14:06

General Comments:

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Results in **Bold** indicate values that are above CARO's method reporting limits. Results in **red** indicate values above the regulatory limits where these have been included. Any Bold and/or highlighted results do <u>not</u> 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: hhannaoui@caro.ca

Regulatory limits are added to test reports on request and are as a convenience only. While CARO makes every effort to ensure accuracy of regulatory limits, CARO assumes no liability for the use of this information. It remains the client's responsibility to ensure that regulatory limits are correct for their circumstances.