



CERTIFICATE OF ANALYSIS

REPORTED TO Dan Gare Drilling

Box 722

Armstrong, BC V0E 1B0

ATTENTION Logan Flett

PO NUMBER

PROJECT General Potability

PROJECT INFO Lot 4

WORK ORDER 21J3628

RECEIVED / TEMP 2021-10-27 10:05 / 8.8°C

REPORTED 2021-11-03 17:01

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



Ahead of the Curve



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.

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.

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 teamcaro@caro.ca

Authorized By:

Team CARO
Client Service Representative



TEST RESULTS

Anions Chloride 70.3 AO ≤ 250 0.10 mg/L 2021-10-28 Fluoride 3.12 MAC = 1.5 0.10 mg/L 2021-10-28 Nitrate (as N) < 0.010 MAC = 1 0.010 mg/L 2021-10-28 Nitrite (as N) < 0.010 MAC = 1 0.010 mg/L 2021-10-28 Sulfate 9,0 AO ≤ 500 1.0 mg/L 2021-10-28 Sulfate 9,0 AO ≤ 500 1.0 mg/L 2021-10-28 Calculated Parameters Hardness, Total (as CaCO3) 79.6 None Required 0.500 mg/L N/A Langelier Index 0.8 N/A -5.0 2021-11-03 Solids, Total Dissolved 358 AO ≤ 500 1.00 mg/L N/A Solids, Total Dissolved 358 AO ≤ 500 1.00 mg/L 2021-10-30 Alkalinity, Total (as CaCO3) 8.5 N/A 1.0 mg/L 2021-10-30 Alkalinity, Phenolphthalein (as CaCO3) 8.5 N/A 1.0 mg/L 2021-10-30 Alkalinity, Bicarbonate (as CaCO3) 16.9 N/A 1.0 mg/L 2021-10-30 Alkalinity, Carbonate (as CaCO3) 1.00 N/A 1.0 mg/L 2021-10-30 Alkalinity, Carbonate (as CaCO3) 1.00 N/A 1.0 mg/L 2021-10-30 Alkalinity, Hydroxide (as CaCO3) 1.00 N/A 1.0 mg/L 2021-10-30 Colour, True < 5.0 AO ≤ 15 5.0 CU 2021-10-30 Conductivity (EC) 615 N/A 2.0 μS/cm 2021-10-30 PH 8.58 7.0-10.5 0.10 pH units 2021-10-30 PH 1 8.58 7.0-10.5 0.10 pH units 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT 2 Temperature, at pH 22.7 N/A °C 2021-10-30 HT 2 Temperatur	REPORTED TO Dan Gare Drilling PROJECT General Potability				WORK ORDER REPORTED	21J3628 2021-11-0	3 17:01
Anions Chloride 70.3	Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
Chloride 70.3 AO ≤ 250 0.10 mg/L 2021-10-28 Fluoride 3.12 MAC = 1.5 0.01 mg/L 2021-10-28 Nitrate (as N) < 0.010	Lot 4 (21J3628-01) Matrix: Water Samp	oled: 2021-10-26 1	8:00				
Fluoride 1.1 MAC = 1.5 0.10 mg/L 2021-10-28 Nitrate (as N) <0.010 MAC = 10 0.010 mg/L 2021-10-28 Nitrate (as N) <0.010 MAC = 10 0.010 mg/L 2021-10-28 Nitrate (as N) <0.010 MAC = 10 0.010 mg/L 2021-10-28 Nitrate (as N) <0.001 MAC = 10 0.010 mg/L 2021-10-28 Nitrate (as N) <0.001 MAC = 10 0.010 mg/L 2021-10-28 Nitrate (as N) <0.001 MAC = 10 0.010 mg/L 2021-10-28 NITrate (as N) NITrate (as	Anions						
Fluoride 1.1 MAC = 1.5 0.10 mg/L 2021-10-28 Nitrate (as N) <0.010 MAC = 10 0.010 mg/L 2021-10-28 Nitrate (as N) <0.010 MAC = 10 0.010 mg/L 2021-10-28 Nitrate (as N) <0.010 MAC = 10 0.010 mg/L 2021-10-28 Nitrate (as N) <0.001 MAC = 10 0.010 mg/L 2021-10-28 Nitrate (as N) <0.001 MAC = 10 0.010 mg/L 2021-10-28 Nitrate (as N) <0.001 MAC = 10 0.010 mg/L 2021-10-28 NITrate (as N) NITrate (as	Chloride	70.3	AO ≤ 250	0.10	mg/L	2021-10-28	
Nitrate (as N) < 0.010 MAC = 10 0.010 mg/L 2021-10-28 Nitrite (as N) < 0.010 MAC = 1 0.010 mg/L 2021-10-28 Nitrite (as N) < 0.01 MAC = 1 0.010 mg/L 2021-10-28 Calculated 9.0 AO ≤ 500 none mg/L 2021-10-28 Calculated Parameters Hardness, Total (as CaCO3) 79.6 None Required 0.50 mg/L N/A Solids, Total Dissolved 368 AO ≤ 500 1.0 mg/L N/A Calculated Dissolved 368 AO ≤ 500 1.0 mg/L N/A Alkalinity, Dratol (as CaCO3) 227 N/A 1.0 mg/L 2021-10-30 Alkalinity, Phenolphthalein (as CaCO3) 25 N/A 1.0 mg/L 2021-10-30 Alkalinity, Phenolphthalein (as CaCO3) 416 N/A 1.0 mg/L 2021-10-30 Alkalinity, Hydroxide (as CaCO3) 416 N/A 1.	Fluoride	3.12	MAC = 1.5			2021-10-28	
Nitrie (sa N)	Nitrate (as N)	< 0.010	MAC = 10			2021-10-28	
Sulfate 9.0 AO ≤ 500 1.0 mg/L 2021-10-28 Carculated Parameters Hardness, Total (as CaCO3) 79.6 None Required 0.500 mg/L N/A Langeller Index 0.8 N/A 4.50 2021-11-03 Solids, Total Dissolved 358 AO ≤ 500 1.00 mg/L N/A Alkalinity, Total (as CaCO3) 227 N/A 1.0 mg/L 2021-10-30 Alkalinity, Phenolphthalein (as CaCO3) 8.5 N/A 1.0 mg/L 2021-10-30 Alkalinity, Bicarbonate (as CaCO3) 8.5 N/A 1.0 mg/L 2021-10-30 Alkalinity, Carbonate (as CaCO3) 16.8 N/A 1.0 mg/L 2021-10-30 Alkalinity, Bicarbonate (as CaCO3) 16.8 N/A 1.0 mg/L 2021-10-30 Alkalinity, Edicy Cacco 616 N/A 1.0 mg/L 2021-10-30 Colout, True < 5.0		< 0.010	MAC = 1			2021-10-28	
Hardness, Total (as CaCO3) 79.6 None Required 0.500 mg/L N/A 2021-11-03 Collection (as CaCO3) 358 N/A 5.0 0.2021-11-03 Collection (bottom of the properties	Sulfate	9.0	AO ≤ 500	1.0	mg/L		
Langelier Index 0.8 N/A 5.0 2021-11-03 Solids, Total Dissolved 358 AO ≤ 500 1.00 mg/L N/A General Parameters Sementer Semente	Calculated Parameters						
Langelier Index 0.8 N/A 5.0 2021-11-03 Solids, Total Dissolved 358 AO ≤ 500 1.00 mg/L N/A General Parameters Sementer Semente	Hardness Total (as CaCO3)	79.6	None Required	0.500	ma/l	N/A	
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Alkalinity, Phenolphthalein (as CaCO3) 8.5 N/A 1.0 mg/L 2021-10-30 Alkalinity, Bicarbonate (as CaCO3) 210 N/A 1.0 mg/L 2021-10-30 Alkalinity, Carbonate (as CaCO3) 16.9 N/A 1.0 mg/L 2021-10-30 Alkalinity, Carbonate (as CaCO3) 4.10 N/A 1.0 mg/L 2021-10-30 Alkalinity, Hydroxide (as CaCO3) 4.10 N/A 1.0 mg/L 2021-10-30 Colour, True < 5.0 AO ≤ 15 5.0 CU 2021-10-30 Conductivity (EC) 615 N/A 2.0 µS/cm 2021-10-30 Cyanide, Total < 0.0020 MAC = 0.2 0.0020 mg/L 2021-10-30 HT2 Total < 8.88 7.0-10.5 0.10 pH units 2021-10-30 HT2 Turbidity 6.49 OG < 1 0.10 NTU 2021-10-30 HT2 Wicrobiological Parameters 201 MAC = 0 1 CFU/100 mL 2021-10-30 HT2		227	N/A	1.0	ma/L	2021-10-30	
Alkalinity, Bicarbonate (as CaCO3) 16.9 N/A 1.0 mg/L 2021-10-30 Alkalinity, Carbonate (as CaCO3) 16.9 N/A 1.0 mg/L 2021-10-30 Alkalinity, Carbonate (as CaCO3) 41.0 N/A 1.0 mg/L 2021-10-30 Alkalinity, Hydroxide (as CaCO3) 41.0 N/A 1.0 mg/L 2021-10-30 Colour, True 4.5.0 AO 4.15 5.0 CU 2021-10-29 Conductivity (EC) 615 N/A 2.0 µS/cm 2021-10-30 Cyanide, Total 4.00020 MAC = 0.2 0.0020 mg/L 2021-10-30 PH 8.58 7.0-10.5 0.10 pH units 2021-10-30 HT2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT2 Turbidity 6.49 OG < 1 0.10 NTU 2021-10-30 HT2 Turbidity 6.49 OG < 1 0.10 NTU 2021-10-30 HT2 Microbiological Parameters Coliforms, Total 41 MAC = 0 1 CFU/100 mL 2021-10-27 E. coli 41 MAC = 0 1 CFU/100 mL 2021-10-27 E. coli 41 MAC = 0 1 CFU/100 mL 2021-10-27 E. coli 41 MAC = 0 1 CFU/100 mL 2021-10-27 E. coli 41 MAC = 0 1 CFU/100 mL 2021-10-27 E. coli 41 MAC = 0 1 CFU/100 mL 2021-10-27 E. coli 41 MAC = 0 1 CFU/100 mL 2021-11-03 Antimony, total 4.000020 MAC = 0.006 0.00020 mg/L 2021-11-03 Arsenic, total 4.000050 MAC = 0.006 0.00020 mg/L 2021-11-03 Barium, total 4.000020 MAC = 0.005 0.00000 mg/L 2021-11-03 Boron, total 4.000020 MAC = 0.005 0.00001 mg/L 2021-11-03 Cadmium, total 4.00012 N/A 0.00010 mg/L 2021-11-03 Calcium, total 4.00012 MAC = 0.005 0.00000 mg/L 2021-11-03 Cobalt, total 4.00012 MAC = 0.005 0.00000 mg/L 2021-11-03 Copper, total 4.00012 MAC = 0.005 0.00000 mg/L 2021-11-03 Copper, total 4.00012 MAC = 0.0005 0.00000 mg/L 2021-11-03 Copper, total 4.00012 MAC = 0.005 0.00000 mg/L 2021-11-03 Copper, total 4.000020 MAC = 0.005 0.00000 mg/L 2021-11-03 Copper, total 4.000020 MAC = 0.005 0.00000 mg/L 2021-11-03							
Alkalinity, Carbonate (as CaCO3) 16.9 N/A 1.0 mg/L 2021-10-30 Alkalinity, Hydroxide (as CaCO3) < 1.0							
Alkalinity, Hydroxide (as CaCO3) < 1.0 N/A 1.0 mg/L 2021-10-30 Colour, True < 5.0			N/A				
Colour, True < 5.0 AO ≤ 15 5.0 CU 2021-10-29 Conductivity (EC) 615 N/A 2.0 μS/cm 2021-10-30 Cyanide, Total < 0.0020 MAC = 0.2 0.0020 mg/L 2021-10-30 pH 8.58 7.0-10.5 0.10 pH units 2021-10-30 HT2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT2 Turbidity 6.49 OG < 1 0.10 NTU 2021-10-30 HT2 Microbiological Parameters Coliforms, Total <1 MAC = 0 1 CFU/100 mL 2021-10-27 TOTAL Microbiological Parameters Coliforms, Total <1 MAC = 0 1 CFU/100 mL 2021-10-27 TOTAL Microbiological Parameters Coliforms, Total <1 MAC = 0 1 CFU/100 mL 2021-10-27 TOTAL Microbiological Parameters Coliforms, Total <1 </td <td></td> <td></td> <td>N/A</td> <td></td> <td></td> <td></td> <td></td>			N/A				
Conductivity (EC) 615 N/A 2.0 μS/cm 2021-10-30 Cyanide, Total < 0.0020		< 5.0	AO ≤ 15			2021-10-29	
Cyanide, Total < 0.0020 MAC = 0.2 0.0020 mg/L 2021-10-30 pH 8.58 7.0-10.5 0.10 pH units 2021-10-30 HT2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT2 Turbidity 6.49 OG < 1	· · · · · · · · · · · · · · · · · · ·	615	N/A	2.0	μS/cm		
pH 8.58 7.0-10.5 0.10 pH units 2021-10-30 HT2 Temperature, at pH 21.7 N/A °C 2021-10-30 HT2 Turbidity 6.49 OG < 1		< 0.0020				2021-10-30	
Temperature, at pH 21.7 N/A °C 2021-10-30 HT2 Turbidity 6.49 OG < 1 0.10 NTU 2021-10-30 HT1 Microbiological Parameters Coliforms, Total < 1		8.58	7.0-10.5	0.10	pH units	2021-10-30	HT2
Microbiological Parameters Coliforms, Total < 1	Temperature, at pH	21.7	N/A		·	2021-10-30	HT2
Coliforms, Total <1 MAC = 0 1 CFU/100 mL 2021-10-27 E. coli <1 MAC = 0 1 CFU/100 mL 2021-10-27 Total Metals Aluminum, total 0.242 OG < 0.1 0.0050 mg/L 2021-11-03 Antimony, total <0.00020	Turbidity	6.49	OG < 1	0.10	NTU	2021-10-30	HT1
E. coli <1 MAC = 0 1 CFU/100 mL 2021-10-27 Total Metals Aluminum, total 0.242 OG < 0.1 0.0050 mg/L 2021-11-03 Antimony, total < 0.00020	Microbiological Parameters						
Aluminum, total O.242 OG < 0.1 O.0050 mg/L O.0020 MAC = 0.006 O.00020 mg/L O.0050 Mg/L O.0011-03 Cadmium, total O.000020 MGC = 0.005 O.000010 Mg/L O.0011-03 Calcium, total O.00183 MGC = 0.05 O.00050 Mg/L O.0050 Mg/L O.0011-03 Cobalt, total O.00012 N/A O.00010 Mg/L O.0011-03 Copper, total O.00012 N/A O.00010 Mg/L O.0011-03 Copper, total O.00172 MGC = 2 O.00040 Mg/L O.0010 Mg/L O.0011-1-03 Iron, total O.00029 MGC = 0.005 O.00020 Mg/L O.0010 Mg/L O.0011-1-03 Copper, total O.00029 MGC = 0.005 O.00020 Mg/L O.0011-1-03 Mg/L O.0010 Mg/L O.0011-1-03 Mg/L O.0011-1-03 Mg/L O.0010 Mg/L O.0011-1-03 Mg/L O.0010 Mg/L O.0011-1-03 Mg/L O.0010 Mg/L O.0011-1-03 Mg/L O.0010 Mg/L O.0011-1-03	Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2021-10-27	
Aluminum, total 0.242 OG < 0.1 0.0050 mg/L 2021-11-03 Antimony, total < 0.00020	E. coli	< 1	MAC = 0	1	CFU/100 mL	2021-10-27	
Antimony, total < 0.00020 MAC = 0.006 0.00020 mg/L 2021-11-03 Arsenic, total < 0.00050	Total Metals						
Arsenic, total < 0.00050 MAC = 0.01 0.00050 mg/L 2021-11-03 Barium, total 0.150 MAC = 2 0.0050 mg/L 2021-11-03 Boron, total < 0.0500	Aluminum, total	0.242	OG < 0.1	0.0050	mg/L	2021-11-03	
Barium, total 0.150 MAC = 2 0.0050 mg/L 2021-11-03 Boron, total < 0.0500	Antimony, total	< 0.00020	MAC = 0.006				
Barium, total 0.150 MAC = 2 0.0050 mg/L 2021-11-03 Boron, total < 0.0500	Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2021-11-03	
Cadmium, total 0.000020 MAC = 0.005 0.000010 mg/L $2021-11-03$ Calcium, total 23.2 None Required 0.20 mg/L $2021-11-03$ Chromium, total 0.00183 MAC = 0.05 0.00050 mg/L $2021-11-03$ Cobalt, total 0.00012 N/A 0.00010 mg/L $2021-11-03$ Copper, total 0.00172 MAC = 2 0.0040 mg/L $2021-11-03$ Iron, total 0.638 AO ≤ 0.3 0.010 mg/L $2021-11-03$ Lead, total 0.00029 MAC = 0.005 0.00020 mg/L $2021-11-03$ Magnesium, total 5.21 None Required 0.010 mg/L $2021-11-03$ Manganese, total 0.0159 MAC = 0.12 0.00020 mg/L $2021-11-03$	Barium, total	0.150	MAC = 2	0.0050	mg/L	2021-11-03	
Calcium, total 23.2 None Required 0.20 mg/L $2021-11-03$ Chromium, total 0.00183 MAC = 0.05 0.00050 mg/L $2021-11-03$ Cobalt, total 0.00012 N/A 0.00010 mg/L $2021-11-03$ Copper, total 0.00172 MAC = 2 0.00040 mg/L $2021-11-03$ Iron, total 0.638 AO ≤ 0.3 0.010 mg/L $2021-11-03$ Lead, total 0.00029 MAC = 0.005 0.00020 mg/L $2021-11-03$ Magnesium, total 5.21 None Required 0.010 mg/L $2021-11-03$ Manganese, total 0.0159 MAC = 0.12 0.00020 mg/L $2021-11-03$	Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2021-11-03	
Chromium, total 0.00183 MAC = 0.05 0.00050 mg/L 2021-11-03 Cobalt, total 0.00012 N/A 0.00010 mg/L 2021-11-03 Copper, total 0.00172 MAC = 2 0.00040 mg/L 2021-11-03 Iron, total 0.638 AO \leq 0.3 0.010 mg/L 2021-11-03 Lead, total 0.00029 MAC = 0.005 0.00020 mg/L 2021-11-03 Magnesium, total 5.21 None Required 0.010 mg/L 2021-11-03 Manganese, total 0.0159 MAC = 0.12 0.00020 mg/L 2021-11-03	Cadmium, total	0.000020	MAC = 0.005	0.000010	mg/L	2021-11-03	
Cobalt, total 0.00012 N/A 0.00010 mg/L 2021-11-03 Copper, total 0.00172 MAC = 2 0.00040 mg/L 2021-11-03 Iron, total 0.638 AO ≤ 0.3 0.010 mg/L 2021-11-03 Lead, total 0.00029 MAC = 0.005 0.00020 mg/L 2021-11-03 Magnesium, total 5.21 None Required 0.010 mg/L 2021-11-03 Manganese, total 0.0159 MAC = 0.12 0.00020 mg/L 2021-11-03	Calcium, total	23.2	None Required	0.20	mg/L	2021-11-03	
Copper, total 0.00172 MAC = 2 0.00040 mg/L 2021-11-03 Iron, total 0.638 AO ≤ 0.3 0.010 mg/L 2021-11-03 Lead, total 0.00029 MAC = 0.005 0.00020 mg/L 2021-11-03 Magnesium, total 5.21 None Required 0.010 mg/L 2021-11-03 Manganese, total 0.0159 MAC = 0.12 0.00020 mg/L 2021-11-03	Chromium, total	0.00183	MAC = 0.05	0.00050	mg/L	2021-11-03	
Iron, total 0.638 AO ≤ 0.3 0.010 mg/L 2021-11-03 Lead, total 0.00029 MAC = 0.005 0.00020 mg/L 2021-11-03 Magnesium, total 5.21 None Required 0.010 mg/L 2021-11-03 Manganese, total 0.0159 MAC = 0.12 0.00020 mg/L 2021-11-03	Cobalt, total	0.00012	N/A	0.00010	mg/L	2021-11-03	
Lead, total 0.00029 MAC = 0.005 0.00020 mg/L 2021-11-03 Magnesium, total 5.21 None Required 0.010 mg/L 2021-11-03 Manganese, total 0.0159 MAC = 0.12 0.00020 mg/L 2021-11-03	Copper, total	0.00172	MAC = 2	0.00040	mg/L	2021-11-03	
Magnesium, total 5.21 None Required 0.010 mg/L 2021-11-03 Manganese, total 0.0159 MAC = 0.12 0.00020 mg/L 2021-11-03	Iron, total	0.638	AO ≤ 0.3	0.010	mg/L	2021-11-03	
Manganese, total 0.0159 MAC = 0.12 0.00020 mg/L 2021-11-03	Lead, total	0.00029	MAC = 0.005	0.00020	mg/L	2021-11-03	
	Magnesium, total	5.21	None Required	0.010	mg/L	2021-11-03	
Mercury, total < 0.000010 MAC = 0.001 0.000010 mg/L 2021-11-02	Manganese, total	0.0159	MAC = 0.12	0.00020	mg/L	2021-11-03	
	Mercury, total	< 0.000010	MAC = 0.001	0.000010	mg/L	2021-11-02	



TEST RESULTS

REPORTED TO Dan Gare Drilling
PROJECT General Potability

WORK ORDER

21J3628

REPORTED 2021-11-03 17:01

Analyte	Result	Guideline	RL Units	Analyzed Q	ualifier
Lot 4 (21J3628-01) Matrix: Wat	er Sampled: 2021-10-26 1	8:00, Continued			
Total Metals, Continued					
Molybdenum, total	0.0443	N/A	0.00010 mg/L	2021-11-03	
Nickel, total	0.00040	N/A	0.00040 mg/L	2021-11-03	
Potassium, total	1.24	N/A	0.10 mg/L	2021-11-03	
Selenium, total	< 0.00050	MAC = 0.05	0.00050 mg/L	2021-11-03	
Sodium, total	111	AO ≤ 200	0.10 mg/L	2021-11-03	
Strontium, total	6.01	7	0.0010 mg/L	2021-11-03	
Uranium, total	0.162	MAC = 0.02	0.000020 mg/L	2021-11-03	
Zinc, total	0.0041	AO ≤ 5	0.0040 mg/L	2021-11-03	

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

Dan Gare Drilling **REPORTED TO** General Potability **PROJECT**

WORK ORDER

21J3628

REPORTED

2021-11-03 17:01

Analysis Description	Method Ref.	Technique	Accredited	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 / Chromocult Agar	✓	Kelowna
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 Amperomet	ry ✓	Kelowna
E. coli in Water	SM 9222* (2017)	Membrane Filtration / Chromocult Agar	✓	Kelowna
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

°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 Operational Guideline (treated water) OG 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



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO Dan Gare Drilling PROJECT General Potability

WORK ORDER REPORTED 21J3628

ORTED 2021-11-03 17:01

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 or once samples expire, whichever comes first. Longer hold is possible if agreed to in writing. The quality control (QC) data is available upon request

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 <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:teamcaro@caro.ca

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