



2019-06-13 14:14 / 14°C

CERTIFICATE OF ANALYSIS

REPORTED TOBlack Mountain Irrigation District

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.

285 Gray Avenue

KELOWNA, BC V1X 1W8

ATTENTION BMID Reports WORK ORDER 9061343

PO NUMBER

PROJECTGeneral PotabilityREPORTED2019-06-21 17:31

PROJECT INFO 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 17025:2005 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.

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

Authorized By:

Alana Crump Junior Account Manager Het

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	ountain Irrigation District Potability		WORK ORDER REPORTED	9061343 2019-06-2	1 17:31
Analyte	Result	RL	Units	Analyzed	Qualifier
W.T.P. Intake - Raw (906134	3-01) Matrix: Water Sampled: 2	2019-06-13 09:00			
Anions					
Chloride	1.08	0.10	mg/L	2019-06-15	
Fluoride	< 0.10	0.10		2019-06-15	
Nitrate (as N)	< 0.010	0.010		2019-06-15	
Nitrite (as N)	< 0.010	0.010		2019-06-15	
Sulfate	2.3		mg/L	2019-06-15	
Calculated Parameters					
Hardness, Total (as CaCO3)	24.2	0.500	mg/L	N/A	
Solids, Total Dissolved	34.2	1.00	mg/L	N/A	
General Parameters					
Alkalinity, Total (as CaCO3)	32.0	1.0	mg/L	2019-06-17	
Alkalinity, Phenolphthalein (as			mg/L	2019-06-17	
Alkalinity, Bicarbonate (as Ca			mg/L	2019-06-17	
Alkalinity, Carbonate (as CaC			mg/L	2019-06-17	
Alkalinity, Hydroxide (as CaCo	· · · · · · · · · · · · · · · · · · ·		mg/L	2019-06-17	
Conductivity (EC)	52.3		μS/cm	2019-06-17	
Cyanide, Total	< 0.0020	0.0020	-	2019-06-14	
pH	7.43		pH units	2019-06-17	HT2
Turbidity	0.96	0.10	-	2019-06-13	
-					
Microbiological Parameters					
Coliforms, Total	360	1	CFU/100 mL	2019-06-14	
Background Colonies	> 200	200	CFU/100 mL	2019-06-14	
E. coli	55	1	CFU/100 mL	2019-06-14	
Total Metals					
Aluminum, total	0.0854	0.0050	mg/L	2019-06-20	
Antimony, total	< 0.00020	0.00020	mg/L	2019-06-20	
Arsenic, total	< 0.00050	0.00050	mg/L	2019-06-20	
Barium, total	0.0069	0.0050	mg/L	2019-06-20	
Boron, total	< 0.0050	0.0050	mg/L	2019-06-20	
Cadmium, total	< 0.000010	0.000010	mg/L	2019-06-20	
Calcium, total	6.90	0.20	mg/L	2019-06-20	
Chromium, total	0.00112	0.00050	mg/L	2019-06-20	
Copper, total	0.00115	0.00040	mg/L	2019-06-20	
Iron, total	0.101	0.010	mg/L	2019-06-20	
Lead, total	< 0.00020	0.00020	mg/L	2019-06-20	
Magnesium, total	1.70	0.010	mg/L	2019-06-20	
Manganese, total	0.00653	0.00020	mg/L	2019-06-20	
Potassium, total	0.52	0.10	mg/L	2019-06-20	
Selenium, total	< 0.00050	0.00050	mg/L	2019-06-20	
Sodium, total	2.19	0.10	mg/L	2019-06-20	
Uranium, total	0.000126	0.000020	mg/L	2019-06-20	



W.T.P. Intake - Raw (9061343-01) Matrix: Water Sampled: 2019-06-13 09:00, Continued Zinc, total < 0,0040 0,0040 mg/L 2019-06-20 Adden Pond - Outlet - Raw (9061343-02) Matrix: Water Sampled: 2019-06-13 08:20 Adden Pond - Outlet - Raw (9061343-02) Matrix: Water Sampled: 2019-06-13 08:20 Adden Pond - Outlet - Raw (9061343-02) Matrix: Water Sampled: 2019-06-13 08:20 Adden Pond - Outlet - Raw (9061343-02) Matrix: Water Sampled: 2019-06-13 08:20 Adden Pond - Outlet - Raw (9061343-02) Matrix: Water Sampled: 2019-06-13 08:20 Pond -	REPORTED TO PROJECT	Black Mountain Irrigation General Potability	on District		WORK ORDER REPORTED	9061343 2019-06-2	1 17:31
Total Metals, Continued Zinc, total < 0.0040 0.0040 mg/L 2019-06-20	Analyte		Result	RL	Units	Analyzed	Qualifier
Martine Mart	W.T.P. Intake - Ra	ıw (9061343-01) Matrix:	: Water Sampled: 2019	-06-13 09:00, Continued			
Hadden Pond - Outlet - Raw (9061343-02) Matrix: Water Sampled: 2019-06-13 08:20	Total Metals, Conti	inued					
Anions Chioride 7.53 0.10 mg/L 2019-06-15 Fluoride < 0.10	Zinc, total		< 0.0040	0.0040	mg/L	2019-06-20	
Chloride 7.53 0.10 mg/L 2019-06-15 Fluoride < 0.10	Hadden Pond - O	outlet - Raw (9061343-02) Matrix: Water Samp	led: 2019-06-13 08:20			
Fluoride	Anions						
Fluoride	Chloride		7.53	0.10	mg/L	2019-06-15	
Nitrate (as N)	Fluoride					2019-06-15	
Nitrite (as N) \$ 0.010 \$ 0.010 mg/L \$ 2019-06-15 \$ 0.014 \$ 0.014 \$ 0.014 \$ 0.014 \$ 0.014 \$ 0.014 \$ 0.014 \$ 0.014 \$ 0.005 \$ 0.014 \$ 0.005 \$ 0.014 \$ 0.005 \$ 0.014 \$ 0.005 \$ 0.014 \$ 0.005 \$ 0.014 \$ 0.005 \$ 0.014 \$ 0.005 \$ 0.014 \$ 0.005 \$ 0.0							
Sulfate 2.2 1.0 mg/L 2019-06-15 Calculated Parameters Calculated							
Hardness, Total (as CaCO3) 21.0 0.500 mg/L N/A Solids, Total Dissolved 32.2 1.00 mg/L 2019-06-17 Alkalinity, Total (as CaCO3) 16.8 1.0 mg/L 2019-06-17 Alkalinity, Denolphthalein (as CaCO3) 16.8 1.0 mg/L 2019-06-17 Alkalinity, Carbonate (as CaCO3) 16.8 1.0 mg/L 2019-06-17 Alkalinity, Carbonate (as CaCO3) 1.0 1.0 mg/L 2019-06-17 Alkalinity, Hydroxide (as CaCO3) 1.0 1.0 mg/L 2019-06-17 Conductivity (EC) 61.5 2.0 µS/cm 2019-06-17 Cyanide, Total 0.0020 0.0020 mg/L 2019-06-14 PH 7.33 0.10 PH units 2019-06-14 Turbidity 0.28 0.10 NTU 2019-06-13 Solidon, Total 20 1 CFU/100 mL 2019-06-13 E. coli 2 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 E. coli 3 0.0050 mg/L 2019-06-20 Arsenic, total 0.0071 0.0050 mg/L 2019-06-20 Barium, total 0.0059 0.0050 mg/L 2019-06-20 Barium, total 0.0059 0.0050 mg/L 2019-06-20 Barium, total 0.0071 0.0050 mg/L 2019-06-20 Barium, total 0.0071 0.0050 mg/L 2019-06-20 Cadmium, total 0.0071 0.0050 mg/L 2019-06-20 Cadmium, total 0.00010 0.000010 mg/L 2019-06-20 Cadmium, total 0.00115 0.00001 mg/L 2019-06-20 Cadmium, total 0.00116 0.00010 0.000010 0.000010 0.000010 Cadmium, total 0.00116 0.00010 0.000010 0.000010 0.000010 0.000010 Cadmium, total 0.00010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010							
Solids, Total Dissolved 32.2 1.00 mg/L N/A	Calculated Parame	eters			-		
Solids, Total Dissolved 32.2 1.00 mg/L N/A	Hardness Total (a	as CaCO3)	21 0	0.500	ma/l	N/A	
Alkalinity, Total (as CaCO3) 16.8 1.0 mg/L 2019-06-17 Alkalinity, Phenolphthalein (as CaCO3) 4.10 1.0 mg/L 2019-06-17 Alkalinity, Bicarbonate (as CaCO3) 16.8 1.0 mg/L 2019-06-17 Alkalinity, Bicarbonate (as CaCO3) 16.8 1.0 mg/L 2019-06-17 Alkalinity, Carbonate (as CaCO3) 4.10 1.0 mg/L 2019-06-17 Alkalinity, Hydroxide (as CaCO3) 4.10 1.0 mg/L 2019-06-17 Conductivity (EC) 61.5 2.0 µS/cm 2019-06-17 Conductivity (EC) 61.5 2.0 µS/cm 2019-06-17 Cyanide, Total 4.0.0020 0.0020 mg/L 2019-06-14 pH 7.33 0.10 pH units 2019-06-17 Turbidity 0.28 0.10 NTU 2019-06-13 Microbiological Parameters Coliforms, Total 20 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 Coliforms, Total 20 1 CFU/100 mL 2019-06-14 Total Metals 4.0.00000 4.0.00000 4.0.00000 Antimony, total 4.0.00000 4.0.00000 4.0.00000 Antimony, total 4.0.00000 4.0.00000 4.0.00000 Arsenic, total 4.0.00050 0.00050 0.0.0000 Barium, total 4.0.00050 0.0.0050 0.0.0000 Cadmium, total 4.0.00010 0.0.00010 0.0.0000 Cadmium, total 4.0.00010 0.0.00010 0.0.0000 Cadmium, total 5.90 0.20 0.0000 Calcium, total 5.90 0.20 0.0000 Copper, total 4.0.00040 0.00040 0.0040 0.0040 Copper, total 4.0.00040 0.00040 0.0040 Copper, total 4.0.00010 0.00010 0.00000 Copper, total 4.0.00010 0.00000 0.00000 Copper, total 4.0.000000 0.00000 0.00000 Copper, total 4.0.00000 0.00000 0.00000 Copper, total 4.0.00000 0.00000 0.00000 Copper, total 4.0.000000 0.00000 0.00000 Copper, total 4.0.000000 0.000000		· · · · · · · · · · · · · · · · · · ·					
Alkalinity, Total (as CaCO3) 16.8 1.0 mg/L 2019-06-17 Alkalinity, Phenolphthalein (as CaCO3) < 1.0 1.0 mg/L 2019-06-17 Alkalinity, Bicarbonate (as CaCO3) 16.8 1.0 mg/L 2019-06-17 Alkalinity, Carbonate (as CaCO3) < 1.0 1.0 mg/L 2019-06-17 Alkalinity, Carbonate (as CaCO3) < 1.0 1.0 mg/L 2019-06-17 Alkalinity, Hydroxide (as CaCO3) < 1.0 1.0 mg/L 2019-06-17 Alkalinity, Hydroxide (as CaCO3) < 1.0 1.0 mg/L 2019-06-17 Alkalinity, Hydroxide (as CaCO3) < 1.0 1.0 mg/L 2019-06-17 Conductivity (EC) 61.5 2.0 µS/cm 2019-06-17 Cyanide, Total < 0.0020 0.0020 mg/L 2019-06-17 Turbidity 0.28 0.10 NTU 2019-06-17 Turbidity 0.28 0.10 NTU 2019-06-13 Microbiological Parameters Coliforms, Total 20 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 Total Metals	<u> </u>				<u> </u>		
Alkalinity, Phenolphthalein (as CaCO3) < 1.0 1.0 mg/L 2019-06-17			16.8	1.0	ma/l	2019-06-17	
Alkalinity, Bicarbonate (as CaCO3) 16.8 1.0 mg/L 2019-06-17		,					
Alkalinity, Carbonate (as CaCO3)							
Alkalinity, Hydroxide (as CaCO3) < 1.0 1.0 mg/L 2019-06-17 Conductivity (EC) 61.5 2.0 µS/cm 2019-06-17 Cyanide, Total < 0.0020 0.0020 mg/L 2019-06-14 pH 7.33 0.10 pH units 2019-06-17 HT2 Turbidity 0.28 0.10 NTU 2019-06-13 **Microbiological Parameters** Coliforms, Total 20 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 **Total Metals** Aluminum, total 0.177 0.0050 mg/L 2019-06-20 Antimony, total <0.00020 0.00020 mg/L 2019-06-20 Arsenic, total <0.00050 0.00050 mg/L 2019-06-20 Barium, total 0.0059 0.0050 mg/L 2019-06-20 Barium, total 0.00050 0.0050 mg/L 2019-06-20 Boron, total 0.00071 0.0050 mg/L 2019-06-20 Cadmium, total <0.00010 0.00010 mg/L 2019-06-20 Cadmium, total 0.00010 0.00010 mg/L 2019-06-20 Cadmium, total 0.00115 0.00050 mg/L 2019-06-20 Chromium, total 0.00115 0.00050 mg/L 2019-06-20 Chromium, total 0.00115 0.00050 mg/L 2019-06-20 Copper, total <0.00040 0.00040 mg/L 2019-06-20 Iron, total <0.0010 0.00040 mg/L 2019-06-20 Lead, total <0.00020 mg/L 2019-06-20 Lead, total <0.00020 0.00020 mg/L 2019-06-20							
Conductivity (EC) 61.5 2.0 μS/cm 2019-06-17 Cyanide, Total < 0.0020							
Cyanide, Total < 0.0020 0.0020 mg/L 2019-06-14 pH 7.33 0.10 pH units 2019-06-17 HT2 Turbidity 0.28 0.10 NTU 2019-06-13 Microbiological Parameters Coliforms, Total 20 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 Total Metals Aluminum, total 0.177 0.0050 mg/L 2019-06-20 Antimony, total < 0.00020							
pH 7.33 0.10 pH units 2019-06-17 PHT2 HT2 Turbidity 0.28 0.10 NTU 2019-06-13 HT2 Microbiological Parameters Coliforms, Total 20 1 CFU/100 mL 2019-06-14 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 Total Metals Aluminum, total 0.177 0.0050 mg/L 2019-06-20 Antimony, total 0.00020 0.00020 mg/L 2019-06-20 Arsenic, total 0.0059 0.0050 mg/L 2019-06-20 Barium, total 0.0059 0.0050 mg/L 2019-06-20 Boron, total 0.0071 0.0050 mg/L 2019-06-20 Cadmium, total 0.00010 0.00010 mg/L 2019-06-20 Calcium, total 5.90 0.20 mg/L 2019-06-20 Chromium, total 0.00115 0.00050 mg/L 2019-06-20 Copper, total 0.00040 mg/L 2019-06-20 Iron, total <td></td> <td></td> <td></td> <td></td> <td>·</td> <td></td> <td></td>					·		
Turbidity 0.28 0.10 NTU 2019-06-13 Microbiological Parameters Coliforms, Total 20 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 Total Metals Aluminum, total 0.177 0.0050 mg/L 2019-06-20 Antimony, total < 0.00020 0.00020 mg/L 2019-06-20 Arsenic, total < 0.00050 0.00050 mg/L 2019-06-20 Barium, total 0.0059 0.0050 mg/L 2019-06-20 Boron, total 0.0071 0.0050 mg/L 2019-06-20 Cadmium, total < 0.000010 0.000010 mg/L 2019-06-20 Calcium, total 5.90 0.20 mg/L 2019-06-20 Chromium, total 0.00115 0.00050 mg/L 2019-06-20 Copper, total < 0.00040 0.00040 mg/L 2019-06-20 Iron, total < 0.0010 0.010 mg/L 2019-06-20 Lead, total < 0.00020 0.00020 mg/L 2019-06-20							HT2
Coliforms, Total 20 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 Total Metals Aluminum, total 0.177 0.0050 mg/L 2019-06-20 Antimony, total < 0.00020					·		
Coliforms, Total 20 1 CFU/100 mL 2019-06-14 E. coli 2 1 CFU/100 mL 2019-06-14 Total Metals Aluminum, total 0.177 0.0050 mg/L 2019-06-20 Antimony, total < 0.00020	Microbiological Pa	rameters					
E. coli 2 1 CFU/100 mL 2019-06-14 Total Metals Aluminum, total 0.177 0.0050 mg/L 2019-06-20 Antimony, total < 0.00020	Coliforms, Total		20	1	CFU/100 mL	2019-06-14	
Total Metals Aluminum, total 0.177 0.0050 mg/L 2019-06-20 Antimony, total < 0.00020						2019-06-14	
Antimony, total < 0.00020 0.00020 mg/L 2019-06-20 Arsenic, total < 0.00050	Total Metals						
Antimony, total < 0.00020 0.00020 mg/L 2019-06-20 Arsenic, total < 0.00050	Aluminum, total		0.177	0.0050	ma/L	2019-06-20	
Arsenic, total < 0.00050 0.00050 mg/L 2019-06-20 Barium, total 0.0059 0.0050 mg/L 2019-06-20 Boron, total 0.0071 0.0050 mg/L 2019-06-20 Cadmium, total < 0.000010							
Barium, total 0.0059 0.0050 mg/L 2019-06-20 Boron, total 0.0071 0.0050 mg/L 2019-06-20 Cadmium, total < 0.000010							
Boron, total 0.0071 0.0050 mg/L 2019-06-20 Cadmium, total < 0.000010							
Cadmium, total < 0.000010 0.000010 mg/L 2019-06-20 Calcium, total 5.90 0.20 mg/L 2019-06-20 Chromium, total 0.00115 0.00050 mg/L 2019-06-20 Copper, total < 0.00040							
Calcium, total 5.90 0.20 mg/L 2019-06-20 Chromium, total 0.00115 0.00050 mg/L 2019-06-20 Copper, total < 0.00040							
Chromium, total 0.00115 0.00050 mg/L 2019-06-20 Copper, total < 0.00040			5.90				
Copper, total < 0.00040 0.00040 mg/L 2019-06-20 Iron, total < 0.010							
Iron, total < 0.010 0.010 mg/L 2019-06-20 Lead, total < 0.00020							
Lead, total < 0.00020 0.00020 mg/L 2019-06-20							
·							
	Magnesium, total		1.52			2019-06-20	



	ck Mountain Irrigation District neral Potability		WORK ORDER REPORTED	9061343 2019-06-2	1 17:31
Analyte	Result	RL	Units	Analyzed	Qualifier
Hadden Pond - Outlet	- Raw (9061343-02) Matrix: Water	Sampled: 2019-06-13 08:20, Co	ntinued		
Total Metals, Continued					
Manganese, total	0.00526	0.00020	mg/L	2019-06-20	
Potassium, total	0.44	0.10	mg/L	2019-06-20	
Selenium, total	< 0.00050	0.00050	mg/L	2019-06-20	
Sodium, total	4.35	0.10	mg/L	2019-06-20	
Uranium, total	0.000023	0.000020	mg/L	2019-06-20	
Zinc, total	< 0.0040	0.0040	mg/L	2019-06-20	
Booster #1 (9061343-0	03) Matrix: Water Sampled: 2019-0	6-13 08:00			
Anions					
Chloride	9.58	0.10	mg/L	2019-06-15	
Fluoride	< 0.10	0.10	mg/L	2019-06-15	
Nitrate (as N)	< 0.010	0.010	mg/L	2019-06-15	
Nitrite (as N)	< 0.010	0.010	mg/L	2019-06-15	
Sulfate	2.2	1.0	mg/L	2019-06-15	
Calculated Parameters					
Hardness, Total (as Ca	CO3) 20.9	0.500	mg/L	N/A	
Solids, Total Dissolved	32.3	1.00	mg/L	N/A	
General Parameters					
Alkalinity, Total (as CaC	(O3) 13.8	1.0	mg/L	2019-06-17	
Alkalinity, Phenolphthal	ein (as CaCO3) < 1.0	1.0	mg/L	2019-06-17	
Alkalinity, Bicarbonate (as CaCO3) 13.8	1.0	mg/L	2019-06-17	
Alkalinity, Carbonate (a	s CaCO3) < 1.0	1.0	mg/L	2019-06-17	
Alkalinity, Hydroxide (as	s CaCO3) < 1.0	1.0	mg/L	2019-06-17	
Conductivity (EC)	63.9	2.0	μS/cm	2019-06-17	
Cyanide, Total	< 0.0020	0.0020	mg/L	2019-06-14	
pН	7.16	0.10	pH units	2019-06-17	HT2
Turbidity	0.31	0.10	NTU	2019-06-13	
Microbiological Parame	ters				
Coliforms, Total	< 1	1	CFU/100 mL	2019-06-13	
E. coli	< 1		CFU/100 mL	2019-06-13	
Total Metals					
Aluminum, total	0.169	0.0050	mg/L	2019-06-20	
Antimony, total	< 0.00020	0.00020	mg/L	2019-06-20	
Arsenic, total	< 0.00050	0.00050	mg/L	2019-06-20	
Barium, total	0.0059	0.0050		2019-06-20	
Boron, total	0.0059	0.0050		2019-06-20	
Cadmium, total	< 0.000010	0.000010		2019-06-20	
Calcium, total	5.87		mg/L	2019-06-20	



REPORTED TO Black Mountain Irrigation District

PROJECT General Potability

WORK ORDER REPORTED

9061343

D 2019-06-21 17:31

Analyte	Result	RL I	Units	Analyzed	Qualifier
Booster #1 (9061343-03) Matrix	c: Water Sampled: 2019-06-13 08:00, Co	ntinued			

Chromium, total	0.00099	0.00050 mg/L	2019-06-20
Copper, total	0.00184	0.00040 mg/L	2019-06-20
Iron, total	0.037	0.010 mg/L	2019-06-20
Lead, total	< 0.00020	0.00020 mg/L	2019-06-20
Magnesium, total	1.50	0.010 mg/L	2019-06-20
Manganese, total	0.00438	0.00020 mg/L	2019-06-20
Potassium, total	0.44	0.10 mg/L	2019-06-20
Selenium, total	< 0.00050	0.00050 mg/L	2019-06-20
Sodium, total	4.34	0.10 mg/L	2019-06-20
Uranium, total	0.000026	0.000020 mg/L	2019-06-20
Zinc, total	< 0.0040	0.0040 mg/L	2019-06-20

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 Black Mountain Irrigation District

PROJECT General Potability

WORK ORDER

9061343

REPORTED 2019-06-21 17:31

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 B (2017)	Membrane Filtration / m-Endo Agar	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 9222 G (2017)	Membrane Filtration / Nutrient Agar with MUG	Kelowna
Hardness in Water	SM 2340 B* (2017)	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Est)	N/A
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

> Greater than the specified Result
CFU/100 mL Colony Forming Units per 100 millilitres

mg/L Milligrams per litre

NTU Nephelometric Turbidity Units pH units pH < 7 = acidic, ph > 7 = basic μ S/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

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. 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:acrump@caro.ca