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# KEY TREATED DRINKING WATER PARAMETERS 2022

CANADIE LOCAT	FIONI, ENTERING	THE DISTRIBUTION	NI CVCTERA
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Treated Water Parameter	Units	Drinking Water		
		Annual Average	Guidelines for Canadian Drinking Water Quality (2022)	
GENERAL WATER CHEMISTRY				
Colour	TCU	1	≤15	
рН		8.06	6.5 – 8.5	
Turbidity	NTU	0.06	<5	
Chlorine Residual	mg/L	2.13	≥0.1 and ≤ 3.0	
INORGANIC PARAMETERS				
Aluminum	mg/L	0.11	2.9	
Arsenic	mg/L	<0.001	0.010	
Barium	mg/L	0.10	2.0	
Cadmium	mg/L	<0.00016	0.007	
Calcium	mg/L	54.4	No limit	
Chromium	mg/L	<0.0005	0.05	
Copper	mg/L	0.002	2.0	
Iron	mg/L	<0.1	≤0.3	
Lead	mg/L	<0.0001	0.005	
Magnesium	mg/L	17.1	No limit	
Manganese	mg/L	0.008	0.12	
Mercury	mg/L	0.000026	<0.001	
Nitrate	mg/L	1.05	45	
Nitrite	mg/L	0.14	3	
Potassium	mg/L	2.0	No limit	
Sodium	mg/L	17.6	≤200	
Sulfate	mg/L	63.7	≤500	
Zinc	mg/L	<0.004	≤5.0	
Fluoride	mg/L	0.63	(AEP: ≥0.6 and ≤ 0.8) (CDWQ MAC : 1.5mg/L)	
Hardness (as CaCO₃)	mg/L	206.2	No limit	
Total Dissolved Solids	mg/L	266.7	≤500	
Total (5) Haloacetic Acids	mg/L	0.024	0.08 (yearly running average)	
Chlorate	mg/L	0.10	1	
Chlorite	mg/L	<0.10	1	
Total Trihalomethanes	mg/L	0.026	0.1	

### SAMPLE LOCATION: VARIOUS LOCATIONS WITHIN THE DISTRIBUTION SYSTEM

Treated Water Parameter	Units	Drinking Water Annual Average	Limit as defined by AEP
INORGANIC PARAMETERS			
Turbidity	NTU	0.49	<5
Chlorine Residual	mg/L	1.75	≥0.1 and ≤ 3.0

## MICROBIOLOGICAL

Parameter	Samples Collected	Samples Tested	Neg	Pos	% Pos
Total Coliform	1372	1363	1361	2	0.15

NOTE: A positive is thoroughly investigated and corrective actions employed where possible; typically this indicates an issue with the sample rather than contamination within the Distribution System.

## SAMPLE LOCATION: SAMPLED WITH-IN DISTRIBUTION SYSTEM (AT LONGEST DETENTION TIME)

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Treated Water Parameter	Units	Drinking Water Annual Average	Guideline Guidelines for Canadian Drinking Water Quality (2022)
DISINFECTION BY PRODUCTS			
Total Trihalomethanes	mg/L	0.032	0.1
Total (5) Haloacetic Acids	mg/L	0.03	0.08 (yearly running average)