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KEY TREATED DRINKING WATER PARAMETERS

SAMPLE LOCATION: ENTERING THE DISTRIBUTION SYSTEM

Treated Water Parameter	Units	Drinking Water	Limit / Guideline			
		Annual Range / Ave.	as defined by Alberta Environment Sustainable Resource and Development and / or the Guidelines for Canadian Drinking Water Quality			
GENERAL WATER CHEMISTRY			5 · · · · · · · · · · · · · · · · · · ·			
Colour	TCU	<2.0	≤15			
рН		7.38 – 8.34	6.5 – 8.5			
Turbidity	NTU	0.02 - 0.59				
Chlorine Residual	mg/L	1.76 – 2.57	≥0.5 and ≤ 3.0			
INORGANIC PARAMETERS						
Aluminum	mg/L	0.088	<0.1			
Arsenic	mg/L	0.0005	0.010			
Barium	mg/L	0.160	1.0			
Cadmium	mg/L	0.00005	0.005			
Calcium	mg/L	51.4	No limit			
Chromium	mg/L	0.005	0.05			
Copper	mg/L	0.001	≤1.0			
Iron	mg/L	0.02	≤0.3			
Lead	mg/L	0.0003	0.010			
Magnesium	mg/L	16.2	No limit			
Manganese	mg/L	0.004	≤0.05			
Mercury	mg/L	0.0001	<0.001			
Nitrate-N	mg/L	0.144	10			
Nitrite-N	mg/L	0.05	1.0			
Potassium	mg/L	2.4	No limit			
Sodium	mg/L	18.1	≤200			
Sulfate	mg/L	59.5	≤500			
Zinc	mg/L	0.004	≤5.0			
Fluoride	mg/L	*0.581 - 0.849	(AESRD: ≥0.6 and ≤ 1.0) (CDWQ MAC : 1.5mg/L)			
		(Ave. 0.697)				
Hardness (as CaCO ₃)	mg/L	192	No limit			
Total Dissolved Solids	mg/L	260	≤500			
Total (5) Haloacetic Acids	mg/L	0.0249 - 0.0523	0.08 (yearly running average)			
al Minimum and Maximum while drinking water was being fluoridated.						

 $[\]ensuremath{^{*}}$ Annual Minimum and Maximum while drinking water was being fluoridated.

SAMPLE LOCATION: VARIOUS LOCATIONS WITHIN THE DISTRIBUTION SYSTEM

Treated Water Parame	ter Units	Drinking Water	Limit as defined by Alberta Environment and Water		
		Annual Ave. Range			
NORGANIC PARAMETER	S				
Turbidity	NTU	0.03 - 2.33		<5	
Chlorine Residual	mg/L	0.52 - 2.58	≥0.5 and ≤ 3.0		
MICROBIOLOGICAL					
Parameter	Samples Collected	Samples Tested	Neg	Pos	% Pos
Total Coliform	1327	1316	1316	0	0

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

SAMI LE LOCATION. SA	NIVII EED VVII	11 114 213 11(12011	ON STSTEIN (AT LONGEST DETERMION TIME)
Treated Water Parameter	reated Water Parameter Units Ave		Guideline
			Guidelines for Canadian Drinking Water Quality
DISINFECTION BY PRODUCTS			
Total Trihalomethanes	mg/L	0.0387	0.1
Total (5) Haloacetic Acids	mg/L	0.0393	0.08 (yearly running average)