



CITY OF FORT ST. JOHN
TREATED WATER ANALYSIS
2026



SAMPLED FROM WATER TREATMENT PLANT

PARAMETER	UNITS	R.D.L.	GUIDELINE	ANALYSIS RESULTS			AVERAGE
				23-Mar			
Calculated Parameters							
Hardness (CaCO3)	mg/L	0.5	<500	155			155
Dissolved Nitrate (N)	mg/L	0.01	MAC 10	0.046			0.046
Dissolved Nitrite (N)	mg/L	0.033	MAC 1	<0.005			<0.005
Misc. Inorganics							
Conductivity	uS/cm	2	N/A	320			320
pH	pH	N/A	7.0-10.5	7.71			8
Total Dissolved Solids	mg/L	10	AO ≤500	180			180
Anions							
Alkalinity (PP as CaCO3)	mg/L	1	N/A	<1.0			<1.0
Alkalinity (Total as CaCO3)	mg/L	1	N/A	140			140
Bicarbonate (HCO3)	mg/L	1	N/A	160			160
Carbonate (CO3)	mg/L	1	N/A	<1.0			<1.0
Hydroxide (OH)	mg/L	1	N/A	<1.0			<1.0
Dissolved Chloride (Cl)	mg/L	1	AO ≤250	1.8			1.80
Dissolved Fluoride (F)	mg/L	0.05	MAC 1.5	0.61			0.61
Dissolved Sulphate (SO4)	mg/L	1	N/A	31			31
Microbiological Param.							
E.Coli DST	MPN/100mL	1	<1	0			0
Total Coliforms DST	MPN/100mL	1	<1	0			0
Nutrients							
Dissolved Nitrate plus Nitrite (N)	mg/L	0.02		0.046			0.046
Physical Properties							
True Colour	Col. units	2	AO≤15	<2.0			<2.0
Turbidity	NTU	0.1	≤0.3	<0.10			<1.0
Elements							
Total Mercury (Hg)	ug/L	0.0019		<.0019			<0.0019
Total Aluminum (Al)	ug/L	3.0	MAC 2900	<3.0			<3.0
Total Antimony (Sb)	ug/L	0.50	MAC 6	<.50			<0.50
Total Arsenic (As)	ug/L	0.10	MAC 10	0.11			0.11
Total Barium (Ba)	ug/L	1.0	MAC 2000	77			77.0
Total Boron (B)	ug/L	50.0	MAC 5000	<50			<50
Total Cadmium (Cd)	ug/L	0.010	MAC 7	<0.010			<0.010
Total Chromium (Cr)	ug/L	1.0	MAC 50	<1.0			<1.0
Total Cobalt (Co)	ug/L	<0.20		<0.20			<0.20
Total Copper (Cu)	ug/L	5.11	MAC 2000	4.95			5.0
Total Iron (Fe)	ug/L	5.0	AO ≤300	<5.0			<5.0
Total Lead (Pb)	ug/L	0.20	MAC 5	<0.20			<0.20
Total Manganese (Mn)	ug/L	1.0	MAC 120	<1.0			<1.0
Total Molybdenum (Mo)	ug/L	1.0		<1.0			<1.0
Total Nickel (Ni)	ug/L	1.0		<1.0			<1.0
Total Selenium (Se)	ug/L	0.10	MAC 50	0.53			0.53
Total Silicon (Si)	ug/L	100.0		2410			2410
Total Silver (Ag)	ug/L	0.020		<0.020			<0.020
Total Strontium (Sr)	ug/L	1.0	MAC 7000	154			154
Total Sulphur (S)	ug/L	3.0		10.3			10.3
Total Uranium (U)	ug/L	0.10	MAC 20	0.6			0.60
Total Vanadium (V)	ug/L	5.0		<5.0			,5.0
Total Zinc (Zn)	ug/L	5.0	AO≤5000	<5.0			<5.0
Total Calcium (Ca)	mg/L	0.05		46.1			46.1
Total Magnesium (Mg)	mg/L	0.050		9.56			9.6
Total Potassium (K)	mg/L	0.050		0.691			0.691
Total Sodium (Na)	mg/L	0.050	AO≤200	3.75			3.75

MAC = Maximun Allowable Concentration

RDL = Reportable Detection Limit

AO = Aesthetic Objective

OG = Operational Guidance Value

ALARA = As low as reasonably achievable

Testing prepared by Bureau Veritas Laboratories.