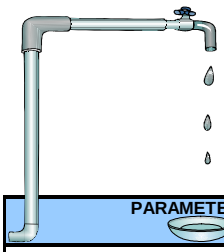

CITY OF FORT ST. JOHN
TREATED WATER ANALYSIS
2013

SAMPLED FROM WATER TREATMENT PLANT

PARAMETER	UNITS	M.D.L.	GUIDELINE	ANALYSIS RESULTS		AVERAGE
				9-Jan	8-Aug	
Conductivity	uS/cm	2	N/A	297	355	326
Hardness (as CaCO3)	mg/L	0.5	<500	164	190	177
pH	pH	0.1	AO 6.5 - 8.5	7.85	7.92	7.89
Total Dissolved Solids	mg/L	10	AO ≤500	185	208	197
Anion Sum	meq/L	-	N/A	3.49	3.88	3.69
Cation Sum	meq/L	-	N/A	3.44	3.96	3.70
Cation - Anion Balance	%	-	N/A	-0.8	1	0.1
Alkalinity, Bicarbonate (as CaCO3)	mg/L	2	N/A	140	156	148
Alkalinity, Carbonate (as CaCO3)	mg/L	2	N/A	<2.0	<2.0	<2.0
Alkalinity, Hydroxide (as CaCO3)	mg/L	2	N/A	<2.0	<2.0	<2.0
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	2	N/A	<2.0	<2.0	<2.0
Alkalinity, Total (as CaCO3)	mg/L	2.00	N/A	140	156	148
Bromide (Br)	mg/L	0.05	N/A	<0.050	<0.050	<0.050
Chloride (Cl)	mg/L	0.5	AO ≤250	1.7	1.42	1.56
Fluoride (F)	mg/L	0.02	MAC 1.50	0.969	0.833	0.901
Nitrate (as N)	mg/L	0.005	MAC 45	0.0427	0.0284	0.0356
Nitrite (as N)	mg/L	0.001	MAC 3.2	<0.0010	<0.0010	<0.0010
Silicate (as SIO2)	mg/L	1.00	N/A	5.38	5.81	5.60
Sulfate (SO4)	mg/L	0.5	AO ≤500	28.4	32.5	30.5
Cyanide, Total	mg/L	0.005	MAC 0.20	<0.0050	<0.0050	<0.0050
E. coli	MPN/100mL	1	MAC 0.00	<1	<1	<1
Coliform Bacteria - Total	MPN/100mL	1	MAC 0.00	<1	<1	<1
Aluminum (Al)-Total	mg/L	0.01	AO 0.100	<0.010	<0.010	<0.010
Antimony (Sb)-Total	mg/L	0.0005	MAC 0.100	<0.00050	<0.00050	<0.00050
Arsenic (As)-Total	mg/L	0.001	MAC 0.010	<0.0010	<0.0010	<0.0010
Barium (Ba)-Total	mg/L	0.02	MAC 1.00	0.0850	0.114	0.100
Beryllium (Be)-Total	mg/L	0.00	N/A	<0.0010	<0.0010	<0.0010
Bismuth (Bi)-Total	mg/L	0.001	N/A	<0.0010	<0.0010	<0.0010
Boron (B)-Total	mg/L	0.1	MAC 5.00	<0.10	<0.10	<0.10
Cadmium (Cd)-Total	mg/L	0.0002	MAC 0.005	<0.00020	<0.00020	<0.00020
Calcium (Ca)-Total	mg/L	0.1	200	49.5	58.4	54.0
Chromium (Cr)-Total	mg/L	0.002	MAC 0.05	<0.0020	<0.0020	<0.0020
Cobalt (Co)-Total	mg/L	0.001	N/A	<0.0010	<0.0010	<0.0010
Copper (Cu)-Total	mg/L	0.001	AO ≤1.00	0.0079	0.0083	0.0081
Iron (Fe)-Total	mg/L	0.03	AO ≤0.30	<0.030	<0.030	<0.030
Lead (Pb)-Total	mg/L	0.001	MAC 0.010	<0.0010	<0.0010	<0.0010
Lithium (Li)-Total	mg/L	0.01	N/A	<0.010	<0.010	<0.010
Magnesium (Mg)-Total	mg/L	0.1	N/A	9.7	10.7	10.2
Manganese (Mn)-Total	mg/L	0.002	AO ≤0.05	<0.0020	<0.0020	<0.0020
Mercury (Hg)-Total	mg/L	0.0002	MAC 0.001	<0.00020	<0.00020	<0.00020
Molybdenum (Mo)-Total	mg/L	0.001	MAC 0.25	0.0011	0.0011	0.0011
Nickel (Ni)-Total	mg/L	0.001	N/A	<0.0010	<0.0010	<0.0010
Phosphorus (P)-Total	mg/L	0.3	MAC 0.010	<0.30	<0.30	<0.30
Potassium (K)-Total	mg/L	2	N/A	<2.0	<2.0	<2.0
Selenium (Se)-Total	mg/L	0.001	MAC 0.010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Total	mg/L	0.05	N/A	2.47	2.85	2.7
Silver (Ag)-Total	mg/L	0.0001	MAC 0.050	<0.00010	<0.00010	<0.00010
Sodium (Na)-Total	mg/L	2	AO ≤200	3.9	3.7	3.8
Strontium (Sr)-Total	mg/L	0.001	N/A	0.156	0.182	0.169
Sulfur (S)-Total	mg/L	0.5	N/A	9.09	11.2	10.1
Thallium (Tl)-Total	mg/L	0.001	N/A	<0.0010	<0.0010	<0.0010
Tin (Sn)-Total	mg/L	0.001	N/A	<0.0010	<0.0010	<0.0010
Titanium (Ti)-Total	mg/L	0.01	N/A	<0.010	<0.010	<0.010
Uranium (U)-Total	mg/L	0.0001	MAC 0.02	0.00063	0.00085	0.00074
Vanadium (V)-Total	mg/L	0.005	N/A	<0.0050	<0.0050	<0.0050
Zinc (Zn)-Total	mg/L	0.05	AO ≤5.0	<0.050	<0.050	<0.050
Color, True	CU		5.00			

MAC = Maximun Allowable Concentration
MDL = Method Detection Limit / Lowest Detectable Concentration
AO = Aesthetic Objective

Testing prepared by ALS Laboratories.