

General Method	Analyte	Units	MRL	Standard (CDWQG)	Church Road WTP Effluent 8-Jul-25	Drew Road WTP Effluent 8-Jul-25	Bouman Place Service 8-Jul-25	SYSTEM AVERAGE
Anions	Chloride	mg/L	0.1	AO<=250	54.4	17.3	54.5	42.1
Anions	Fluoride	mg/L	0.1	MAC=1.5	< 0.10	< 0.10	< 0.10	0.10
Anions	Nitrate+Nitrite (as N)	mg/L	0.005	N/A	1.54	0.012	1.44	0.997
Anions	Nitrate (as N)	mg/L	0.01	MAC=10	1.54	0.012	1.44	0.997
Anions	Nitrite (as N)	mg/L	0.01	MAC=1	< 0.010	< 0.010	< 0.010	< 0.010
Anions	Sulfate	mg/L	1	AO<=500	5.8	43.3	5.4	18.2
Calculated Parameters	Langelier Index	-	-5	N/A				
Calculated Parameters	Hydrogen Sulfide, total	mg/L	0.01	N/A	< 0.010	< 0.010	< 0.010	< 0.010
Calculated Parameters	Hardness, Total (as CaCO3)	mg/L	0.5	None Required	236	161	238	212
Calculated Parameters	Nitrogen, Total	mg/L	0.05	N/A	1.670	0.104	1.600	1.125
General Parameters	Temperature, at pH	°C		N/A	19.9	20.1	20.1	20.0
General Parameters	Colour, True	CU	5	AO<=15	< 5.0	< 5.0	< 5.0	< 5.0
General Parameters	Alkalinity, Total (as CaCO3)	mg/L	1	N/A	162	138	161	154
General Parameters	Alkalinity, Phenolphthalein (as CaCO3)	mg/L	1	N/A	< 1.0	< 1.0	< 1.0	< 1.0
General Parameters	Alkalinity, Bicarbonate (as CaCO3)	mg/L	1	N/A	162	138	161	154
General Parameters	Alkalinity, Carbonate (as CaCO3)	mg/L	1	N/A	< 1.0	< 1.0	< 1.0	< 1.0
General Parameters	Alkalinity, Hydroxide (as CaCO3)	mg/L	1	N/A	< 1.0	< 1.0	< 1.0	< 1.0
General Parameters	Ammonia, Total (as N)	mg/L	0.05	None Required	< 0.050	< 0.050	< 0.050	< 0.050
General Parameters	Carbon, Total Organic	mg/L	0.5	N/A	0.91	1.78	1.10	1.26
General Parameters	Cyanide, Total	mg/L	0.002	MAC=0.2				
General Parameters	Nitrogen, Total Kjeldahl	mg/L	0.05	N/A	0.135	0.092	0.160	0.129
General Parameters	Solids, Total Dissolved	mg/L	15	AO<=500	312	282	345	313
General Parameters	Sulfide, Total	mg/L	0.02	AO<=0.05	< 0.020	< 0.020	< 0.020	< 0.020
General Parameters	Turbidity	NTU	0.1	OG<1	0.31	0.17	1.40	0.63
General Parameters	pH	pH units	0.1	7.0-10.5	7.33	7.81	7.39	7.51
General Parameters	Conductivity (EC)	uS/cm	2	N/A	528	416	529	491
Total Metals	Aluminum, total	mg/L	0.005	OG<0.1	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Metals	Antimony, total	mg/L	0.0002	MAC=0.006	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Total Metals	Arsenic, total	mg/L	0.0005	MAC=0.01	< 0.00050	0.00057	< 0.00050	0.00052
Total Metals	Barium, total	mg/L	0.005	MAC=2	0.0219	0.0078	0.0217	0.0171
Total Metals	Beryllium, total	mg/L	0.0001	N/A	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Metals	Bismuth, total	mg/L	0.0001	N/A	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Metals	Boron, total	mg/L	0.05	MAC=5	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Total Metals	Cadmium, total	mg/L	0.00001	MAC=0.007	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Total Metals	Calcium, total	mg/L	0.2	None Required	54.3	37.4	54.6	48.8
Total Metals	Chromium, total	mg/L	0.0005	MAC=0.05	0.0012	< 0.00050	0.00127	0.00099
Total Metals	Cobalt, total	mg/L	0.0001	N/A	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Metals	Copper, total	mg/L	0.0004	MAC=2	0.01200	0.00150	0.05650	0.02333
Total Metals	Iron, total	mg/L	0.01	AO<=0.3	0.012	< 0.010	< 0.010	0.011
Total Metals	Lead, total	mg/L	0.0002	MAC=0.005	< 0.00020	< 0.00020	0.00127	0.00056
Total Metals	Lithium, total	mg/L	0.0001	N/A	0.00090	0.00034	0.00091	0.00072
Total Metals	Magnesium, total	mg/L	0.01	None Required	24.4	16.5	24.6	21.8
Total Metals	Manganese, total	mg/L	0.0002	MAC=0.12	0.00677	0.00058	0.00399	0.00378
Total Metals	Mercury, total	mg/L	0.00001	MAC=0.001	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Total Metals	Molybdenum, total	mg/L	0.0001	N/A	< 0.00010	0.00067	< 0.00010	0.00029
Total Metals	Nickel, total	mg/L	0.0004	N/A	< 0.00040	< 0.00040	< 0.00040	< 0.00040
Total Metals	Phosphorus, total	mg/L	0.05	N/A	< 0.050	0.405	< 0.050	0.168
Total Metals	Potassium, total	mg/L	0.1	N/A	1.07	3.08	1.09	1.75
Total Metals	Selenium, total	mg/L	0.0005	MAC=0.05	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Total Metals	Silicon, total	mg/L	1	N/A	15.8	15.1	16.0	15.6
Total Metals	Silver, total	mg/L	0.00005	None Required	< 0.000050	< 0.000050	< 0.000050	< 0.000050
Total Metals	Sodium, total	mg/L	0.1	AO<=200	17.3	26.2	17.6	20.4
Total Metals	Strontium, total	mg/L	0.001	MAC=7	0.182	0.141	0.184	0.169
Total Metals	Sulfur, total	mg/L	3	N/A	< 3.0	14.7	< 3.0	6.9
Total Metals	Tellurium, total	mg/L	0.0005	N/A	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Total Metals	Thallium, total	mg/L	0.00002	N/A	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Total Metals	Thorium, total	mg/L	0.0001	N/A	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Metals	Tin, total	mg/L	0.0002	N/A	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Total Metals	Titanium, total	mg/L	0.005	N/A	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Metals	Tungsten, total	mg/L	0.001	N/A	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Total Metals	Uranium, total	mg/L	0.00002	MAC=0.02	0.000375	0.000020	0.000384	0.000260
Total Metals	Vanadium, total	mg/L	0.005	N/A	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Metals	Zinc, total	mg/L	0.004	AO<=5	0.0086	< 0.0040	0.0376	0.0167
Total Metals	Zirconium, total	mg/L	0.0001	N/A	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Microbiological Parameters	Coliforms, Total (Q-Tray)	MPN/100 mL	1	MAC = 0			< 1	1
Microbiological Parameters	Heterotrophic Plate Count (Q-Tray)	MPN/100 mL	1	N/A			1600	1600
Microbiological Parameters	E. coli (Q-Tray)	MPN/100 mL	1	MAC = 0			< 1	1

MRL - Minimum Reportable Limit
CDWQG - Guidelines for Canadian Drinking Water Quality (Health Canada, JULY 2024)
MAC - Maximum Allowable Concentration
AO - Aesthetic Objective
N/A - Not Applicable
MRL - Minimum Reportable Limit
STD - Standard

