

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration
AO= Asthetic Objective.



Red font indicates non-compliance with Canadian Drinking Water Guidelines

	Units	CDWG		November 5 2014	October 27 2015	October 26 2016	September 20 2017	November 6 2018	October 17 2019
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.11	0.084	0.088	0.082	0.089	0.054
Alkalinity (total as CaCO ₃)	mg/L			158	143	148	139	147	140
Anions									
Dissolved Sulphate	mg/L	500	AO	18.6	13.3	14.2	17.5	15.8	22
Dissolved Chloride	mg/L	250	AO	5.4	13	9	23	11	19
Nitrite	mg/L	1	MAC	0.13	<0.0050	<0.0050	<0.0050	<0.0050	<0.005
Miscellaneous									
Apparent Colour	Colour Unit			8	10	5	10	5	5
Nutrients									
Total Ammonia	mg/L			0.07	0.093	0.13	0.092	0.086	0.18
Physical Properties									
Conductivity	µS/cm			335	341	343	366	344	380
pH	pH	7.0:10.5	AO	8	8.17	8.2	8.29	8.07	8.08
TDS	mg/L	500	AO	236	208	196	198	180	230
Turbidity	NTU			<0.5	<0.10	0.11	0.19	0.11	<0.1
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	0
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			150	134	142	140	142	138
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	<0.02
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	0.000027
Total Metals									
Total Aluminum	mg/L	0.1	OG	<0.005	<0.003	<0.003	<0.003	<0.003	<0.003
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00297	0.00281	0.003	0.00273	0.00268	0.00232
Total Barium	mg/L	1	MAC	0.0172	0.016	0.0158	0.0162	0.0171	0.0172
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.047	<0.05	<0.050	<0.050	<0.050	0.055
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.0018	0.00247	0.00196	0.00024	0.00271	0.00034
Total Iron	mg/L	0.3	AO	0.016	0.0088	0.011	0.0117	0.011	0.0198
Total Lead	mg/L	0.01	MAC	0.0006	<0.0002	<0.0002	<0.0002	0.00043	<0.0002
Total Manganese	mg/L	0.05	AO	0.129	0.113	0.110	0.115	0.118	0.123
Total Molybdenum	mg/L			0.00109	<0.001	0.0011	<0.001	0.0011	<0.001
Total Nickel	mg/L			0.0004	<0.001	<0.001	<0.001	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Silicon	mg/L			10.6	10.4	10.2	11.7	10.4	9.64
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.122	0.114	0.111	0.116	0.124	0.119
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	0.00026	0.00019	0.00022	0.00014	0.00018	0.00017
Total Vanadium	mg/L			0.0004	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	0.0079	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			38.3	33.7	36.6	36.1	36.9	36.8
Total Magnesium	mg/L			13	12.1	12.3	12.1	12.1	11.3
Total Potassium	mg/L			1.5	1.35	1.26	1.36	1.39	1.38
Total Sodium	mg/L	200	AO	19.4	17.2	18	18.4	17.8	18.7
Total Sulphur	mg/L				6.1	4.9	5.7	5.3	5.4

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	Units	CDWG		November 5 2014	October 26 2015	October 26 2016	September 21 2017	November 6 2018	
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.11	0.16	0.14	0.16	0.16	
Alkalinity (total as CaCO ₃)	mg/L			144	146	152	158	151	
Anions									
Dissolved Sulphate	mg/L	500	AO	9.4	9.38	11.8	13.3	12.9	
Dissolved Chloride	mg/L	250	AO	10.7	10	10	10	9.8	
Nitrite	mg/L	1	MAC	0.13	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			27	30	20	20	15	
Nutrients									
Total Ammonia	mg/L			1.28	1.3	1.4	1.3	1.3	
Physical Properties									
Conductivity	µS/cm			332	331	343	345	346	
pH	pH	7.0:10.5	AO	8	8.29	8.13	8.23	8.11	
TDS	mg/L	500	AO	208	208	204	196	188	
Turbidity	NTU			1.4	1	1.04	1.18	1.15	
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			120	122	120	125	128	
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	<0.005	<0.003	<0.003	<0.003	0.0062	
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	0.00167	0.0018	0.00174	0.00156	0.00166	
Total Barium	mg/L	1	MAC	0.0106	0.0103	0.0109	0.0104	0.0102	
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.064	0.061	0.059	0.070	0.063	
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.001	<0.001	<0.001	<0.001	
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.0007	0.00077	0.00022	<0.0002	0.00038	
Total Iron	mg/L	0.3	AO	0.656	0.647	0.632	0.659	0.649	
Total Lead	mg/L	0.01	MAC	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	
Total Manganese	mg/L	0.05	AO	0.275	0.265	0.275	0.278	0.282	
Total Molybdenum	mg/L			0.00028	<0.001	<0.001	<0.001	<0.001	
Total Nickel	mg/L			0.0003	<0.001	<0.001	<0.001	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Silicon	mg/L			15.3	17	15.5	15.9	15.3	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.105	0.0971	0.108	0.105	0.11	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			0.0012	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			0.0006	<0.005	<0.005	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Vanadium	mg/L			0.0005	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.018	<0.005	0.025	<0.005	0.0055	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			30.8	30.4	29.5	30.1	31.3	
Total Magnesium	mg/L			11.3	11.2	11.3	12.1	12.1	
Total Potassium	mg/L			2.6	2.5	2.44	2.71	2.43	
Total Sodium	mg/L	200	AO	22.9	22.4	20.2	21.6	21.6	
Total Sulphur	mg/L				<3.0	4	5.3	4.3	

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Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.14	0.19	0.19	0.19	0.19	
Alkalinity (total as CaCO ₃)	mg/L			146	147	144	153	145	
Anions									
Dissolved Sulphate	mg/L	500	AO	10	10.4	12.4	14.6	14.1	
Dissolved Chloride	mg/L	250	AO	13.1	14	13	13	12	
Nitrite	mg/L	1	MAC	0.11	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			24	20	20	20	20	
Nutrients									
Total Ammonia	mg/L			1.53	1.7	1.7	1.6	1.5	
Physical Properties									
Conductivity	µS/cm			341	347	349	343	341	
pH	pH	7.0:10.5	AO	7.9	8.3	8.09	8.22	8.13	
TDS	mg/L	500	AO	224	214	196	206	174	
Turbidity	NTU			1.1	0.57	0.68	0.64	0.71	
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			110	105	110	112	109	
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.0020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	<0.005	<0.003	<0.003	<0.003	0.0032	
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	0.00124	0.00111	0.00121	0.00146	0.00127	
Total Barium	mg/L	1	MAC	0.00891	0.0077	0.0077	0.0073	0.0074	
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.085	0.085	0.079	0.088	0.084	
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.001	<0.001	<0.001	<0.001	
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.0007	0.00036	0.00042	0.00115	0.00057	
Total Iron	mg/L	0.3	AO	0.581	0.558	0.576	0.513	0.56	
Total Lead	mg/L	0.01	MAC	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	
Total Manganese	mg/L	0.05	AO	0.319	0.281	0.282	0.292	0.295	
Total Molybdenum	mg/L			0.00015	<0.001	<0.001	<0.001	<0.001	
Total Nickel	mg/L			0.0002	<0.001	<0.001	<0.001	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Silicon	mg/L			16.4	17.9	15	17.9	16	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.111	0.0998	0.104	0.108	0.108	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			0.0007	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			0.0006	<0.005	<0.005	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Vanadium	mg/L			0.0008	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0064	<0.005	<0.005	<0.005	<0.005	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			28.1	26.5	27.1	27.6	26.4	
Total Magnesium	mg/L			10.2	9.54	10.3	10.4	10.5	
Total Potassium	mg/L			3.1	2.86	2.61	2.99	2.79	
Total Sodium	mg/L	200	AO	31.4	30.3	29	28.5	28.8	
Total Sulphur	mg/L				3.6	4.5	5.8	4.8	

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Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.13	0.12	0.12	0.13	0.14	
Alkalinity (total as CaCO ₃)	mg/L			152	147	152	164	156	
Anions									
Dissolved Sulphate	mg/L	500	AO	11.3	9.08	11	13.6	11.3	
Dissolved Chloride	mg/L	250	AO	58	63	61	52	47	
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			27	30	30	20	20	
Nutrients									
Total Ammonia	mg/L			1.78	1.6	1.9	1.8	1.7	
Physical Properties									
Conductivity	µS/cm			505	525	512	488	477	
pH	pH	7.0:10.5	AO	7.9	8.28	8.14	8.23	8.06	
TDS	mg/L	500	AO	280	296	284	276	252	
Turbidity	NTU			1.5	0.93	1.11	1.02	0.77	
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			150	151	149	144	135	
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.005	<0.003	<0.003	<0.003	<0.0030	
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	0.00418	0.00406	0.00395	0.00379	0.0038	
Total Barium	mg/L	1	MAC	0.0103	0.0099	0.0095	0.0099	0.0091	
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.08	0.088	0.077	0.090	0.073	
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Total Chromium	mg/L	0.05	MAC	0.0009	<0.001	<0.001	<0.001	<0.001	
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.0015	0.00026	0.00035	<0.0002	0.00153	
Total Iron	mg/L	0.3	AO	0.566	0.572	0.561	0.556	0.513	
Total Lead	mg/L	0.01	MAC	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	
Total Manganese	mg/L	0.05	AO	0.253	0.243	0.231	0.230	0.225	
Total Molybdenum	mg/L			0.00027	<0.001	<0.001	<0.001	<0.001	
Total Nickel	mg/L			0.0007	<0.001	<0.001	<0.001	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Silicon	mg/L			15.1	17.4	14.5	16.8	14.8	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.237	0.227	0.221	0.224	0.218	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			<0.0001	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			0.0006	<0.005	<0.005	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Vanadium	mg/L			0.0009	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0091	<0.005	<0.005	<0.005	0.005	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			37.4	37.8	37.1	35.6	33.7	
Total Magnesium	mg/L			13.5	13.8	13.7	13.4	12.3	
Total Potassium	mg/L			3.9	3.79	3.31	3.7	3.45	
Total Sodium	mg/L	200	AO	45.4	45.7	42.2	39.5	37	
Total Sulphur	mg/L				4.1	4.1	6.6	3.8	

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Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.25	0.16	0.16	0.16	0.16	
Alkalinity (total as CaCO ₃)	mg/L			140	135	139	146	138	
Anions									
Dissolved Sulphate	mg/L	500	AO	3.3	3.67	4.49	6.5	6.4	
Dissolved Chloride	mg/L	250	AO	7	7.7	7.6	7.9	8	
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			21	20	20	20	15	
Nutrients									
Total Ammonia	mg/L			1.11	1.2	1.2	1.1	1.1	
Physical Properties									
Conductivity	µS/cm			293	296	303	296	300	
pH	pH	7.0:10.5	AO	7.9	8.22	8.09	8.23	8.08	
TDS	mg/L	500	AO	240	168	176	174	148	
Turbidity	NTU			0.9	0.56	1.06	1.14	0.61	
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			110	105	103	109	108	
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	<0.005	<0.003	0.013	<0.003	<0.003	
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	0.00043	0.00038	0.00041	0.0004	0.00034	
Total Barium	mg/L	1	MAC	0.006	0.0053	0.006	0.0057	0.006	
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.066	0.065	0.062	0.071	0.062	
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.001	<0.001	<0.001	<0.001	
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.0011	0.00051	0.0241	0.00215	<0.0005	
Total Iron	mg/L	0.3	AO	0.533	0.527	0.551	0.568	0.54	
Total Lead	mg/L	0.01	MAC	0.0003	<0.0002	0.00037	0.00032	<0.0002	
Total Manganese	mg/L	0.05	AO	0.209	0.2	0.203	0.196	0.203	
Total Molybdenum	mg/L			0.00022	<0.001	<0.001	<0.001	<0.001	
Total Nickel	mg/L			<0.0002	<0.001	<0.001	<0.001	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Silicon	mg/L			14.2	16	14.3	16.1	14.2	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.102	0.0929	0.102	0.101	0.106	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			<0.0001	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			0.0006	<0.005	<0.005	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Vanadium	mg/L			0.0007	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0076	<0.005	0.0134	0.0157	<0.005	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			27.6	26.9	25.8	28	27.5	
Total Magnesium	mg/L			9.53	9.2	9.41	9.46	9.57	
Total Potassium	mg/L			2.4	2.35	2.26	2.36	2.28	
Total Sodium	mg/L	200	AO	20.6	20.5	18.5	18.5	18.7	
Total Sulphur	mg/L				<3.0	<3.0	<3.0	<3.0	

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	Units	CDWG		October 26 2016*	September 21 2017				
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	1.4	1.6				
Alkalinity (total as CaCO ₃)	mg/L			143	155				
Anions									
Dissolved Sulphate	mg/L	500	AO	12.1	20.9				
Dissolved Chloride	mg/L	250	AO	5.1	18				
Nitrite	mg/L	1	MAC	<0.0050	<0.0050				
Miscellaneous									
Apparent Colour	Colour Unit			15	10				
Nutrients									
Total Ammonia	mg/L			0.31	0.21				
Physical Properties									
Conductivity	µS/cm			314	381				
pH	pH	6.5:8.5	AO	8.24	8.3				
TDS	mg/L	500	AO	182	204				
Turbidity	NTU			9.84	0.63				
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0				
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0				
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			82.7	97.6				
Nitrate	mg/L	10	MAC	<0.020	<0.020				
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001				
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.174	<0.003				
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005				
Total Arsenic	mg/L	0.01	MAC	0.00094	0.00096				
Total Barium	mg/L	1	MAC	0.139	0.166				
Total Beryllium	mg/L			<0.0001	<0.0001				
Total Bismuth	mg/L			<0.001	<0.001				
Total Boron	mg/L	5	MAC	0.327	0.444				
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001				
Total Chromium	mg/L	0.05	MAC	0.0015	<0.001				
Total Cobalt	mg/L			<0.0005	<0.0002				
Total Copper	mg/L	1	AO	0.00123	0.00022				
Total Iron	mg/L	0.3	AO	0.346	0.18				
Total Lead	mg/L	0.01	MAC	<0.0002	<0.0002				
Total Manganese	mg/L	0.05	AO	0.0173	0.0147				
Total Molybdenum	mg/L			0.0025	0.0022				
Total Nickel	mg/L			0.001	<0.001				
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001				
Total Silicon	mg/L			7.75	7.14				
Total Silver	mg/L			<0.00002	<0.00002				
Total Strontium	mg/L			0.465	0.546				
Total Thallium	mg/L			<0.00005	<0.00001				
Total Tin	mg/L			<0.005	<0.005				
Total Titanium	mg/L			0.007	<0.005				
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001				
Total Vanadium	mg/L			<0.005	<0.005				
Total Zinc	mg/L	5	AO	<0.005	<0.005				
Total Zirconium	mg/L			<0.0005	<0.0001				
Total Calcium	mg/L			23.5	27.2				
Total Magnesium	mg/L			5.82	7.2				
Total Potassium	mg/L			2.23	2.61				
Total Sodium	mg/L	200	AO	33	42.6				
Total Sulphur	mg/L			4.1	7.7				

CDWG=Canadian Drinking Water Guidelines
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AO= Asthetic Objective.



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	Units	CDWG		November 5 2014	October 27 2015	October 26 2016	September 20 2017	November 6 2018	
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.19	0.13	0.13	0.12	0.14	
Alkalinity (total as CaCO ₃)	mg/L			126	134	132	132	135	
Anions									
Dissolved Sulphate	mg/L	500	AO	6.1	6.29	6.38	6.4	6.3	
Dissolved Chloride	mg/L	250	AO	20.9	20	20	19	22	
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			9	10	15	10	10	
Nutrients									
Total Ammonia	mg/L			0.24	0.26	0.34	0.28	0.24	
Physical Properties									
Conductivity	µS/cm			325	335	334	322	327	
pH	pH	7.0:10.5	AO	8.4	8.32	8.35	8.33	8.23	
TDS	mg/L	500	AO	196	192	186	170	170	
Turbidity	NTU			<0.5	0.11	5.68	0.76	2.25	
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			40	38.5	42.7	43.4	40.9	
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.006	<0.003	0.203	0.0107	0.023	
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	0.00963	0.00886	0.00962	0.00912	0.00867	
Total Barium	mg/L	1	MAC	0.012	0.0112	0.0135	0.0111	0.0111	
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.16	0.16	0.165	0.147	0.156	
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.001	<0.001	<0.001	<0.001	
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.0004	0.00157	0.00104	0.00041	0.0012	
Total Iron	mg/L	0.3	AO	0.009	0.0128	0.219	0.0179	0.043	
Total Lead	mg/L	0.01	MAC	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	
Total Manganese	mg/L	0.05	AO	0.0241	0.0191	0.0257	0.0232	0.0208	
Total Molybdenum	mg/L			0.00362	0.0031	0.0038	0.003	0.0037	
Total Nickel	mg/L			0.0004	<0.001	<0.001	<0.001	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Silicon	mg/L			7.14	7.8	7.12	8.01	7.04	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.0781	0.0681	0.0751	0.0764	0.0784	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			<0.0001	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			<0.0005	<0.005	0.0138	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	0.00006	<0.0001	<0.0001	<0.0001	<0.0001	
Total Vanadium	mg/L			0.0004	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0076	<0.005	<0.005	<0.005	<0.005	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			11.1	10.4	11.4	11.8	11.1	
Total Magnesium	mg/L			3.08	3.06	3.46	3.41	3.19	
Total Potassium	mg/L			1.8	1.71	1.57	1.61	1.61	
Total Sodium	mg/L	200	AO	64.2	61.7	59.1	53.3	55.9	
Total Sulphur	mg/L				3.2	<3.0	<3.0	<3.0	

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	Units	CDWG		November 5 2014	October 27 2015	October 26 2016	September 20 2017	November 6 2018	October 17 2019
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.09	0.051	0.056	0.052	0.056	<0.05
Alkalinity (total as CaCO ₃)	mg/L			194	187	189	194	192	190
Anions									
Dissolved Sulphate	mg/L	500	AO	11.8	10.8	11.6	12.9	13.3	15
Dissolved Chloride	mg/L	250	AO	11	12	13	15	19	20
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.005
Miscellaneous									
Apparent Colour	Colour Unit			<5	5	<5.0	5	<5.0	5
Nutrients									
Total Ammonia	mg/L			<0.02	0.013	0.084	<0.020	<0.020	0.065
Physical Properties									
Conductivity	µS/cm			422	444	475	486	505	520
pH	pH	7.0:10.5	AO	7.9	8.19	8.16	8.38	8.06	8.17
TDS	mg/L	500	AO	252	246	260	270	276	320
Turbidity	NTU			<0.5	<0.10	0.12	<0.10	0.12	<0.10
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	0
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			210	217	232	229	243	234
Nitrate	mg/L	10	MAC	3.37	4.56	5.98	7.45	8.78	8.19
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	<0.000002
Total Metals									
Total Aluminum	mg/L	0.1	OG	<0.005	<0.003	0.003	<0.003	0.0049	<0.03
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00121	0.00122	0.00124	0.00115	0.00109	0.00102
Total Barium	mg/L	1	MAC	0.0114	0.0109	0.0114	0.0124	0.0129	0.0125
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.017	<0.05	<0.050	<0.050	<0.050	<0.05
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	0.0007	<0.001	<0.001	<0.001	<0.001	0.0012
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.0036	0.00464	0.00347	0.00449	0.00789	0.00299
Total Iron	mg/L	0.3	AO	0.014	0.006	0.006	<0.005	0.013	<0.005
Total Lead	mg/L	0.01	MAC	0.0003	0.00025	0.00041	0.00034	0.00071	0.00022
Total Manganese	mg/L	0.05	AO	<0.0010	0.0019	0.0013	<0.001	<0.001	<0.001
Total Molybdenum	mg/L			0.00023	<0.001	<0.001	<0.001	<0.001	<0.001
Total Nickel	mg/L			<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	0.0004	0.00034	0.00043	0.00042	0.00039	0.00044
Total Silicon	mg/L			9.84	10.6	10.1	11.6	10.4	10.2
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.119	0.121	0.12	0.132	0.141	0.133
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			0.0002	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	0.00013	0.00014	0.00015	0.00016	0.00015	0.00016
Total Vanadium	mg/L			0.0078	0.0076	0.0069	0.0071	0.0068	0.0061
Total Zinc	mg/L	5	AO	0.0066	<0.005	<0.005	<0.005	0.0071	<0.005
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			57.4	57.6	63.7	60.9	66.9	65.2
Total Magnesium	mg/L			15.7	17.8	17.6	18.8	18.4	17.3
Total Potassium	mg/L			0.8	0.853	0.768	0.881	0.873	0.85
Total Sodium	mg/L	200	AO	9.1	9.41	9.17	9.55	9.74	8.67
Total Sulphur	mg/L				5.2	3.9	4.3	3.9	4.5

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	Units	CDWG		November 5 2014	October 27 2015	October 26 2016	October 18 2017	Nov. 16 2018	
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.14	0.13	0.14	0.14	0.15	
Alkalinity (total as CaCO ₃)	mg/L			156	138	140	144	143	
Anions									
Dissolved Sulphate	mg/L	500	AO	0.7	10.8	9.1	7.8	6.9	
Dissolved Chloride	mg/L	250	AO	7.1	10	11	9.7	9.8	
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			47	20	15	15	10	
Nutrients									
Total Ammonia	mg/L			0.88	0.95	1	0.94	1	
Physical Properties									
Conductivity	µS/cm			315	322	325	319	310	
pH	pH	7.0:10.5	AO	7.9	8.18	8.2	8.28	8.08	
TDS	mg/L	500	AO	192	200	176	162	170	
Turbidity	NTU			3.8	0.35	0.77	0.55	0.45	
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	32.4	<1.0	<1.0	<1.0	<1.0	
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			140	128	133	129	135	
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.006	0.0034	<0.003	<0.003	0.0034	
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	0.00097	0.00049	0.00043	0.00037	0.00034	
Total Barium	mg/L	1	MAC	0.0163	0.0197	0.0177	0.019	0.0178	
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.051	0.056	0.058	0.053	0.068	
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.001	<0.001	<0.001	<0.001	
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.0015	0.0003	0.00028	<0.0002	<0.0002	
Total Iron	mg/L	0.3	AO	1.12	0.185	0.198	0.194	0.198	
Total Lead	mg/L	0.01	MAC	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	
Total Manganese	mg/L	0.05	AO	0.275	0.145	0.109	0.114	0.115	
Total Molybdenum	mg/L			0.00023	<0.001	<0.001	<0.001	<0.001	
Total Nickel	mg/L			0.0019	<0.001	<0.001	<0.001	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Silicon	mg/L			13.1	11.4	10.3	11	11.1	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.116	0.142	0.137	0.139	0.141	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			<0.0001	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			<0.0005	<0.005	<0.005	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	<0.00001	0.00015	<0.0001	<0.0001	<0.0001	
Total Vanadium	mg/L			0.0006	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0086	<0.005	<0.005	<0.005	0.0076	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			34.6	37.2	37.7	36.2	37.6	
Total Magnesium	mg/L			12.1	9.42	9.45	9.49	9.92	
Total Potassium	mg/L			2.3	2.47	2.32	2.57	2.58	
Total Sodium	mg/L	200	AO	19.7	13.7	14.5	14.3	15.3	
Total Sulphur	mg/L				5.5	3.5	<3.0	<3.0	

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	Units	CDWG		November 5 2014	October 27 2015	October 26 2016	October 18 2017	Nov. 16 2018	
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.19	0.12	0.13	0.13	0.13	
Alkalinity (total as CaCO ₃)	mg/L			140	162	160	166	166	
Anions									
Dissolved Sulphate	mg/L	500	AO	14	<0.50	<0.50	<1.0	<1.0	
Dissolved Chloride	mg/L	250	AO	10.4	7.2	7.7	7.8	8.4	
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			9	20	30	30	15	
Nutrients									
Total Ammonia	mg/L			0.94	1	1.1	0.95	0.96	
Physical Properties									
Conductivity	µS/cm			322	325	330	332	330	
pH	pH	7.0:10.5	AO	8.1	8.16	8.14	8.26	8.14	
TDS	mg/L	500	AO	188	196	188	174	192	
Turbidity	NTU			0.6	2.8	3.75	3.15	3.81	
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	<1.0	12.4	4.2	4.2	<1.0	
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			140	128	133	130	137	
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	<0.005	<0.003	<0.003	<0.003	<0.003	
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	0.0005	0.00122	0.00113	0.00116	0.00086	
Total Barium	mg/L	1	MAC	0.0191	0.0151	0.0149	0.0164	0.0155	
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.057	0.052	0.05	0.05	0.061	
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.001	<0.001	<0.001	<0.001	
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.0004	0.00202	0.00115	0.002	0.00055	
Total Iron	mg/L	0.3	AO	0.198	1.07	1.13	1.14	1.19	
Total Lead	mg/L	0.01	MAC	<0.0001	<0.0002	0.00035	0.00021	<0.0002	
Total Manganese	mg/L	0.05	AO	0.125	0.263	0.249	0.261	0.266	
Total Molybdenum	mg/L			0.00053	<0.001	<0.001	<0.001	<0.001	
Total Nickel	mg/L			0.0006	<0.001	<0.001	<0.001	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Silicon	mg/L			10.6	13	12.6	13.5	13.5	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.147	0.106	0.107	0.112	0.113	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			<0.0001	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			<0.0005	<0.005	<0.005	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	0.00001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Vanadium	mg/L			0.0004	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.009	0.0445	0.0182	0.0107	<0.005	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			39.1	31.7	33.2	32.5	34	
Total Magnesium	mg/L			12.1	11.7	12.1	12	12.7	
Total Potassium	mg/L			2.7	2.12	1.96	2.13	2.17	
Total Sodium	mg/L	200	AO	14.9	18.6	18.6	18.4	20.2	
Total Sulphur	mg/L				<3.0	<3.0	<3.0	<3.0	

CDWG=Canadian Drinking Water Guidelines
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	Units	CDWG		November 5 2014	October 27 2015	October 26 2016	October 18 2017	Nov. 16 2018	
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.22	0.17	0.18	0.17	0.18	
Alkalinity (total as CaCO ₃)	mg/L			158	161	158	164	161	
Anions									
Dissolved Sulphate	mg/L	500	AO	<0.5	<0.50	<0.50	<1.0	<1.0	
Dissolved Chloride	mg/L	250	AO	3.2	3.5	3.7	3.8	3.5	
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			28	15	15	30	15	
Nutrients									
Total Ammonia	mg/L			1.05	1.2	1.2	1.1	1.1	
Physical Properties									
Conductivity	µS/cm			310	311	313	314	308	
pH	pH	7.0:10.5	AO	7.9	8.2	8.1	8.26	8.15	
TDS	mg/L	500	AO	196	188	190	166	154	
Turbidity	NTU			1.9	1.3	1.68	1	1.35	
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			120	116	117	113	123	
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	<0.005	<0.003	<0.003	<0.003	0.0036	
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	0.00206	0.00216	0.00233	0.00247	0.00228	
Total Barium	mg/L	1	MAC	0.00847	0.0082	0.0082	0.0088	0.0084	
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.062	0.066	0.062	0.062	0.068	
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.001	<0.001	<0.001	<0.001	
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.0029	<0.0002	0.00175	0.00086	0.00122	
Total Iron	mg/L	0.3	AO	0.567	0.601	0.599	0.619	0.663	
Total Lead	mg/L	0.01	MAC	0.0003	<0.0002	0.00022	0.00025	<0.0002	
Total Manganese	mg/L	0.05	AO	0.235	0.243	0.231	0.242	0.251	
Total Molybdenum	mg/L			0.00062	<0.001	<0.001	<0.001	<0.001	
Total Nickel	mg/L			0.0003	<0.001	<0.001	<0.001	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Silicon	mg/L			15.3	16.5	15.2	15.4	16.3	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.0991	0.0995	0.100	0.104	0.106	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			0.0005	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			<0.0005	<0.005	<0.005	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Vanadium	mg/L			0.0006	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0083	<0.005	0.0084	<0.005	0.0085	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			29.2	28.2	28.5	27	29.6	
Total Magnesium	mg/L			10.9	11	11.1	11.2	11.9	
Total Potassium	mg/L			2.4	2.24	2.05	2.22	2.32	
Total Sodium	mg/L	200	AO	22	21	20.6	20.2	22	
Total Sulphur	mg/L				<3.0	<3.0	<3.0	<3.0	

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	Units	CDWG		November 5 2014	October 27 2015	October 27 2016	October 18 2017	Nov. 16 2018	
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.1	0.1	0.063	0.11	0.061	
Alkalinity (total as CaCO ₃)	mg/L			168	185	172	181	175	
Anions									
Dissolved Sulphate	mg/L	500	AO	52.8	35.2	45.5	30	43.8	
Dissolved Chloride	mg/L	250	AO	9.5	9.2	8.5	8.1	9.1	
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			17	15	10	30	10	
Nutrients									
Total Ammonia	mg/L			0.02	0.04	0.069	0.02	<0.020	
Physical Properties									
Conductivity	µS/cm			456	453	445	422	446	
pH	pH	7.0:10.5	AO	7.9	8.1	8.21	8.22	8.11	
TDS	mg/L	500	AO	280	278	258	234	258	
Turbidity	NTU			2.1	2.39	2.54	5.94	11.3	
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	27.1	<1.0	<1.0	<1.0	<1.0	
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			230	215	197	201	225	
Nitrate	mg/L	10	MAC	0.1	<0.020	<0.020	<0.020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.03	0.0034	0.0429	0.0061	0.0183	
Total Antimony	mg/L	0.006	MAC	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	0.0019	0.00124	0.00079	0.00106	0.00093	
Total Barium	mg/L	1	MAC	0.0664	0.0722	0.0613	0.0637	0.0625	
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.031	0.06	<0.050	0.053	<0.050	
Total Cadmium	mg/L	0.005	MAC	0.00001	0.000019	<0.00001	0.000012	0.000029	
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.001	<0.001	<0.001	<0.001	
Total Cobalt	mg/L			0.0004	<0.0005	<0.0005	0.00034	0.00025	
Total Copper	mg/L	1	AO	0.0037	0.00852	0.00237	0.00178	0.00262	
Total Iron	mg/L	0.3	AO	0.348	0.413	0.284	0.849	1.85	
Total Lead	mg/L	0.01	MAC	0.0007	0.00128	0.00049	0.00083	0.00098	
Total Manganese	mg/L	0.05	AO	0.116	0.0931	0.094	0.0855	0.0912	
Total Molybdenum	mg/L			0.00109	<0.001	<0.001	<0.001	<0.001	
Total Nickel	mg/L			0.0009	0.0012	<0.001	<0.001	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	0.00054	
Total Silicon	mg/L			5.3	5.62	5.3	5.8	5.54	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.203	0.206	0.195	0.182	0.173	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			<0.0001	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			0.0015	<0.005	<0.005	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	0.00012	0.00015	0.00011	0.0001	0.0001	
Total Vanadium	mg/L			0.0002	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0625	0.121	0.037	0.2	0.24	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			87	80.1	72.9	74.7	84.5	
Total Magnesium	mg/L			3.88	3.75	3.67	3.56	3.47	
Total Potassium	mg/L			0.9	0.859	0.791	0.782	0.63	
Total Sodium	mg/L	200	AO	9.1	10.9	7.73	10.2	8.07	
Total Sulphur	mg/L				12.1	15.2	11.2	17.3	

CDWG=Canadian Drinking Water Guidelines

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AO= Asthetic Objective.



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	Units	CDWG		October 19 2010	October 26 2011	October 31 2012	October 21 2013	November 7 2013*	November 5 2014
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	<1.0	0.1	0.17	0.15	0.14	0.18
Alkalinity (total as CaCO ₃)	mg/L			160	160	160	160	149	158
Anions									
Dissolved Sulphate	mg/L	500	AO	4.9	5.3	4.9	4.7	13	3.6
Dissolved Chloride	mg/L	250	AO	4.9	6.2	5.4	5.6	8.6	4.6
Nitrite	mg/L	1	MAC	<0.1	<0.01	<0.05	<0.05	<0.0050	<0.05
Miscellaneous									
Apparent Colour	Colour Unit			10	11	14	16		17
Nutrients									
Total Ammonia	mg/L			1	1.48	1.39	1.21	1.21	1.1
Physical Properties									
Conductivity	µS/cm			331	324	328	325	340	322
pH	pH	6.5:8.5	AO	7.9	7.9	7.8	8	8.17	7.9
TDS	mg/L	500	AO	168	202	220	170	214	188
Turbidity	NTU			0.6	0.8	0.9	1		1.2
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			130	63	130	130	137	140
Nitrate	mg/L	10	MAC	<0.1	<0.01	<0.05	<0.05	<0.020	<0.05
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.0001	<0.00001	<0.00005	<0.00001
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.008	<0.005	0.003	<0.005	<0.003	<0.005
Total Antimony	mg/L	0.006	MAC	<0.0002	<0.0002	<0.0001	<0.0002	<0.0005	<0.0001
Total Arsenic	mg/L	0.01	MAC	0.0008	0.0005	0.00041	0.0004	0.00025	0.00037
Total Barium	mg/L	1	MAC	0.014	0.013	0.0147	0.014	0.013	0.0143
Total Beryllium	mg/L				<0.00004	<0.00005	<0.00004	<0.0001	<0.00005
Total Bismuth	mg/L				<0.001	0.0001	<0.0010	<0.001	<0.0001
Total Boron	mg/L	5	MAC	0.056	0.053	0.062	0.052	<0.05	0.051
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	0.0008	<0.0004	<0.0005	<0.0004	<0.001	<0.0005
Total Cobalt	mg/L				0.00002	<0.0001	<0.00002	<0.0005	<0.0001
Total Copper	mg/L	1	AO	<0.001	0.001	0.0011	<0.001	<0.0002	0.0004
Total Iron	mg/L	0.3	AO	0.275	0.299	0.355	0.374	0.334	0.376
Total Lead	mg/L	0.01	MAC	0.0002	0.0003	<0.0001	0.0002	<0.0002	<0.0001
Total Manganese	mg/L	0.05	AO	0.168	0.162	0.175	0.179	0.164	0.181
Total Molybdenum	mg/L				0.0003	0.00037	0.0004	<0.001	0.0004
Total Nickel	mg/L			<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002
Total Selenium	mg/L	0.05	MAC	<0.0006	<0.0006	<0.0001	<0.0006	<0.0001	<0.0001
Total Silicon	mg/L				11	12.4	11.2	11.8	11.9
Total Silver	mg/L			<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00005
Total Strontium	mg/L				0.117	0.13	0.129	0.126	0.131
Total Thallium	mg/L				<0.00001	<0.00001	<0.00001	<0.00005	<0.00001
Total Tin	mg/L				<0.0001	<0.0001	<0.0001	<0.005	<0.0001
Total Titanium	mg/L				<0.001	<0.0005	<0.0010	<0.005	<0.0005
Total Uranium	mg/L	0.02	MAC	<0.0004	<0.0004	<0.00001	<0.0004	<0.0001	<0.00001
Total Vanadium	mg/L				0.0006	0.0006	0.0005	<0.005	0.0006
Total Zinc	mg/L	5	AO	0.02	0.005	0.0028	0.004	<0.005	0.0074
Total Zirconium	mg/L								
Total Calcium	mg/L			32.7	33.5	34.2	32.9	36	36.2
Total Magnesium	mg/L			11	11.4	11.6	12.2	11.5	12
Total Potassium	mg/L			2.8	2.8	2.9	3.03	2.79	2.9
Total Sodium	mg/L	200	AO	18.7	17.6	18	19.4	14.8	17.5
Total Sulphur	mg/L								

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	Units	CDWG		October 31 2012	November 5 2014	October 26 2015	October 26 2016	September 21 2017	November 6 2018	
Miscellaneous Inorganics										
Fluoride	mg/L	1.5	MAC	0.21	0.18	0.16	0.16	0.16	0.16	
Alkalinity (total as CaCO ₃)	mg/L			150	140	142	142	148	146	
Anions										
Dissolved Sulphate	mg/L	500	AO	5.7	7.3	6.39	8.13	9.4	11.4	
Dissolved Chloride	mg/L	250	AO	12.3	17.5	15	15	16	19	
Nitrite	mg/L	1	MAC	<0.05	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous										
Apparent Colour	Colour Unit			23	23	20	20	20	15	
Nutrients										
Total Ammonia	mg/L			1.18	1.32	1.4	1.5	1.3	1.4	
Physical Properties										
Conductivity	µS/cm			339	343	336	344	342	363	
pH	pH	7.0:10.5	AO	7.8	8	8.28	8.14	8	8.03	
TDS	mg/L	500	AO	216	206	194	192	190	198	
Turbidity	NTU			0.8	1.1	0.65	0.96	1.35	0.88	
Microbiological Parameters										
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Calculated Parameters										
Total Hardness (CaCO ₃)	mg/L			120	120	114	118	118	121	
Nitrate	mg/L	10	MAC	<0.05	<0.05	<0.020	<0.020	<0.020	<0.020	
Elements										
Total Mercury	mg/L	0.001	MAC	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals										
Total Aluminum	mg/L	0.1	OG	0.078	<0.005	<0.003	<0.003	<0.003	<0.003	
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	0.00133	0.00144	0.00134	0.00129	0.00137	0.00178	
Total Barium	mg/L	1	MAC	0.00773	0.00765	0.0076	0.0076	0.0082	0.0087	
Total Beryllium	mg/L			<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.078	0.071	0.072	0.065	0.074	0.067	
Total Cadmium	mg/L	0.005	MAC	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	
Total Cobalt	mg/L			<0.0001	<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.0003	0.0008	0.00041	0.00029	0.001	<0.0005	
Total Iron	mg/L	0.3	AO	0.529	0.561	0.555	0.588	0.678	0.611	
Total Lead	mg/L	0.01	MAC	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	
Total Manganese	mg/L	0.05	AO	0.294	0.247	0.232	0.23	0.238	0.252	
Total Molybdenum	mg/L			0.0003	0.00023	<0.001	<0.001	<0.001	<0.001	
Total Nickel	mg/L			<0.0002	0.0027	<0.001	<0.001	0.0011	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Silicon	mg/L			16.1	14.9	17.1	13.7	15.6	14.9	
Total Silver	mg/L			<0.00001	<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.12	0.123	0.112	0.113	0.122	0.136	
Total Thallium	mg/L			<0.00001	<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			<0.0001	0.0015	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			<0.0005	0.0005	<0.005	<0.005	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Vanadium	mg/L			0.0006	0.0008	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0022	0.006	<0.005	<0.005	<0.005	<0.005	
Total Zirconium	mg/L					<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			30	29.6	28.9	29.7	28.2	30.4	
Total Magnesium	mg/L			10.7	10.5	10.1	10.7	11.4	10.9	
Total Potassium	mg/L			2.7	2.8	2.5	2.36	2.78	2.68	
Total Sodium	mg/L	200	AO	26.4	27.4	25.1	23.9	24	25	
Total Sulphur	mg/L					3.3	<3.0	3.8	4	