

Decourcey Distribution (Tap Water) Analysis

2458 Pylades Drive

CDWG=Canadian Drinking Water Guidelines

AO= Aesthetic Objective

OG= Operational Guidance Value

MAC= Maximum Acceptable Concentration in the CDWG

Red font indicates non-compliance with Canadian Drinking Water Guidelines (CDWG)

	Units	CDWG		May 9 2016	May 2 2017	May 8 2018	May 14 2019	May 20 2020	May 18 2021	May 30 2022
Miscellaneous Inorganics										
Fluoride	mg/L	1.5	MAC	0.15	0.15	0.14	0.14	0.15	0.13	0.13
Alkalinity (total as CaCO ₃)	mg/L			196	180	172	186	170	180	180
Anions										
Dissolved Sulphate	mg/L	500	AO	26.3	21.4	24.6	23.2	26	27	22
Dissolved Chloride	mg/L	250	AO	81	55	85	79	100	130	97
Nitrite	mg/L	1	MAC	<0.0050	<0.0050	<0.0050	<0.005	<0.005	<0.005	<0.005
Miscellaneous										
Apparent Colour	Colour Unit			5	5	10	<2	10	10	<5
Nutrients										
Total Ammonia	mg/L			0.0062	0.12	0.13	<0.015	0.016	<0.015	<0.015
Physical Properties										
Conductivity	µS/cm			689	553	659	635	700	790	690
pH	pH	7.0:10.5	AO	8.25	8.46	8.37	8.22	8.07	8.11	8.29
TDS	mg/L	500	AO	384	310	332	336	470	390	400
Turbidity	NTU			0.16	0.18	0.25	0.33	0.27	0.21	0.37
Microbiological Parameters										
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0
Calculated Parameters										
Total Hardness (CaCO ₃)	mg/L			42	36.7	38.3	40	45.2	50.7	47.3
Nitrate	mg/L	10	MAC	<0.020	0.022	0.022	<0.02	0.024	<0.02	0.038
Elements										
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	0.0000116	<0.000002	<0.0000019	<0.0000019	<0.0000019
Total Metals										
Total Aluminum	mg/L	0.1	OG	<0.003	0.0058	0.006	0.005	<0.003	<0.003	<0.003
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	<0.00022	0.00013	0.00019	0.00019	0.00016	0.00016	0.00014
Total Barium	mg/L	1	MAC	0.0098	0.0112	0.0115	0.0116	0.0126	0.0124	0.0134
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.109	0.099	0.103	0.112	0.121	0.113	0.103
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000021
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	<0.001	<0.001	0.0012	<0.001
Total Cobalt	mg/L			<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.00403	0.00509	0.00318	0.00578	0.00446	0.00631	0.00775
Total Iron	mg/L	0.3	AO	0.0163	0.0158	0.0224	0.022	0.0186	0.033	0.0607
Total Lead	mg/L	0.01	MAC	<0.0002	<0.0002	0.00021	0.00023	<0.0002	0.00021	0.00031
Total Lithium	mg/L						0.0163			
Total Manganese	mg/L	0.02 0.12	AO MAC	<0.001	<0.001	0.0022	0.0014	<0.001	<0.001	0.0014
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Nickel	mg/L			<0.001	<0.001	<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	<0.0001
Total Silicon	mg/L			9	8.08	7.31	7.47	7.72	7.87	8.56
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.177	0.139	0.144	0.154	0.193	0.219	0.192
Total Thallium	mg/L			<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	0.0258	0.0386	0.0309	0.0473	0.0349	0.0406	0.0533
Total Zirconium	mg/L			<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			12.7	11.1	11.9	12.3	13.9	15.5	14.6
Total Magnesium	mg/L			2.49	2.17	2.1	2.27	2.56	2.94	2.61
Total Potassium	mg/L			0.886	0.732	0.66	0.78	0.836	0.91	0.769
Total Sodium	mg/L	200	AO	128	112	110	123	130	136	118
Total Sulphur	mg/L			9.2	7.8	5.7	8.1	8.6	8.6	8.1