REGIONAL DISTRICT OF NANAIMO

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 8 2018	May 14 2019	May 20 2020	May 18 2021	May 30 2022	May 31 2023	May 27 2024	
Miscellaneous Inorganics											
Fluoride	mg/L	1.5	MAC	0.14	0.14	0.15	0.13	0.13	0.13	0.11	
Alkalinity (total as CaCO)	mg/L			172	186	170	180	180	170	170	
Anions											
Dissolved Sulphate	mg/L	500	AO	24.6	23.2	26	27	22	21	22	
Dissolved Chloride	mg/L	250	AO	85	79	100	130	97	86	83	
Nitrite	mg/L	1	MAC	<0.0050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	
Miscellaneous											
Apparent Colour	Colour Unit			10	<2	10	10	<5	<5	<2.0	
Nutrients											
Total Ammonia	mg/L			0.13	<0.015	0.016	<0.015	<0.015	<0.015	<0.015	
Physical Properties											
Conductivity	µS/cm			659	635	700	790	690	660	670	
pH	pH	7.0:10.5	AO	8.37	8.22	8.07	8.11	8.29	8.09	7.95	
TDS	mg/L	500	AO	332	336	470	390	400	350	360	
Turbidity	NTU			0.25	0.33	0.27	0.21	0.37	0.31	0.26	
Microbiological Parameters											
E.coli	MPN/100mL	<1	MAC	<1.0	0	0	0	0	0	0	
Total Coliforms	MPN/100mL	<1	MAC	<1.0	0	0	0	0	0	0	
Calculated Parameters											
Total Hardness (CaCO)	mg/L			38.3	40	45.2	50.7	47.3	46.4	45.1	
Nitrate	mg/L	10	MAC	0.022	<0.02	0.024	<0.02	0.038	0.064	<0.020	
Elements											
Total Mercury	mg/L	0.001	MAC	0.0000116	<0.000002	<0.0000019	<0.0000019	<0.0000019	0.0000061	0.0000041	
Total Metals											
Total Aluminum	mg/L	0.1	OG	0.006	0.005	<0.003	<0.003	<0.003	0.0042	<0.0030	
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00050	
Total Arsenic	mg/L	0.01	MAC	0.00019	0.00019	0.00016	0.00016	0.00014	0.00015	0.00015	
Total Barium	mg/L	1	MAC	0.0115	0.0116	0.0126	0.0124	0.0134	0.0135	0.0126	
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	
Total Boron	mg/L	5	MAC	0.103	0.112	0.121	0.113	0.103	0.104	0.113	
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	0.000021	<0.00001	<0.000010	
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	<0.0010	
Total Cobalt	mg/L			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	
Total Copper	mg/L	1	AO	0.00318	0.00578	0.00446	0.00631	0.00775	0.00846	0.00834	
Total Iron	mg/L	0.3	AO	0.0224	0.022	0.0186	0.033	0.0607	0.0653	0.0343	
Total Lead	mg/L	0.01	MAC	0.00021	0.00023	<0.0002	0.00021	0.00031	0.00037	0.00076	
Total Lithium	mg/L				0.0163						
Total Manganese	mg/L	0.02 0.12	AO MAC	0.0022	0.0014	<0.001	<0.001	0.0014	<0.001	0.0011	
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	
Total Silicon	mg/L			7.31	7.47	7.72	7.87	8.56	8.2	7.61	
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000020	
Total Strontium	mg/L			0.144	0.154	0.193	0.219	0.192	0.187	0.176	
Total Thallium	mg/L			<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000010	
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	
Total Zinc	mg/L	5	AO	0.0309	0.0473	0.0349	0.0406	0.0533	0.0487	0.0345	
Total Zirconium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.00010	
Total Calcium	mg/L			11.9	12.3	13.9	15.5	14.6	14.3	14.0	
Total Magnesium	mg/L			2.1	2.27	2.56	2.94	2.61	0.769	2.44	
Total Potassium	mg/L			0.66	0.78	0.836	0.91	0.769	0.769	0.744	
Total Sodium	mg/L	200	AO	110	123	130	136	118	118	120	
Total Sulphur	mg/L			5.7	8.1	8.6	8.6	8.1	6.7	7.2	