

**Table 3-3: Comparison of the Concentrations of Various Chemical Parameters in the Greater Nanaimo Drinking Water Samples from Before and After Fertilization Began in 1998**

Chemical Parameter	Pre-1998				Post-1998			
	Average Conc.	Minimum Conc.	Maximum Conc.	Samples >LOD	Average Conc.	Minimum Conc.	Maximum Conc.	Samples >LOD
Aluminum	0.06	0.012	0.06	Yes	0.0612	0.02	0.2	Yes
Antimony	0.03	0.00009	0.2	No	0.0401	0.0001	0.2	No
Arsenic	0.004	0.00005	0.025	No	0.0026	0.0001	0.025	Yes
Barium	0.0077	0.005	0.01	yes	0.0100	0.004	0.04	Yes
Beryllium	0.002	0.001	0.005	No	0.0050	0.005	0.005	No
Bismuth	0.035	0.001	0.1	No	0.0640	0.01	0.1	Yes
Boron	0.031	0.0005	0.1	Yes	0.0727	0.05	0.1	No
Cadmium	0.00018	0.00009	0.0005	No	0.0006	0.0002	0.005	No
Calcium	5.29	4.7	6.2	Yes	3.8509	2.9	5.3	Yes
Chromium	0.0025	0.0006	0.01	Yes	0.0027	0.001	0.01	No
Cobalt	0.0045	0.001	0.01	no	0.0028	0.001	0.01	Yes
Copper	0.0148	0.003	0.047	Yes	0.0071	0.004	0.016	Yes
Iron	0.18	0.056	0.32	Yes	0.1109	0.03	0.24	No
Lead	0.0044	0.0001	0.014	Yes	0.0014	0.001	0.005	No
Magnesium	0.0375	0.052	0.64	Yes	0.3909	0.28	0.5	Yes
Manganese	0.0166	0.0026	0.027	Yes	0.0105	0.002	0.03	Yes
Mercury	0.00006	0.00005	0.001	No	0.0001	5E-05	0.00005	No
Molybdenum	0.0098	0.001	0.03	No	0.0068	0.001	0.03	No
Nickel	0.0098	0.001	0.02	No	0.0048	0.001	0.02	No
Nitrate	0.0219	0.005	0.05	Yes	0.0673	0.01	0.1	No
Nitrite	0.0054	0.002	0.02	No	0.0644	0.002	0.1	No
pH	6.88	6.24	7.67	Yes	7.1100	6.75	7.38	Yes
Phosphorus	0.0777	0.005	0.3	Yes	0.3000	0.3	0.3	No
Potassium	0.6	0.24	2	Yes	0.4427	0.07	2	Yes
Selenium	0.0027	0.0005	0.01	No	0.0017	0.0005	0.01	No

Chemical Parameter	Pre-1998				Post-1998			
	Average Conc.	Minimum Conc.	Maximum Conc.	Samples >LOD	Average Conc.	Minimum Conc.	Maximum Conc.	Samples >LOD
Silicon	3.19	1.7	9.4	Yes	1.6020	1.09	1.73	Yes
Silver	0.00722	0.00007	0.03	No	0.0021	0.0001	0.01	Yes
Sodium	2.37	1.1	2.58	Yes	1.3491	0.79	2	Yes
Strontium	0.0187	0.0024	0.025	Yes	0.0254	0.018	0.028	Yes
Sulphate	1.5	1	3.5	Yes	1.0364	0.1	3.2	Yes
Thallium	0.017	0.001	0.03	No	0.2000	0.2	0.2	No
Tin	0.0178	0.001	0.03	No	0.0300	0.03	0.03	No
Titanium	0.0032	0.00086	0.01	Yes	0.0100	0.01	0.01	No
Total Dissolved Solids	34	30	52	Yes	55.9091	10	319	Yes
Turbidity (in NTU)	0.446	27	0.8	Yes	0.6482	0.1	1	Yes
Uranium	0.00046	0.00004	0.002	Yes	0.0010	1E-05	0.007	Yes
Vanadium	0.0093	0.001	0.03	No	0.0300	0.03	0.03	No
Zinc	0.007	0.0005	0.021	Yes	0.0106	0.005	0.05	Yes

All sample results are in milligrams per litre unless otherwise specified. There are no units associated with pH.

>LOD - greater than the limit of detection. A yes in this column means that at least one sample in the pool of results was reported at a concentration above the analytical limit of detection, a no in this column means all of the samples were below the limit of detection.

NTU - nephelometric turbidity unit