

Clarence Valley Council Drinking Water Quality Report March 2024

Result for the 12 months from 1 March 2023 to 31 March 2024

Program:	Drinking Water Monitoring Program	Barcode:	All
Date Range:	01-03-2023 - 31-03-2024	Analysis Type:	All
Water Utility:	Clarence valley Council	Characteristics:	All
Supply System:	All	Sample Types:	All

Analysis Type	Characteristic	Guideline Value	Units	Mean	Median	Standard Deviation	Min	Max	Sample Count	Exception Count	95th Percentile	5th Percentile	% meeting guideline values
Chemistry													
	Aluminium	0.2000	mg/L	0.1214	0.0900	0.1056	0.01	0.46	35	3	0.43	0.02	91.43
	Antimony	0.0030	mg/L	0.0002	0.0002	0.0001	0.00005	0.0003	35	0	0.0002	0.00005	100.00
	Arsenic	0.0100	mg/L	0.0008	0.0010	0.0003	0.0005	0.001	35	0	0.001	0.0005	100.00
	Barium	2.0000	mg/L	0.0150	0.0154	0.0060	0.0031	0.0312	35	0	0.0299	0.0043	100.00
	Boron	4.0000	mg/L	0.0097	0.0075	0.0042	0.0054	0.0181	35	0	0.0177	0.0055	100.00
	Cadmium	0.0020	mg/L	0.0001	0.0001	0.0000	0.00005	0.00005	35	0	0.00005	0.00005	100.00
	Calcium	10000.0000	mg/L	13.2343	17.1000	7.1869	1	21.4	35	0	19.9	1.6	100.00
	Chloride	250.0000	mg/L	21.7576	21.0000	7.4542	12	40	33	0	39	12	100.00
	Chromium	0.0500	mg/L	0.0005	0.0005	0.0001	0.0005	0.001	35	0	0.001	0.0005	100.00

Copper	2.0000	mg/L	0.0733	0.0430	0.1045	0.002	0.531	35	0	0.302	0.003	100.00
Fluoride	1.5000	mg/L	0.7991	1.0200	0.4324	0.05	1.15	33	0	1.15	0.05	100.00
Fluoride (WU result)	1.5000	mg/L	0.9961	0.9900	0.0329	0.94	1.04	18	0	1.04	0.94	100.00
Fluoride Ratio	0.8 - 1.2		0.9539	0.9500	0.0388	0.89	1.05	18	0	1.05	0.89	100.00
Iodine	0.5000	mg/L	0.0103	0.0100	0.0017	0.01	0.02	33	0	0.01	0.01	100.00
Iron	0.3000	mg/L	0.2679	0.1900	0.2891	0.005	1.57	35	7	0.92	0.05	80.00
Lead	0.0100	mg/L	0.0009	0.0006	0.0008	0.0001	0.0037	35	0	0.0026	0.0001	100.00
Magnesium	10000.0000	mg/L	1.4314	1.3900	0.3628	0.36	2.17	35	0	2.01	0.57	100.00
Manganese	0.5000	mg/L	0.0060	0.0034	0.0053	0.0006	0.02	35	0	0.0184	0.0017	100.00
Mercury	0.0010	mg/L	0.0004	0.0004	0.0000	0.0004	0.0004	35	0	0.0004	0.0004	100.00
Molybdenum	0.0500	mg/L	0.0001	0.0001	0.0001	0.00005	0.0004	35	0	0.0003	0.00005	100.00
Nickel	0.0200	mg/L	0.0003	0.0002	0.0002	0.0002	0.0013	35	0	0.0005	0.0002	100.00
Nitrate	50.0000	mg/L	1.7121	1.0000	1.2502	0.5	4	33	0	4	0.5	100.00
Nitrite	3.0000	mg/L	0.0545	0.0500	0.0261	0.05	0.2	33	0	0.05	0.05	100.00
pH	6.5 - 8.5		7.3909	7.5000	0.3066	6.7	7.9	33	0	7.8	6.8	100.00
Selenium	0.0100	mg/L	0.0035	0.0035	0.0000	0.0035	0.0035	35	0	0.0035	0.0035	100.00
Silver	0.1000	mg/L	0.0001	0.0001	0.0000	0.0001	0.0001	35	0	0.0001	0.0001	100.00
Sodium	180.0000	mg/L	12.6286	8.0000	10.0677	6	42	35	0	41	6	100.00
Sulfate	250.0000	mg/L	1.4242	1.0000	0.5019	1	2	33	0	2	1	100.00
Total Dissolved Solids (TDS)	10000.0000	mg/L	60.2424	62.0000	15.1059	22	86	33	0	79	27	100.00
Total Hardness as CaCO3	200.0000	mg/L	38.9200	48.5000	17.7457	10	59.1	35	0	56.6	10.5	100.00
True Colour	15.0000	Hazen Units (HU)	3.0303	3.0000	2.2705	1	12	33	0	7	1	100.00
Turbidity	5.0000	NTU	1.2242	1.1000	0.6990	0.05	3	33	0	2.5	0.05	100.00
Uranium	0.0200	mg/L	0.0001	0.0001	0.0000	0.00005	0.00005	35	0	0.00005	0.00005	100.00
Zinc	3.0000	mg/L	0.0166	0.0100	0.0097	0.01	0.05	35	0	0.04	0.01	100.00

Microbiology													
	E. coli	0.0000	mpn/100 mL	0.0000	0.0000	0.0000	0	0	1007	0	0	0	100.00
	Free Chlorine	0.2 - 5	mg/L	0.8984	0.7900	0.8755	0.01	4.29	1007	406	2.4	0.01	59.68
	pH	6.5 - 8.5		7.4994	7.6000	0.5741	3.41	9.1	459	31	8.4	6.6	93.25
	Temperature	30.0000	C	21.8764	22.1000	3.9296	12.1	31.3	999	2	27.3	15.8	99.80
	Total Chlorine	5.0000	mg/L	1.7734	1.7900	3.1458	0.01	93	1007	2	3.2	0.03	99.80
	Total Coliforms	0.0000	mpn/100 mL	8.2612	0.0000	37.3871	0	202	1007	110	22	0	89.08
Turbidity	5.0000	NTU	0.9381	0.6100	1.2617	0	5.3	21	1	3.81	0.01	95.24	