

WATER ANALYSIS – CENTRAL TABLELANDS WATER

Program:	Drinking Water Program	Sample Types:	All
Date Range:	01-07-2012 - 30-06-2013	Laboratory:	ICPMR-DAL Laboratory - NATA Accredited Laboratory Number 3189
Water Utility:	Central Tablelands Water	Sample Count:	1319
AHS:	Greater Western PHU		

Summary Report

Characteristic	Guideline Value	Units	Mean	Median	Standard Deviation	Min	Max	Sample Count	Exception Count	95th Percentile	5th Percentile	% meeting guideline values
Aluminium	0.2000	mg/L	0.0207	0.0100	0.0188	0.005	0.06	15	0	0.06	0.005	100.00
Antimony	0.0030	mg/L	0.0005	0.0005	0.0000	0.0005	0.0005	15	0	0.0005	0.0005	100.00
Arsenic	0.0100	mg/L	0.0007	0.0005	0.0003	0.0005	0.001	15	0	0.001	0.0005	100.00
Barium	2.0000	mg/L	0.0179	0.0180	0.0029	0.011	0.023	15	0	0.023	0.011	100.00
Boron	4.0000	mg/L	0.0500	0.0500	0.0000	0.05	0.05	15	0	0.05	0.05	100.00
Cadmium	0.0020	mg/L	0.0003	0.0003	0.0000	0.00025	0.0003	15	0	0.00025	0.00025	100.00
Calcium	10000.0000	mg/L	12.6067	12.8000	0.9655	11.2	14.4	15	0	14.4	11.2	100.00
Chloride	250.0000	mg/L	21.5333	21.0000	2.6957	18	26	15	0	26	18	100.00
Chromium	0.0500	mg/L	0.0025	0.0025	0.0000	0.0025	0.0025	15	0	0.0025	0.0025	100.00
Copper	2.0000	mg/L	0.0087	0.0070	0.0048	0.0025	0.018	15	0	0.018	0.0025	100.00
Fluoride	1.5000	mg/L	1.0873	1.0800	0.0791	0.97	1.23	15	0	1.23	0.97	100.00
Fluoride (WU result)	1.5000	mg/L	0.9713	0.9700	0.0467	0.9	1.05	15	0	1.05	0.9	100.00
Fluoride Ratio	0.8 - 1.2		0.8973	0.9000	0.0550	0.8	0.99	15	0	0.99	0.8	100.00
Iodide	0.5000	mg/L	0.0162	0.0200	0.0047	0.01	0.02	15	0	0.02	0.01	100.00
Iron	0.3000	mg/L	0.0157	0.0100	0.0317	0.005	0.13	15	0	0.13	0.005	100.00
Lead	0.0100	mg/L	0.0011	0.0010	0.0003	0.001	0.002	15	0	0.002	0.001	100.00
Magnesium	10000.0000	mg/L	7.9560	7.6300	1.0039	6.35	9.63	15	0	9.63	6.35	100.00
Manganese	0.5000	mg/L	0.0057	0.0025	0.0104	0.0025	0.043	15	0	0.043	0.0025	100.00
Mercury	0.0010	mg/L	0.0001	0.0001	0.0000	0.00005	5E-05	15	0	0.00005	0.00005	100.00
Molybdenum	0.0500	mg/L	0.0025	0.0025	0.0000	0.0025	0.0025	15	0	0.0025	0.0025	100.00
Nickel	0.0200	mg/L	0.0050	0.0050	0.0000	0.005	0.005	15	0	0.005	0.005	100.00
Nitrate	50.0000	mg/L	0.7333	0.5000	0.2582	0.5	1	15	0	1	0.5	100.00
Nitrite	3.0000	mg/L	0.0500	0.0500	0.0000	0.05	0.05	15	0	0.05	0.05	100.00
pH	6.5 - 8.5		7.7200	7.7000	0.1859	7.3	8	15	0	8	7.3	100.00
Selenium	0.0100	mg/L	0.0010	0.0010	0.0000	0.001	0.001	15	0	0.001	0.001	100.00
Silver	0.1000	mg/L	0.0010	0.0010	0.0000	0.001	0.001	15	0	0.001	0.001	100.00
Sodium	180.0000	mg/L	15.3333	15.0000	1.7593	13	18	15	0	18	13	100.00
Sulfate	500.0000	mg/L	3.2000	2.0000	3.8582	1	17	15	0	17	1	100.00
Total Dissolved Solids (TDS)	600.0000	mg/L	89.8333	101.0000	34.2604	2.5	116	15	0	116	2.5	100.00
Total Hardness as CaCO3	200.0000	mg/L	64.2133	61.5000	5.7011	57.9	75.6	15	0	75.6	57.9	100.00
True Colour	15.0000		2.0333	2.0000	1.2459	0.5	5	15	0	5	0.5	100.00
Turbidity	5.0000		0.3833	0.1000	0.9537	0.05	3.8	15	0	3.8	0.05	100.00
Zinc	3.0000		0.0140	0.0100	0.0089	0.005	0.04	15	0	0.04	0.005	100.00
Fluoride (daily WU)	0.9 - 1.5		1.0065	1.0000	0.0583	0.9	1.15	885	0	1.1	0.91	100.00
Fluoride (weekly WU)	0.9 - 1.5		1.0064	1.0100	0.0529	0.9	1.13	201	0	1.09	0.91	100.00
E. coli	0.0000		0.0000	0.0000	0.0000	0	0	208	0	0	0	100.00
Free Chlorine	0.2 - 5		0.4703	0.4900	0.1295	0.19	0.69	208	3	0.64	0.23	98.56
pH	6.5 - 8.5		7.3955	7.4000	0.1217	7.09	7.9	208	0	7.55	7.2	100.00
Total Chlorine	5.0000		1.1888	0.7600	6.3985	0.27	93	208	1	0.95	0.46	99.52
Total Coliforms	0.0000		0.0433	0.0000	0.3305	0	3	208	4	0	0	98.08
Turbidity	5.0000		0.3559	0.3600	0.0866	0.13	0.59	207	0	0.5	0.21	100.00