

Queensland Urban Utilities Annual Drinking Water Quality Data July 1, 2008 to June 30, 2009

Health Parameter	Units	Range	Complies with ADWG ⁴
Barium	mg/L	0.01 to 0.05	Yes
Total Trihalomethanes (THMs)	ug/L	5 to 195	Yes
Cadmium	mg/L	<LOR ⁷	Yes
Chromium	mg/L	<LOR to 0.003	Yes
Copper	mg/L	0.002 to 1.16	Yes
<i>E. coli</i>	cfu/100ml	<LOR to 16	Yes ⁵
Fluoride	mg/L	<LOR to 0.87	Yes
Lead	mg/L	<LOR to 0.02	Yes
Manganese	mg/L	0.001 to 0.46	Yes
Total chlorine	mg/L	<LOR to >6	Yes
Free chlorine	mg/L	<LOR to 5.6	Yes
Nickel	mg/L	<LOR to 0.007	Yes
Nitrate	mg/L	0.017 to 1.09	Yes
Nitrite	mg/L	<LOR to 0.59	Yes
Sulphate	mg/L	20 to 105	Yes

Aesthetic Parameter	Units	Range	Complies with ADWG ⁴
Alkalinity	mg/L	43 to 96	NA ⁸
Aluminium	mg/L	0.01 to 0.5	Yes
Calcium	mg/L	16 to 37	NA
Chloride	mg/L	21 to 232	Yes
Conductivity	uS/cm	240 to 934	Yes
Geosmin	ng/L	<LOR to 8.4	NA
Hardness	mg/L	68 to 210	Yes
Iron	mg/L	0.003 to 0.94	Yes
Magnesium	mg/L	5 to 29	NA
Manganese	mg/L	0.001 to 0.46	Yes
2-Methylisoborneol (MIB)	ng/L	<LOR to 3.6	NA
pH	pH unit	7 to 8.5	Yes
Potassium	mg/L	2.1 to 5.9	NA
Sodium	mg/L	16 to 100	Yes
TDS	mg/L	156 to 598	Yes
Temperature	degree Celsius	11 to 35	NA
True colour	PCU	<LOR to 4.5	Yes
Turbidity	NTU	0.05 to 13	Yes
Zinc	mg/L	<LOR to 0.7	Yes

Notes

1. The above drinking water quality monitoring data is representative of water quality samples collected from the Brisbane network (water distribution system) over the nominated period.
2. The drinking water quality monitoring program complies with statutory requirements.
3. The ADWG (Australian Drinking Water Guidelines) 2004, were endorsed by the National Health and Medical Research Council (NHMRC).
4. Refers to ADWG (Australian Drinking Water Guidelines) guideline values (95%ile 12 monthly average).
5. Complies with ADWG (Australian Drinking Water Guidelines) expectation that >98% samples tested in reticulation system are free of *E. coli*.

Definition

6. ng/L – nanogram per litre (equivalent to parts per trillion), ug/L – microgram per litre (equivalent to parts per billion), mg/L – milligram per litre (equivalent to parts per million), cfu - colony forming units, uS – microsiemens, PCU – Platinum Cobalt Units, NTU – Nephelometric Turbidity Units.
7. LOR – Limit of Reporting – this is the lowest detectable level for a parameter given the sensitivity of the test.
8. NA – no ADWG aesthetic guideline value available.

Disclaimer

9. The State Government bulk water entities Seqwater and Linkwater are responsible for treating and supplying the Brisbane network with water that meets water quality drinking standards. Therefore Brisbane City Council is not fully responsible for the quality of water delivered to Brisbane customers.