

Result Summary Report

Program:	Drinking Water Monitoring Program	Barcode:	All
Date Range:	01-07-2023 - 30-06-2024	Analysis Type:	All
Water Utility:	All	Characteristics:	All
Supply System:	Merriwa UH02	Sample Types:	All

Sample Count: 52

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	0.0075	0.0075	0.0035	0.005	0.01	2	0	0.01	0.005	100.00
	Antimony	0.0030	mg/L	0.0001	0.0001	0.0000	0.00005	0.00005	2	0	0.00005	0.00005	100.00
	Arsenic	0.0100	mg/L	0.0008	0.0008	0.0004	0.0005	0.001	2	0	0.001	0.0005	100.00
	Barium	2.0000	mg/L	0.3007	0.3007	0.0241	0.2836	0.3177	2	0	0.3177	0.2836	100.00
	Boron	4.0000	mg/L	0.0553	0.0553	0.0036	0.0527	0.0578	2	0	0.0578	0.0527	100.00
	Cadmium	0.0020	mg/L	0.0001	0.0001	0.0000	0.00005	0.00005	2	0	0.00005	0.00005	100.00
	Calcium	10000.0000	mg/L	30.6000	30.6000	3.5355	28.1	33.1	2	0	33.1	28.1	100.00
	Chloride	250.0000	mg/L	91.0000	91.0000	0.0000	91	91	2	0	91	91	100.00
	Chromium	0.0500	mg/L	0.0010	0.0010	0.0000	0.001	0.001	2	0	0.001	0.001	100.00
	Copper	2.0000	mg/L	0.0010	0.0010	0.0000	0.001	0.001	2	0	0.001	0.001	100.00

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Chemistry	Fluoride	1.5000	mg/L	0.5850	0.5850	0.0212	0.57	0.6	2	0	0.6	0.57	100.00
	Iodine	0.5000	mg/L	0.0300	0.0300	0.0000	0.03	0.03	2	0	0.03	0.03	100.00
	Iron	0.3000	mg/L	0.0450	0.0450	0.0495	0.01	0.08	2	0	0.08	0.01	100.00
	Lead	0.0100	mg/L	0.0001	0.0001	0.0000	0.0001	0.0001	2	0	0.0001	0.0001	100.00
	Magnesium	10000.0000	mg/L	17.1550	17.1550	1.6193	16.01	18.3	2	0	18.3	16.01	100.00
	Manganese	0.5000	mg/L	0.0045	0.0045	0.0018	0.0032	0.0058	2	0	0.0058	0.0032	100.00
	Mercury	0.0010	mg/L	0.0004	0.0004	0.0000	0.0004	0.0004	2	0	0.0004	0.0004	100.00
	Molybdenum	0.0500	mg/L	0.0001	0.0001	0.0000	0.00005	0.00005	2	0	0.00005	0.00005	100.00
	Nickel	0.0200	mg/L	0.0002	0.0002	0.0000	0.0002	0.0002	2	0	0.0002	0.0002	100.00
	Nitrate	50.0000	mg/L	4.0000	4.0000	0.0000	4	4	2	0	4	4	100.00
	Nitrite	3.0000	mg/L	0.0500	0.0500	0.0000	0.05	0.05	2	0	0.05	0.05	100.00
	pH	6.5 - 8.5		7.7500	7.7500	0.2121	7.6	7.9	2	0	7.9	7.6	100.00
	Selenium	0.0100	mg/L	0.0035	0.0035	0.0000	0.0035	0.0035	2	0	0.0035	0.0035	100.00
	Silver	0.1000	mg/L	0.0001	0.0001	0.0000	0.0001	0.0001	2	0	0.0001	0.0001	100.00
	Sodium	180.0000	mg/L	102.5000	102.5000	6.3640	98	107	2	0	107	98	100.00
	Sulfate	250.0000	mg/L	1.0000	1.0000	0.0000	1	1	2	0	1	1	100.00
	Total Dissolved Solids (TDS)	10000.0000	mg/L	405.0000	405.0000	14.1421	395	415	2	0	415	395	100.00
	Total Hardness as CaCO3	200.0000	mg/L	147.0500	147.0500	15.4856	136.1	158	2	0	158	136.1	100.00
	True Colour	15.0000	Hazen Units (HU)	1.0000	1.0000	0.0000	1	1	2	0	1	1	100.00
	Turbidity	5.0000	NTU	0.6000	0.6000	0.7071	0.1	1.1	2	0	1.1	0.1	100.00
	Uranium	0.0200	mg/L	0.0001	0.0001	0.0000	0.00005	0.00005	2	0	0.00005	0.00005	100.00
	Zinc	3.0000	mg/L	0.0150	0.0150	0.0071	0.01	0.02	2	0	0.02	0.01	100.00
Microbiology													
	E. coli	0.0000	mpn/100 mL	0.0000	0.0000	0.0000	0	0	50	0	0	0	100.00

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Microbiology	Free Chlorine	0.2 - 5	mg/L	0.7162	0.7000	0.2414	0.41	1.51	50	0	1.2	0.41	100.00
	Total Coliforms	0.0000	mpn/100 mL	0.0600	0.0000	0.3136	0	2	50	2	0	0	96.00
	Turbidity	5.0000	NTU	0.1974	0.2050	0.0679	0.03	0.32	38	0	0.31	0.09	100.00