

Result Summary Report

Program:	Drinking Water Monitoring Program	Barcode:	All
Date Range:	01-07-2024 - 28-05-2025	Analysis Type:	All
Water Utility:	All	Characteristics:	All
Supply System:	Cassilis UH05	Sample Types:	All

Sample Count: 25

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	0.0050	0.0050	0.0000	0.005	0.005	2	0	0.005	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	0.0010	0.0010	0.0000	0.001	0.001	2	0	0.001	0.001	100.00
	Barium	2.0000	mg/L	0.1147	0.1147	0.0301	0.0934	0.1359	2	0	0.1359	0.0934	100.00
	Boron	4.0000	mg/L	0.0268	0.0268	0.0058	0.0227	0.0309	2	0	0.0309	0.0227	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	44.7500	44.7500	5.0205	41.2	48.3	2	0	48.3	41.2	100.00
	Chloride	250.0000	mg/L	63.0000	63.0000	31.1127	41	85	2	0	85	41	100.00
	Chromium	0.0500	mg/L	0.0005	0.0005	0.0000	0.0005	0.0005	2	0	0.0005	0.0005	100.00
	Copper	2.0000	mg/L	0.0265	0.0265	0.0247	0.009	0.044	2	0	0.044	0.009	100.00

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Chemistry	Fluoride	1.5000	mg/L	0.1700	0.1700	0.0141	0.16	0.18	2	0	0.18	0.16	100.00
	Iodine	0.5000	mg/L	0.0100	0.0100	0.0000	0.01	0.01	2	0	0.01	0.01	100.00
	Iron	0.3000	mg/L	0.2550	0.2550	0.1626	0.14	0.37	2	1	0.37	0.14	50.00
	Lead	0.0100	mg/L	0.0014	0.0014	0.0010	0.0007	0.0021	2	0	0.0021	0.0007	100.00
	Magnesium	10000.0000	mg/L	48.0450	48.0450	21.9557	32.52	63.57	2	0	63.57	32.52	100.00
	Manganese	0.5000	mg/L	0.0290	0.0290	0.0194	0.0153	0.0427	2	0	0.0427	0.0153	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	0.0009	0.0009	0.0006	0.0004	0.0013	2	0	0.0013	0.0004	100.00
	Nickel	0.0200	mg/L	0.0004	0.0004	0.0003	0.0002	0.0006	2	0	0.0006	0.0002	100.00
	Nitrate	50.0000	mg/L	0.7500	0.7500	0.3536	0.5	1	2	0	1	0.5	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		7.9000	7.9000	0.4243	7.6	8.2	2	0	8.2	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	49.5000	49.5000	10.6066	42	57	2	0	57	42	100.00
	Sulfate	250.0000	mg/L	10.0000	10.0000	7.0711	5	15	2	0	15	5	100.00
	Total Dissolved Solids (TDS)	10000.0000	mg/L	441.0000	441.0000	145.6640	338	544	2	0	544	338	100.00
	Total Hardness as CaCO3	200.0000	mg/L	309.6000	309.6000	102.9547	236.8	382.4	2	2	382.4	236.8	0.00
	True Colour	15.0000	Hazen Units (HU)	0.7500	0.7500	0.3536	0.5	1	2	0	1	0.5	100.00
	Turbidity	5.0000	NTU	0.4000	0.4000	0.2828	0.2	0.6	2	0	0.6	0.2	100.00
	Uranium	0.0200	mg/L	0.0003	0.0003	0.0003	0.00005	0.0005	2	0	0.0005	0.00005	100.00
	Zinc	3.0000	mg/L	0.0300	0.0300	0.0283	0.01	0.05	2	0	0.05	0.01	100.00
Microbiology													
	E. coli	0.0000	mpn/100 mL	0.0000	0.0000	0.0000	0	0	23	0	0	0	100.00

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Microbiology	Free Chlorine	0.2 - 5	mg/L	0.8257	0.8300	0.2440	0.21	1.3	23	0	1.25	0.46	100.00
	Total Coliforms	0.0000	mpn/100 mL	0.0000	0.0000	0.0000	0	0	23	0	0	0	100.00
	Turbidity	5.0000	NTU	0.2257	0.2400	0.0392	0.15	0.29	23	0	0.29	0.18	100.00