

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:	Cassilis UH05	Sample Types:	All

Sample Count: 29

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	0.0010	0.0010	0.0000	0.001	0.001	2	0	0.001	0.001	100.00
	Barium	2.0000	mg/L	0.1514	0.1514	0.0054	0.1476	0.1552	2	0	0.1552	0.1476	100.00
	Boron	4.0000	mg/L	0.0332	0.0332	0.0013	0.0323	0.0341	2	0	0.0341	0.0323	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	45.2500	45.2500	5.5861	41.3	49.2	2	0	49.2	41.3	100.00
	Chloride	250.0000	mg/L	44.5000	44.5000	2.1213	43	46	2	0	46	43	100.00
	Chromium	0.0500	mg/L	0.0008	0.0008	0.0004	0.0005	0.001	2	0	0.001	0.0005	100.00
	Copper	2.0000	mg/L	0.0285	0.0285	0.0092	0.022	0.035	2	0	0.035	0.022	100.00

Analysis Type	Characteristic	Guideline Value	Units	Mean	Median	Standard Deviation	Min	Max	Sample Count	Exception Count	95th Percentile	5th Percentile	% meeting guideline values
Chemistry	Fluoride	1.5000	mg/L	0.1900	0.1900	0.0000	0.19	0.19	2	0	0.19	0.19	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	0.2750	0.2750	0.2333	0.11	0.44	2	1	0.44	0.11	50.00
	Lead	0.0100	mg/L	0.0009	0.0009	0.0009	0.0002	0.0015	2	0	0.0015	0.0002	100.00
	Magnesium	10000.0000	mg/L	38.5900	38.5900	3.5497	36.08	41.1	2	0	41.1	36.08	100.00
	Manganese	0.5000	mg/L	0.0315	0.0315	0.0244	0.0142	0.0487	2	0	0.0487	0.0142	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	0.0006	0.0006	0.0001	0.0005	0.0007	2	0	0.0007	0.0005	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	0.5000	0.5000	0.0000	0.5	0.5	2	0	0.5	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		8.2000	8.2000	0.0000	8.2	8.2	2	0	8.2	8.2	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	2.1213	48	51	2	0	51	48	100.00
	Sulfate	250.0000	mg/L	5.5000	5.5000	0.7071	5	6	2	0	6	5	100.00
	Total Dissolved Solids (TDS)	10000.0000	mg/L	296.5000	296.5000	10.6066	289	304	2	0	304	289	100.00
	Total Hardness as CaCO3	200.0000	mg/L	271.9000	271.9000	28.5671	251.7	292.1	2	2	292.1	251.7	0.00
	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	0.0000	0.6	0.6	2	0	0.6	0.6	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	0.0300	0.0300	0.0141	0.02	0.04	2	0	0.04	0.02	100.00
Microbiology													
	E. coli	0.0000	mpn/100 mL	0.0000	0.0000	0.0000	0	0	27	0	0	0	100.00

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Microbiology	Free Chlorine	0.2 - 5	mg/L	0.8407	0.8100	0.2480	0.47	1.31	27	0	1.23	0.51	100.00
	Total Coliforms	0.0000	mpn/100 mL	0.0000	0.0000	0.0000	0	0	27	0	0	0	100.00
	Turbidity	5.0000	NTU	0.2290	0.2400	0.0894	0.05	0.34	20	0	0.34	0.06	100.00