

**Table F7 - Field and Laboratory Results for Surface water - July 2023 - Q4**

Analytes	Units	ANZECC 2000 FW 95%	EPL Groundwater Trigger Levels Licence 6269	S4	S5	S6	S7	L8
				MP4	MP5	MP6	MP7	MP8
				5/07/2023	5/07/2023	5/07/2023	5/07/2023	5/07/2023
Field	Dissolved Oxygen (Filtered)	mg/L	12.057	-	0.901	0.395	0.916	3.25
	EC (field)	µS/cm	1065	-	1410	617	1430	5130
	pH (Field)	pH_Units	6.5 - 8.0	-	6.6	6.8	7.1	8.05
	Temp	°C		-	12.25	12.56	11.2	13.31
	PID Headspace	ppm		-	<1	<1	<1	<1
HM in water - dissolved	Iron (Filtered)	mg/L	1.84	-	0.26	0.67	0.02	8.2
	Manganese (Filtered)	mg/L	1.9	-	0.22	0.18	0.2	0.53
HM in water - total	Iron	mg/L	1.84	-	1.4	2.4	5.2	9.7
	Manganese	mg/L	1.9	-	0.26	0.24	0.26	0.65
Ion Balance	Alkalinity (Carbonate)	mg/L		-	<5	<5	<5	<5
	Alkalinity (Hydroxide) as CaCO3	mg/L		-	<5	<5	<5	<5
	Alkalinity (total) as CaCO3	mg/L	12.283	-	53	24	50	1200
	Alkalinity (Bicarbonate as	mg/L		-	53	24	50	1200
	Calcium (Filtered)	mg/L	2.05	-	32	12	41	55
	Chloride	mg/L	54.49	-	400	170	300	1000
	Ionic Balance	%		-	-3	-6	4	-22
	Magnesium (Filtered)	mg/L	10.05	-	19	8.1	22	33
	Potassium (Filtered)	mg/L	2.282	-	18	8.9	23	150
	Sodium (Filtered)	mg/L	34	-	210	76	190	570
Miscellaneous Inorganics	Sulphate	mg/L	3.1	-	44	11	120	15
	Ammonia as N	mg/L	0.9	-	1.4	0.017	0.91	120
	Fluoride	mg/L		-	<0.1	<0.1	0.1	0.2
	Nitrate (as N)	mg/L	0.7	-	0.2	<0.005	12	0.37
	TOC	mg/L		-	36	18	16	200
Total Phenolics	Phenolics Total	mg/L	0.32	-	<0.05	<0.05	<0.05	<0.05
	TSS	mg/L	33.415	-	23	16	410	66

## Notes

Only EPL Trigger Level Exceedances highlighted

No data collected at S4 as locations was dry