

**Table F4 - Field and Laboratory Results for Surface water - 30 March 2023 (Event Based Sampling)**

Analytes	Units	ANZECC 2000 FW 95%	EPL Groundwater Trigger Levels Licence 6269	S7	L8	
				MP7 30/03/2023	MP8 30/03/2023	
Field	Dissolved Oxygen	mg/L		12.057	4.40	3.02
	EC (field)	µS/cm		1065	6930	3070
	pH (Field)	pH_Units		6.5 - 8.0	9.4	8.3
	Temp	°C			21.8	24.4
	PID Headspace	ppm			<1	<1
HM in water - dissolved	Iron (Filtered)	mg/L		1.84	0.51	71
	Manganese (Filtered)	mg/L	1.9	1.9	<0.1	0.1
HM in water - total	Iron	mg/L		1.84	0.89	1
	Manganese	mg/L	1.9	1.9	22	110
Ion Balance	Alkalinity (Carbonate)	mg/L			380	27
	Alkalinity (Hydroxide) as CaCO3	mg/L			<0.05	<0.05
	Alkalinity (total) as CaCO3	mg/L		12.283	<5	<5
	Alkalinity (Bicarbonate as	mg/L			<5	<5
	Calcium (Filtered)	mg/L		2.05	39	530
	Chloride	mg/L		54.49	39	530
	Ionic Balance	%			19	42
	Magnesium (Filtered)	mg/L		10.05	99	640
	Potassium (Filtered)	mg/L		2.282	0	-13
	Sodium (Filtered)	mg/L		34	6.2	25
Miscellaneous Inorganics	Sulphate	mg/L		3.1	10	97
	Ammonia as N	mg/L	0.9	0.9	65	380
	Fluoride	mg/L			46	46
	Nitrate (as N)	mg/L	0.7	0.7	0.04	7.4
	TOC	mg/L		33.1	0.067	0.37
Total Phenolics	TSS	mg/L		33.415	3.7	6.9
	Phenolics Total	mg/L	0.32	0.32	0.1	0.32

## Notes

Only EPL Trigger Level Exceedances highlighted