

**Table F1 - Field and Laboratory Results for Groundwater - September 2022 - Q1**

Analyte	Units	PQL	ANZECC 2000 FW 95%	EPL Groundwater Trigger Levels Licence 6269	BH1	BH2	BH3	BH4	BH1-2	
					MP1	MP2	MP3	MP12	MP14	
					-	26/09/2022	26/09/2022	26/09/2022	26/09/2022	
Field	Dissolved Oxygen (Filtered)	mg/L			-	56.60	5.20	2.08	2.50	
	EC (Field)	µS/cm		1065	-	1640	2030	2000	1080	
	pH (Field)	pH_Units		6.5 - 8.0	-	6.70	5.90	6.30	5.30	
	PID (Top of Well)	ppm			<1	<1	<1	<1	<1	
	Temp	°C			-	18.10	20.90	19.00	18.00	
Ion Balance	Magnesium (Filtered)	mg/L	0.5	10.05	-	15.00	33.00	29.00	17.00	
Miscellaneous Inorganics	Ammonia as N	mg/L	0.005	0.9	0.9	-	0.08	0.09	0.11	0.03
	Nitrate (as N)	mg/L	0.005	0.7	0.7	-	0.04	0.01	0.01	0.03

Notes

Only EPL Trigger Levels exceedances highlighted

**Table F2 - Field and Laboratory Results for Surface water - September 2022 - Q1**

Analytes	Units	PQL	ANZECC 2000 FW 95%	EPL Groundwater Trigger Levels Licence 6269	S4	S5	S6	S7	L8	
					MP4	MP5	MP6	MP7	MP8	
					27/09/2022	27/09/2022	27/09/2022	27/09/2022	27/09/2022	
Field	Dissolved Oxygen (Filtered)	mg/L		12.057	9.58	7.8	5.6	4.6	1.6	
	EC (field)	µS/cm		1065	71	113	121	780	2560	
	pH (Field)	pH_Units		6.5 - 8.0	6.4	7.6	6.6	7.6	7.8	
	Temp	°C			15.22	14.4	14.5	18	19.6	
HM in water - dissolved	Iron (Filtered)	mg/L	0.01	1.84	0.57	0.49	0.47	0.56	6.6	
	Manganese (Filtered)	mg/L	0.005	1.9	1.9	0.007	0.024	0.014	78	0.26
HM in water - total	Iron	mg/L	0.01	1.84	2.3	2.1	1.9	4.7	6.7	
	Manganese	mg/L	0.005	1.9	1.9	0.029	0.038	0.02	0.11	0.28
Ion Balance	Alkalinity (Carbonate)	mg/L	5		<5	<5	<5	<5	<5	
	Alkalinity (Hydroxide) as CaCO3	mg/L	5		<5	<5	<5	<5	<5	
	Alkalinity (total) as CaCO3	mg/L	5	12.283	12	15	16	85	540	
	Alkalinity (Bicarbonate as	mg/L	5		12	15	16	85	540	
	Calcium (Filtered)	mg/L	0.5	2.05	<0.5	2	2	16	27	
	Chloride	mg/L	1	54.49	13	19	21	130	390	
	Ionic Balance	%			-8	-6	-5	-6	-16	
	Magnesium (Filtered)	mg/L	0.5	10.05	1	1	1	6.3	15	
	Potassium (Filtered)	mg/L	0.5	2.282	0.9	2	2	14	48	
	Sodium (Filtered)	mg/L	0.5	34	10	13	15	81	280	
Sulphate	mg/L	1	3.1	2	3	3	23	15		
Miscellaneous Inorganics	Ammonia as N	mg/L	0.005	0.9	0.9	0.017	0.18	0.21	6.8	80
	Fluoride	mg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	
	Nitrate (as N)	mg/L	0.005	0.7	0.7	0.01	0.23	0.29	3.9	3.3
	TOC	mg/L	1	33.1	16	18	20	38	180	
	TSS	mg/L	5	33.415	280	460	44	450	23	
Total Phenolics	Phenolics Total	mg/L	0.05	0.32	0.32	<0.05	<0.05	<0.05	<0.05	<0.05

Notes

Only EPL Trigger Level Exceedances highlighted