

Table F1 - Field and Laboratory Results for Groundwater - October 2021

Analyte	Units	PQL	ANZECC 2000 FW 95%	EPL Groundwater Trigger Levels Licence 6269	Field_ID	BH1	BH2	BH3	BH4	BH01-2
					LocCode	MP1	MP2	MP3	MP12	MP14
					Sampled Date	25/10/2021	26/10/2021	26/10/2021	26/10/2021	26/10/2021
Field	Dissolved Oxygen (Filtered)	mg/L				0.11	1.94	0.86	0.91	4.92
	EC (field)	uS/cm		1065		0.19	1.50	1.94	1.78	1.44
	pH (Field)	pH_Units		6.5 - 8.0		4.3	5.9	6.1	6.6	5.4
	PID	ppm				<1	<1	<1	<1	<1
	Temp	°C				21.0	18.1	20.1	20.7	18.6
Ion Balance	Magnesium (Filtered)	mg/L	0.5	10.05		1	18	40	32	18
Miscellaneous Inorganics	Ammonia as N	mg/L	0.005	0.9	0.9	0.35	0.092	0.095	0.13	0.047
	Nitrate (as N)	mg/L	0.005	0.7	0.7	<PQL	<PQL	0.05	0.02	0.008

Notes

Only EPL Trigger Levels exceedances highlighted

Table F2 - Field and Laboratory Results for Surface water - October 2021

Analytes	Units	PQL	ANZECC 2000 FW 95%	EPL Groundwater Trigger Levels Licence 6269	Field_ID	S4	S5	S6	S7	L8
					LocCode	MP4	MP5	MP6	MP7	MP8
					Sampled Date	26/10/2021	26/10/2021	26/10/2021	26/10/2021	26/10/2021
Field	Dissolved Oxygen (Filtered)	mg/L		12.057		7.69	7.02	8.59	8.1	7.41
	EC (field)	uS/cm		1065		0.126	0.742	0.389	0.328	3.06
	pH (Field)	pH_Units		6.5 - 8.0		8.7	7.4	7.1	10.8	9.2
	Temp	°C				23.3	17.3	16.6	24.3	22.6
HM in water - dissolved	Iron (Filtered)	mg/L	0.01	1.84		4.5	0.35	1.1	0.01	0.32
	Manganese (Filtered)	mg/L	0.005	1.9	1.9	0.047	0.11	0.21	<PQL	0.41
HM in water - total	Iron	mg/L	0.01	1.84		7.4	2.3	3.5	0.58	2
	Manganese	mg/L	0.005	1.9	1.9	0.071	0.14	0.78	0.036	0.47
Ion Balance	Alkalinity (Carbonate)	mg/L	5			<PQL	<PQL	<PQL	0.032	0.065
	Alkalinity (Hydroxide) as CaCO3	mg/L	5			<PQL	<PQL	<PQL	<PQL	<PQL
	Alkalinity (total) as CaCO3	mg/L	5		12.283		22	31	33	83
	Alkalinity (Bicarbonate as	mg/L	5				22	31	33	51
	Calcium (Filtered)	mg/L	0.5		2.05		2	22	11	33
	Chloride	mg/L	1		54.49		24	150	93	100
	Ionic Balance	%					-2	-5	-3	-11
	Magnesium (Filtered)	mg/L	0.5		10.05		2	14	8.8	8
	Potassium (Filtered)	mg/L	0.5		2.282		3	13	7.8	12
	Sodium (Filtered)	mg/L	0.5		34		18	92	65	47
Miscellaneous Inorganics	Sulphate	mg/L	1		3.1		2	120	61	58
	Ammonia as N	mg/L	0.005	0.9	0.9	<PQL	0.1	0.12	0.017	93
	Fluoride	mg/L	0.1			<PQL	<PQL	<PQL	<PQL	<PQL
	Nitrate (as N)	mg/L	0.005	0.7	0.7	<PQL	0.12	<PQL	0.007	0.45
	TOC	mg/L	1		33.1		44	17	18	18
Total Phenolics	TSS	mg/L	5		33.415		300	130	290	34
	Phenolics Total	mg/L	0.05	0.32	0.32	<PQL	<PQL	<PQL	<PQL	<PQL

Notes

Only EPL Trigger Level Exceedances highlighted