

Table 4 Kyalla 117 Gum Ridge Fm bore comparison September 2022

Analyte	RN041132 (BET-MB022) Count Samples	EQL	EQL Units	RN041132 (BETMB022) 75th percentile	Output Unit	RN041136 (BETMB024) Concentration as of Last Sample Date 7/9/2022	RN041136 (BET-MB024) to RN041132 (BET-MB022) Ratio	75th Percentile Exceedance
Acenaphthene	13	30	µg/L	1	µg/L	<1	NA	Complies
Acenaphthylene	13	30	µg/L	1	µg/L	<1	NA	Complies
Alkalinity (Bicarbonate) as CaCO3	13	30	mg/L	320	mg/L	300	0.9375	Complies
Alkalinity (Carbonate)_as CaCO3	9	17	mg/L	1	mg/L	<1	NA	Complies
Alkalinity (Hydroxide) as CaCO3	13	30	mg/L	1	mg/L	<1	NA	Complies
Alkalinity (Total) as CaCO3	13	30	mg/L	320	mg/L	300	0.9375	Complies
Anions Total	13	0.3	meq/L	13.7	meq/L	13	0.948905109	Complies
Anthracene	13	30	µg/L	1	µg/L	<1	NA	Complies
Arsenic	26	0.06	mg/L	0.004	mg/L	0.002	0.5	Complies
Barium	26	0.06	mg/L	0.06275	mg/L	0.058	0.924302789	Complies
Benz(a)anthracene	13	30	µg/L	1	µg/L	<1	NA	Complies
Benzene	13	30	µg/L	1	µg/L	<1	NA	Complies
Benzo(a)pyrene	13	15	µg/L	0.5	µg/L	<0.5	NA	Complies
Benzo(b&j)fluoranthene	13	30	µg/L	1	µg/L	<1	NA	Complies
Benzo(g,h,i)perylene	13	30	µg/L	1	µg/L	<1	NA	Complies
Benzo(k)fluoranthene	13	30	µg/L	1	µg/L	<1	NA	Complies
Bicarbonate	13			390.4	mg/L	366	0.9375	Complies
Boron	26	3	mg/L	0.22	mg/L	0.22	1	Complies
Butane	13	290	µg/L	0.01	mg/L	<0.01	NA	Complies
Butene	13	290	µg/L	10	µg/L	<10	NA	Complies
C10 - C14 Fraction	13	1500	µg/L	50	µg/L	<50	NA	Complies
C10 - C16 Fraction	13	3000	µg/L	100	µg/L	<100	NA	Complies
C10 - C16 Fraction minus Naphthalene (F2)	13	3000	µg/L	100	µg/L	<100	NA	Complies
C10 - C36 Fraction (Sum)	13	1500	µg/L	50	µg/L	<50	NA	Complies
C10 - C40 Fraction (Sum)	13	3000	µg/L	100	µg/L	<100	NA	Complies
C15 - C28 Fraction	13	3000	µg/L	100	µg/L	<100	NA	Complies
C16 - C34 Fraction	13	3000	µg/L	100	µg/L	<100	NA	Complies

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C29 - C36 Fraction	13	1500	µg/L	50	µg/L	<50	NA	Complies
C34 - C40 Fraction	13	3000	µg/L	100	µg/L	<100	NA	Complies
C6 - C10 Fraction	13	600	µg/L	20	µg/L	<20	NA	Complies
C6 - C10 Fraction minus BTEX (F1)	13	600	µg/L	20	µg/L	<20	NA	Complies
C6 - C9 Fraction	13	600	µg/L	20	µg/L	<20	NA	Complies
Cadmium	26	0.006	mg/L	0.0001	mg/L	<0.0001	NA	Complies
Calcium	13	30	mg/L	92	mg/L	91	0.989130435	Complies
Carcinogenic PAH, BaP TEQ, <LOR=0	12	14	µg/L	0.5	µg/L	<0.5	NA	Complies
Cations Total	13	0.3	meq/L	12.7	meq/L	12.4	0.976377953	Complies
Chloride	13	30	mg/L	166	mg/L	163	0.981927711	Complies
Chromium (III+VI)	26	0.06	mg/L	0.001	mg/L	0.001	1	Complies
Chrysene	13	30	µg/L	1	µg/L	<1	NA	Complies
Copper	26	0.06	mg/L	0.001	mg/L	<0.001	NA	Complies
Dibenz(a,h)anthracene	13	30	µg/L	1	µg/L	<1	NA	Complies
Dissolved Oxygen (Field)	15			0.655	mg/L	0.19	0.290076336	Complies
Electrical Conductivity (Field)	16			1522.25	µS/cm	1550	1.018229594	Exceedance
Electrical Conductivity (Lab)	13	30	µS/cm	1210	µS/cm	1230	1.016528926	Exceedance
Ethane	13	300	µg/L	10	µg/L	<10	NA	Complies
Ethene	13	290	µg/L	10	µg/L	<10	NA	Complies
Ethylbenzene	13	60	µg/L	2	µg/L	<2	NA	Complies
Fluoranthene	13	30	µg/L	1	µg/L	<1	NA	Complies
Fluorene	13	30	µg/L	1	µg/L	<1	NA	Complies
Fluoride	13	3	mg/L	1.4	mg/L	1.3	0.928571429	Complies
Gross alpha activity_	8	0.8	Bq/L	1.55	Bq/L	1.63	1.051612903	Exceedance
Gross beta activity (excluding activity of K-40)	11	2.6	Bq/L	0.54	Bq/L	0.71	1.314814815	Exceedance
Indeno(1,2,3-c,d)pyrene	13	30	µg/L	1	µg/L	<1	NA	Complies
Iron	26	3	mg/L	3.3775	mg/L	3.89	1.151739452	Exceedance
Lead	26	0.06	mg/L	0.001	mg/L	<0.001	NA	Complies

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Lithium	26	0.06	mg/L	0.04475	mg/L	0.044	0.983240223	Complies
Magnesium	13	30	mg/L	40	mg/L	37	0.925	Complies
Manganese	26	0.06	mg/L	0.0345	mg/L	0.053	1.536231884	Exceedance
Mercury	26	0.006	mg/L	0.0001	mg/L	<0.0001	NA	Complies
Methane	13	300	µg/L	0.03	mg/L	0.01	0.333333333	Complies
Naphthalene	24	160	µg/L	5	µg/L	<1	NA	Complies
Nickel	26	0.06	mg/L	0.001	mg/L	0.001	1	Complies
Nitrate (as N)	13	0.3	mg/L	0.01	mg/L	0.02	2	Exceedance
Nitrite (as N)	13	0.3	mg/L	0.01	mg/L	<0.01	NA	Complies
Nitrite + Nitrate (as N)	13	0.3	mg/L	0.01	mg/L	0.02	2	Exceedance
Phenanthrene	13	30	µg/L	1	µg/L	<1	NA	Complies
Potassium	13	30	mg/L	16	mg/L	17	1.0625	Exceedance
Propane	13	300	µg/L	0.01	mg/L	<0.01	NA	Complies
Propene	13	290	µg/L	10	µg/L	<10	NA	Complies
Redox Potential (Field)	15			-140.45	mV	-218.2	1.553577786	Exceedance
Selenium	26	0.6	mg/L	0.01	mg/L	<0.01	NA	Complies
Silicon as Si	12	1.35	mg/L	10.525	mg/L	10.8	1.026128266	Exceedance
Silver	26	0.06	mg/L	0.001	mg/L	<0.001	NA	Complies
Sodium	13	30	mg/L	102	mg/L	100	0.980392157	Complies
SP-EC(Field) normalised to 25 oC	16			1246	µS/cm	1271	1.020064205	Exceedance
Strontium	26	0.06	mg/L	0.795	mg/L	0.764	0.961006289	Complies
Sulphate as SO4	13	30	mg/L	126	mg/L	116	0.920634921	Complies
Sum of BTEX	13	30	µg/L	1	µg/L	<1	NA	Complies
Suspended Solids	13	150	mg/L	8	mg/L	7	0.875	Complies

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Temperature (Field)	12			37.225	°C	36.5	0.980523842	Complies
Toluene	13	60	µg/L	2	µg/L	<2	NA	Complies
Total Dissolved Solids	13	300	mg/L	718	mg/L	692	0.963788301	Complies
Total Reportable PAH	13	15	µg/L	0.5	µg/L	<0.5	NA	Complies
Xylene (m & p)	13	60	µg/L	2	µg/L	<2	NA	Complies
Xylene (o)	13	60	µg/L	2	µg/L	<2	NA	Complies
Xylene Total	13	60	µg/L	2	µg/L	<2	NA	Complies
Zinc	26	0.3	mg/L	0.00875	mg/L	0.014	1.6	Exceedance