

Table 4 Kyalla 117 Gum Ridge Fm bore comparison

Analyte	RN041132 (BET- MB022) Count Samples	Sum of EQL	EQL Units	Output Unit	RN041132 (BETMB022) 75th percentile	RN041136 (BETMB024) Concentration as of Last Sample Date	RN041136 (BET-MB024) to RN041132 (BET-MB022) Ratio	75th Percentile Exceedance
Acenaphthene	18	1	µg/L	µg/L	1	1	1	Complies
Acenaphthylene	18	1	µg/L	µg/L	1	1	1	Complies
Alkalinity (Bicarbonate) as CaCO3	18	1	mg/L	mg/L	318.25	264	0.829536528	Complies
Alkalinity (Carbonate)_as CaCO3	18	1	mg/L	mg/L	1	1	1	Complies
Alkalinity (Hydroxide) as CaCO3	18	1	mg/L	mg/L	1	1	1	Complies
Alkalinity (Total) as CaCO3	18	1	mg/L	mg/L	318.25	264	0.829536528	Complies
Anions Total	18	0.01	meq/L	meq/L	13.7	12.3	0.897810219	Complies
Anthracene	18	1	µg/L	µg/L	1	1	1	Complies
Arsenic (filtered)	18	0.001	mg/L	mg/L	0.00475	0.002	0.421052632	Complies
Barium (filtered)	18	0.001	mg/L	mg/L	0.062	0.06	0.967741935	Complies
Benz(a)anthracene	18	1	µg/L	µg/L	1	1	1	Complies
Benzene	18	1	µg/L	µg/L	1	1	1	Complies
Benzo(a)pyrene	18	0.5	µg/L	µg/L	0.5	0.5	1	Complies
Benzo(b&j)fluoranthene	18	1	µg/L	µg/L	1	1	1	Complies
Benzo(g,h,i)perylene	18	1	µg/L	µg/L	1	1	1	Complies
Benzo(k)fluoranthene	18	1	µg/L	µg/L	1	1	1	Complies
Bicarbonate	18		mg/L	mg/L	388.265	322.08	0.829536528	Complies
Boron (filtered)	18	0.05	mg/L	mg/L	0.22	0.19	0.863636364	Complies
Butane (dissolved)	18	10	µg/L	mg/L	0.01	0.01	1	Complies
Butene (dissolved)	18	10	µg/L	µg/L	10	10	1	Complies
C10 - C14 Fraction	18	50	µg/L	µg/L	50	50	1	Complies
C10 - C16 Fraction	18	100	µg/L	µg/L	100	100	1	Complies
C10 - C16 Fraction minus Naphthalene (F2)	18	100	µg/L	µg/L	100	100	1	Complies

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C10 - C36 Fraction (Sum)	18	50	µg/L	µg/L	50	50	1	Complies
C10 - C40 Fraction (Sum)	18	100	µg/L	µg/L	100	100	1	Complies
C15 - C28 Fraction	18	100	µg/L	µg/L	100	100	1	Complies
C16 - C34 Fraction	18	100	µg/L	µg/L	100	100	1	Complies
C29 - C36 Fraction	18	50	µg/L	µg/L	50	50	1	Complies
C34 - C40 Fraction	18	100	µg/L	µg/L	100	100	1	Complies
C6 - C10 Fraction	18	20	µg/L	µg/L	20	20	1	Complies
C6 - C10 Fraction minus BTEX (F1)	18	20	µg/L	µg/L	20	20	1	Complies
C6 - C9 Fraction	18	20	µg/L	µg/L	20	20	1	Complies
Cadmium (filtered)	18	0.0001	mg/L	mg/L	0.0001	0.0001	1	Complies
Calcium (filtered)	18	1	mg/L	mg/L	92	72	0.782608696	Complies
Carcinogenic PAH, BaP TEQ, <LOR=0	11	0.5	µg/L	µg/L	0.5	0.5	1	Complies
Cations Total	18	0.01	meq/L	meq/L	12.7	11.9	0.937007874	Complies
Chloride	18	1	mg/L	mg/L	165.75	164	0.989441931	Complies
Chromium (III+VI) (filtered)	18	0.001	mg/L	mg/L	0.001	0.001	1	Complies
Chrysene	18	1	µg/L	µg/L	1	1	1	Complies
Copper (filtered)	18	0.001	mg/L	mg/L	0.001	0.001	1	Complies
Dibenz(a,h)anthracene	18	1	µg/L	µg/L	1	1	1	Complies
Dissolved Oxygen (Field)	14	0.01	mg/L	mg/L	0.5225	0.55	1.052631579	Exceedance
Electrical Conductivity (Field)	16	1	µS/cm	µS/cm	1525.25	1518	0.995246681	Complies
Electrical Conductivity (Lab)	18	1	µS/cm	µS/cm	1260	1180	0.936507937	Complies
Ethane (dissolved)	18	10	µg/L	µg/L	10	10	1	Complies
Ethene (dissolved)	18	10	µg/L	µg/L	10	10	1	Complies
Ethylbenzene	18	2	µg/L	µg/L	2	2	1	Complies

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Fluoranthene	18	1	µg/L	µg/L	1	1	1	Complies
Fluorene	18	1	µg/L	µg/L	1	1	1	Complies
Fluoride	18	0.1	mg/L	mg/L	1.4	1.4	1	Complies
Gross alpha activity_	14	0.05	Bq/L	Bq/L	1.5075	1.42	0.941956882	Complies
Gross beta activity (excluding activity of K-40)	14	0.1	Bq/L	Bq/L	0.54	0.46	0.851851852	Complies
Hydrogen sulfide (Headspace Gas)	2			ppm	0	0	NA	Complies
Indeno(1,2,3-c,d)pyrene	18	1	µg/L	µg/L	1	1	1	Complies
Ionic Balance	18	0.01	%	%	6.805	1.6	0.235121234	Complies
Iron (filtered)	18	0.05	mg/L	mg/L	2.6425	3.5	1.324503311	Exceedance
Lead (filtered)	18	0.001	mg/L	mg/L	0.001	0.001	1	Complies
Lithium (filtered)	18	0.001	mg/L	mg/L	0.04475	0.039	0.87150838	Complies
Magnesium (filtered)	18	1	mg/L	mg/L	41	40	0.975609756	Complies
Manganese (filtered)	18	0.001	mg/L	mg/L	0.03075	0.043	1.398373984	Exceedance
Mercury (filtered)	18	0.0001	mg/L	mg/L	0.0001	0.0001	1	Complies
Methane (dissolved)	18	10	µg/L	mg/L	0.02425	0.01	0.412371134	Complies
Naphthalene	35	1	µg/L	µg/L	1	1	1	Complies
Nickel (filtered)	18	0.001	mg/L	mg/L	0.00275	0.001	0.363636364	Complies
Nitrate (as N)	18	0.01	mg/L	mg/L	0.01	0.01	1	Complies
Nitrite (as N)	18	0.01	mg/L	mg/L	0.01	0.01	1	Complies
Nitrite + Nitrate (as N)	18	0.01	mg/L	mg/L	0.01	0.01	1	Complies
pH (Field)	19	0.01	pH Unit	pH_Units	6.98	7.01	1.004297994	Exceedance
pH (Lab)	18	0.01	pH Unit	pH_Units	7.6675	7.78	1.014672318	Exceedance
Phenanthrene	18	1	µg/L	µg/L	1	1	1	Complies

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Potassium (filtered)	18	1	mg/L	mg/L	16	16	1	Complies
Propane (dissolved)	18	10	µg/L	mg/L	0.01	0.01	1	Complies
Propene (dissolved)	18	10	µg/L	µg/L	10	10	1	Complies
Pyrene	18	1	µg/L	µg/L	1	1	1	Complies
Redox Potential (Field)	18	0.1	mV	mV	-133.55	-151.3	1.132909023	Exceedance
Selenium (filtered)	18	0.01	mg/L	mg/L	0.01	0.01	1	Complies
Silicon as Si (filtered)	17	0.05	mg/L	mg/L	10.2	10.5	1.029411765	Exceedance
Silver (filtered)	18	0.001	mg/L	mg/L	0.001	0.001	1	Complies
Sodium (filtered)	18	1	mg/L	mg/L	102	107	1.049019608	Exceedance
SP-EC(Field) normalised to 25 oC	18	1	µS/cm	µS/cm	1244.5	1251	1.005222981	Exceedance
Strontium (filtered)	18	0.001	mg/L	mg/L	0.7905	0.796	1.006957622	Exceedance
Sulphate as SO4	18	1	mg/L	mg/L	135	117	0.866666667	Complies
Sum of BTEX	18	1	µg/L	µg/L	1	1	1	Complies
Suspended Solids	18	5	mg/L	mg/L	10	6	0.6	Complies
Temperature (Field)	20	0.1	°C	°C	37.225	36.1	0.969778375	Complies
Toluene	18	2	µg/L	µg/L	2	2	1	Complies
Total Dissolved Solids	18	10	mg/L	mg/L	742.5	728	0.98047138	Complies
Total Reportable PAH	12	0.5	µg/L	µg/L	0.5	0.5	1	Complies
Xylene (m & p)	18	2	µg/L	µg/L	2	2	1	Complies
Xylene (o)	18	2	µg/L	µg/L	2	2	1	Complies
Xylene Total	18	2	µg/L	µg/L	2	2	1	Complies
Zinc (filtered)	18	0.005	mg/L	mg/L	0.00825	0.008	0.96969697	Complies