

**Table 3 Kyalla 117 Anthony Lagoon Beds bore comparison September 2022**

Analyte	RN040896 (BET-MB021) Count Samples	EQL	EQL Units	Output Unit	RN040896 (BET-MB021) 75th percentile	RN041137 (BET-MB023) Concentration as of Last Sample Date 7/9/2022	RN041137 (BET-MB023) to RN040896 (BET-MB021) Ratio	75th Percentile Exceedance
Acenaphthene	24	1	µg/L	µg/L	1	<1	NA	Complies
Acenaphthylene	24	1	µg/L	µg/L	1	<1	NA	Complies
Alkalinity (Bicarbonate) as CaCO3	24	1	mg/L	mg/L	293.25	304	1.036658142	Exceedance
Alkalinity (Carbonate) as CaCO3	24	1	mg/L	mg/L	1	<1	NA	Complies
Alkalinity (Hydroxide) as CaCO3	24	1	mg/L	mg/L	1	1	1	Complies
Alkalinity (Total) as CaCO3	24	1	mg/L	mg/L	293.25	304	1.036658142	Exceedance
Anions Total	24	0.01	meq/L	meq/L	13.3	11.8	0.887218045	Complies
Anthracene	24	1	µg/L	µg/L	1	<1	NA	Complies
Arsenic	48	0.001	mg/L	mg/L	0.003	0.009	3	Exceedance
Barium	48	0.001	mg/L	mg/L	0.069	0.081	1.173913043	Exceedance
Benz(a)anthracene	24	1	µg/L	µg/L	1	<1	NA	Complies
Benzene	24	1	µg/L	µg/L	1	<1	NA	Complies
Benzo(a)pyrene	24	0.5	µg/L	µg/L	0.5	<0.5	NA	Complies
Benzo(b&j)fluoranthene	24	1	µg/L	µg/L	1	<1	NA	Complies
Benzo(g,h,i)perylene	24	1	µg/L	µg/L	1	<1	NA	Complies
Benzo(k)fluoranthene	24	1	µg/L	µg/L	1	1	1	Complies
Bicarbonate	24			mg/L	357.765	370.88	1.036658142	Exceedance
Boron	48	0.05	mg/L	mg/L	0.22	0.19	0.863636364	Complies
Butane	24	10	µg/L	mg/L	0.01	<0.01	NA	Complies
Butene	24	10	µg/L	µg/L	10	<10	NA	Complies
C10 - C14 Fraction	24	50	µg/L	µg/L	50	<50	NA	Complies
C10 - C16 Fraction	24	100	µg/L	µg/L	100	<100	NA	Complies
C10 - C16 Fraction minus Naphthalene (F2)	24	100	µg/L	µg/L	100	<100	NA	Complies
C10 - C36 Fraction (Sum)	24	50	µg/L	µg/L	50	<50	NA	Complies
C10 - C40 Fraction (Sum)	24	100	µg/L	µg/L	100	<100	NA	Complies

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C15 - C28 Fraction	24	100	µg/L	µg/L	100	<100	NA	Complies
C16 - C34 Fraction	24	100	µg/L	µg/L	100	<100	NA	Complies
C29 - C36 Fraction	24	50	µg/L	µg/L	50	<50	NA	Complies
C34 - C40 Fraction	24	100	µg/L	µg/L	100	<100	NA	Complies
C6 - C10 Fraction	24	20	µg/L	µg/L	20	<20	NA	Complies
C6 - C10 Fraction minus BTEX (F1)	24	20	µg/L	µg/L	20	<20	NA	Complies
C6 - C9 Fraction	24	20	µg/L	µg/L	20	<20	NA	Complies
Cadmium	48	0.0001	mg/L	mg/L	0.0001	0.0001	1	Complies
Calcium	24	1	mg/L	mg/L	82.25	84	1.021276596	Exceedance
Carbonate	15			mg/L	0.6	<1	NA	Complies
Carcinogenic PAH, BaP TEQ, <LOR=0	12	0.5	µg/L	µg/L	0.5	<0.5	NA	Complies
Cations Total	24	0.01	meq/L	meq/L	12.6	11.3	0.896825397	Complies
Chloride	24	1	mg/L	mg/L	172.5	132	0.765217391	Complies
Chromium (III+VI)	48	0.001	mg/L	mg/L	0.001	<0.001	NA	Complies
Chrysene	24	1	µg/L	µg/L	1	1	1	Complies
Copper	48	0.001	mg/L	mg/L	0.001	0.001	1	Complies
Dibenz(a,h)anthracene	24	1	µg/L	µg/L	1	<1	NA	Complies
Dissolved Oxygen (Field)	27			mg/L	1.975	0.33	0.167088608	Complies
Electrical Conductivity (Field)	18			µS/cm	1473.25	1456	0.988291193	Complies
Electrical Conductivity (Lab)	24	1	µS/cm	µS/cm	1205	1120	0.929460581	Complies
Ethane	24	10	µg/L	µg/L	10	<10	NA	Complies
Ethene	24	10	µg/L	µg/L	10	<10	NA	Complies
Ethylbenzene	24	2	µg/L	µg/L	2	<2	NA	Complies
Fluoranthene	24	1	µg/L	µg/L	1	<1	NA	Complies
Fluorene	24	1	µg/L	µg/L	1	<1	NA	Complies
Fluoride	24	0.1	mg/L	mg/L	1.1	1	0.909090909	Complies
Gross alpha activity_	20	0.05	Bq/L	Bq/L	0.3425	0.68	1.98540146	Exceedance

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Gross beta activity (excluding activity of K-40)	20	0.1	Bq/L	Bq/L	0.2225	0.25	1.123595506	Exceedance
Indeno(1,2,3-c,d)pyrene	24	1	µg/L	µg/L	1	<1	NA	Complies
Iron	48	0.05	mg/L	mg/L	1.205	1.96	1.626556017	Exceedance
Lead	48	0.001	mg/L	mg/L	0.001	0.001	1	Complies
Lithium	48	0.001	mg/L	mg/L	0.05225	0.043	0.822966507	Complies
Magnesium	24	1	mg/L	mg/L	41	38	0.926829268	Complies
Manganese	48	0.001	mg/L	mg/L	0.04325	0.068	1.572254335	Exceedance
Mercury	48	0.0001	mg/L	mg/L	0.0001	0.0001	1	Complies
Methane	24	10	µg/L	mg/L	0.0305	0.015	0.491803279	Complies
Naphthalene	24	1	µg/L	µg/L	1	<1	NA	Complies
Nickel	48	0.001	mg/L	mg/L	0.001	0.001	1	Complies
Nitrate (as N)	24	0.01	mg/L	mg/L	0.03	0.04	1.333333333	Exceedance
Nitrite (as N)	24	0.01	mg/L	mg/L	0.01	0.01	1	Complies
Nitrite + Nitrate (as N)	24	0.01	mg/L	mg/L	0.03	0.04	1.333333333	Exceedance
pH (Lab)	24	0.01	pH Unit	pH_Units	7.725	7.75	1.003236246	Exceedance
pH (Field)	32			pH_Units	7.18	7.04	0.980501393	Complies
Phenanthrene	24	1	µg/L	µg/L	1	<1	NA	Complies
Potassium	24	1	mg/L	mg/L	15	16	1.066666667	Exceedance
Propane	24	10	µg/L	mg/L	0.01	<0.01	NA	Complies
Propene	24	10	µg/L	µg/L	10	<0.01	NA	Complies
Pyrene	24	1	µg/L	µg/L	1	<1	NA	Complies
Redox Potential (Field)	28			mV	-51.75	-181	3.497584541	Exceedance
Selenium	48	0.01	mg/L	mg/L	0.01	0.01	1	Complies
Silicon as Si	23	0.05	mg/L	mg/L	10.45	11.6	1.110047847	Exceedance
Silver	48	0.001	mg/L	mg/L	0.001	0.001	1	Complies
Sodium	24	1	mg/L	mg/L	110	83	0.754545455	Complies

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SP-EC(Field) normalised to 25 oC	31			µS/cm	1274	1219	0.956828885	Complies
Strontium	48	0.001	mg/L	mg/L	0.6745	0.601	0.891030393	Complies
Sulphate as SO4	24	1	mg/L	mg/L	140.5	95	0.676156584	Complies
Sum of BTEX	24	1	µg/L	µg/L	1	<1	NA	Complies
Suspended Solids	24	5	mg/L	mg/L	7.25	5	0.689655172	Complies
Temperature (Field)	18			°C	35.575	35.3	0.992269852	Complies
Toluene	24	2	µg/L	µg/L	2	<2	NA	Complies
Total Dissolved Solids	24	10	mg/L	mg/L	713	634	0.889200561	Complies
Total Reportable PAH	19	0.5	µg/L	µg/L	0.5	<0.5	NA	Complies
Xylene (m & p)	24	2	µg/L	µg/L	2	<2	NA	Complies
Xylene (o)	24	2	µg/L	µg/L	2	<2	NA	Complies
Xylene Total	24	2	µg/L	µg/L	2	<2	NA	Complies
Zinc	48	0.005	mg/L	mg/L	0.0395	0.005	0.126582278	Complies