



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
 Casino NSW 2470
Contact: Aidan Macqueen
Sampled by: Wayne Orton
Subcontract Laboratory: QUU (NATA 11085) / Envirolab (NATA 2901)
Subcontract Reference: 17/07649 / 172756
Analysis results apply to samples as received.

Final report

Report no: 17/1236
Date received: 1/08/2017
Testing commenced: 1/08/2017
Date reported: 14/08/2017
No. of samples: 2
Revision no: 00

Raw and Finished Monthly

Sample No.: Sample description: Date sampled:	Unit	Method	LOR	17/1236-1 RVC Finished Water 1/08/2017	17/1236-2 RVC Raw Water 1/08/2017
pH	pH	APHA4500H		7.3	7.9
Electrical Conductivity	µS/cm	APHA2510B	1	321	305
Total Dissolved Solids by calc	mg/L	APHA1030E	2	205	195
Dissolved Oxygen	mg/L	APHA4500OG	0.2	9.96	10.1
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.11	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	37
Colour (True)	Pt-Co	RWL10.02	2	<2	15
Turbidity	NTU	APHA2130B	0.1	0.16	5.7
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	100	113
Suspended Solids	mg/L	APHA2540D	1	1	8
Aluminium (Total)	mg/L	APHA3120B	0.005	0.079	0.35
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.064	0.044
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.56
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.10



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Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.029
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.017
Calcium	mg/L	APHA3120B	0.1	19.6	18.1
Magnesium	mg/L	APHA3120B	0.1	11.6	11.9
Hardness as CaCO ₃	mg/L	APHA2340B	1	97	94
Total Coliforms	MPN/100mL	APHA9223B	1	<1	1,120
<i>E.coli</i>	MPN/100mL	APHA9223B	1	<1	50
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	520
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.06
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	<0.05	<0.05
Total Organic Carbon*	mg/L	Envirolab	1	2	3
Dissolved Organic Carbon*	mg/L	Envirolab	1	2	2
Total Trihalomethanes*	µg/L	Envirolab	1	8	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	<2
Geosmin*	ng/L	UUQ	2	[NA]	<2



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General comments: This report must not be reproduced except in full. This report relates to items tested as specified herein.
Samples tested between date received and date reported. Accredited for compliance with ISO/IEC 17025.
NATA accreditation does not cover the performance of this service. Tests marked with * are subcontracted.
LOR denotes 'Limit of Reporting'

Specific comments:

V. Barnett
Laboratory Analyst
Approved Authoriser