



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
 Casino NSW 2470
Contact: Aidan Macqueen
Sampled by: Gary Mead
Subcontract Laboratory: QUU (NATA 11085) / Envirolab (NATA 2901)
Subcontract Reference: 09466/177132
Analysis results apply to samples as received.

Final report

Report no: 17/1611
Date received: 3/10/2017
Testing commenced: 3/10/2017
Date reported: 7/11/2017
No. of samples: 2
Revision no: 00

Raw and Finished Monthly

Sample No.: Sample description: Date sampled:	Unit	Method	LOR	17/1611-1 RVC Finished Water 3/10/2017	17/1611-2 RVC Raw Water 3/10/2017
pH	pH	APHA4500H		7.5	7.8
Electrical Conductivity	µS/cm	APHA2510B	1	412	378
Total Dissolved Solids by calc	mg/L	APHA1030E	2	264	242
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.8	8.0
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.08	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	28
Colour (True)	Pt-Co	RWL10.02	2	<2	10
Turbidity	NTU	APHA2130B	0.1	0.14	2.7
Alkalinity (as CaCO3)	mg/L	APHA2320B	20	134	144
Suspended Solids	mg/L	APHA2540D	1	1	8
Aluminium (Total)	mg/L	APHA3120B	0.005	0.10	0.23
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.089	0.040
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.19
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.008



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Sample No.: Sample description: Date sampled:	Unit	Method	LOR	17/1611-1 RVC Finished Water 3/10/2017	17/1611-2 RVC Raw Water 3/10/2017
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.055
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Calcium	mg/L	APHA3120B	0.1	27.9	29.1
Magnesium	mg/L	APHA3120B	0.1	17.5	18.1
Hardness as CaCO ₃	mg/L	APHA2340B	1	142	147
Total Coliforms	MPN/100mL	APHA9223B	1	<1	140
<i>E.coli</i>	MPN/100mL	APHA9223B	1	<1	63
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	1,940
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.08
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	25	[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