



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
Casino NSW 2470
Contact: Aidan Macqueen
Sampled by: Gary Mead
Subcontract Laboratory: Envirolab (NATA 2901) / UUQ NATA 11085)
Subcontract Reference: 211119/19-1323

Final report

Report no: 19/0172
Date received: 5/02/2019
Testing commenced: 5/02/2019
Date reported: 18/02/2019
No. of samples: 2
Revision no: 00

Analysis results apply to samples as received.

Raw and Finished Mthly

Sample No.: Sample description:	Unit	Method	LOR	19/0172-1 RVC Finished Water 5/02/2019 11:30	19/0172-2 RVC Raw Water 5/02/2019 08:00
pH	pH	APHA4500H		7.0	8.1
Electrical Conductivity	µS/cm	APHA2510B	1	447	357
Total Dissolved Solids by calc	mg/L	APHA1030E	2	286	228
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.1	8.3
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.03	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	47
Colour (True)	Pt-Co	RWL10.02	2	<2	13
Turbidity	NTU	APHA2130B	0.1	0.18	8.9
Aluminium (Total)	mg/L	APHA3120B	0.005	0.065	0.11
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.062	0.020
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.17
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.007
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.11



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Date sampled: Time sampled:				5/02/2019 11:30	5/02/2019 08:00
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	109	137
Suspended Solids	mg/L	APHA2540D	1	<1	13
Total Organic Carbon*	mg/L	Envirolab	1	5	15
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.15
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
Dissolved Organic Carbon*	mg/L	Envirolab	1	5	12
Total Trihalomethanes*	µg/L	Envirolab	1	29	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	<2
Geosmin*	ng/L	UUQ	2	[NA]	<2
Calcium	mg/L	APHA3120B	0.1	26.6	26.6
Magnesium	mg/L	APHA3120B	0.1	16.5	16.7
Hardness as CaCO ₃	mg/L	APHA2340B	1	134	135
Total Coliforms	MPN/100mL	APHA9223B	1	<1	>120,980
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	8
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	16,950



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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