



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
Casino NSW 2470
Contact: Aidan Macqueen
Sampled by: Michael MacRae
Subcontract Laboratory: Envirolab (NATA 2901) / UUQ (NATA 11085)
Subcontract Reference: 182906 / 18-00276

Final report

Report no: 18/0003
Date received: 2/01/2018
Testing commenced: 2/01/2018
Date reported: 15/01/2018
No. of samples: 2
Revision no: 00

Raw and Finished Mthly

Analysis results apply to samples as received.

Sample No.: Sample description: Date sampled:	Unit	Method	LOR	18/0003-1 RVC Finished Water 2/01/2018	18/0003-2 RVC Raw Water 2/01/2018
pH	pH	APHA4500H		7.2	7.7
Electrical Conductivity	µS/cm	APHA2510B	1	382	278
Total Dissolved Solids by calc	mg/L	APHA1030E	2	244	178
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.3	8.0
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.05	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	48
Colour (True)	Pt-Co	RWL10.02	2	<2	23
Turbidity	NTU	APHA2130B	0.1	<0.10	13
Alkalinity (as CaCO3)	mg/L	APHA2320B	20	95	107
Suspended Solids	mg/L	APHA2540D	1	2	17
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.16
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	0.06	<0.05
Total Organic Carbon*	mg/L	Envirolab	1	2	5



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Dissolved Organic Carbon*	mg/L	Envirolab	1	2	3
Total Trihalomethanes*	µg/L	Envirolab	1	29	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	<2
Geosmin*	ng/L	UUQ	2	[NA]	<2
Aluminium (Total)	mg/L	APHA3120B	0.005	0.073	0.79
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.066	0.076
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.87
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.087
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.067
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Calcium	mg/L	APHA3120B	0.1	19.3	18.8
Magnesium	mg/L	APHA3120B	0.1	12.3	12.1
Hardness as CaCO ₃	mg/L	APHA2340B	1	99	97
Total Coliforms	MPN/100mL	APHA9223B	1	<1	2,708
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	78
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	7,440




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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:


M Window
Laboratory Analyst
Approved Authoriser