



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: 181607/11499
Analysis results apply to samples as received.

Final report

Report no: 17/1968
Date received: 5/12/2017
Testing commenced: 5/12/2017
Date reported: 19/12/2017
No. of samples: 2
Revision no: 00

Raw and Finished Mthly

Sample No.: Sample description: Date sampled:	Unit	Method	LOR	17/1968-1 RVC Finished Water 5/12/2017	17/1968-2 RVC Raw Water 5/12/2017
pH	pH	APHA4500H		7.3	7.7
Electrical Conductivity	µS/cm	APHA2510B	1	434	289
Total Dissolved Solids by calc	mg/L	APHA1030E	2	278	185
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.5	7.1
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.06	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	110
Colour (True)	Pt-Co	RWL10.02	2	<2	46
Turbidity	NTU	APHA2130B	0.1	<0.10	23
Alkalinity (as CaCO3)	mg/L	APHA2320B	20	98	104
Suspended Solids	mg/L	APHA2540D	1	<1	23
Aluminium (Total)	mg/L	APHA3120B	0.005	0.052	1.44
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.052	0.23
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	1.9
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.29



Certificate Of Analysis

Client: Richmond Valley Council

Report no: 17/1968

Sample No.: Sample description: Date sampled:	Unit	Method	LOR	17/1968-1 RVC Finished Water 5/12/2017	17/1968-2 RVC Raw Water 5/12/2017
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.082
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.011
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.17
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	3	5
Dissolved Organic Carbon*	mg/L	Envirolab	1	3	5
Total Trihalomethanes*	µg/L	Envirolab	1	32	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	<5
Geosmin*	ng/L	UUQ	2	[NA]	<5
Calcium	mg/L	APHA3120B	0.1	19.7	21.4
Magnesium	mg/L	APHA3120B	0.1	12.7	13.6
Hardness as CaCO3	mg/L	APHA2340B	1	101	109
Total Coliforms	MPN/100mL	APHA9223B	1	<1	4,128
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	64
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	3,780



Certificate Of Analysis

Client: Richmond Valley Council

Report no: 17/1968

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:

A. Hawthorne
Laboratory Manager
Approved Authoriser