



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
 Casino NSW 2470
Contact: Sandeep Chugh
Sampled by: Michael MacRae
Subcontract Laboratory: Envirolab (NATA 2901) / UUQ (NATA 11085)
Subcontract Reference: 232652/19/11394-B

Final report

Report no: 19/2052
Date received: 4/12/2019
Testing commenced: 4/12/2019
Date reported: 19/12/2019
No. of samples: 2
Revision no: 00

Raw and Finished Mthly

Analysis results apply to samples as received.

Sample No.: Sample description:	Unit	Method	LOR	19/2052-1 RVC Finished Water 4/12/2019 12:55	19/2052-2 RVC Raw Water 4/12/2019 10:30
pH	pH	APHA4500H		7.6	8.5
Electrical Conductivity	µS/cm	APHA2510B	1	467	348
Total Dissolved Solids by calc	mg/L	APHA1030E	2	299	223
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.1	6.4
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.16	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	64
Colour (True)	Pt-Co	RWL10.02	2	<2	11
Turbidity	NTU	APHA2130B	0.1	0.22	7.9
Aluminium (Total)	mg/L	APHA3120B	0.005	0.034	0.092
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.031	<0.005
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.31
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.006
Manganese (Total)	mg/L	APHA3120B	0.005	0.012	0.19



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Date sampled: Time sampled:				4/12/2019 12:55	4/12/2019 10:30
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	133	133
Suspended Solids	mg/L	APHA2540D	1	1	16
Total Organic Carbon*	mg/L	Envirolab	1	2	4
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
Dissolved Organic Carbon*	mg/L	Envirolab	1	2	4
Total Trihalomethanes*	µg/L	Envirolab	1	32	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	4
Geosmin*	ng/L	UUQ	2	[NA]	5
Calcium	mg/L	APHA3120B	0.1	26.8	28.8
Magnesium	mg/L	APHA3120B	0.1	16.2	17.4
Hardness as CaCO ₃	mg/L	APHA2340B	1	134	144
Total Coliforms	MPN/100mL	APHA9223B	1	<1	>120,980
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	13
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	9,150



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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 - Testing
NATA accreditation does not cover the performance of this service. Tests marked with * are subcontracted.
LOR denotes 'Limit of Reporting' < denotes less than; > denotes greater than; ND denotes 'not detected'
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards

Specific comments:

M Window
Laboratory Analyst
Approved Authoriser