



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
Casino NSW 2470  
**Contact:** Sandeep Chugh  
**Sampled by:** M.McRae  
**Subcontract Laboratory:** Envirolab (NATA 2901);UUQ (NATA 11085)  
**Subcontract Reference:** 224748/19/07670

Final report

**Report no:** 19/1364  
**Date received:** 21/08/2019  
**Testing commenced:** 21/08/2019  
**Date reported:** 3/09/2019  
**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	19/1364-1 RVC Finished Water 20/08/2019 11:30	19/1364-2 RVC Raw Water 20/08/2019 11:00
pH	pH	APHA4500H		7.3	7.6
Electrical Conductivity	µS/cm	APHA2510B	1	341	291
Total Dissolved Solids by calc	mg/L	APHA1030E	2	218	186
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.6	7.3
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.06	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	25
Colour (True)	Pt-Co	RWL10.02	2	<2	8
Turbidity	NTU	APHA2130B	0.1	0.11	2.4
Aluminium (Total)	mg/L	APHA3120B	0.005	0.066	0.18
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.041	<0.005
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.34
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.047



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Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Alkalinity (as CaCO <sub>3</sub> )	mg/L	APHA2320B	20	92	103
Suspended Solids	mg/L	APHA2540D	1	<1	5
Total Organic Carbon*	mg/L	Envirolab	1	2	2
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	<0.05
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	1	2
Total Trihalomethanes*	µg/L	Envirolab	1	13	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	<2
Geosmin*	ng/L	UUQ	2	[NA]	<2
Calcium	mg/L	APHA3120B	0.1	18.9	20.3
Magnesium	mg/L	APHA3120B	0.1	12.0	12.6
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	97	103
Total Coliforms	MPN/100mL	APHA9223B	1	<1	2,442
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	8
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	[NT]



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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:**

V. Barnett  
Laboratory Analyst  
Approved Authoriser