



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
 Casino NSW 2470  
**Contact:** Aidan Macqueen  
**Sampled by:** Gary Mead  
**Subcontract Lab:** Envirolab (NATA 2901)/UUQ (NATA 11085)  
**Subcontract Ref:** 207627/18-10921

**Report No.:** 18/1844  
**Revision No.** 00  
**Date received:** 4/12/2018  
**Date commenced:** 4/12/2018  
**Date reported:** 18/12/2018  
**No. of samples:** 2

*Samples analysed as received.*

1	Method No.	Limit of Reporting	Unit	Result
<b>RVC Finished Water 4/12/2018</b>				
pH	APHA4500H		pH	7.1
Electrical Conductivity	APHA2510B	1	µS/cm	359
Total Dissolved Solids by calc	APHA1030E	2	mg/L	230
Dissolved Oxygen	APHA4500OG	0.2	mg/L	8.2
Fluoride - ISE	APHA4500FC	0.05	mg/L	1.13
Colour (Apparent)	RWL10.02	2	Pt-Co	<2
Colour (True)	RWL10.02	2	Pt-Co	<2
Turbidity	APHA2130B	0.1	NTU	<0.10
Aluminium (Total)	APHA3120B	0.005	mg/L	0.046
Aluminium (Dissolved)	APHA3120B	0.005	mg/L	0.042
Iron (Total)	APHA3120B	0.005	mg/L	<0.005
Iron (Dissolved)	APHA3120B	0.005	mg/L	<0.005
Manganese (Total)	APHA3120B	0.005	mg/L	0.005
Manganese (Dissolved)	APHA3120B	0.005	mg/L	<0.005
Alkalinity (as CaCO3)	APHA2320B	20	mg/L	97
Suspended Solids	APHA2540D	1	mg/L	4
Total Organic Carbon*	Envirolab	1	mg/L	4
Phosphorus - Total	RWL 10.07	0.05	mg/L	<0.05
Nitrogen - Nitrite-N	RWL 10.05	0.01	mg/L	<0.01
Nitrogen - Nitrate-N	RWL 10.05	0.05	mg/L	<0.05
Dissolved Organic Carbon*	Envirolab	1	mg/L	3
Total Trihalomethanes*	Envirolab	1	µg/L	19
Calcium	APHA3120B	0.1	mg/L	23.5
Magnesium	APHA3120B	0.1	mg/L	14.8
Hardness as CaCO3	APHA2340B	1	mg/L	120
Total Coliforms	APHA9223B	1	MPN/100mL	<1
<i>E. coli</i>	APHA9223B	1	MPN/100mL	<1
Heterotrophic Plate Count	APHA9215E	2	MPN/mL	<2

This is the Final Report

**Notes:**

A. Hawthorne  
 Laboratory Manager  
 Approved Authoriser



## Certificate Of Analysis

Report No.: 18/1844 cont.

2	Method No.	Limit of Reporting	Unit	Result
<b>RVC Raw Water</b>				
<b>4/12/2018</b>				
pH	APHA4500H		pH	7.6
Electrical Conductivity	APHA2510B	1	µS/cm	302
Total Dissolved Solids by calc	APHA1030E	2	mg/L	193
Dissolved Oxygen	APHA4500OG	0.2	mg/L	7.5
Colour (Apparent)	RWL10.02	2	Pt-Co	47
Colour (True)	RWL10.02	2	Pt-Co	11
Turbidity	APHA2130B	0.1	NTU	8.5
Aluminium (Total)	APHA3120B	0.005	mg/L	0.51
Aluminium (Dissolved)	APHA3120B	0.005	mg/L	0.044
Iron (Total)	APHA3120B	0.005	mg/L	0.73
Iron (Dissolved)	APHA3120B	0.005	mg/L	0.036
Manganese (Total)	APHA3120B	0.005	mg/L	0.12
Manganese (Dissolved)	APHA3120B	0.005	mg/L	0.027
Alkalinity (as CaCO <sub>3</sub> )	APHA2320B	20	mg/L	109
Suspended Solids	APHA2540D	1	mg/L	14
Total Organic Carbon*	Envirolab	1	mg/L	5
Phosphorus - Total	RWL 10.07	0.05	mg/L	0.12
Nitrogen - Nitrite-N	RWL 10.05	0.01	mg/L	<0.01
Nitrogen - Nitrate-N	RWL 10.05	0.05	mg/L	<0.05
Dissolved Organic Carbon*	Envirolab	1	mg/L	5
2-methylisoborneol*	UUQ	2	ng/L	<2
Geosmin*	UUQ	2	ng/L	<2
Calcium	APHA3120B	0.1	mg/L	21.6
Magnesium	APHA3120B	0.1	mg/L	13.8
Hardness as CaCO <sub>3</sub>	APHA2340B	1	mg/L	111
Total Coliforms	APHA9223B	1	MPN/100mL	4,620
<i>E. coli</i>	APHA9223B	1	MPN/100mL	12
Heterotrophic Plate Count	APHA9215E	2	MPN/mL	2,400

This is the Final Report

**Notes:**

This report must not be reproduced except in full.  
This report relates only to the items tested as specified herein.  
Samples analysed between date received and date reported.

  
A. Hawthorne  
Laboratory Manager  
Approved Authoriser

Accredited for compliance with ISO/IEC 17025.  
# NATA accreditation does not cover the performance of this service.  
Tests marked with a '\*' are subcontracted.  
LOR denotes 'Limit of Reporting'.