



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
 Casino NSW 2470  
**Contact:** Aidan Macqueen  
**Sampled by:** Mia Donnelly  
**Subcontract Lab:** Envirolab (NATA 2901) UUQ (NATA 11085)  
**Subcontract Ref:** 198149 / 18-07026  
*Samples analysed as received.*

**Report No.:** 18/1216  
**Revision No.** 00  
**Date received:** 7/08/2018  
**Date commenced:** 7/08/2018  
**Date reported:** 22/08/2018  
**No. of samples:** 2

1	Method No.	Limit of Reporting	Unit	Result
<b>RVC Finished Water</b>				
<b>7/08/2018</b>				
<b>11:30</b>				
pH	APHA4500H		pH	7.8
Electrical Conductivity	APHA2510B	1	µS/cm	358
Total Dissolved Solids by calc	APHA1030E	2	mg/L	229
Dissolved Oxygen	APHA4500OG	0.2	mg/L	9.7
Fluoride - ISE	APHA4500FC	0.05	mg/L	1.14
Colour (Apparent)	RWL10.02	2	Pt-Co	<2
Colour (True)	RWL10.02	2	Pt-Co	<2
Turbidity	APHA2130B	0.1	NTU	0.21
Alkalinity (as CaCO <sub>3</sub> )	APHA2320B	20	mg/L	119
Suspended Solids	APHA2540D	1	mg/L	<1
Total Organic Carbon*	Envirolab	1	mg/L	6
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	18
Aluminium (Total)	APHA3120B	0.005	mg/L	0.13
Aluminium (Dissolved)	APHA3120B	0.005	mg/L	0.090
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
Calcium	APHA3120B	0.1	mg/L	23.7
Magnesium	APHA3120B	0.1	mg/L	16.3
Hardness as CaCO <sub>3</sub>	APHA2340B	1	mg/L	126
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

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 This report relates only to the items tested as specified herein.  
 Samples analysed 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 a '\*' are subcontracted.  
 LOR denotes 'Limit of Reporting'.



# Certificate Of Analysis


Report No.: 18/1216 cont.

2	Method No.	Limit of Reporting	Unit	Result
<b>RVC Raw Water</b>				
<b>7/08/2018</b>				
<b>11:00</b>				
pH	APHA4500H		pH	7.9
Electrical Conductivity	APHA2510B	1	µS/cm	334
Total Dissolved Solids by calc	APHA1030E	2	mg/L	214
Dissolved Oxygen	APHA4500OG	0.2	mg/L	9.1
Colour (Apparent)	RWL10.02	2	Pt-Co	25
Colour (True)	RWL10.02	2	Pt-Co	7
Turbidity	APHA2130B	0.1	NTU	4.2
Alkalinity (as CaCO3)	APHA2320B	20	mg/L	125
Suspended Solids	APHA2540D	1	mg/L	3
Total Organic Carbon*	Envirolab	1	mg/L	6
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
2-methylisoborneol*	UUQ	2	ng/L	<2
Geosmin*	UUQ	2	ng/L	<2
Aluminium (Total)	APHA3120B	0.005	mg/L	0.25
Aluminium (Dissolved)	APHA3120B	0.005	mg/L	0.015
Iron (Total)	APHA3120B	0.005	mg/L	0.26
Iron (Dissolved)	APHA3120B	0.005	mg/L	0.008
Manganese (Total)	APHA3120B	0.005	mg/L	0.035
Manganese (Dissolved)	APHA3120B	0.005	mg/L	<0.005
Calcium	APHA3120B	0.1	mg/L	22.8
Magnesium	APHA3120B	0.1	mg/L	15.4
Hardness as CaCO3	APHA2340B	1	mg/L	120
Total Coliforms	APHA9223B	1	MPN/100mL	361
<i>E. coli</i>	APHA9223B	1	MPN/100mL	34
Heterotrophic Plate Count	APHA9215E	2	MPN/mL	166

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