



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
Casino NSW 2470
Contact: David Cash
Sampled by: Gary Mead
Subcontract Laboratory: Envirolab (NATA 2901) / UUQ (NATA 11085)
Subcontract Reference: 221062/19-6004-B
Analysis results apply to samples as received.

Final report

Report no: 19/1077
Date received: 2/07/2019
Testing commenced: 2/07/2019
Date reported: 16/07/2019
No. of samples: 2
Revision no: 00

Raw and Finished Qrtly

Sample No.: Sample description:	Unit	Method	LOR	19/1077-1 RVC Finished Water 2/07/2019 11:30	19/1077-2 RVC Raw Water 2/07/2019 08:00
pH	pH	APHA4500H		7.6	7.7
Electrical Conductivity	µS/cm	APHA2510B	1	344	267
Total Dissolved Solids by calc	mg/L	APHA1030E	2	220	171
Dissolved Oxygen	mg/L	APHA4500OG	0.2	7.4	8.0
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.06	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	60
Colour (True)	Pt-Co	RWL10.02	2	<2	16
Turbidity	NTU	APHA2130B	0.1	0.11	9.7
Aluminium (Total)	mg/L	APHA3120B	0.005	0.057	0.52
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.050	0.11
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.78
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.17
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.030



Certificate Of Analysis

Client: Richmond Valley Council

Report no: 19/1077

Sample No.: Sample description:	Unit	Method	LOR	19/1077-1 RVC Finished Water 2/07/2019 11:30	19/1077-2 RVC Raw Water 2/07/2019 08:00
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.007
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	92	88
Suspended Solids	mg/L	APHA2540D	1	1	9
Total Organic Carbon*	mg/L	Envirolab	1	2	4
OC/OP in Water - Low*	µg/L	Envirolab	0.006- 0.01	[NA]	<0.01
VHC's*	µg/L	Envirolab	1	D	[NA]
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.07
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	1.4	0.13
Dissolved Organic Carbon*	mg/L	Envirolab	1	2	3
Total Trihalomethanes*	µg/L	Envirolab	1	16	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	<2
Geosmin*	ng/L	UUQ	2	[NA]	<2
Calcium	mg/L	APHA3120B	0.1	16.4	17.4
Magnesium	mg/L	APHA3120B	0.1	10.8	11.4
Hardness as CaCO ₃	mg/L	APHA2340B	1	85	90
Total Coliforms	MPN/100mL	APHA9223B	1	<1	1,226
<i>E.coli</i>	MPN/100mL	APHA9223B	1	<1	47



Certificate Of Analysis


Client: Richmond Valley Council

Report no: 19/1077

Sample No.:	Unit	Method	LOR	19/1077-1	19/1077-2
Sample description:				RVC Finished Water	RVC Raw Water
Date sampled:				2/07/2019	2/07/2019
Time sampled:				11:30	08:00
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	1,120

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: The following VHC's were detected in sample 1077-1 Chloroform 8ug/L, Bromodichloromethane 6ug/L, Dibromochloromethane 2ug/L.


 M Window
 Laboratory Analyst
 Approved Authoriser