

Water - Certificate of Analysis - E25-00-4818

Client:	Richmond Valley Council	Laboratory:	Environmental Analysis Laboratory
Contact:	Lab Results	Contact:	EAL Customer Service Team
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Customer reference:	RVC Casino Consumer Monthly 06/05/2025	Request ID:	EAL /E25-00-4818
Number of samples:	3	Report ID:	E25-00-4818_EALP3_1
Date samples received:	06 May 2025	Issue date:	27 May 2025

Authorised by:	Alex Smith
Position:	Senior Technical Officer



Comments: EAL is a NATA accredited laboratory (14960), accredited for compliance with ISO/IEC 17025 - Testing.

Certificate of Analysis

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Client Sample ID:				Walker St	Sheppard St	North Reservoir
Sample Date:				6 May 2025	6 May 2025	6 May 2025
Sample Time:				10:45	11:00	11:15
Sampled By:				MW	MW	MW
Your Client:				Richmond Valley Council	Richmond Valley Council	Richmond Valley Council
EAL Sample ID:				E25-00-4818-0001	E25-00-4818-0002	E25-00-4818-0003
Parameter	Unit	Method Reference	LOR	---	---	---
pH	units	** Field analysis	---	7.15	7.12	7.18
Turbidity	NTU	** Field analysis	<0.1	0.19	0.18	0.21
Chlorine (Total)	mg/L	** Field analysis	<0.1	1.33	1.27	1.33
Chlorine (Free)	mg/L	** Field analysis	<0.1	1.01	0.97	1.09
Chlorine (Residual)	mg/L	** Field analysis	<0.1	0.32	0.30	0.24
Temperature	Celsius	** Field analysis	---	22	24	21
Dissolved Oxygen	%	** Field analysis	---	101.0	105.0	104.0
NSW Health Pathology Report No.	---	** Subcontracted NSW Health Pathology	---	663419874	663419874	663419874
Total Coliforms	cfu/100 mL	** Subcontracted NSW Health Pathology	<1	<1	<1	<1
E.Coli	cfu/100 mL	** Subcontracted NSW Health Pathology	<1	<1	<1	<1
Total Plate Count	cfu/ml	** Subcontracted NSW Health Pathology	<1	<1	2	1
Silver	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.021	0.021	0.024
Arsenic	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Chromium	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Copper	mg/L	Total Available - APHA 3125 ICPMS	<0.001	0.063	0.011	0.008
Iron	mg/L	Total Available - APHA 3125 ICPMS	<0.005	< 0.005	< 0.005	< 0.005
Manganese	mg/L	Total Available - APHA 3125 ICPMS	<0.001	0.001	0.002	0.002
Nickel	mg/L	Total Available - APHA 3125 ICPMS	<0.001	0.001	< 0.001	0.001
Lead	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Selenium	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Zinc	mg/L	Total Available - APHA 3125 ICPMS	<0.001	0.009	0.004	0.003
Mercury	mg/L	Total Available - APHA 3125 ICPMS	<0.0005	< 0.0005	< 0.0005	< 0.0005
Phosphate	mg/L P	APHA 4500 P-G	<0.005	0.012	0.006	0.007
Nitrate	mg/L N	APHA 4500 NO3-F	<0.005	0.115	0.105	0.110
Nitrite	mg/L N	APHA 4500 NO2-I	<0.005	< 0.005	< 0.005	< 0.005
Ammonia	mg/L N	APHA 4500 NH3-H	<0.005	0.033	< 0.005	< 0.005
True Colour	PtCo	** APHA 2120	<5	< 5	5	< 5
SGS Report No.	---	** Subcontracted SGS Laboratories Australia	---	SE282538	SE282538	SE282538
Chloroform (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	50	51	48
Bromodichloromethane (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	21	22	20
Dibromochloromethane (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	4.6	4.8	4.6
Bromoform (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	<0.5	<0.5	<0.5
Total THM	µg/L	** Subcontracted SGS Laboratories Australia	<2	76	77	73

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Notes:

- ** denotes NATA accreditation does not cover the performance of this service.
- .. denotes not requested, no data/information or no guidelines available.
- All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (available on request or at scu.edu.au/eal).
- Analysis conducted between sample arrival date and reporting date.
- This report is not to be reproduced except in full.
- Results only relate to the item tested.
- Analysis performed according to APHA. 2017. Standard Methods for the Examination of Water & Wastewater, 23rd Edition. Except where stated otherwise.
- Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
- 1:3 Nitric/HCl digest analysed in accordance with APHA 3125 ICPMS.
- mg/L = ppm