

Certificate of Analysis E25-00-1231

Client:	Richmond Valley Council	Laboratory:	Environmental Analysis Laboratory
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Customer reference:	RVC Casino Consumer Monthly	Request ID:	EAL/E25-00-1231
Number of samples:	3	Report ID:	E25-00-1231_EALP3_1
Date samples received:	04 February 2025	Issue date:	19 February 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.

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				Client Sample ID:	Walker St	Sheppard St	North Reservoir
				Sample Date:	4 February 2025	4 February 2025	4 February 2025
				Sample Time:	11:55	12:10	12:20
				Sampled By:	MW	MW	MW
				Your Client:	Richmond Valley Council	Richmond Valley Council	Richmond Valley Council
				EAL Sample ID:	E25-00-1231-0001	E25-00-1231-0002	E25-00-1231-0003
Parameter	Unit	Method Reference	LOR	---	---	---	---
Chloride	mg/L	Total Available - APHA 3125 ICPMS	<10	21.6	22.5	21.4	
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.029	0.029	0.031	
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	0.061	0.016	0.007	
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	< 0.001	0.001	
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	0.014	0.008	0.005	
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	0.016	0.013	0.013	
Nitrate	mg/L N	APHA 4500 NO3-F	<0.005	0.037	0.038	0.027	
Nitrite	mg/L N	APHA 4500 NO2-I	<0.005	0.006	0.007	0.010	
Ammonia	mg/L N	APHA 4500 NH3-H	<0.005	0.005	0.009	0.011	
pH	units	** Field analysis	---	6.98	7.18	7.36	
Turbidity	NTU	** Field analysis	<0.1	0.22	0.16	0.19	
Chlorine (Total)	mg/L	** Field analysis	<0.1	1.10	1.21	1.34	
True Colour	PtCo	** APHA 2120	<5	< 5	< 5	5	
Chlorine (Free)	mg/L	** Field analysis	<0.1	1.07	1.00	1.20	
Chlorine (Residual)	mg/L	** Field analysis	<0.1	< 0.1	0.21	0.14	
Temperature	Celsius	** Field analysis	---	28	28	29	
Dissolved Oxygen	%	** Field analysis	---	98.0	98.0	99.0	
NSW Health Pathology Report No.	---	** Subcontracted NSW Health Pathology	---	475934305	475934305	475934305	
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	<1	3	
SGS Report No.	---	** Subcontracted SGS Laboratories Australia	---	SE277882	SE277882	SE277882	
Chloroform (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	51	54	44	
Bromodichloromethane (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	28	29	25	
Dibromochloromethane (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	9.6	9.6	8.9	
Bromoform (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	0.8	0.8	0.8	
Total THM	µg/L	** Subcontracted SGS Laboratories Australia	<2	89	93	79	

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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