

RESULTS OF WATER ANALYSIS

3 samples supplied by Richmond Valley Council on 1/10/2024. Lab Job No. R9567.

Samples submitted by Water Results. Your Job: RVC Casino Consumer Monthly

Locked Bag 10 CASINO NSW 2470

Parameter	Methods reference	Sample 1	Sample 2	Sample 3
		Walker St, 1/10/24	Sextonville Rd, 1/10/24	North Res, 1/10/24
	Job No.	R9567/1	R9567/2	R9567/3
pH	onsite	7.46	7.26	7.26
Turbidity (NTU)	onsite	0.260	0.280	0.180
True Colour (Pt-Co)	** APHA 2120	12	6	<5
Chlorine (Total) (mg/L)	onsite	0.860	0.890	1.43
Chlorine (Free) (mg/L)	onsite	0.530	0.650	1.29
Chlorine (Residual) (mg/L)	** Calculation	0.330	0.240	0.140
Phosphate (mg/L P)	APHA 4500 P-G	0.006	0.006	<0.005
Nitrate (mg/L N)	APHA 4500 NO ₃ -F	0.081	0.015	0.159
Nitrite (mg/L N)	APHA 4500 NO ₂ -I	<0.005	0.007	0.007
Ammonia (mg/L N)	APHA 4500 NH ₃ -H	0.026	0.021	0.015
Temperature (°C)	onsite	19.2	22.9	20.7
Total Coliforms (cfu/100 ml)	Subcontracted NSW Health Pathology report 442118479	<1	<1	<1
E.Coli (cfu/100 ml)	Subcontracted NSW Health Pathology report 442118479	<1	<1	<1
Total Plate Count (cfu/1 ml)	Subcontracted NSW Health Pathology report 442118479	2	1	4
Silver (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	<0.001	<0.001	<0.001
Aluminium (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	0.023	0.023	0.028
Arsenic (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	<0.001	<0.001	<0.001
Cadmium (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	<0.001	<0.001	<0.001
Chromium (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	<0.001	<0.001	<0.001
Copper (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	0.114	0.003	0.005
Iron (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	0.005	0.006	<0.005
Manganese (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	0.002	<0.001	0.003
Nickel (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	<0.001	<0.001	<0.001
Lead (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	<0.001	<0.001	<0.001
Selenium (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	<0.002	<0.002	<0.002
Zinc (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	0.036	0.006	0.005
Mercury (mg/L)	Total Available - APHA 3125 ICPMS ^{1016 1&2}	<0.0005	<0.0005	<0.0005
TRIHALOMETHANES (THM)				
Chloroform (THM) (µg/L)	Subcontracted: SGS report SE271955	41	62	36
Bromodichloromethane (THM) (µg/L)	Subcontracted: SGS report SE271955	16	24	15
Dibromochloromethane (THM) (µg/L)	Subcontracted: SGS report SE271955	6.3	9.2	5.7
Bromoform (THM) (µg/L)	Subcontracted: SGS report SE271955	0.5	0.6	<0.5
Total THM (µg/L)	Subcontracted: SGS report SE271955	63	96	57

Notes:

- Total metals - samples digested with nitric acid; Total available (acid soluble/ extractable) metals - samples acidified with nitric acid to pH <2; Dissolved metals - samples filtered through 0.45µm cellulose acetate and then acidified with nitric acid prior to analysis
- Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
- 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
- Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
- Analysis conducted between sample arrival date and reporting date.
- ** NATA accreditation does not cover the performance of this service.
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- Results relate only to the samples tested.
- This report was issued on 16/10/2024.

