

RESULTS OF WATER ANALYSIS

3 samples supplied by Richmond Valley Council on 2/07/2024. Lab Job No. R6075.

Samples submitted by Allison Hawthorne. Your Job: RVC Casino Consumer Monthly

Locked Bag 10 CASINO NSW 2470

Parameter	Methods reference	Sample 1	Sample 2	Sample 3
		Walker St	Sheppard St	North Reservoir
	Job No.	R6075/1	R6075/2	R6075/3
True Colour (Pt-Co)	** APHA 2120	<5	<5	<5
Chlorine (Free) (mg/L)	** Inhouse	0.42	1.03	1.20
Chlorine (Total) (mg/L)	** Inhouse	0.48	1.14	1.30
Phosphate (mg/L P)	APHA 4500 P-G	0.012	0.014	0.013
Nitrate (mg/L N)	APHA 4500 NO ₃ -F	0.033	0.044	0.037
Nitrite (mg/L N)	APHA 4500 NO ₂ -I	0.006	0.007	0.007
Ammonia (mg/L N)	APHA 4500 NH ₃ -H	0.008	<0.005	0.006
Silver (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	<0.001	<0.001	<0.001
Aluminium (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	0.019	0.040	0.047
Arsenic (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	<0.001	<0.001	<0.001
Cadmium (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	<0.001	<0.001	<0.001
Chromium (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	<0.001	<0.001	<0.001
Copper (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	0.261	0.010	0.009
Iron (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	<0.005	<0.005	<0.005
Manganese (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	<0.001	<0.001	0.003
Nickel (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	<0.001	<0.001	<0.001
Lead (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	<0.001	<0.001	<0.001
Selenium (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	<0.002	<0.002	<0.002
Zinc (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	0.043	0.007	0.002
Mercury (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	<0.0005	<0.0005	<0.0005
TRIHALOMETHANES (THM)				
Chloroform (THM) (µg/L)	Subcontracted: SGS report SE 267690	25	24	25
Bromodichloromethane (THM) (µg/L)	Subcontracted: SGS report SE 267690	21	17	17
Dibromochloromethane (THM) (µg/L)	Subcontracted: SGS report SE 267690	17	13	12
Bromoform (THM) (µg/L)	Subcontracted: SGS report SE 267690	1.5	1.2	1.1
Total THM (µg/L)	Subcontracted: SGS report SE 267690	64	56	55

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.
- .. Denotes not requested.
- This report is not to be reproduced except in full.
- All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (refer scu.edu.au/eal or on request).
- Results relate only to the samples tested.
- This report was issued on 15/07/2024.

