

DATE OF ISSUE: 31/03/23

REPORT NO: WN230512


Water Analysis Report

REPORT NO:	WN230512	ISSUE DATE:	31/03/23
DATE SAMPLES RECEIVED:	22/03/23	PURCHASE ORDER:	
SAMPLES RECEIVED:	2	COMMENT:	Results relate only to items tested.

SUBMITTER:	David Cash
COMPANY:	Richmond Valley Council
ADDRESS:	Locked Bag 10 CASINO NSW 2470,

METHOD ID	ANALYSIS METHOD
MB402	E.Coli and Total Coliforms in Water
MB407	Heterotrophic Plate Count
W107	EC, pH, Alkalinity & Chloride in water by autotitrator
C806	Calculations **
W112	Turbidity of water
W111	Determination of True and Apparent Colour in Water
W115	Total Suspended Solids and Fixed/Volatile Suspended Solids
C804	Hardness
M670	Elements and Metals by ICP-AES
W110	Organic Carbon in water
M671	Elements and Metals by ICP-MS

REPORT AUTHORISATION

Approved for Release by: 
Steven Leahy
Chemist



Accreditation No. 14173
Accredited for compliance
with ISO/IEC 17025 - Testing



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ANALYSIS RESULTS				
			1	2
Test Description	LOR	UNITS	RVC Finished Water	RVC Raw Water
Date Sampled		Date	21/03/2023	21/03/2023
Sampled By			AH	AH
Time Sampled		Time	10:30:00	10:15:00
Total coliforms in water	1	MPN/100 mL	<1	550
E.Coli in water	1	MPN/100 mL	<1	43
Heterotrophic Plate Count_HPC	2	MPN	<2	
pH		pH units	7.5	7.6
TDS _(calc)	6	mg/L	280	230
Electrical Conductivity	10	µS/cm	420	340
Alkalinity	14	mg/L CaCO ₃	110	120
Turbidity	0.07	NTU	0.12	11
Apparent colour	1	CU	<1.0	79
True Colour	1	CU	<1.0	11
Total Suspended Solids	1.0	mg/L	2.0	11
Hardness	1.0	mg/L CaCO ₃	110	110
Calcium	0.03	mg/L	22	23
Magnesium	0.006	mg/L	13	13
Total Organic Carbon	0.2	mg/L	1.4	3.5
Total Aluminium	1.0	µg/L	26	260
Dissolved Aluminium	1.0	µg/L	21	17
Total Iron	5	µg/L	<5.0	540
Dissolved Iron	0.1	µg/L	0.74	20
Total Manganese	0.5	µg/L	1.9	120
Dissolved Manganese	0.1	µg/L	1.2	67

LABORATORY NOTES

****NATA Accreditation does not cover the performances of this service.**

RVC Raw & Finished Weekly

The analytical range for 2450B-D (Total Suspended Solids Dried at 103-105 degC) is 2.5 to 200 mg/L for a 1000mL sample. Smaller sample volumes may increase the uncertainty of this method.

- Results are expressed on an 'as received' basis unless otherwise stated.
- This report should not be reproduced except in full.
- Samples will be retained for one calendar month from the date of the final report and then discarded.
- Clients wishing to recover their samples must contact the laboratory within this period.
- Sample return is at the clients expense.
- Results for elements analysed by ICP are reported in mg/L for ICP-OES and low level analysis in ug/L for ICP-MS