

Certificate of Analysis E24-00-0329

Client:	Richmond Valley Council	Laboratory:	Environmental Analysis Laboratory
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Customer reference:	RVC Raw & Finished Weekly	Request ID:	EAL/E24-00-0329
Number of samples:	2	Report ID:	E24-00-0329_EALP3_1
Date samples received:	30 October 2024	Issue date:	10 December 2024

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

Request ID: EAL/E24-00-0329 Report ID: E24-00-0329_EALP3_1 Issue date: 10 December 2024

				Client Sample ID:	RVC Finished	RVC Raw
				Sample Date:	29 October 2024	29 October 2024
				Sample Time:	11.20 am	11.00 am
				Sampled By:	MW	MW
				EAL Sample ID:	E24-00-0329-0001	E24-00-0329-0002
Parameter	Unit	Method Reference	LOR	---	---	---
pH	---	APHA 4500-H+ B	---	7.59	7.51	7.51
Electrical Conductivity	dS/m	APHA 2510-B	<0.01	0.331	0.266	0.266
Total Dissolved Salts (Calculation EC x 680)	mg/L	APHA 2510-B	<7	225	181	181
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540-D	<1	< 1	35	35
True Colour	PtCo	** APHA 2120	<5	< 5	23	23
Apparent Colour	PtCo	** APHA 2120	<5	33	312	312
Total Plate Count	cfu/ml	** Inhouse	<1	3	225	225
Total Coliforms	cfu/100 mL	APHA 9222-B	<1	< 1	8800	8800
E.Coli	cfu/100 mL	ColiBlue Membrane Filtration	<1	< 1	120	120
Total Organic Carbon	mg/L	** APHA 5310-B	<0.1	1.71	3.37	3.37
Calcium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	19.0	18.5	18.5
Magnesium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	10.9	10.9	10.9
Aluminium	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	< 0.005	< 0.005	< 0.005
Manganese	mg/L	Dissolved - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	< 0.005	1.00	1.00
Iron	mg/L	Total Available - APHA 3125 ICPMS	<0.005	< 0.005	1.00	1.00
Manganese	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Turbidity	NTU	APHA 2130	<1	< 1	34	34
Bicarbonate Alkalinity	mg CaCO ₃ /L	** APHA 2320	<1	91	101	101

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.
- For conductivity 1 dS/m = 1 mS/cm = 1000 µS/cm.
- mg/L = ppm