

Certificate of Analysis E25-00-1235

Client:	Richmond Valley Council	Laboratory:	Environmental Analysis Laboratory
Contact:	Lab Results	Contact:	EAL Customer Service Team
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Customer reference:	RVC Raw and Finished Monthly	Request ID:	EAL/E25-00-1235
Number of samples:	2	Report ID:	E25-00-1235_EALP3_1
Date samples received:	04 February 2025	Issue date:	04 March 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:	RVC Finished	RVC Raw
				Sample Date:	4 February 2025	4 February 2025
				Sample Time:	10:30am	9:50am
				Sampled By:	CC	CC
				EAL Sample ID:	E25-00-1235-0001	E25-00-1235-0002
Parameter	Unit	Method Reference	LOR	---	---	---
Total Coliforms	cfu/100 mL	APHA 9222-B	<1	< 1	2280	
E.Coli	cfu/100 mL	ColiBlue Membrane Filtration	<1	< 1	80	
pH	---	APHA 4500-H+ B	---	7.41	7.63	
Electrical Conductivity	dS/m	APHA 2510-B	<0.01	0.310	0.259	
Total Dissolved Salts (Calculation EC x 680)	mg/L	APHA 2510-B	<7	211	176	
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540-D	<1	< 1	28	
SGS Report No.	---	** Subcontracted SGS Laboratories Australia	---	SE277776	---	
Chloroform (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	31	---	
Bromodichloromethane (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	20	---	
Dibromochloromethane (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	7.2	---	
Bromoform (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	0.7	---	
Total THM	µg/L	** Subcontracted SGS Laboratories Australia	<2	59	---	
Total Plate Count	cfu/ml	** Inhouse	<1	< 1	---	
Turbidity	NTU	APHA 2130	<1	< 1	27	
Apparent Colour	PtCo	** APHA 2120	<5	22	198	
True Colour	PtCo	** APHA 2120	<5	7	37	
Total Alkalinity	mg CaCO ₃ /L	** APHA 2320	<1	94	106	
Total Organic Carbon	mg/L	** APHA 5310-B	<0.1	1.53	3.76	
Calcium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	18.9	19.1	
Magnesium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	11.4	11.3	
Aluminium	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	0.035	0.021	
Iron	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	0.008	0.078	
Manganese	mg/L	Dissolved - APHA 3125 ICPMS	<0.001	< 0.001	0.025	
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.036	0.311	
Iron	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.010	0.738	
Manganese	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	0.118	
Dissolved Organic Carbon	mg/L	** APHA 5310-B	<1	1.53	3.76	
Nitrate	mg/L N	APHA 4500 NO ₃ -F	<0.005	0.016	0.007	
Total Phosphorus	mg/L P	Inhouse W4	<0.01	0.018	0.180	
Water Hardness	mg/L CaCO ₃ equivalent	** Calculation using Ca and Mg	<1	95	96	
Envirolab Report No.	---	** Subcontracted Envirolab	---	---	PKG-2502-000360	
Geosmin	ng/L	** Subcontracted Envirolab	---	---	<2.0	
2-Methylisoborneol	ng/L	** Subcontracted Envirolab	---	---	<2.0	

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.

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- 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
- For conductivity 1 dS/m = 1 mS/cm = 1000 μ S/cm.