

Certificate of Analysis E24-00-0857

Client:	Richmond Valley Council	Laboratory:	Environmental Analysis Laboratory
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Customer reference:	RVC Raw and Finished Weekly 12/11/2024	Request ID:	EAL/E24-00-0857
Number of samples:	2	Report ID:	E24-00-0857_RCOAP1_1
Date samples received:	13 November 2024	Issue date:	28 November 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

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				Client Sample ID:	RVC Finished	RVC Raw
				Sample Date:	12 November 2024	12 November 2024
				Sample Time:	11:40	10:00
				Sampled By:	RG	CC
				Your Client:	RVC	RVC
				EAL Sample ID:	E24-00-0857-0001	E24-00-0857-0002
Parameter	Unit	Method Reference	LOR	---	---	---
pH	---	APHA 4500-H+ B	---	6.85	6.98	
Electrical Conductivity	dS/m	APHA 2510-B	<0.01	0.343	0.170	
Total Dissolved Salts (Calculation EC x 680)	mg/L	APHA 2510-B	<7	233	116	
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540-D	<1	1	1037	
Turbidity	NTU	APHA 2130	<1	< 1	880	
True Colour	PtCo	** APHA 2120	<5	6	280	
Apparent Colour	PtCo	** APHA 2120	<5	49	4580	
Total Alkalinity	mg CaCO ₃ /L	** APHA 2320	<1	69	61	
Water Hardness	mg/L CaCO ₃ equivalent	** Calculation using Ca and Mg	<1	81	50	
Total Plate Count	cfu/ml	** Inhouse	<1	19	150000	
Total Coliforms	cfu/100 mL	APHA 9222-B	<1	< 1	298000	
E.Coli	cfu/100 mL	ColiBlue Membrane Filtration	<1	< 1	18000	
Total Organic Carbon	mg/L	** APHA 5310-B	<0.1	2.36	9.15	
Calcium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	16.2	9.81	
Magnesium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	9.81	6.17	
Aluminium	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	0.014	0.217	
Iron	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	< 0.005	0.392	
Manganese	mg/L	Dissolved - APHA 3125 ICPMS	<0.001	0.004	0.005	
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.018	6.72	
Iron	mg/L	Total Available - APHA 3125 ICPMS	<0.005	< 0.005	16.2	
Manganese	mg/L	Total Available - APHA 3125 ICPMS	<0.001	0.005	1.17	