

Certificate of Analysis E24-00-0586

Client:	Richmond Valley Council	Laboratory:	Environmental Analysis Laboratory
Contact:	Allison Hawthorne	Contact:	EAL Customer Service Team
Address:	Locked Bag 10, CASINO, NSW 2470, Australia	Address:	PO Box 157, East Lismore NSW 2480 Australia
Telephone:	02 6660 0341	Telephone:	(02) 6620 3678
Email:	allison.hawthorne@richmondvalley.nsw.gov.au	Email:	eal@scu.edu.au

Customer reference:	RVC Raw & Finished Monthly	Request ID:	EAL/E24-00-0586
Number of samples:	3	Report ID:	E24-00-0586_EALP3_1
Date samples received:	06 November 2024	Issue date:	03 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/E24-00-0586 Report ID: E24-00-0586_EALP3_1 Issue date: 03 December 2024

				Client Sample ID:	RVC Finished	RVC Raw
				Sample Date:	5 November 2024	5 November 2024
				Sample Time:	10:40am	9:50am
				Sampled By:	CC	CC
				EAL Sample ID:	E24-00-0586-0001	E24-00-0586-0002
Parameter	Unit	Method Reference	LOR	---	---	---
pH	---	APHA 4500-H+ B	---	7.26	7.57	---
Electrical Conductivity	dS/m	APHA 2510-B	<0.01	0.300	0.282	---
Total Dissolved Salts (Calculation EC x 680)	mg/L	APHA 2510-B	<7	204	192	---
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540-D	<1	1	37	---
Turbidity	NTU	APHA 2130	<1	< 1	34	---
True Colour	PtCo	** APHA 2120	<5	< 5	216	---
Apparent Colour	PtCo	** APHA 2120	<5	< 5	252	---
Total Alkalinity	mg CaCO3/L	** APHA 2320	<1	101	115	---
Water Hardness	mg/L CaCO3 equivalent	** Calculation using Ca and Mg	<1	103	105	---
Total Plate Count	cfu/ml	** Inhouse	<1	1	2540	---
Total Coliforms	cfu/100 mL	APHA 9222-B	<1	<10	10800	---
E.Coli	cfu/100 mL	ColiBlue Membrane Filtration	<1	<10	170	---
Total Organic Carbon	mg/L	** APHA 5310-B	<0.1	1.33	3.14	---
Calcium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	21.2	21.5	---
Magnesium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	12.2	12.5	---
Aluminium	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	0.031	0.198	---
Iron	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	< 0.005	0.529	---
Manganese	mg/L	Dissolved - APHA 3125 ICPMS	<0.001	< 0.001	0.092	---
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.034	0.235	---
Iron	mg/L	Total Available - APHA 3125 ICPMS	<0.005	< 0.005	0.619	---
Manganese	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	0.110	---
Dissolved Organic Carbon	mg/L	** APHA 5310-B	<0.1	1.76	3.31	---
Total Phosphorus	mg/L P	Inhouse W4	<0.01	< 0.01	0.174	---
Nitrate	mg/L N	APHA 4500 NO3-F	<0.005	0.044	0.013	---
Nitrite	mg/L N	APHA 4500 NO2-I	<0.005	< 0.005	0.010	---
SGS Report No.	---	** Subcontracted SGS Laboratories Australia	---	SE274082	---	---
Dichlorodifluoromethane (CFC-12)	µg/L	** Subcontracted SGS Laboratories Australia	<1	<5	---	---
Chloromethane	µg/L	** Subcontracted SGS Laboratories Australia	<1	<5	---	---
Vinyl chloride (Chloroethene)	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.3	---	---
Chloroethane	µg/L	** Subcontracted SGS Laboratories Australia	<1	<5	---	---
Trichlorofluoromethane	µg/L	** Subcontracted SGS Laboratories Australia	<1	<1	---	---
Iodomethane	µg/L	** Subcontracted SGS Laboratories Australia	<5	<5	---	---
1,1-dichloroethene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Dichloromethane (Methylene chloride)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	<5	---	---
Allyl chloride	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<2	---	---
trans-1,2-dichloroethene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,1-dichloroethane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
cis-1,2-dichloroethene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---

Certificate of Analysis

Request ID: EAL/E24-00-0586 Report ID: E24-00-0586_EALP3_1 Issue date: 03 December 2024

				Client Sample ID:	RVC Finished	RVC Raw
				Sample Date:	5 November 2024	5 November 2024
				Sample Time:	10:40am	9:50am
				Sampled By:	CC	CC
				EAL Sample ID:	E24-00-0586-0001	E24-00-0586-0002
Parameter	Unit	Method Reference	LOR	---	---	---
Bromochloromethane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Chloroform (THM)	µg/L	** Subcontracted SGS Laboratories Australia	---	13	---	---
2,2-dichloropropane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,2-dichloroethane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,1,1-trichloroethane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,1-dichloropropene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Carbon tetrachloride	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Dibromomethane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,2-dichloropropane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Trichloroethene (Trichloroethylene -TCE)	µg/L	** Subcontracted SGS Laboratories Australia	---	<0.5	---	---
Bromodichloromethane (THM)	µg/L	** Subcontracted SGS Laboratories Australia	---	6.7	---	---
cis-1,3-dichloropropene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
trans-1,3-dichloropropene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,1,2-trichloroethane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,3-dichloropropane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Dibromochloromethane (THM)	µg/L	** Subcontracted SGS Laboratories Australia	---	3.4	---	---
1,2-dibromoethane (EDB)	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Tetrachloroethene (PerchloroethylenePCE)	µg/L	** Subcontracted SGS Laboratories Australia	---	<0.5	---	---
1,1,1,2-tetrachloroethane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Chlorobenzene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Bromoform (THM)	µg/L	** Subcontracted SGS Laboratories Australia	---	<0.5	---	---
1,1,2,2-tetrachloroethane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,2,3-trichloropropane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
trans-1,4-dichloro-2-butene	µg/L	** Subcontracted SGS Laboratories Australia	<1	<1	---	---
Bromobenzene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
2-chlorotoluene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
4-chlorotoluene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,3-dichlorobenzene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,4-dichlorobenzene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.3	---	---
1,2-dichlorobenzene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,2-dibromo-3-chloropropane	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---

Certificate of Analysis

Request ID: EAL/E24-00-0586 Report ID: E24-00-0586_EALP3_1 Issue date: 03 December 2024

				Client Sample ID:	RVC Finished	RVC Raw
				Sample Date:	5 November 2024	5 November 2024
				Sample Time:	10:40am	9:50am
				Sampled By:	CC	CC
				EAL Sample ID:	E24-00-0586-0001	E24-00-0586-0002
Parameter	Unit	Method Reference	LOR	---	---	---
1,2,4-trichlorobenzene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Hexachlorobutadiene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
1,2,3-trichlorobenzene	µg/L	** Subcontracted SGS Laboratories Australia	<0.1	<0.5	---	---
Total Chlorinated Hydrocarbons VIC EPA	µg/L	** Subcontracted SGS Laboratories Australia	---	23	---	---
Envirolab Report No.	---	** Subcontracted Envirolab	---	---	---	PFK0949
Geosmin	ng/L	** Subcontracted Envirolab	---	---	---	<2.0
2-Methylisoborneol	ng/L	** Subcontracted Envirolab	---	---	---	<2.0