

CERTIFICATE OF ANALYSIS



Accreditation No: 2455
Accredited for compliance
with ISO/IEC 17025 - Testing

Certificate Number	B1467519 [R00]	Page	1/4
Client	Cool Off	Registering Laboratory	Brisbane
Contact	Derrick Addison	Contact	Customer Service Team
Address	271 Jude Road Howlong NSW 2643	Address	52 Brandl Street, Eight Mile Plains, QLD 4113
Telephone	02 6026 5466	Email	admin@symbiolabs.com.au
Order Number	---	Telephone	1300 703 166
Project ID	Water	Date Samples Received	09/02/2024 11:15
Sampler	Customer	Date Analysis Commenced	09/02/2024
Client Job Reference	---	Issue Date	16/02/2024
No. of Samples Registered	1 Sampler: Customer	Receipt Temperature (°C)	22.7
Priority	Normal	Storage Temperature (°C)	4
		Quote Number	---

This report supersedes any previous revision with this reference. This document must not be reproduced, except in full. If samples were provided by the customer, results apply only to the samples 'as received' and responsibility for representative sampling rests with the customer. Water results are reported on an 'as is' basis. Soil and sediment results are reported on a 'dry weight' basis. For other matrices the basis of reporting will be confirmed in the 'Report Comments' section. Measurement Uncertainty is available upon request. If the laboratory was authorised to conduct testing on samples received outside of the specified conditions, all test results may be impacted. Details of samples received outside of the specified conditions are mentioned in the sample description section of this test report.

Definitions

| <: Less Than | >: Greater Than | RP: Result Pending | MPN: Most Probable Number | CFU: Colony Forming Units | ---: Not Received/Not Requested | NA: Not Applicable | ND: Not Detected | LOR: Limit of Reporting | [NT]: Not Tested |
| ~: Estimated | ^ Subcontracted Analysis | TBA: To Be Advised | + Client Specified Limit | ** Potential Holding Time Concern | * Test not covered by NATA scope of accreditation | # Result derived from a calculation and includes results equal to or greater than the LOR |

Authorised By

Name	Position	Accreditation Category
Glen Rangott	Environmental Laboratory Manager, Brisbane	Environmental Chemistry

Sample Information - Client/Sampler Supplied

Sample ID	B1467519/1
Sample Description	Waste Water Sample #8123
Sample Date/Time	2024-02-01 00:00

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Analytical Results

Client Sample Description				Waste Water Sample #8123
Client Sampling date/time				01/02/2024 00:00
Compound/Analyte	LOR	Limit Range+	Units	B1467519/1
				Results
EFF001 - Total Kjeldahl Nitrogen in Water/Effluent (APHA 4500-Norg B.)				
Nitrogen (Kjeldahl)				
Total Kjeldahl Nitrogen	1	---	mg/L	370
EFF004.1 - Nitrogen in Water/Effluent FIA (APHA 4500-NO3 F)				
Nitrate-Nitrogen in Water/Effluent FIA				
Nitrate (as N)	0.005	---	mg/L	<0.005
EFF005.1 - Nitrite N in Water by FIA (APHA 4500-NO2 B)				
Nitrite N in Water by FIA				
Nitrite (as N)	0.005	---	mg/L	<1.0
EFF006 - pH in Water/Effluent (APHA 4500-H+ B)				
pH in Water/Effluent				
pH	---	---	pH Unit	5.70
EFF007 - Electrical Conductivity in Water (APHA 2510 B)				
Electrical Conductivity in Water				
Electrical Conductivity	5	---	µS/cm	1450
EFF009 - Suspended Solids in Water (APHA 2540 D)				
Suspended Solids in Water				
Solids (Suspended)	1	---	mg/L	6800
EFF010 - Dissolved Solids in Water (APHA 2540 C)				
Dissolved Solids in Water				
Dissolved Solids	1	---	mg/L	80
EFF015 - Fluoride in Water (APHA 4500-F C)				
Fluoride in Water				
Fluoride	0.05	---	mg/L	0.09
EFF021 - Oil & Grease (Gravimetric) in Water (APHA 5520 B)				
Oil & Grease (Gravimetric) in Water				
Oil & Grease	2	---	mg/L	1190

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Analytical Results

Client Sample Description				Waste Water Sample #8123
Client Sampling date/time				01/02/2024 00:00
Compound/Analyte	LOR	Limit Range+	Units	B1467519/1
				Results
EFF023 - BOD in Water (APHA 5210 B)				
BOD in Water - Continued				
BOD (5day)	2	---	mg/L	11500
EFF029.1 - Total N / P in Water by FIA (APHA 4500-P I)				
Total N & P in Water by FIA				
Total Phosphorus	0.01	---	mg/L	31
EFF031 - Alkalinity as CaCO3 in water (APHA 2320 B)				
Alkalinity as CaCO3 in water				
Alkalinity Total (CaCO3)	1	---	mg/L	439
Alkalinity Bicarb (CaCO3)	1	---	mg/L	439
Alkalinity Carbonate (CaCO3)	1	---	mg/L	<1
Alkalinity Hydroxide(CaCO3)	1	---	mg/L	<1
Residual Alkalinity	1	---	meq/L	3
EFF041 - Salinity As Total Soluble Salt in Water (1:5) (APHA 2520B/1030E)				
Salinity in Water - Calculation				
Salinity (Total Soluble Salt)#	2	---	mg/L	930
EFF044 - Ammonia N in Water by FIA (APHA 4500-NH3 G)				
Ammonia N in Water by FIA				
Ammonia	0.005	---	mg/L	120
EFF061 - Turbidity in Water (APHA 2130 B)				
Turbidity in Water				
Turbidity	0.1	---	NTU	3800

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Analytical Results

Client Sample Description				Waste Water Sample #8123
Client Sampling date/time				01/02/2024 00:00
Compound/Analyte	LOR	Limit Range+	Units	B1467519/1
				Results
Nitrogen (Total) in Water/Effluent				
Nitrogen (Total) in Water/Effluent - Continued				
Nitrogen (Total) #	1	---	mg/L	370
ENV002 - Anions by IC				
Anions by IC				
Chloride	0.05	---	mg/L	57.6
Sulphate	0.01	---	mg/L	5.4
Dissolved metals in Water by ICPOES				
Dissolved Elements in Water by ICPOES				
Calcium (Dissolved)	0.1	---	mg/L	22
Magnesium (Dissolved)	0.05	---	mg/L	3.8
Acid Extractable (Total) Elements by ICP-AES				
Total Elements in Water by ICPOES				
Calcium (Total)	0.1	---	mg/L	27
Potassium (Total)	0.2	---	mg/L	53
Magnesium (Total)	0.05	---	mg/L	5.3
Sodium (Total)	1	---	mg/L	57
Total metals in water by ICPMS				
Total Elements in Water by ICPMS				
Boron (Total)	0.005	---	mg/L	0.012

Analysis Location

All in-house analysis was completed by Symbio Laboratories - Brisbane.

Report Comments

Laboratory results for pH, chlorine or dissolved oxygen are for information purpose only - testing conducted outside recommended storage time of 0.25hr from sampling.