

CERTIFICATE OF ANALYSIS

Certificate Number	B940159 [R00]	Page	1/2
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
Job Description	Water	Date Samples Received	27/08/2020
Client Job Reference	---	Date Analysis Commenced	27/08/2020
No. of Samples Registered	1 Sampler: Customer	Issue Date	03/09/2020
Priority	Normal	Receipt Temperature (°C)	5.7
		Storage Temperature (°C)	4

ABN: 82 079 645 015



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

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Definitions

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

Authorised By

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

Sample Information - Client/Sampler Supplied

Sample ID	Sample Description	Sample Matrix
B940159/1	Sample Date:2020-08-25; Water sample #5146	Water - General

Analytical Results

Compound/Analyte	Method	LOR	Units	B940159/1
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	1100
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	1.2
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	0.48
pH	EFF006 - pH in Water/Effluent	---	pH Unit	11.25
Electrical Conductivity	EFF007 - Electrical Conductivity in Water	5	µS/cm	3990
Solids (Total)	EFF008 - Total Solids in Water	1	mg/L	20500
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	12800
Chloride	EFF011 - Chloride in Water	2	mg/L	690
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	0.20
Sulphate	EFF016 - Sulphate in Water	5	mg/L	410
Oil & Grease	EFF021 - Oil & Grease (Gravimetric) in Water	2	mg/L	2840
BOD (5day)	EFF023 - BOD in Water	2	mg/L	18700
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	66
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	1100
Potassium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.2	mg/L	230
Calcium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.1	mg/L	170

Analytical Results

Compound/Analyte	Method	LOR	Units	B940159/1
Magnesium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.05	mg/L	17
Sodium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	1	mg/L	930
Boron (Total)	EWM02 - Total metals in water by ICPMS	0.005	mg/L	0.053
Salinity (Total Soluble Salt)#	EFF041 - Salinity Calculation	2	mg/L	2600
Magnesium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.05	mg/L	3.1
Calcium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.1	mg/L	10
Alkalinity Total (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	3060
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	1430
Alkalinity Carbonate (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	1630
Alkalinity Hydroxide(CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	<1
Residual Alkalinity	EFF031 - Alkalinity as CaCO3 in water	1	meq/L	46

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.