

Certificate of Analysis

Contact: John Carter
Customer: Oyster Cove Waterfront CTS 283
Address: PO Box 8319
GCMC QLD 9726
Date Received: 11/09/2019
Date Commenced: 11/09/2019
Time Commenced (Microbiology):
Date Approved: 23/09/2019

Cust Ref: Quote 196
No. of Samples: 3

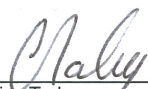
Comments: Samples were collected as per sampling method SS.PM.2.4 (2.9.2) and at sites specified by customer. Test results have been compared to the ANZECC (2000) trigger value ranges for estuarine waters (Table 3.3.4). Trigger values in this guideline are as follows:
Total Phosphorous 0.02mg/L. Total Nitrogen 0.250 mg/L.
Ammonia 0.015 mg/L. Oxidised Nitrogen 0.030 mg/L. Orthophosphorous 0.005mg/L.
Chlorophyll a 2 ug/L pH 7.0 - 8.5 Dissolved oxygen 80 - 120 %
Overall the Nutrient results are again trending lower than 19/09/18 and 26/10/17 results.

For information on Uncertainty of Measurement, please go to <http://www.goldcoast.qld.gov.au/48452.html>

Key: ND = Not detected * = Approximation only < = less than > = greater than EST = Estimated ^ = Test not covered by scope of NATA accreditation LOR = Level of Reporting
NP = Not Performed

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Authorised By


Christine Traby
Senior Scientific Officer

Your feedback is important to us, please submit your comments to scientificservices@goldcoast.qld.gov.au



Accreditation No. 2536
Accredited for compliance
with ISO/IEC 17025 – Testing

Certificate of Analysis

Client Sample ID: 2019016885 2019016886 2019016887

Client Sampling Date: 11/09/2019 11/09/2019 11/09/2019

Client Sampling Time: 1030 1050 1100

Parameter	Units	LoR	Site 1- Pontoon (Pearl Bay)	Site 2- Channel btw Properity Dr & Windchimes Way	Site 3- Lock
APHA 4500 Cl-C : Chloride					
Chloride	mg/L	15	24800	21300	21600
APHA 10200 H : Chlorophyll a					
Chlorophyll a	ug/L	1	3	3	<1.0
APHA 2510 B : Conductivity (insitu)					
Conductivity	mS/cm	0.03	52.7	53.3	53.1
APHA 4500 OG : Dissolved Oxygen (insitu)					
Dissolved Oxygen	mg/L	0.1	6.8	7.1	7.6
Dissolved Oyxgen (%Sat)	% Sat		92	95	101
APHA 4500 H+ : pH (insitu)					
pH		0.03	7.8	7.9	8.0
APHA 2130 B : Turbidity					
Turbidity	NTU	0.1	1.4	2.7	1.6
CMM 6.10.9 : Sulphur/Sulphate (Total) by ICP					
Sulfate	mg/L	1	2760	2770	2850
Sulfur	mg/L	1	910	910	940

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Batch Number : 19090621

Survey Name : Calmwater Lake

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Parameter	Units	LoR	Site 1- Pontoon (Pearl Bay)	Site 2- Channel btw Properity Dr & Windchimes Way	Site 3- Lock
CMM 7.1.2 / CMM 7.2 / CMM 7.3 / CMM 10.1.2 / CMM 10.2 : Nutrients by FIA					
Ammonia Nitrogen	mg/L	0.005	0.007	<0.005	0.005
Orthophosphate Phosphorus	mg/L	0.003	0.007	0.006	0.007
Oxidised Nitrogen	mg/L	0.006	0.006	0.006	<0.006
Total Nitrogen	mg/L	0.05	0.22	0.24	0.20
Total Phosphorus	mg/L	0.005	0.025	0.026	0.023
APHA 2540 C / APHA 2540 D / APHA 2540 E / APHA 2540 G : Solids					
Total Suspended Solids	mg/L	2	4	5	<2