

Certificate of Analysis

Contact: John Carter
Customer: Oyster Cove Waterfront CTS 283
Address: PO Box 8319
GCMC QLD 9726

Date Received: 19/10/2023
Date Commenced: 19/10/2023
Time Commenced (Microbiology):
Date Approved: 27/10/2023

Cust Ref: REC:62408670
No. of Samples: 3

Comments: Samples were collected as per sampling method SS.PM.2.4 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.	Orth phosphorous 0.005mg/L.
Chlorophyll a 2 ug/L	pH 7.0 - 8.5	Dissolved oxygen 80 - 120 %

Total Nitrogen results for this survey have decreased and phosphorous results have increases slightly compared to 2022 results.

For information on Uncertainty of Measurement, please go to <https://www.goldcoast.qld.gov.au/scientific-laboratory-services-16246.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 MPN = Most Probable Number CFU = Colony Forming Units PFU = Plaque Forming Units

This report supersedes any previous report(s) with this reference. This document shall not be reproduced, except in full.

Authorised By


Christine Traby
Senior Scientific Officer

Submission of samples implies acceptance of the Laboratory's Terms and Conditions.

<https://www.goldcoast.qld.gov.au/Services/Water-sewerage/Water-quality/Scientific-Services-laboratory>

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

Certificate of Analysis

Sample ID: 2023020054 2023020055 2023020056					
Sampling Date:		19/10/2023	19/10/2023	19/10/2023	
Sampling Time:		0914	0835	0854	
Parameter	Units	LoR	Site 1- Pontoon (Pearl Bay)	Site 2- Channel btwProperty Dr & Windchimes Way	Site 3- Lock
APHA 4500 Cl-C : Chloride					
Chloride	mg/L	15	20000	28100	20300
APHA 10200 H : Chlorophyll a					
Chlorophyll a	ug/L	1	1	3	3
APHA 2510 B : Conductivity (insitu)					
Conductivity	mS/cm	0.03	54.6	55.4	55.3
APHA 4500 OG : Dissolved Oxygen (insitu)					
Dissolved Oxygen	mg/L	0.1	5.6	6.0	6.7
Dissolved Oxygen (%Sat)	% Sat		81	88	97
APHA 4500 H+ : pH (insitu)					
pH		0.03	7.8	7.8	7.9
APHA 2130 B : Turbidity					
Turbidity	NTU	0.1	1.1	2.9	2.5

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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	0.019	<0.005	<0.005
Organic Nitrogen	mg/L	0.05	0.22	0.23	0.23
Orthophosphate Phosphorus	mg/L	0.003	0.015	0.008	0.008
Oxidised Nitrogen	mg/L	0.006	0.023	0.018	0.015
Total Kjeldahl Nitrogen	mg/L	0.05	0.24	0.23	0.23
Total Nitrogen	mg/L	0.05	0.26	0.25	0.24
Total Phosphorus	mg/L	0.005	0.030	0.027	0.036
APHA 2540 C / APHA 2540 D / APHA 2540 E / APHA 2540 G : Solids					
Total Suspended Solids	mg/L	2	5	10	15