

22 Dalmore Drive Scoresby 3179 Tel. 03 8756 8183 Fax. 03 9763 1862





ALGAL REPORT

CLIENT:	Australian Laboratory Services Pty Ltd SA					
LABORATORY NO./BATCH NO.:	7136728 21-41798					
LOCALITY:	EM2116912-006					
SITE:	Noonameena					
SAMPLE:	Surface					
DATE SAMPLED :	25/08/2021					
DATE ANALYSED :	27/08/2021					
SAMPLED BY:	Sample analysed as received					

COMMENTS: + A moderately diverse algal community was observed. Current combined levels are unlikely to impact water quality.

Sedgewick-Rafter Vol.(ml)	1.0255 Toxigenic				Individual	
Concentration	1 : 1 (T) or Potentially		400	Total Cell Count	Algal Unit	Total Biovolume
Magnification Fields	toxic (P)	- 200x 20	- 100x 500	(cells/mL)	Volume (um3)	(mm3/L)
			000			
BACILLARIOPHYCEAE			T			
Chaetoceros		76	0	3706	200	0.74110
Licmophora		0	4	8	850	0.00663
Nitzschia		0	3	6	400	0.00234
Pennales		0	3	6	300	0.00176
Pennales (small <20um)		0	1	2	251	0.00049
CHLOROPHYCEAE						
Chlorococcoids (<10um)		22	0	1073	60	0.06436
CRYPTOPHYCEAE						
Cryptomonads		15	0	731	320	0.23403
CYANOPHYCEAE						
Planktolyngbya		6	0	293	3.8	0.00111
Synechococcales small (iauv <20)		19	0	926	5.25	0.00486
DINOPHYCEAE						
Gymnodiniales (small)		1	0	49	500	0.02438
OTHER PHYTOPLANKTON						
Other small flagellates		4	0	195	80	0.01560
Prasinophytes		6	0	293	100	0.02925
TOTAL BGA		1219				0.00598
TOTAL TOXIGENIC BGA		0				0.00000
TOTAL POTENTIALLY TOXIC BGA		0				0.00000
TOTAL ALGAE				7288		1.12592

ANALYST: Karen Simonsen (signatory) REVIEWED: Adam Deliyiannis DATE: 27/08/2021
Biologist Biologist

METHOD NO.: MB010/MW024VCA Page 1 of 2



22 Dalmore Drive Scoresby 3179 Tel. 03 8756 8183 Fax. 03 9763 1862



ALGAL REPORT

CLIENT:	Australian Laboratory Services Pty Ltd SA			
LABORATORY NO./BATCH NO. :	7136728 21-41798			
LOCALITY:	EM2116912-006			
SITE:	Noonameena			
SAMPLE:	Surface			
DATE SAMPLED :	25/08/2021			
DATE ANALYSED :	27/08/2021			
SAMPLED BY:	Sample analysed as received			

COMMENTS: + A moderately diverse algal community was observed. Current combined levels are unlikely to impact water quality.

Sedgewick-Rafter Vol.(ml) Concentration	1.0255 1 : 1	Toxigenic (T) or Potentially			Total Cell	Individual Algal Unit	Total
Magnification		toxic (P)	- 200x	- 100x	Count (cells/mL)	Volume	Biovolume (mm3/L)
Fields		*	20	500	(CCII3/IIIL)	(um3)	(111113/12)

⁺ The comments are discretionary and are for the purpose of helping to understand WQ implications. The comments are not accredited by NATA.

The biovolume values reported are those derived from documented information, including scientific literature. These are average values and not those measured on individual samples.

A Certificate of analysis will follow, linked by the above batch number. Independent algal reports are forwarded to clients expeditiously to facilitate operational decision making.

ANALYST: Karen Simonsen (signatory) REVIEWED: Adam Deliyiannis DATE: 27/08/2021
Biologist Biologist

METHOD NO.: MB010/MW024VCA Page 2 of 2

^{*} P's and T's denote those cyanobacteria/blue-green algae (BGA) associated with toxin production in Australian waters. Overseas studies have shown other cyanobacteria to produce toxins. All contain lipopolysaccharides (LPS) in their cell wall and many have been found to produce β-N-methylamino-L-alanine (BMAA) and its analogues. Therefore all cyanobacteria could be considered to pose a level of risk.