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. :	7328739 22-06265
LOCALITY :	EM2201088-010
SITE :	Noonameena
SAMPLE :	Surface
DATE SAMPLED :	21/01/2022
DATE ANALYSED :	1/02/2022
SAMPLED BY :	Sample analysed as received

COMMENTS: + Current algal levels are unlikely to influence water quality.

Sedgewick-Rafter Vol.(ml) 1.0046 **Concentration** 1 : 1 **Magnification** **Fields**	**Toxigenic (T) or Potentially toxic (P)** *	- 200x 20	- 100x 500	**Total Cell Count (cells/mL)**	**Individual Algal Unit Volume (um3)**	**Total Biovolume (mm3/L)**
BACILLARIOPHYCEAE						
Centrales		1	0	50	200	0.00995
Entomoneis		0	1	2	1000	0.00199
Naviculales		2	0	100	1400	0.13936
Nitzschia		42	0	2090	400	0.83615
Pennales		2	0	100	300	0.02986
Pennales (small <20um)		19	0	946	251	0.23736
CHLOROPHYCEAE						
Chlorococcoids (<10um)		18	0	896	60	0.05375
CYANOPHYCEAE						
Anabaena		0	7	14	76	0.00106
Synechococcales small (iauv <20)		965	0	48029	5.25	0.25215
EUGLENOPHYCEAE						
Trachelomonas		0	2	4	3000	0.01195
OTHER PHYTOPLANKTON						
Other small flagellates		2	0	100	80	0.00796
Prasinophytes		3	0	149	100	0.01493

TOTAL BGA	**48043**	**0.25321**
TOTAL TOXIGENIC BGA	**0**	**0.00000**
TOTAL POTENTIALLY TOXIC BGA	**0**	**0.00000**
TOTAL ALGAE	**52480**	**1.59648**

ANALYST: ***Adam Deliyiannis (signatory)*** REVIEWED: ***Kirsten Mudie (signatory)*** DATE: **02/02/2022**
Biologist **Biologist**

METHOD NO.: MB010/MW024VCA

ALS Water
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Sedgewick-Rafter Vol.(ml)	1.0046	**Toxigenic (T) or Potentially toxic (P)**			**Total Cell Count (cells/mL)**	**Individual Algal Unit Volume (um3)**	**Total Biovolume (mm3/L)**
Concentration	1 : 1						
Magnification			- 200x	- 100x			
Fields		*	20	500			

+ 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.

**** 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.***

ANALYST: *Adam Deliyiannis (signatory)* REVIEWED: *Kirsten Mudie (signatory)* DATE: **02/02/2022**

Biologist **Biologist**

METHOD NO.: MB010/MW024VCA