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. :	7394989 22-15545
LOCALITY :	EM2204816-017
SITE :	Stony Well
SAMPLE :	Surface
DATE SAMPLED :	17/03/2022
DATE ANALYSED :	25/03/2022
SAMPLED BY :	Sample analysed as received

COMMENTS: + Current levels will impair water quality and pose health risks.

Sedgewick-Rafter Vol.(ml) 1.0242 **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						
Nitzschia		500	0	24409	400	9.76372
Pennales		12	0	586	300	0.17575
Pennales (small <20um)		7	0	342	251	0.08577
CHLOROPHYCEAE						
Ankistrodesmoideae		2330	0	113747	132	15.01465
Chlorococcoids (<10um)		2130	0	103984	60	6.23902
Oocystis		4	0	195	300	0.05858
CRYPTOPHYCEAE						
Cryptomonads		5	0	244	320	0.07811
CYANOPHYCEAE						
Synechococcales small (iauv <20)		24320	0	1187268	5.25	6.23316
DINOPHYCEAE						
Gymnodiniales		3	0	146	2000	0.29291
Gymnodiniales (small)		1	0	49	500	0.02441
OTHER PHYTOPLANKTON						
Prasinophytes		1	0	49	100	0.00488

TOTAL BGA	**1187268**	**6.23316**
TOTAL TOXIGENIC BGA	**0**	**0.00000**
TOTAL POTENTIALLY TOXIC BGA	**0**	**0.00000**
TOTAL ALGAE	**1431019**	**37.97095**

ANALYST: ***Adam Deliyiannis (signatory)*** REVIEWED: ***Kirsten Mudie (signatory)*** DATE: **25/03/2022**
Biologist **Biologist**

METHOD NO.: MB010/MW024VCA

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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: **25/03/2022**

Biologist **Biologist**

METHOD NO.: MB010/MW024VCA