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. :	7428787 22-19601
LOCALITY :	EM2207234-019
SITE :	1.8km W of Salt Ck
SAMPLE :	Surface
DATE SAMPLED :	21/04/2022
DATE ANALYSED :	27/04/2022
SAMPLED BY :	Sample analysed as received

COMMENTS: + High levels of low biovolume BGA, diatoms and greens will impair water quality.

Sedgewick-Rafter Vol.(ml) 1.024 **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		1240	0	60547	400	24.21875
Pennales		1	0	49	300	0.01465
CHLOROPHYCEAE						
Ankistrodesmoideae		1380	0	67383	132	8.89453
Carteria		1	0	49	300	0.01465
Chlorococcoids (<10um)		3080	0	150391	60	9.02344
Oocystis		12	0	586	300	0.17578
CRYPTOPHYCEAE						
Cryptomonads		2	0	98	320	0.03125
CYANOPHYCEAE						
Limnothrix/Geitlerinema/Anagnostidinema	P	0	240	469	17.5	0.00820
Synechococcales small (iauv <20)		15000	0	732422	5.25	3.84521
DINOPHYCEAE						
Gymnodiniales		39	0	1904	2000	3.80859
Gymnodiniales (small)		3	0	146	500	0.07324
OTHER PHYTOPLANKTON						
Other small flagellates		27	0	1318	80	0.10547
Prasinophytes		1	0	49	100	0.00488
Raphidophytes		1	0	49	7000	0.34180

TOTAL BGA	**732891**	**3.85342**
TOTAL TOXIGENIC BGA	**0**	**0.00000**
TOTAL POTENTIALLY TOXIC BGA	**469**	**0.00820**
TOTAL ALGAE	**1015460**	**50.56045**

ANALYST: ***Kirsten Mudie (signatory)*** REVIEWED: ***Adam Deliyiannis (signatory)*** DATE: **27/04/2022**
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: *Kirsten Mudie (signatory)* REVIEWED: *Adam Deliyiannis (signatory)* DATE: **27/04/2022**
Biologist **Biologist**

METHOD NO.: MB010/MW024VCA