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. :	239337 22-48115
LOCALITY :	EM2210354-010
SITE :	3.2km Sth of Salt Ck
SAMPLE :	Surface
DATE SAMPLED :	2/06/2022
DATE ANALYSED :	14/06/2022
SAMPLED BY :	Sample analysed as received

COMMENTS: + Current levels are likely to impact water quality.

Sedgewick-Rafter Vol.(ml) 1.0272 **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		37	0	1801	400	0.72040
Pennales		3	0	146	300	0.04381
Pennales (small <20um)		1	0	49	251	0.01222
CHLOROPHYCEAE						
Ankistrodesmoideae		3	0	146	132	0.01928
Chlorococcoids (<10um)		1090	0	53057	60	3.18341
CHRYSOPHYCEAE						
Other Chrysophyceae		4	0	195	350	0.06815
CRYPTOPHYCEAE						
Cryptomonads		6	0	292	320	0.09346
CYANOPHYCEAE						
Oscillatoriales (iauv 1-100)	P	0	45	88	60.8	0.00533
Synechococcales small (iauv <20)		5640	0	274533	5.25	1.44130
DINOPHYCEAE						
Gymnodiniales		7	0	341	2000	0.68146
Gymnodiniales (small)		1	0	49	500	0.02434
Peridiniales		5	0	243	5000	1.21690

TOTAL BGA	**274621**	**1.44662**
TOTAL TOXIGENIC BGA	**0**	**0.00000**
TOTAL POTENTIALLY TOXIC BGA	**88**	**0.00533**
TOTAL ALGAE	**330940**	**7.51005**

ANALYST: ***Adam Deliyiannis (signatory)*** REVIEWED: ***Louise Ungemach (signatory)*** DATE: **14/06/2022**
Biologist **Biologist**

METHOD NO.: MB010/MW024VCA

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. :	239337 22-48115
LOCALITY :	EM2210354-010
SITE :	3.2km Sth of Salt Ck
SAMPLE :	Surface
DATE SAMPLED :	2/06/2022
DATE ANALYSED :	14/06/2022
SAMPLED BY :	Sample analysed as received

COMMENTS: + Current levels are likely to impact water quality.

Sedgewick-Rafter Vol.(ml)	1.0272	**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: *Louise Ungemach (signatory)* DATE: **14/06/2022**

Biologist **Biologist**

METHOD NO.: MB010/MW024VCA