PHYTOPLANKTON ANALYSIS REPORT

Report no: 284597
Supercedes Report No:

Depth : N/A
Chlorophyll a: NA
Microcystin equivalents: NA
Date analysed: 15/05/2023

Lims No: L23036191
Date Sampled: 27/04/2023
Analyst: [redacted]

Client ID: 232689
Address: [redacted]
Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water Laboratory Services
Issued On : 16/05/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Anabaena	486	Taste & Odour	71.44	0.051
Coccoid Blue Green Picoplankton	2199006	Filter clogging?	4,178.11	0.992
Phormidium species 1	1041	Potentially toxic, taste & odour	17.48	0.021
Subtotal	2200533		4,267.03	1.064

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	2201000	4267.00	1.060
*** Potentially Toxic Blue Green**	1040	17.50	0.021

Comment:
Debris present in the sample.

*Taxa with potential to produce toxins.
ASU : One ASU (Area Standard Unit) equals 400µm² of algal cells (as cross sectional area)
Biovolume : Biovolume is calculated from cell linear dimensions. Guidelines based on Biovolume.
Coccoid Blue Green Picoplankton: *Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece ; Cyanodictyon*

[redacted]
(PO Box 73) West Ryde NSW 2114

Phycology

Sydney Water Approved Signatory:

[redacted]

Where a result is required to meet a compliance limit or specification the associated uncertainty must be considered.
Uncertainty estimates are available for all accredited test results.

Accreditation No.: 610 Biological testing
Accredited for compliance with ISO/IEC 17025

PHYTOPLANKTON ANALYSIS REPORT

Report no: 284597

Supercedes Report No:

Depth : N/A

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed: 16/05/2023

Lims No: L23036193

Date Sampled: 27/04/2023

Analyst: [redacted]

Client ID: 232693

Address: [redacted]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water Laboratory Services

Issued On : 16/05/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Anabaenopsis	3486	Potentially toxic	240.53	0.413
Anagnostidinema	468		14.13	0.008
Aphanizomenonaceae	1582	Potentially toxic, taste & odour	105.99	0.164
Coccoid Blue Green Picoplankton	2435610	Filter clogging?	4,627.65	1.099
Dolichospermum	10344	Potentially toxic, taste & odour	945.44	1.677
Merismopedia	49113		49.11	0.413
Microcystis	44799	Potentially toxic, taste & odour	1,258.85	1.246
Planktolyngbya	608266	Filter clogging	6,082.66	48.661
Pseudanabaena	583212		4,665.69	5.832
Raphidiopsis	1318		79.47	0.088
Raphidiopsis raciborskii	7813	Potentially toxic, taste & odour	295.33	0.229
Sphaerospermopsis aphanizomenoides	1943		58.29	0.073
Sphaerospermopsis reniformis	17920	Taste & Odour	718.59	0.832
Spirulina	260164		3,902.46	0.969
Subtotal	4026038		23,044.19	61.704

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	4026000	23040.00	61.700
*** Potentially Toxic Blue Green**	68020	2846.00	3.730

Comment:

Debris present in the sample.

[redacted]
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Coccoid Blue Green Picoplankton: *Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece ; Cyanodictyon*

Phycology

Sydney Water Approved Signatory:

[redacted]

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PHYTOPLANKTON ANALYSIS REPORT

Report no: 284597 | *Depth :* N/A

Supercedes Report No: | *Chlorophyll a:* NA

Microcystin equivalents: NA

Date analysed: 15/05/2023

Lims No: L23036195 | *Date Sampled:* 27/04/2023 | *Analyst:* [redacted]

Client ID: 232697 | *Address:* [redacted]

Site:

Client: **Department of Planning and Environment**

Method: **MA71CENT**

Issued By : Sydney Water Laboratory Services
Issued On : 16/05/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Anabaenopsis	468	Potentially toxic	32.29	0.055
Anagnostidinema	33184		1,002.15	0.585
Coccoid Blue Green Picoplankton	2196794	Filter clogging?	4,173.90	0.991
Dolichospermum	139	Potentially toxic, taste & odour	12.70	0.022
Merismopedia	13274		13.27	0.111
Microcystis	2586	Potentially toxic, taste & odour	72.66	0.071
Non toxic Aphanizomenonaceae	520	Taste & Odour	21.32	0.023
Planktolyngbya	230667	Filter clogging	2,306.67	18.453
Pseudanabaena	149181		1,193.44	1.491
Raphidiopsis raciborskii	1129	Potentially toxic, taste & odour	42.67	0.033
Rhabdoderma	2360		60.88	0.031
Sphaerospermopsis reniformis	4645	Taste & Odour	186.26	0.215
Synechococcus cf	1991		24.48	0.013
Subtotal	2636938		9,142.69	22.094

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	2637000	9143.00	22.090
*** Potentially Toxic Blue Green**	4320	160.30	0.181

Comment:
Debris present in the sample.

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Phycology

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