

REPORT

Report no: 284596 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 11/05/2023

Lims No: L23036183 Date Sampled: 28/04/2023 Analyst: [REDACTED]

Client ID: 232703 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Disclaimer: Samples analysed as received.
 Laboratory Services
 Issued On : 16/05/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Anabaenopsis</i>	680	Potentially toxic	46.92	0.080
<i>Anagnostidinema</i>	31525		952.05	0.555
<i>Aphanizomenonaceae</i>	104	Potentially toxic, taste & odour	6.96	0.010
<i>Cocoid Blue Green Picoplankton</i>	924733	Filter clogging?	1,756.99	0.417
<i>Cuspidothrix issatschenkoi</i>	278		14.17	0.015
<i>Dolichospermum affine</i>	1075		43.75	0.049
<i>Dolichospermum flos-aquae</i>	104	Taste & Odour	11.29	0.024
<i>Leptolyngbya</i>	1728		25.05	0.021
<i>Merismopedia</i>	42206		42.20	0.355
<i>Planktolyngbya</i>	12755	Filter clogging	127.55	1.020
<i>Pseudanabaena</i>	104530		836.24	1.045
<i>Raphidiopsis raciborskii</i>	3861	Potentially toxic, taste & odour	145.94	0.113
<i>Romeria</i>	1383		22.12	0.009
<i>Sphaerospermopsis aphanizomenoides</i>	1748		52.44	0.065
<i>Sphaerospermopsis reniformis</i>	1006	Taste & Odour	40.34	0.046
<i>Spirulina</i>	2074		31.11	0.007
<i>Synechococcus cf</i>	3111		38.26	0.020
Subtotal	1132901		4,193.38	3.851

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	1133000	4193.00	3.850
* Potentially Toxic Blue Green	4650	199.80	0.203

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.

Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeothece* ; *Cyanodictyon*

Sydney Water Approved Signatory:



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

REPORT

Report no: 284596

Depth : N/A

Supersedes Report No:

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed: 15/05/2023

Lims No: L23036185

Date Sampled: 28/04/2023

Analyst: [REDACTED]

Client ID: 232707

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	Biovolume mm ³ /L
Cyanophyta (Blue green)				
<i>Anabaenopsis</i>	985	Potentially toxic	67.96	0.116
<i>Anagnostidinema</i>	312		9.42	0.005
<i>Aphanizomenonaceae</i>	347	Potentially toxic, taste & odour	23.24	0.036
<i>Cocoid Blue Green Picoplankton</i>	375203	Filter clogging?	712.88	0.169
<i>Merismopedia</i>	5899		5.89	0.049
<i>Microcystis</i>	415	Potentially toxic, taste & odour	11.66	0.011
<i>Planktolyngbya</i>	7374	Filter clogging	73.74	0.589
<i>Pseudanabaena</i>	1145		9.16	0.011
<i>Sphaerospermopsis aphanizomenoides</i>	347		10.41	0.013
Subtotal	392027		924.36	0.999

	Cells/ mL	ASU/ mL	Biovolume mm ³ /L
Total Blue Green	392000	924.40	0.999
* Potentially Toxic Blue Green	1750	102.90	0.163

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Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeothece*; *Cyanodictyon*

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REPORT

Report no: 284596 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 16/05/2023

Lims No: L23036187 Date Sampled: 28/04/2023 Analyst: [REDACTED]

Client ID: 232711 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)				
<i>Anabaenopsis</i>	846	Potentially toxic	58.37	0.100
<i>Aphanizomenonaceae</i>	1457	Potentially toxic, taste & odour	97.61	0.151
<i>Cocoid Blue Green Picoplankton</i>	1240259	Filter clogging?	2,356.49	0.559
<i>Cuspidothrix issatschenkoi</i>	484		24.68	0.026
<i>Merismopedia</i>	29036		29.03	0.244
<i>Non toxic Aphanizomenonaceae</i>	5390	Taste & Odour	220.99	0.239
<i>Planktolyngbya</i>	38715	Filter clogging	387.15	3.097
<i>Pseudanabaena</i>	69687		557.49	0.696
<i>Raphidiopsis raciborskii</i>	10743	Potentially toxic, taste & odour	406.08	0.315
<i>Sphaerospermopsis aphanizomenoides</i>	13155		394.65	0.495
<i>Sphaerospermopsis reniformis</i>	1006	Taste & Odour	40.34	0.046
<i>Synechococcus cf</i>	2765		34.00	0.018
Subtotal	1413543		4,606.88	5.986

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1414000	4607.00	5.990
* Potentially Toxic Blue Green	13050	562.10	0.566

Comment:
 Debris present in the sample.

*Taxa with potential to produce toxins.

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Biovolume : Biovolume is calculated from cell linear dimensions. Guidelines based on Biovolume.

Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeotheca* ; *Cyanodictyon*

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