

REPORT

Report no: 285626 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 1/06/2023
 Lims No: L23041678 Date Sampled: 13/05/2023 Analyst: [REDACTED]

Client ID: 233721 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Disclaimer: Samples analysed as received.
 Laboratory Services
 Issued On : 03/06/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	974067	Filter clogging?	1,850.72	0.439
Subtotal	974067		1,850.72	0.439
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	974100		1851.00	0.439
* Potentially Toxic Blue Green	0		0.00	0.000

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*

Phycology

Sydney Water Approved Signatory:

[REDACTED], Analyst
[REDACTED], Analyst

[REDACTED], Supervisor ,



Where a result is required to meet a compliance limit or specification the associated uncertainty must be considered.
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Accreditation No.: 610 Biological testing
Accredited for compliance with ISO/IEC 17025

REPORT

Report no: 285626
 Supercedes Report No:

Depth : N/A

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed: 1/06/2023

Lims No: L23041680

Date Sampled: 13/05/2023

Analyst: [REDACTED]

Client ID: 233729

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water
 Laboratory Services
 Issued On : 03/06/2023

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TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	956258	Filter clogging?	1,816.89	0.431
<i>Myxobaktron</i>	1475		25.96	0.007
<i>Pseudanabaena</i>	48375		387.00	0.483
<i>Raphidiopsis raciborskii</i>	3261	Potentially toxic, taste & odour	123.26	0.095
<i>Sphaerospermopsis aphanizomenoides</i>	1127		33.81	0.042
Subtotal	1010496		2,386.92	1.058

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1010000	2387.00	1.060
* Potentially Toxic Blue Green	3260	123.30	0.095

Comment:

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

Phycology

Sydney Water Approved Signatory:

[REDACTED], Analyst
[REDACTED], Analyst

[REDACTED], Supervisor ,



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REPORT

Report no: 285626

Depth : N/A

Supercedes Report No:

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed: 2/06/2023

Lims No: L23041682

Date Sampled: 13/05/2023

Analyst:

Client ID: 233737

Address:

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water

Laboratory Services

Issued On : 03/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	1053045	Filter clogging?	2,000.78	0.475
<i>Cuspidothrix issatschenkoi</i>	867		44.21	0.047
<i>Merismopedia</i>	8849		8.84	0.074
<i>Phormidium species 1</i>	1804	Potentially toxic, taste & odour	30.30	0.036
<i>Planktolyngbya</i>	4425	Filter clogging	44.25	0.354
<i>Pseudanabaena</i>	58404		467.23	0.584
<i>Raphidiopsis raciborskii</i>	5323	Potentially toxic, taste & odour	201.20	0.156
<i>Sphaerospermopsis aphanizomenoides</i>	4881		146.43	0.183
<i>Synechococcus cf</i>	737		9.06	0.004
Subtotal	1138335		2,952.30	1.913

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	1138000	2952.00	1.910
* Potentially Toxic Blue Green	7130	231.50	0.192

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

Phycology

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██████████, Supervisor



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REPORT

Report no: 285626

Depth : N/A

Supersedes Report No:

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed: 2/06/2023

Lims No: L23041684

Date Sampled: 13/05/2023

Analyst: [REDACTED]

Client ID: 233745

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water
Laboratory Services
Issued On : 03/06/2023

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TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	464302	Filter clogging?	882.17	0.209
<i>Merismopedia</i>	8849		8.84	0.074
Subtotal	473151		891.01	0.283
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	473200		891.00	0.283
* Potentially Toxic Blue Green	0		0.00	0.000

Comment:

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

Phycology

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Report no: 285626 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 2/06/2023
 Lims No: L23041686 Date Sampled: 13/05/2023 Analyst: [REDACTED]

Client ID: 233753 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Disclaimer: Samples analysed as received.
 Laboratory Services
 Issued On : 03/06/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>				
<i>Anagnostidinema</i>	867		26.18	0.015
<i>Cocoid Blue Green Picoplankton</i>	239664	Filter clogging?	455.36	0.108
<i>Cuspidothrix issatschenkoi</i>	520		26.52	0.028
<i>Dolichospermum affine</i>	694		28.24	0.032
<i>Leptolyngbya</i>	1943		28.17	0.024
<i>Limnothrix</i>	1179	Potentially toxic	11.79	0.014
<i>Planktolyngbya</i>	2950	Filter clogging	29.50	0.236
<i>Pseudanabaena</i>	1108		8.86	0.011
<i>Raphidiopsis</i>	624	Potentially toxic	37.62	0.042
<i>Raphidiopsis raciborskii</i>	139	Potentially toxic, taste & odour	5.25	0.004
<i>Spirulina</i>	1438		21.57	0.005
Subtotal	251126		679.06	0.519

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	251100	679.10	0.519
* Potentially Toxic Blue Green	1320	17.00	0.018

Comment:

Debris present in the sample.

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

Phycology

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REPORT

Report no: 285626 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 2/06/2023
 Lims No: L23041688 Date Sampled: 13/05/2023 Analyst: [REDACTED]

Client ID: 233761 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Disclaimer: Samples analysed as received.
 Laboratory Services
 Issued On : 03/06/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	1072513	Filter clogging?	2,037.77	0.484
<i>Sphaerospermopsis reniformis</i>	763	Taste & Odour	30.59	0.035
Subtotal	1073276		2,068.36	0.519

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1073000	2068.00	0.519
* Potentially Toxic Blue Green	0	0.00	0.000

Comment:

Debris present in the sample.

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

Phycology

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REPORT

Report no: 285626

Depth : N/A

Supersedes Report No:

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed: 1/06/2023

Lims No: L23041690

Date Sampled: 13/05/2023

Analyst: [REDACTED]

Client ID: 233769

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water

Laboratory Services

Issued On : 03/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>				
<i>Anabaenopsis</i>	555	Potentially toxic	38.29	0.065
<i>Anagnostidinema</i>	278		8.39	0.004
<i>Cocoid Blue Green Picoplankton</i>	17683418	Filter clogging?	33,598.49	7.984
<i>Dolichospermum circinale</i>	902	Potentially toxic, taste & odour	78.38	0.156
<i>Non toxic Aphanizomenonaceae</i>	260	Taste & Odour	10.66	0.011
<i>Planktolyngbya</i>	19247	Filter clogging	192.47	1.539
<i>Raphidiopsis raciborskii</i>	208	Potentially toxic, taste & odour	7.86	0.006
<i>Romeria</i>	1475		23.60	0.009
Subtotal	17706343		33,958.14	9.774
	Cells/ mL		ASU/ mL	Biovolum mm3/L
Total Blue Green	17706000		33960.00	9.770
* Potentially Toxic Blue Green	1670		124.50	0.227

Comment:

Debris present in the sample.

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

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