

REPORT

Report no: 285627 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 1/06/2023
 Lims No: L23041692 Date Sampled: 16/05/2023 Analyst: [REDACTED]

Client ID: 233800 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>	3189223	Filter clogging?	6,059.52	1.439
Subtotal	3189223		6,059.52	1.439

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	3189000	6060.00	1.440
* 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:

██████████, Analyst
██████████, Analyst

██████████, Supervisor



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: 285627 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 1/06/2023
 Lims No: L23041694 Date Sampled: 16/05/2023 Analyst: [REDACTED]

Client ID: 233805 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>Coccoid Blue Green Picoplankton</i>	1674254	Filter clogging?	3,181.08	0.755
<i>Merismopedia</i>	44246		44.24	0.372
Subtotal	1718500		3,225.32	1.127

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1719000	3225.00	1.130
* Potentially Toxic Blue Green	0	0.00	0.000

Comment:

Debris present in the sample.

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

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

Phycology

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REPORT

Report no: 285627 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 1/06/2023
 Lims No: L23041696 Date Sampled: 16/05/2023 Analyst: [REDACTED]

Client ID: 233810 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>Coccoid Blue Green Picoplankton</i>	1541738	Filter clogging?	2,929.30	0.696
<i>Merismopedia</i>	32447		32.44	0.273
Subtotal	1574185		2,961.74	0.969

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1574000	2962.00	0.969
* Potentially Toxic Blue Green	0	0.00	0.000

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.

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

Phycology

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REPORT

Report no: 285627 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 1/06/2023
 Lims No: L23041698 Date Sampled: 16/05/2023 Analyst: [REDACTED]

Client ID: 233815 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
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	3264440	Filter clogging?	6,202.43	1.473
<i>Planktolyngbya</i>	28760	Filter clogging	287.60	2.300
<i>Sphaerospermopsis aphanizomenoides</i>	607		18.21	0.022
<i>Synechococcus cf</i>	737		9.06	0.004
Subtotal	3294544		6,517.30	3.799

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	3295000	6517.00	3.800
* Potentially Toxic Blue Green	0	0.00	0.000

Comment:

Debris present in the sample.

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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*; *Gloeothece* ; *Cyanodictyon*

Phycology

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REPORT

Report no: 285627 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 1/06/2023
 Lims No: L23041700 Date Sampled: 16/05/2023 Analyst: [REDACTED]

Client ID: 233820 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>Coccoid Blue Green Picoplankton</i>	1702571	Filter clogging?	3,234.88	0.768
<i>Merismopedia</i>	8849		8.84	0.074
Subtotal	1711420		3,243.72	0.842
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	1711000		3244.00	0.842
* 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.
 Coccoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeothece*
 ; *Cyanodictyon*

Phycology

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██████████, Supervisor



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REPORT

Report no: 285627

Depth : N/A

Supersedes Report No:

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed: 2/06/2023

Lims No: L23041702

Date Sampled: 16/05/2023

Analyst: [REDACTED]

Client ID: 233825

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>	777	Potentially toxic	53.61	0.092
<i>Cocoid Blue Green Picoplankton</i>	534929	Filter clogging?	1,016.36	0.241
<i>Dolichospermum affine</i>	208		8.46	0.009
<i>Merismopedia</i>	15431		15.43	0.129
<i>Planktolyngbya</i>	64267	Filter clogging	642.67	5.141
<i>Sphaerospermopsis reniformis</i>	1110	Taste & Odour	44.51	0.051
<i>Spirulina</i>	7743		116.14	0.028
Subtotal	624465		1,897.18	5.691

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	624500	1897.00	5.690
* Potentially Toxic Blue Green	777	53.60	0.092

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:

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██████████, Supervisor



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REPORT

Report no: 285627

Depth : N/A

Supersedes Report No:

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed: 2/06/2023

Lims No: L23041704

Date Sampled: 16/05/2023

Analyst: [REDACTED]

Client ID: 233830

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
Cyanophyta (Blue green)				
<i>Coccoid Blue Green Picoplankton</i>	2290373	Filter clogging?	4,351.70	1.034
<i>Merismopedia</i>	8849		8.84	0.074
Subtotal	2299222		4,360.54	1.108

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	2299000	4361.00	1.110
* Potentially Toxic Blue Green	0	0.00	0.000

Comment:

Debris present in the sample.

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

Coccoid 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: 285627 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 2/06/2023
 Lims No: L23041706 Date Sampled: 16/05/2023 Analyst: [REDACTED]

Client ID: 233835 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>	674635	Filter clogging?	1,281.80	0.304
Subtotal	674635		1,281.80	0.304
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	674600		1282.00	0.304
* Potentially Toxic Blue Green	0		0.00	0.000

Comment:

Debris present in the sample.

*Taxa with potential to produce toxins.

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

Phycology

Sydney Water Approved Signatory:

[REDACTED], Analyst
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