

REPORT

Report no: 287372 Depth : N/A
 Supercedes Report No: 285625 Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 1/06/2023
 Analyst: [REDACTED]

Lims No: L23041662 Date Sampled: 12/05/2023

Client ID: 233649 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By: [REDACTED] Disclaimer: Samples analysed as received.
 Commercial Client Representative
 Issued On : 05/07/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Anabaenopsis</i>	468	Potentially toxic	32.29	0.055
<i>Cocoid Blue Green Picoplankton</i>	1482228	Filter clogging?	2,816.23	0.669
<i>Planktolyngbya</i>	25073	Filter clogging	250.73	2.005
<i>Pseudanabaena</i>	104		0.83	0.001
<i>Sphaerospermopsis eucompacta</i>	1108	Taste & Odour	32.79	0.034
<i>Sphaerospermopsis reniformis</i>	1353	Taste & Odour	54.25	0.062
<i>Spirulina</i>	737		11.05	0.002
Subtotal	1511071		3,198.17	2.828

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1511000	3198.00	2.830
* Potentially Toxic Blue Green	468	32.30	0.055

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
[REDACTED], Analyst



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

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 Microcystin equivalents: NA
 Date analysed: 1/06/2023
 Analyst: [REDACTED]

Lims No: L23041664 Date Sampled: 12/05/2023
 Client ID: 233657 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : [REDACTED] Disclaimer: Samples analysed as received.
 Commercial Client Representative
 Issued On : 05/07/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Coccoid Blue Green Picoplankton</i>	2071137	Filter clogging?	3,935.16	0.935
<i>Merismopedia</i>	2950		2.95	0.024
Subtotal	2074087		3,938.11	0.959
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	2074000		3938.00	0.959
* 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

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[REDACTED], Analyst



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 Supercedes Report No: 285625 Chlorophyll a: NA
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 Date analysed: 1/06/2023
 Analyst: [REDACTED]

Lims No: L23041666 Date Sampled: 12/05/2023
 Client ID: 233665 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By: [REDACTED] Disclaimer: Samples analysed as received.
 Commercial Client Representative
 Issued On : 05/07/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	716779	Filter clogging?	1,361.88	0.323
Subtotal	716779		1,361.88	0.323

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	716800	1362.00	0.323
* 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*; *Gloeotheca*; *Cyanodictyon*

Phycology

Sydney Water Approved Signatory:

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[REDACTED], Analyst

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[REDACTED], Analyst



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REPORT

Report no: 287372 Depth : N/A
 Supercedes Report No: 285625 Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 2/06/2023

Lims No: L23041668 Date Sampled: 12/05/2023 Analyst: [REDACTED]

Client ID: 233673 Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : [REDACTED] Disclaimer: Samples analysed as received.
 Commercial Client Representative
 Issued On : 05/07/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	1533110	Filter clogging?	2,912.90	0.692
<i>Dolichospermum affine</i>	17		0.69	0.000
<i>Merismopedia</i>	20574		20.57	0.173
<i>Planktolyngbya</i>	8112	Filter clogging	81.12	0.648
<i>Pseudanabaena</i>	19173		153.38	0.191
<i>Spirulina</i>	737		11.05	0.002
Subtotal	1581723		3,179.71	1.706

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	1582000	3180.00	1.710
* 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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 Date analysed: 1/06/2023
 Analyst: [REDACTED]

Lims No: L23041670

Date Sampled: 12/05/2023

Client ID: 233681

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : [REDACTED]
 Commercial Client Representative
 Issued On : 05/07/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	418082	Filter clogging?	794.35	0.188
Subtotal	418082		794.35	0.188

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	418100	794.40	0.188
* 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*; *Gloeotheca*; *Cyanodictyon*

Phycology

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 Date analysed: 1/06/2023
 Analyst: [REDACTED]

Lims No: L23041672

Date Sampled: 12/05/2023

Client ID: 233689

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : [REDACTED]
 Commercial Client Representative
 Issued On : 05/07/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Coccoid Blue Green Picoplankton</i>	2415810	Filter clogging?	4,590.03	1.090
<i>Planktolyngbya</i>	32447	Filter clogging	324.47	2.595
Subtotal	2448257		4,914.50	3.685

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	2448000	4915.00	3.690
* Potentially Toxic Blue Green	0	0.00	0.000

Comment:

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

Phycology

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 Microcystin equivalents: NA
 Date analysed: 1/06/2023
 Analyst: [REDACTED]

Lims No: L23041674 Date Sampled: 12/05/2023
 Client ID: 233697 Address: [REDACTED]
 Site: [REDACTED]

Client: Department of Planning and Environment

Method: MA71CENT Issued By : [REDACTED] Disclaimer: Samples analysed as received.
 Commercial Client Representative
 Issued On : 05/07/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	1183017	Filter clogging?	2,247.73	0.534
<i>Planktolyngbya</i>	9587	Filter clogging	95.87	0.766
<i>Synechococcus cf</i>	737		9.06	0.004
Subtotal	1193341		2,352.66	1.304

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1193000	2353.00	1.300
* 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*

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 Supercedes Report No: 285625 Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 1/06/2023
 Analyst: [REDACTED]

Lims No: L23041676 Date Sampled: 12/05/2023
 Client ID: 233705 Address: [REDACTED]
 Site:
 Client: Department of Planning and Environment

Method: MA71CENT Issued By : [REDACTED] Disclaimer: Samples analysed as received.
 Commercial Client Representative
 Issued On : 05/07/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Coccoid Blue Green Picoplankton</i>	1543287	Filter clogging?	2,932.24	0.696
<i>Merismopedia</i>	17698		17.69	0.149
<i>Synechococcus cf</i>	1475		18.14	0.009
Subtotal	1562460		2,968.07	0.854

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1562000	2968.00	0.854
* 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*

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