

REPORT

Report no: 287373 Depth : N/A
 Supercedes Report No: 287133 Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 29/06/2023
 Analyst: [REDACTED]

Lims No: L23050836

Date Sampled: 13/06/2023

Client ID: B1-6

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>	2339044	Filter clogging?	4,444.18	1.056
<i>Spirulina</i>	3761		56.41	0.014
Subtotal	2342805		4,500.59	1.070

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	2343000	4501.00	1.070
* 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



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: 287373 Depth : N/A
 Supercedes Report No: 287133 Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 29/06/2023

Lims No: L23050837 Date Sampled: 13/06/2023 Analyst: [REDACTED]

Client ID: B2-6 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>	1130475	Filter clogging?	2,147.90	0.510
<i>Microcystis</i>	2655	Potentially toxic, taste & odour	74.60	0.073
<i>Myxobaktron</i>	737		12.97	0.003
<i>Planktolyngbya</i>	8849	Filter clogging	88.49	0.707
<i>Spirulina</i>	1475		22.12	0.005
<i>Synechococcus cf</i>	3540		43.54	0.023
Subtotal	1147731		2,389.62	1.321
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	1148000		2390.00	1.320
* Potentially Toxic Blue Green	2660		74.60	0.073

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*

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REPORT

Report no: 287373 Depth : N/A
 Supercedes Report No: 287133 Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 30/06/2023

Lims No: L23050838 Date Sampled: 13/06/2023 Analyst: [REDACTED]

Client ID: E1-6 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>	364	Potentially toxic	25.11	0.043
<i>Cocoid Blue Green Picoplankton</i>	985571	Filter clogging?	1,872.58	0.444
<i>Merismopedia</i>	26547		26.54	0.223
<i>Microcystis</i>	3097	Potentially toxic, taste & odour	87.02	0.086
<i>Spirulina</i>	3687		55.30	0.013
<i>Synechococcus cf</i>	2212		27.20	0.014
Subtotal	1021478		2,093.75	0.823

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	1021000	2094.00	0.823
* Potentially Toxic Blue Green	3460	112.10	0.129

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

Sydney Water Approved Signatory:

██████████, Analyst

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REPORT

Report no: 287373 Depth : N/A
 Supercedes Report No: 287133 Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 30/06/2023

Lims No: L23050840 Date Sampled: 13/06/2023 Analyst: [REDACTED]

Client ID: E3-6 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)				
Coccioid Blue Green Picoplankton	626960	Filter clogging?	1,191.22	0.283
Subtotal	626960		1,191.22	0.283

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	627000	1191.00	0.283
* 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.

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

Phycology

Sydney Water Approved Signatory:

[REDACTED], Analyst [REDACTED], Analyst ,



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Phycology

Sydney Water Approved Signatory:

██████████, Analyst

██████████, Analyst



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REPORT

Report no: 287373 Depth : N/A
 Supercedes Report No: 287133 Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 28/06/2023

Lims No: L23050842 Date Sampled: 13/06/2023 Analyst: [REDACTED]

Client ID: B3-6 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)				
Cocoid Blue Green Picoplankton	613539	Filter clogging?	1,165.72	0.277
Subtotal	613539		1,165.72	0.277

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	613500	1166.00	0.277
* 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



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REPORT

Report no: 287373 Depth : N/A
 Supercedes Report No: 287133 Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 28/06/2023

Lims No: L23050843 Date Sampled: 13/06/2023 Analyst: [REDACTED]

Client ID: E5-6 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
<u>Cyanophyta (Blue green)</u>				
Coccioid Blue Green Picoplankton	543705	Filter clogging?	1,033.03	0.245
Subtotal	543705		1,033.03	0.245

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	543700	1033.00	0.245
* 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.

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

Phycology

Sydney Water Approved Signatory:

[REDACTED], Analyst [REDACTED], Analyst ,



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