

REPORT

Report no: 291999 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 3/10/2023
 Analyst: [REDACTED]

Lims No: L23075546

Date Sampled: 14/09/2023

Client ID: 238597

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water
 Laboratory Services
 Issued On : 04/10/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	3225504	Filter clogging?	6,128.45	1.456
<i>Non toxic Aphanizomenonaceae</i>	659	Taste & Odour	27.01	0.029
Subtotal	3226163		6,155.46	1.485
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	3226000		6155.00	1.490
* 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: 291999 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 3/10/2023

Lims No: L23075547 Date Sampled: 14/09/2023 Analyst: [REDACTED]

Client ID: 238598 Address: [REDACTED]

Site:
 Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Laboratory Services
 Issued On : 04/10/2023 Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	5854135	Filter clogging?	11,122.85	2.643
<i>Non toxic Aphanizomenonaceae</i>	6637	Taste & Odour	272.11	0.295
<i>Phormidium species 1</i>	1492	Potentially toxic, taste & odour	25.06	0.030
<i>Pseudanabaena</i>	8450		67.60	0.084
<i>Spirulina</i>	1475		22.12	0.005
Subtotal	5872189		11,509.74	3.057

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	5872000	11510.00	3.060
* Potentially Toxic Blue Green	1490	25.10	0.030

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:

291999

Depth :

N/A

Supersedes Report No:

Chlorophyll a:

NA

Microcystin equivalents:

NA

Date analysed:

3/10/2023

Lims No: L23075548

Date Sampled:

14/09/2023

Analyst:

Client ID: 238599

Address:

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water

Laboratory Services

Issued On : 04/10/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	1615573	Filter clogging?	3,069.58	0.729
<i>Cuspidothrix issatschenkoi</i>	694		35.39	0.037
<i>Merismopedia</i>	11430		11.43	0.096
<i>Non toxic Aphanizomenonaceae</i>	798	Taste & Odour	32.71	0.035
<i>Phormidium species 1</i>	3382	Potentially toxic, taste & odour	56.81	0.068
<i>Planktolyngbya</i>	5309	Filter clogging	53.09	0.424
<i>Pseudanabaena</i>	28022		224.17	0.280
Subtotal	1665208		3,483.18	1.669

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1665000	3483.00	1.670
* Potentially Toxic Blue Green	3380	56.80	0.068

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: 291999 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 3/10/2023

Lims No: L23075549 Date Sampled: 14/09/2023 Analyst: [REDACTED]

Client ID: 238600 Address: [REDACTED]

Site:
 Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Disclaimer: Samples analysed as received.
 Laboratory Services
 Issued On : 04/10/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>				
<i>Anagnostidinema</i>	590		17.81	0.010
<i>Coccolid Blue Green Picoplankton</i>	1342117	Filter clogging?	2,550.02	0.605
<i>Cuspidothrix issatschenkoi</i>	37298		1,902.19	2.024
<i>Myxobaktron</i>	2212		38.93	0.011
<i>Non toxic Aphanizomenonaceae</i>	2550	Taste & Odour	104.55	0.113
<i>Phormidium species 1</i>	11161	Potentially toxic, taste & odour	187.50	0.227
<i>Pseudanabaena</i>	22123		176.98	0.221
<i>Spirulina</i>	1475		22.12	0.005
<i>Synechococcus cf</i>	1475		18.14	0.009
Subtotal	1421001		5,018.24	3.225

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	1421000	5018.00	3.230
* Potentially Toxic Blue Green	11160	187.50	0.227

Comment:

Debris present in the sample.

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

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

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Report no: 291999 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 3/10/2023

Lims No: L23075550 Date Sampled: 14/09/2023 Analyst: [REDACTED]

Client ID: 238601 Address: [REDACTED]

Site:
 Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Disclaimer: Samples analysed as received.
 Laboratory Services
 Issued On : 04/10/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Aphanizomenonaceae</i>	4865	Potentially toxic, taste & odour	325.95	0.505
<i>Cocoid Blue Green Picoplankton</i>	1324050	Filter clogging?	2,515.69	0.597
<i>Cuspidothrix issatschenkoi</i>	30509		1,555.95	1.655
<i>Dolichospermum</i>	139	Potentially toxic, taste & odour	12.70	0.022
<i>Merismopedia</i>	5899		5.89	0.049
<i>Non toxic Aphanizomenonaceae</i>	377	Taste & Odour	15.45	0.016
<i>Phormidium species 1</i>	12472	Potentially toxic, taste & odour	209.52	0.254
<i>Pseudanabaena</i>	4852		38.81	0.048
Subtotal	1383163		4,679.96	3.146

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	1383000	4680.00	3.150
* Potentially Toxic Blue Green	17480	548.20	0.781

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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