

**REPORT**

Report no: 285265      Depth : N/A  
 Supercedes Report No:      Chlorophyll a: NA  
    Microcystin equivalents: NA  
    Date analysed: 26/05/2023  
    Analyst: [REDACTED]

Lims No: L23039583      Date Sampled: 9/05/2023

Client ID: 233101      Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT      Issued By : Sydney Water  
 Laboratory Services  
 Issued On : 28/05/2023

**Disclaimer: Samples analysed as received.**

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	191445	Filter clogging?	363.74	0.086
<i>Merismopedia</i>	2489		2.48	0.020
<i>Microcystis</i>	277	Potentially toxic, taste & odour	7.78	0.007
<i>Planktolyngbya</i>	19911	Filter clogging	199.11	1.592
<i>Raphidiopsis raciborskii</i>	555	Potentially toxic, taste & odour	20.97	0.016
<i>Sphaerospermopsis reniformis</i>	416	Taste & Odour	16.68	0.019
<i>Spirulina</i>	2655		39.82	0.009
<b>Subtotal</b>	217748		650.58	1.749

	Cells/ mL	ASU/ mL	Biovolum mm3/L
<b>Total Blue Green</b>	217700	650.60	1.750
* Potentially Toxic Blue Green	832	28.80	0.023

**Comment:**

**Debris present in the sample.**

\*Taxa with potential to produce toxins.

ASU : One ASU (Area Standard Unit) equals 400µm<sup>2</sup> 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:**

██████████, 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: 285265      Depth : N/A  
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    Microcystin equivalents: NA  
    Date analysed: 26/05/2023  
 Lims No: L23039585      Date Sampled: 9/05/2023      Analyst: [REDACTED]

Client ID: 233109      Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT      Issued By : Sydney Water  
 Laboratory Services  
 Issued On : 28/05/2023

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**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	4553757	Filter clogging?	8,652.13	2.056
<i>Merismopedia</i>	11799		11.79	0.099
<i>Planktolyngbya</i>	26547	Filter clogging	265.47	2.123
<b>Subtotal</b>	4592103		8,929.39	4.278

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	4592000	8929.00	4.280
<b>* Potentially Toxic Blue Green</b>	0	0.00	0.000

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

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Report no: 285265      Depth : N/A  
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    Microcystin equivalents: NA  
    Date analysed: 26/05/2023  
 Lims No: L23039587      Date Sampled: 9/05/2023      Analyst: [REDACTED]

Client ID: 233117      Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT      Issued By : Sydney Water  
 Laboratory Services  
 Issued On : 28/05/2023

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**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	1182685	Filter clogging?	2,247.10	0.533
<i>Merismopedia</i>	57519		57.51	0.484
<b>Subtotal</b>	1240204		2,304.61	1.017

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	1240000	2305.00	1.020
* Potentially Toxic Blue Green	0	0.00	0.000

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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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    Date analysed: 26/05/2023  
 Analyst: [REDACTED]

Lims No: L23039591      Date Sampled: 9/05/2023

Client ID: 233133      Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT      Issued By : Sydney Water      Disclaimer: Samples analysed as received.  
 Laboratory Services  
 Issued On : 28/05/2023

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	3149181	Filter clogging?	5,983.44	1.421
<b>Subtotal</b>	3149181		5,983.44	1.421

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	3149000	5983.00	1.420
* Potentially Toxic Blue Green	0	0.00	0.000

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

**Phycology**

**Sydney Water Approved Signatory:**

Madhavi Mahakumbura, Supervisor



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    Microcystin equivalents: NA  
    Date analysed: 26/05/2023  
 Lims No: L23039593      Date Sampled: 9/05/2023      Analyst: [REDACTED]

Client ID: 233141      Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT      Issued By : Sydney Water      Disclaimer: Samples analysed as received.  
 Laboratory Services  
 Issued On : 28/05/2023

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	993203	Filter clogging?	1,887.08	0.448
<i>Merismopedia</i>	11799		11.79	0.099
<i>Planktolyngbya</i>	13274	Filter clogging	132.74	1.061
<i>Spirulina</i>	2212		33.18	0.008
<b>Subtotal</b>	<b>1020488</b>		<b>2,064.79</b>	<b>1.616</b>
	Cells/ mL		ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	<b>1020000</b>		<b>2065.00</b>	<b>1.620</b>
* Potentially Toxic Blue Green	0		0.00	0.000

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**Phycology**

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██████████, Supervisor



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    Microcystin equivalents: NA  
    Date analysed: 26/05/2023  
    Analyst: [REDACTED]

Lims No: L23039595      Date Sampled: 9/05/2023

Client ID: 233149

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water  
 Laboratory Services  
 Issued On : 28/05/2023

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**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	774298	Filter clogging?	1,471.16	0.349
<i>Merismopedia</i>	8849		8.84	0.074
<i>Synechococcus cf</i>	1475		18.14	0.009
<b>Subtotal</b>	784622		1,498.14	0.432

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	784600	1498.00	0.432
* Potentially Toxic Blue Green	0	0.00	0.000

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

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    Date analysed: 26/05/2023

Lims No: L23039597      Date Sampled: 9/05/2023      Analyst: [REDACTED]

Client ID: 233157      Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT      Issued By : Sydney Water      Disclaimer: Samples analysed as received.  
 Laboratory Services  
 Issued On : 28/05/2023

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	592154	Filter clogging?	1,125.09	0.267
<i>Merismopedia</i>	17698		17.69	0.149
<b>Subtotal</b>	609852		1,142.78	0.416
	Cells/ mL		ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	609900		1143.00	0.416
* Potentially Toxic Blue Green	0		0.00	0.000

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

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