

**REPORT**

Report no: 290314      Depth : N/A  
 Supercedes Report No:      Chlorophyll a: NA  
    Microcystin equivalents: NA  
    Date analysed: 29/08/2023  
    Analyst: [REDACTED]

Lims No: L23066566

Date Sampled: 9/08/2023

Client ID: 237457

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water  
 Laboratory Services  
 Issued On : 31/08/2023

**Disclaimer: Samples analysed as received.**

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Aphanizomenonaceae</i>	260	Potentially toxic, taste & odour	17.42	0.027
<i>Cocoid Blue Green Picoplankton</i>	1177209	Filter clogging?	2,236.69	0.531
<i>Pseudanabaena</i>	5531		44.24	0.055
<b>Subtotal</b>	<b>1183000</b>		<b>2,298.35</b>	<b>0.613</b>

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	<b>1183000</b>	<b>2298.00</b>	<b>0.613</b>
<b>* Potentially Toxic Blue Green</b>	<b>260</b>	<b>17.40</b>	<b>0.027</b>

**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:**

██████████ 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:

290314

Depth :

N/A

Supersedes Report No:

Chlorophyll a:

NA

Microcystin equivalents:

NA

Date analysed:

29/08/2023

Lims No: L23066567

Date Sampled:

9/08/2023

Analyst:

[REDACTED]

Client ID: 237464

Address:

[REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water

Laboratory Services

Issued On : 31/08/2023

**Disclaimer: Samples analysed as received.**

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b><u>Cyanophyta (Blue green)</u></b>				
<i>Cocoid Blue Green Picoplankton</i>	613244	Filter clogging?	1,165.16	0.276
<i>Pseudanabaena</i>	6084		48.67	0.060
<b>Subtotal</b>	619328		1,213.83	0.336
	Cells/ mL		ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	619300		1214.00	0.336
* Potentially Toxic Blue Green	0		0.00	0.000

**Comment:**

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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: 290314      Depth : N/A  
 Supercedes Report No:      Chlorophyll a: NA  
    Microcystin equivalents: NA  
    Date analysed: 28/08/2023

Lims No: L23066568      Date Sampled: 9/08/2023      Analyst: [REDACTED]

Client ID: 237471      Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT      Issued By : Sydney Water      Disclaimer: Samples analysed as received.  
 Laboratory Services  
 Issued On : 31/08/2023

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Coccooid Blue Green Picoplankton</i>	917377	Filter clogging?	1,743.01	0.414
<b>Subtotal</b>	917377		1,743.01	0.414

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	917400	1743.00	0.414
* 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.

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

**Phycology**

**Sydney Water Approved Signatory:**

[REDACTED] Analyst



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**REPORT**

Report no: 290314 Depth : N/A  
 Supercedes Report No: Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 29/08/2023

Lims No: L23066569 Date Sampled: 9/08/2023 Analyst: [REDACTED]

Client ID: 237478 Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water  
 Laboratory Services  
 Issued On : 31/08/2023

**Disclaimer: Samples analysed as received.**

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b><u>Cyanophyta (Blue green)</u></b>				
<i>Aphanizomenonaceae</i>	139	Potentially toxic, taste & odour	9.31	0.014
<i>Cocoid Blue Green Picoplankton</i>	864006	Filter clogging?	1,641.61	0.390
<i>Merismopedia</i>	1475		1.47	0.012
<i>Non toxic Aphanizomenonaceae</i>	728	Taste & Odour	29.84	0.032
<i>Romeria</i>	369		5.90	0.002
<b>Subtotal</b>	866717		1,688.13	0.450

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	866700	1688.00	0.450
<b>* Potentially Toxic Blue Green</b>	139	9.31	0.014

**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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**REPORT**

Report no: 290314 Depth : N/A  
 Supercedes Report No: Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 29/08/2023

Lims No: L23066570 Date Sampled: 9/08/2023 Analyst: [REDACTED]

Client ID: 237485 Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water  
 Laboratory Services  
 Issued On : 31/08/2023

**Disclaimer: Samples analysed as received.**

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Aphanizomenonaceae</i>	139	Potentially toxic, taste & odour	9.31	0.014
<i>Cocoid Blue Green Picoplankton</i>	698970	Filter clogging?	1,328.04	0.315
<i>Pseudanabaena</i>	3318		26.54	0.033
<i>Romeria</i>	369		5.90	0.002
<b>Subtotal</b>	702796		1,369.79	0.364
	Cells/ mL		ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	702800		1370.00	0.364
<b>* Potentially Toxic Blue Green</b>	139		9.31	0.014

**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:**

██████████ Analyst



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**REPORT**

Report no: 290314 Depth : N/A  
 Supercedes Report No: Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 28/08/2023  
 Analyst: [REDACTED]

Lims No: L23066571

Date Sampled: 9/08/2023

Client ID: 237492

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water  
 Laboratory Services  
 Issued On : 31/08/2023

**Disclaimer: Samples analysed as received.**

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Coccooid Blue Green Picoplankton</i>	1322059	Filter clogging?	2,511.91	0.596
<i>Pseudanabaena</i>	3457		27.65	0.034
<i>Raphidiopsis</i>	2558	Potentially toxic	154.24	0.172
<b>Subtotal</b>	1328074		2,693.80	0.802

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	1328000	2694.00	0.802
* Potentially Toxic Blue Green	0	0.00	0.000

**Comment:**

**Debris present in the sample.**

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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.

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

**Phycology**

**Sydney Water Approved Signatory:**

██████████ Analyst



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**REPORT**

Report no: 290314      Depth : N/A  
 Supercedes Report No:      Chlorophyll a: NA  
    Microcystin equivalents: NA  
    Date analysed: 29/08/2023

Lims No: L23066572      Date Sampled: 9/08/2023      Analyst: [REDACTED]

Client ID: 237499      Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT      Issued By : Sydney Water      Disclaimer: Samples analysed as received.  
 Laboratory Services  
 Issued On : 31/08/2023

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Coccooid Blue Green Picoplankton</i>	1530013	Filter clogging?	2,907.02	0.690
<b>Subtotal</b>	1530013		2,907.02	0.690

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	1530000	2907.00	0.690
* Potentially Toxic Blue Green	0	0.00	0.000

**Comment:**

Debris present in the sample.

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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.

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

**Phycology**

**Sydney Water Approved Signatory:**

[REDACTED] Analyst



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 Accredited for compliance with ISO/IEC 17025

**REPORT**

Report no: 290314      Depth : N/A  
 Supercedes Report No:      Chlorophyll a: NA  
    Microcystin equivalents: NA  
    Date analysed: 29/08/2023

Lims No: L23066573      Date Sampled: 9/08/2023      Analyst: [REDACTED]

Client ID: 237506      Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT      Issued By : Sydney Water      Disclaimer: Samples analysed as received.  
 Laboratory Services  
 Issued On : 31/08/2023

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Coccooid Blue Green Picoplankton</i>	813345	Filter clogging?	1,545.35	0.367
<b>Subtotal</b>	813345		1,545.35	0.367

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	813300	1545.00	0.367
* 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.

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

**Phycology**

**Sydney Water Approved Signatory:**

Brad Castelnuovo, Analyst



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 Accredited for compliance with ISO/IEC 17025

