

Phycology

Sydney Water Approved Signatory:

[REDACTED] Analyst
[REDACTED] Analyst

[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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REPORT

Report no: 292001 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 30/09/2023

Lims No: L23075530 Date Sampled: 13/09/2023 Analyst: [REDACTED]

Client ID: 238537 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>	219320	Filter clogging?	416.70	0.099
<i>Dolichospermum</i>	572	Potentially toxic, taste & odour	52.28	0.092
Subtotal	219892		468.98	0.191
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	219900		469.00	0.191
* Potentially Toxic Blue Green	572		52.30	0.092

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*

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REPORT

Report no: 292001 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 3/10/2023
 Analyst: [REDACTED]

Lims No: L23075532

Date Sampled: 13/09/2023

Client ID: 238539

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>Coccooid Blue Green Picoplankton</i>	1610540	Filter clogging?	3,060.02	0.727
<i>Merismopedia</i>	1475		1.47	0.012
<i>Non toxic Aphanizomenonaceae</i>	1493	Taste & Odour	61.21	0.066
Subtotal	1613508		3,122.70	0.805

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	1614000	3123.00	0.805
* 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.

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

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REPORT

Report no: 292001 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 30/09/2023
 Analyst: [REDACTED]

Lims No: L23075536 Date Sampled: 13/09/2023
 Client ID: 238543 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>Coccooid Blue Green Picoplankton</i>	1963467	Filter clogging?	3,730.58	0.886
<i>Dolichospermum affine</i>	1077		43.83	0.050
<i>Non toxic Aphanizomenonaceae</i>	642	Taste & Odour	26.32	0.028
Subtotal	1965186		3,800.73	0.964

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1965000	3801.00	0.964
* 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 400µm² 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*; *Gloeotheca* ; *Cyanodictyon*

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REPORT

Report no: 292001 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 3/10/2023
 Analyst: [REDACTED]

Lims No: L23075538

Date Sampled: 13/09/2023

Client ID: 238545

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>Coccooid Blue Green Picoplankton</i>	1225327	Filter clogging?	2,328.12	0.553
<i>Non toxic Aphanizomenonaceae</i>	1582	Taste & Odour	64.86	0.070
<i>Pseudanabaena</i>	4425		35.40	0.044
Subtotal	1231334		2,428.38	0.667

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1231000	2428.00	0.667
* 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.

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

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