

REPORT

Report no: 290842

Depth : N/A

Supercedes Report No:

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed: 7/09/2023

Lims No: L23069727

Date Sampled: 24/08/2023

Analyst:

Client ID:

Address:

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water

Laboratory Services

Issued On : 09/09/2023

Disclaimer: Samples analysed as received.
TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Coccooid Blue Green Picoplankton</i>	761771	Filter clogging?	1,447.36	0.343
<i>Merismopedia</i>	6637		6.63	0.055
<i>Phormidium species 1</i>	69861	Potentially toxic, taste & odour	1,173.66	1.423
<i>Pseudanabaena</i>	4425		35.40	0.044
Subtotal	842694		2,663.05	1.865
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	842700		2663.00	1.870
* Potentially Toxic Blue Green	69860		1174.00	1.420

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*

Phycology

Sydney Water Approved Signatory:

[Redacted] Analyst

[Redacted] Analyst

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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:

290842

Depth :

N/A

Supersedes Report No:

Chlorophyll a:

NA

Microcystin equivalents:

NA

Date analysed:

7/09/2023

Lims No: L23069728

Date Sampled:

24/08/2023

Analyst:

Client ID: [REDACTED]
Site:

Address:

[REDACTED]

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water
Laboratory Services
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TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	871583	Filter clogging?	1,656.00	0.393
<i>Dolichospermum cf planctonicum/smithii</i>	10453	Taste & Odour	1,194.77	2.648
<i>Merismopedia</i>	1475		1.47	0.012
<i>Phormidium species 1</i>	928483	Potentially toxic, taste & odour	15,598.51	18.923
<i>Planktolyngbya</i>	3687	Filter clogging	36.87	0.294
<i>Pseudanabaena</i>	19228		153.82	0.192
<i>Romeria</i>	737		11.79	0.004
<i>Spirulina</i>	1106		16.59	0.004
Subtotal	1836752		18,669.82	22.470
	Cells/ mL		ASU/ mL	Biovolum mm3/L
Total Blue Green	1837000		18670.00	22.470
* Potentially Toxic Blue Green	928500		15600.00	18.920

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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REPORT

Report no: 290842 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 7/09/2023
 Analyst: [REDACTED]

Lims No: L23069729 Date Sampled: 24/08/2023

Client ID: [REDACTED] Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water
 Laboratory Services
 Issued On : 09/09/2023

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TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Coccoloid Blue Green Picoplankton</i>	163570	Filter clogging?	310.78	0.073
<i>Cuspidothrix issatschenkoi</i>	1388		70.78	0.075
<i>Dolichospermum cf planctonicum/smithii</i>	3469	Taste & Odour	396.50	0.878
<i>Phormidium species 1</i>	834519	Potentially toxic, taste & odour	14,019.91	17.008
<i>Pseudanabaena</i>	8296		66.36	0.082
Subtotal	1011242		14,864.33	18.116

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1011000	14860.00	18.120
* Potentially Toxic Blue Green	834500	14020.00	17.010

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

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Report no: 290842 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 7/09/2023

Lims No: L23069730 Date Sampled: 24/08/2023 Analyst: [REDACTED]
 Client ID: [REDACTED] Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By: Sydney Water Laboratory Services Disclaimer: Samples analysed as received.
 Issued On: 09/09/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolume mm3/L
Cyanophyta (Blue green)				
<i>Coccooid Blue Green Picoplankton</i>	37719	Filter clogging?	71.66	0.017
<i>Cuspidothrix issatschenkoi</i>	4425		225.67	0.240
<i>Dolichospermum</i>	867	Potentially toxic, taste & odour	79.24	0.140
<i>Merismopedia</i>	553		0.55	0.004
<i>Myxobaktron</i>	691		12.16	0.003
<i>Phormidium species 1</i>	1422326	Potentially toxic, taste & odour	23,895.07	28.988
<i>Pseudanabaena</i>	6243		49.94	0.062
Subtotal	1472824		24,334.29	29.454

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1473000	24330.00	29.450
* Potentially Toxic Blue Green	1423000	23970.00	29.130

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Debris present in the sample.

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

Phycology

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REPORT

Report no: 290842
 Supercedes Report No:

Depth : N/A

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed: 7/09/2023

Lims No: L23069731

Date Sampled: 24/08/2023

Analyst:

Client ID:

Address:

Site:

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Method: MA71CENT

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 Laboratory Services
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	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Aphanizomenonaceae</i>	833	Potentially toxic, taste & odour	55.81	0.086
<i>Cocoid Blue Green Picoplankton</i>	53510	Filter clogging?	101.66	0.024
<i>Cuspidothrix issatschenkoi</i>	2643		134.79	0.143
<i>Phormidium species 1</i>	1665000	Potentially toxic, taste & odour	27,972.00	33.934
Subtotal	1721986		28,264.26	34.187
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	1722000		28260.00	34.190
* Potentially Toxic Blue Green	1666000		28030.00	34.020

Comment:

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