

REPORT

290842

Depth: N/A

Supercedes Report No:

Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed:

7/09/2023

Lims No:
Client ID:

L23069727

Date Sampled:
Address:

ampled: 24/08/2023

Analyst:

Site:

Client: Department

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

Page 1 of 2

Cyanophyta (Blue green)

Coccoid Blue Green Picoplankton	761771	Filter clogging?	1,447.36	0.343
Merismopedia	6637		6.63	0.055
Phormidium species 1	69861	Potentially toxic, taste & odour	1,173.66	1.423
Pseudanabaena	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.

ASU : One ASU (Area Standard Unit) equals $400\mu m^2$ of algal cells (as cross sectional area)

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

Coccoid Blue Green Picoplankton: Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece

^{*}Taxa with potential to produce toxins.

Sydney Water Approved Signatory: Analyst 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



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Supercedes Report No:

290842

Depth:

Chlorophyll a:

N/A NA

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Date analysed:

7/09/2023

Lims No:

L23069728

Date Sampled:

Address:

24/08/2023

Analyst:

Client:

Client ID: 2 Site:

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

Page 1 of 2

Cyanophyta (Blue green)

Coccoid Blue Green Picoplankton	871583	Filter clogging?	1,656.00	0.393
Dolichospermum cf planctonicum/smithii	10453	Taste & Odour	1,194.77	2.648
Merismopedia	1475		1.47	0.012
Phormidium species 1	928483	Potentially toxic, taste & odour	15,598.51	18.923
Planktolyngbya	3687	Filter clogging	36.87	0.294
Pseudanabaena	19228		153.82	0.192
Romeria	737		11.79	0.004
Spirulina	1106		16.59	0.004
Subtotal	1836752		18,669.82	22.470

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1837000	18670.00	22.470
* Potentially Toxic Blue Green	928500	15600.00	18.920

Comment:

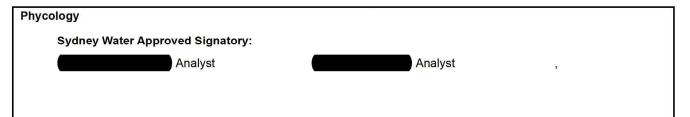
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Chlorophyll a: NA Page 1 of 2

Biovolum

mm3/L

mL

Microcystin equivalents: NA

Disclaimer: Samples analysed as

7/09/2023

Date analysed:

Analyst: L23069729 Date Sampled: 24/08/2023

Site:

Client:

Lims No:

Client ID: 2

Address:

Department of Planning and Environment

Method: **MA71CENT** Issued By: Sydney Water

Laboratory Services received.

Issued On: 09/09/2023

mL

TAXA

Cells/ **Significance** ASU/

Cyanophyta (Blue green)

Coccoid Blue Green Picoplankton	163570	Filter clogging?	310.78	0.073
Cuspidothrix issatschenkoi	1388		70.78	0.075
Dolichospermum cf planctonicum/smithii	3469	Taste & Odour	396.50	0.878
Phormidium species 1	834519	Potentially toxic, taste & odour	14,019.91	17.008
Pseudanabaena	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

Comment:

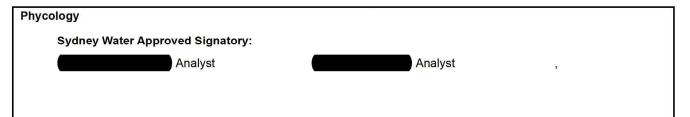
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Page 1 of 2

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Date analysed: 7/09/2023

Lims No: L23069730 Date Sampled: 24/08/2023 Analyst:

Address:

Client ID: Site:

Client:

Department of Planning and Environment

Method: **MA71CENT** Issued By: Sydney Water

Laboratory Services Issued On: 09/09/2023

received.

TAXA

Cells/ **Significance** ASU/ Biovolum mL mL mm3/L

Disclaimer: Samples analysed as

Cyanophyta (Blue green)

Coccoid Blue Green Picoplankton	37719	Filter clogging?	71.66	0.017
Cuspidothrix issatschenkoi	4425		225.67	0.240
Dolichospermum	867	Potentially toxic, taste & odour	79.24	0.140
Merismopedia	553		0.55	0.004
Myxobaktron	691		12.16	0.003
Phormidium species I	1422326	Potentially toxic, taste & odour	23,895.07	28.988
Pseudanabaena	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

Comment:

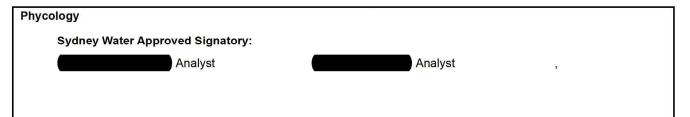
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Coccoid Blue Green Picoplankton: Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece

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Chlorophyll a: NA

Microcystin equivalents: NA

Date analysed:

7/09/2023

Lims No:
Client ID

L23069731

Date Sampled:

Address:

24/08/2023

Analyst:

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

Page 1 of 2

Cyanophyta (Blue green)

Aphanizomenonaceae	833	Potentially toxic, taste & odour	55.81	0.086
Coccoid Blue Green Picoplankton	53510	Filter clogging?	101.66	0.024
Cuspidothrix issatschenkoi	2643		134.79	0.143
Phormidium species 1	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

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