

REPORT

Report no: 285934 Depth : N/A
 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 8/06/2023
 Analyst: [REDACTED]

Lims No: L23043840 Date Sampled: 23/05/2023

Client ID: 234094 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Laboratory Services
 Issued On : 09/06/2023 Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Anabaena</i>	312	Taste & Odour	45.86	0.033
<i>Anabaenopsis</i>	1249	Potentially toxic	86.18	0.148
<i>Cocoid Blue Green Picoplankton</i>	1294184	Filter clogging?	2,458.94	0.584
<i>Merismopedia</i>	23598		23.59	0.198
<i>Raphidiopsis raciborskii</i>	694	Potentially toxic, taste & odour	26.23	0.020
<i>Sphaerospermopsis reniformis</i>	416	Taste & Odour	16.68	0.019
Subtotal	1320453		2,657.48	1.002

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	1320000	2657.00	1.000
* Potentially Toxic Blue Green	1940	112.40	0.168

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*

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

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 Microcystin equivalents: NA
 Date analysed: 8/06/2023
 Analyst: [REDACTED]

Lims No: L23043841

Date Sampled: 23/05/2023

Client ID: 234095

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water
 Laboratory Services
 Issued On : 09/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	3679464	Filter clogging?	6,990.98	1.661
<i>Merismopedia</i>	17698		17.69	0.149
<i>Microcystis</i>	2710	Potentially toxic, taste & odour	76.15	0.075
<i>Synechococcus cf</i>	1475		18.14	0.009
Subtotal	3701347		7,102.96	1.894

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	3701000	7103.00	1.890
* Potentially Toxic Blue Green	2710	76.20	0.075

Comment:

Debris present in the sample.

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

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 Microcystin equivalents: NA
 Date analysed: 8/06/2023
 Lims No: L23043842 Date Sampled: 23/05/2023 Analyst: [REDACTED]

Client ID: 234096 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Disclaimer: Samples analysed as received.
 Laboratory Services
 Issued On : 09/06/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	2141487	Filter clogging?	4,068.82	0.966
<i>Planktohyngbya</i>	8849	Filter clogging	88.49	0.707
Subtotal	2150336		4,157.31	1.673
	Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Blue Green	2150000		4157.00	1.670
* Potentially Toxic Blue Green	0		0.00	0.000

Comment:
 Debris present in the sample.

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

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 Microcystin equivalents: NA
 Date analysed: 8/06/2023
 Lims No: L23043843 Date Sampled: 23/05/2023 Analyst: [REDACTED]

Client ID: 234097 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Disclaimer: Samples analysed as received.
 Laboratory Services
 Issued On : 09/06/2023

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	1534437	Filter clogging?	2,915.43	0.692
<i>Merismopedia</i>	5899		5.89	0.049
<i>Microcystis</i>	5254	Potentially toxic, taste & odour	147.63	0.146
Subtotal	1545590		3,068.95	0.887

	Cells/ mL	ASU/ mL	Biovolum mm3/L
Total Blue Green	1546000	3069.00	0.887
* Potentially Toxic Blue Green	5250	147.60	0.146

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*; *Gloeothece* ; *Cyanodictyon*

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Report no: 285934 Depth : N/A
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 Microcystin equivalents: NA
 Date analysed: 8/06/2023
 Lims No: L23043844 Date Sampled: 23/05/2023 Analyst: [REDACTED]

Client ID: 234098 Address: [REDACTED]
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water
 Laboratory Services
 Issued On : 09/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	2822869	Filter clogging?	5,363.45	1.274
<i>Merismopedia</i>	36945		36.94	0.311
<i>Planktolyngbya</i>	17698	Filter clogging	176.98	1.415
Subtotal	2877512		5,577.37	3.000

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	2878000	5577.00	3.000
* Potentially Toxic Blue Green	0	0.00	0.000

Comment:

Sample received unpreserved/ partially preserved, results may be compromised. Debris present.

*Taxa with potential to produce toxins.

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

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 Date analysed: 8/06/2023

Lims No: L23043845 Date Sampled: 23/05/2023 Analyst: [REDACTED]

Client ID: 234099 Address: Building 1, 480 WEEROONA RD

Site:
 Client: Department of Planning and Environment

Method: MA71CENT Issued By : Sydney Water Laboratory Services
 Issued On : 09/06/2023 Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Cocoid Blue Green Picoplankton	369340	Filter clogging?	701.74	0.166
Merismopedia	6637		6.63	0.055
Subtotal	375977		708.37	0.221

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	376000	708.40	0.221
* Potentially Toxic Blue Green	0	0.00	0.000

Comment:
 Debris present in the sample.

*Taxa with potential to produce toxins.
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 Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gleothece*
 ; *Cyanodictyon*

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 Supercedes Report No: Chlorophyll a: NA
 Microcystin equivalents: NA
 Date analysed: 8/06/2023
 Analyst: [REDACTED]

Lims No: L23043846

Date Sampled: 23/05/2023

Client ID: 234100

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : Sydney Water
 Laboratory Services
 Issued On : 09/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
<i>Cocoid Blue Green Picoplankton</i>	1173393	Filter clogging?	2,229.44	0.529
<i>Merismopedia</i>	11799		11.79	0.099
<i>Microcystis</i>	2489	Potentially toxic, taste & odour	69.94	0.069
Subtotal	1187681		2,311.17	0.697

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	1188000	2311.00	0.697
* Potentially Toxic Blue Green	2490	69.90	0.069

Comment:

Debris present in the sample.

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