

Report no: 299499 Depth : N/A  
 Supercedes Report No: 299420 Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 15/02/2024

Lims No: L24009297 Date Sampled: 6/12/2023 Analyst: [REDACTED]

Client ID: 24 Address: [REDACTED]

Site: [REDACTED]

Client: Department of Planning and Environment

Method: MA71CENT Issued By: [REDACTED]  
 Commercial Client Representative  
 Issued On : 19/02/2024

Disclaimer: Samples analysed as received.

## TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	164617	Filter clogging?	312.77	0.074
<i>Dolichospermum</i>	816	Potentially toxic, taste & odour	74.58	0.132
<i>Dolichospermum affine</i>	544		22.14	0.025
<i>Merismopedia</i>	28906		28.90	0.243
<i>Myxobaktron</i>	544		9.57	0.002
<i>Planktolyngbya</i>	5716	Filter clogging	47.44	0.013
<i>Pseudanabaena</i>	3811		30.48	0.038
<i>Romeria</i>	1361		21.77	0.008
<b>Subtotal</b>	206315		547.65	0.535

	Cells/ mL	ASU/ mL	Biovolum mm3/L
<b>Total Blue Green</b>	206300	547.70	0.535
<b>* Potentially Toxic Blue Green</b>	816	74.60	0.132

### 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:**

[Redacted] Analyst

[Redacted] Supervisor

,

[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

Report no: 299499 Depth : N/A  
 Supercedes Report No: 299420 Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 15/02/2024  
 Analyst: [REDACTED]

Lims No: L24009299 Date Sampled: 6/12/2023  
 Client ID: 26 Address: [REDACTED]  
 Site:  
 Client: Department of Planning and Environment

Method: MA71CENT Issued By: [REDACTED] Disclaimer: Samples analysed as received.  
 Commercial Client Representative  
 Issued On : 19/02/2024

## TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	217694	Filter clogging?	413.61	0.098
<i>Dolichospermum</i>	544	Potentially toxic, taste & odour	49.72	0.088
<i>Dolichospermum affine</i>	8924		363.20	0.414
<i>Planktolyngbya</i>	11160	Filter clogging	92.62	0.026
<b>Subtotal</b>	238322		919.15	0.626

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	238300	919.20	0.626
<b>* Potentially Toxic Blue Green</b>	544	49.70	0.088

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

Phycology

Sydney Water Approved Signatory:

[Redacted] Analyst  
[Redacted] Analyst

[Redacted] Supervisor



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Report no: 299499 Depth : N/A  
 Supercedes Report No: 299420 Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 15/02/2024

Lims No: L24009301 Date Sampled: 6/12/2023 Analyst: [REDACTED]

Client ID: 28 Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By: [REDACTED]  
 Commercial Client Representative  
 Issued On : 19/02/2024

Disclaimer: Samples analysed as received.

## TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	274199	Filter clogging?	520.97	0.123
<i>Cuspidothrix issatschenkoi</i>	816		41.61	0.044
<i>Dolichospermum</i>	1359	Potentially toxic, taste & odour	124.21	0.220
<i>Merismopedia</i>	13065		13.06	0.110
<i>Non toxic Aphanizomenonaceae - coiled</i>	1699	Taste & Odour	55.89	0.058
<i>Sphaerospermopsis aphanizomenoides</i>	5573		167.19	0.209
<b>Subtotal</b>	296711		922.93	0.764

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	296700	922.90	0.764
<b>* Potentially Toxic Blue Green</b>	1360	124.20	0.220

### 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*; *Gloethece*; *Cyanodictyon*

Phycology

Sydney Water Approved Signatory:

[Redacted] analyst [Redacted] supervisor ,  
[Redacted] analyst



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**Phycology**

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[Redacted] Supervisor



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**Phycology**

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[Redacted], Analyst

[Redacted] Supervisor



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Report no: 299499 Depth : N/A  
 Supercedes Report No: 299420 Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 18/02/2024

Lims No: L24009307 Date Sampled: 6/12/2023 Analyst: [REDACTED]

Client ID: 34 Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By [REDACTED] Disclaimer: Samples analysed as received.  
 Commercial Client Representative  
 Issued On : 19/02/2024

## TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Anabaenopsis</i>	1087	Potentially toxic	75.00	0.128
<i>Cocoid Blue Green Picoplankton</i>	816773	Filter clogging?	1,551.86	0.368
<i>Dolichospermum affine</i>	7068		287.66	0.328
<i>Glaucospira sp.</i>	8129		0.00	0.000
<i>Merismopedia</i>	74905		74.90	0.630
<i>Myxobaktron</i>	2177		38.31	0.010
<i>Non toxic Aphanizomenonaceae - coiled</i>	952	Taste & Odour	31.32	0.032
<i>Non toxic Aphanizomenonaceae - Straight</i>	680	Taste & Odour	27.88	0.030
<i>Planktolyngbya</i>	15242	Filter clogging	126.50	0.036
<i>Pseudanabaena</i>	22646		181.16	0.226
<i>Romeria</i>	5807		92.91	0.037
<i>Sphaerospermopsis aphanizomenoides</i>	2447		73.41	0.092
<b>Subtotal</b>	957913		2,560.91	1.917

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	957900	2561.00	1.920
<b>* Potentially Toxic Blue Green</b>	1090	75.00	0.128

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

**Phycology**

**Sydney Water Approved Signatory:**

[Redacted] Analyst [Redacted] Supervisor,  
[Redacted], Analyst



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Report no: 299499 Depth : N/A  
 Supercedes Report No: 299420 Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 18/02/2024

Lims No: L24009308 Date Sampled: 6/12/2023 Analyst: [REDACTED]

Client ID: 35 Address: [REDACTED]

Site: [REDACTED]

Client: Department of Planning and Environment

Method: MA71CENT Issued By [REDACTED] Disclaimer: Samples analysed as received.  
 Commercial Client Representative  
 Issued On : 19/02/2024

## TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	329044	Filter clogging?	625.18	0.148
<i>Glaucospira sp.</i>	544		0.00	0.000
<i>Merismopedia</i>	1089		1.08	0.009
<i>Myxobaktron</i>	1960		34.49	0.009
<i>Planktolyngbya</i>	3266	Filter clogging	27.10	0.007
<i>Pseudanabaena</i>	5444		43.55	0.054
<i>Sphaerospermopsis aphanizomenoides</i>	1903		57.09	0.071
<i>Synechococcus cf</i>	544		6.69	0.003
<b>Subtotal</b>	343794		795.18	0.301

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	343800	795.20	0.301
<b>* Potentially Toxic Blue Green</b>	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*

Phycology

Sydney Water Approved Signatory:

[Redacted] Analyst

[Redacted] Supervisor

[Redacted] Analyst



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Report no: 299499 Depth : N/A  
 Supercedes Report No: 299420 Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 18/02/2024

Lims No: L24009309 Date Sampled: 6/12/2023 Analyst: [REDACTED]

Client ID: 36 Address: [REDACTED]

Site: [REDACTED]

Client: Department of Planning and Environment

Method: MA71CENT Issued By: [REDACTED]  
 Commercial Client Representative  
 Issued On : 19/02/2024

Disclaimer: Samples analysed as received.

## TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Anabaenopsis</i>	408	Potentially toxic	28.15	0.048
<i>Cocoid Blue Green Picoplankton</i>	287427	Filter clogging?	546.11	0.129
<i>Dolichospermum</i>	2175	Potentially toxic, taste & odour	198.79	0.352
<i>Dolichospermum circinale</i>	1359	Potentially toxic, taste & odour	118.09	0.236
<i>Non toxic Aphanizomenonaceae - coiled</i>	12784	Taste & Odour	420.59	0.442
<i>Non toxic Aphanizomenonaceae - Straight</i>	13702	Taste & Odour	561.78	0.609
<i>Sphaerospermopsis reniformis</i>	4078	Taste & Odour	163.52	0.189
<b>Subtotal</b>	321933		2,037.03	2.005

	Cells/ mL	ASU/ mL	Biovolum mm3/L
<b>Total Blue Green</b>	321900	2037.00	2.010
<b>* Potentially Toxic Blue Green</b>	3940	345.00	0.636

### 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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