PHYTOPLANKTON ANALYSIS REPORT

Report no:	*286820*	*Depth :*	**N/A**
Supercedes Report No:		*Chlorophyll a:*	**NA**
		Microcystin equivalents:	**NA**
		Date analysed:	**23/06/2023**
Lims No: **L23048469**	***Date Sampled:***	**6/06/2023**	*Analyst:* [redacted]
Client ID: 234617	***Address:***	[redacted]	
Site:			

Client: **Department of Planning and Environment**

Method: **MA71CENT**

Issued By : Sydney Water Laboratory Services
Issued On : 24/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Anabaenopsis	**191**	**Potentially toxic**	**13.17**	**0.022**
Coccoid Blue Green Picoplankton	**1769824**	**Filter clogging?**	**3,362.66**	**0.799**
Planktolyngbya	**2212**	**Filter clogging**	**22.12**	**0.176**
Sphaerospermopsis reniformis	**173**	**Taste & Odour**	**6.93**	**0.008**
Spirulina	**3540**		**53.10**	**0.013**
Subtotal	**1775940**		**3,457.98**	**1.018**

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	**1776000**	**3458.00**	**1.020**
*** Potentially Toxic Blue Green**	**191**	**13.20**	**0.022**

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

SWC, [redacted]
(PO Box 73) West Ryde NSW 2114

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Phycology

Sydney Water Approved Signatory:

[redacted], Analyst [redacted], Analyst ,

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Accreditation No.: 610 Biological testing
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PHYTOPLANKTON ANALYSIS REPORT

Report no:	*286820*	*Depth :*	**N/A**
Supercedes Report No:		*Chlorophyll a:*	**NA**
		Microcystin equivalents:	**NA**
		Date analysed:	**23/06/2023**
Lims No: **L23048471**	***Date Sampled:***	**6/06/2023**	*Analyst:* [redacted]
Client ID: 234622	***Address:***	[redacted]	
Site:			

Client: **Department of Planning and Environment**

Method: **MA71CENT**

Issued By : Sydney Water Laboratory Services
Issued On : 24/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Coccoid Blue Green Picoplankton	**768989**	**Filter clogging?**	**1,461.07**	**0.347**
Merismopedia	**5899**		**5.89**	**0.049**
Subtotal	**774888**		**1,466.96**	**0.396**

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	**774900**	**1467.00**	**0.396**
*** 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.
Coccoid Blue Green Picoplankton: *Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece ; Cyanodictyon*

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Phycology

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[redacted], Analyst [redacted], Analyst ,

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PHYTOPLANKTON ANALYSIS REPORT

Report no:	*286820*	*Depth :*	**N/A**
Supercedes Report No:		*Chlorophyll a:*	**NA**
		Microcystin equivalents:	**NA**
		Date analysed:	**23/06/2023**
Lims No: **L23048473**	***Date Sampled:***	**6/06/2023**	*Analyst:* [redacted]
Client ID: 234627	***Address:***	[redacted]	
Site:			

Client: **Department of Planning and Environment**

Method: **MA71CENT**

Issued By : Sydney Water Laboratory Services
Issued On : 24/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Coccoid Blue Green Picoplankton	**486591**	**Filter clogging?**	**924.52**	**0.219**
Subtotal	**486591**		**924.52**	**0.219**

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	**486600**	**924.50**	**0.219**
*** 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.
Coccoid Blue Green Picoplankton: *Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece ; Cyanodictyon*

Phycology

Sydney Water Approved Signatory:

[redacted], Analyst [redacted], Analyst ,

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PHYTOPLANKTON ANALYSIS REPORT

Sydney WATER

Report no:	*286820*	*Depth :*	**N/A**
Supercedes Report No:		*Chlorophyll a:*	**NA**
		Microcystin equivalents:	**NA**
		Date analysed:	**23/06/2023**
Lims No: **L23048475**	***Date Sampled:***	**6/06/2023**	*Analyst:* [redacted]
Client ID: 234632	***Address:***	[redacted]	
Site:			

Client: **Department of Planning and Environment**

Method: **MA71CENT**

Issued By : Sydney Water Laboratory Services
Issued On : 24/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Coccoid Blue Green Picoplankton	**1017428**	**Filter clogging?**	**1,933.11**	**0.459**
Merismopedia	**5899**		**5.89**	**0.049**
Spirulina	**2212**		**33.18**	**0.008**
Subtotal	**1025539**		**1,972.18**	**0.516**

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	**1026000**	**1972.00**	**0.516**
*** 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.
Coccoid Blue Green Picoplankton: *Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece ; Cyanodictyon*

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PHYTOPLANKTON ANALYSIS REPORT

Report no:	*286820*	*Depth :*	**N/A**
Supercedes Report No:		*Chlorophyll a:*	**NA**
		Microcystin equivalents:	**NA**
		Date analysed:	**23/06/2023**
Lims No: **L23048477**	***Date Sampled:***	**6/06/2023**	*Analyst:* [redacted]
Client ID: 234637	***Address:***	[redacted]	
Site:			

Client: **Department of Planning and Environment**

Method: **MA71CENT**

Issued By : Sydney Water Laboratory Services
Issued On : 24/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Coccoid Blue Green Picoplankton	**1322280**	**Filter clogging?**	**2,512.33**	**0.597**
Subtotal	**1322280**		**2,512.33**	**0.597**

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	**1322000**	**2512.00**	**0.597**
*** 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.
Coccoid Blue Green Picoplankton: *Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece ; Cyanodictyon*

Phycology

Sydney Water Approved Signatory:

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PHYTOPLANKTON ANALYSIS REPORT

Report no:	*286820*	*Depth :*	**N/A**
Supercedes Report No:		*Chlorophyll a:*	**NA**
		Microcystin equivalents:	**NA**
		Date analysed:	**23/06/2023**
Lims No: **L23048479**	***Date Sampled:***	**6/06/2023**	*Analyst:* [redacted]
Client ID: 234642	***Address:***	[redacted]	
Site:			

Client: **Department of Planning and Environment**

Method: **MA71CENT**

Issued By : Sydney Water Laboratory Services
Issued On : 24/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Coccoid Blue Green Picoplankton	**822304**	**Filter clogging?**	**1,562.37**	**0.371**
Subtotal	**822304**		**1,562.37**	**0.371**

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	**822300**	**1562.00**	**0.371**
*** 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.
Coccoid Blue Green Picoplankton: *Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece ; Cyanodictyon*

Phycology

Sydney Water Approved Signatory:

[redacted], Analyst [redacted], Analyst ,

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PHYTOPLANKTON ANALYSIS REPORT

Report no:	*286820*	*Depth :*	**N/A**
Supercedes Report No:		*Chlorophyll a:*	**NA**
		Microcystin equivalents:	**NA**
		Date analysed:	**23/06/2023**
Lims No: **L23048481**	***Date Sampled:***	**6/06/2023**	*Analyst:* [redacted]
Client ID: 234647	***Address:***	[redacted]	
Site:			

Client: **Department of Planning and Environment**

Method: **MA71CENT**

Issued By : Sydney Water Laboratory Services
Issued On : 24/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Coccoid Blue Green Picoplankton	**34843**	**Filter clogging?**	**66.20**	**0.015**
Subtotal	**34843**		**66.20**	**0.015**

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	**34840**	**66.20**	**0.015**
*** 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.
Coccoid Blue Green Picoplankton: *Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece ; Cyanodictyon*

Phycology

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[redacted], Analyst [redacted], Analyst ,

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PHYTOPLANKTON ANALYSIS REPORT

Report no:	*286820*	*Depth :*	**N/A**
Supercedes Report No:		*Chlorophyll a:*	**NA**
		Microcystin equivalents:	**NA**
		Date analysed:	**23/06/2023**
Lims No: **L23048483**	***Date Sampled:***	**6/06/2023**	*Analyst:* [redacted]
Client ID: 234652	***Address:***	[redacted]	
Site:			

Client: **Department of Planning and Environment**

Method: **MA71CENT**

Issued By : Sydney Water Laboratory Services
Issued On : 24/06/2023

Disclaimer: Samples analysed as received.

TAXA

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
Cyanophyta (Blue green)				
Coccoid Blue Green Picoplankton	**473870**	**Filter clogging?**	**900.35**	**0.213**
Subtotal	**473870**		**900.35**	**0.213**

	Cells/ mL	ASU/ mL	Biovolume mm3/L
Total Blue Green	**473900**	**900.40**	**0.213**
*** 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.
Coccoid Blue Green Picoplankton: *Aphanocapsa; Aphanothece; Cyanogranis; Cyanonephron; Cyanocatena; Gloeocapsa; Gloeothece ; Cyanodictyon*

Phycology

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