Sydney	PHYTOPLANKTON	ANAL	YSIS			Pa	nge 1 of 2
Sydney WATER	REPORT Report no:	285934	De	epth :	N/A		
VVAITN	Supercedes Report No:		Ch	lorophyll a:	NA		
			Mi	crocystin equivale	nts: NA		
			Da	ite analysed:	8/06/20	123	
Lims No: L23043840	Date Sampled:	23/05/2023	3 An	alyst:			
Client ID: 234094 <i>Site:</i>	Address:						
Client: Department of Planning	g and Environment						
<i>Method:</i> MA71CENT	Issued By : Sydney Wa Laboratory Services Issued On : 09/06/2023			Disclaimer: Sa received.	mples analys	ed as	
ТАХА							
	Cells/ mL		Sign	ificance		ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>							
Anabaena	312		Taste & Odour			45.86	0.033
Anabaenopsis	1249		Potentially toxic	2		86.18	0.148
Coccoid Blue Green Picoplankton	1294184		Filter clogging?			2,458.94	0.584
Merismopedia	23598					23.59	0.198
Raphidiopsis raciborskii	694		Potentially toxic	e, taste & odour		26.23	0.020
Sphaerospermopsis reniformis	416		Taste & Odour			16.68	0.019
Subtotal	1320453					2,657.48	1.002
	Cells/ mL				ASU/ mL		iovolume mm3/L
Total Blue Green	1320000				2657.00		1.000
* Potentially Toxic Blue Green	1940				112.40		0.168

Debris present in the sample.

*Taxa with potential to produce toxins.

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

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

Sydney Water Approved Signatory:





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

Sydney	PHYTOPLANKTON	ANALYSIS			Р	age 1 of 2
Sydney WATER	REPORT Report no:	285934	Depth :	N/A		
VVAITA	Supercedes Report No:		Chlorophyll a:	NA		
			Microcystin equivalents	s: NA		
			Date analysed:	8/06/20	23	
Lims No: L23043841	Date Sampled:	23/05/2023	Analyst:			
Client ID: 234095 <i>Site:</i>	Address:					
Client: Department of Planning	and Environment					
<i>Method:</i> MA71CENT	Issued By : Sydney Wat Laboratory Services Issued On : 09/06/2023		Disclaimer: Sam received.	ples analyse	ed as	
ТАХА						
	Cells/ mL		Significance		ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>						
Coccoid Blue Green Picoplankton	3679464	Filter o	logging?		6,990.98	1.661
Merismopedia	17698				17.69	0.149
Microcystis	2710	Potenti	ally toxic, taste & odour		76.15	0.075
Synechococcus cf	1475				18.14	0.009
Subtotal	3701347				7,102.96	1.894
	Cells/ mL			ASU/ mL	В	iovolume mm3/L
Total Blue Green	3701000			7103.00		1.890
* Potentially Toxic Blue Green	2710			76.20		0.075

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.

Sydney Water Approved Signatory:





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Accreditation No.: 610 Biological testing Accredited for compliance with ISO/IEC 17025

Sydney	PHYTO	PLANKTON	ANALYSI	S		P	age 1 of 2
Sydney WATER	REPORT Report no:	Γ	285934	Depth :	N/A		
VVAIEn	Supercedes .	Report No:		Chlorophyll a:	NA		
				Microcystin equ	uivalents: NA		
				Date analysed:	8/06/2	023	
Lims No: L23043842	Date Sample	ed:	23/05/2023	Analyst:			
Client ID: 234096 <i>Site:</i>	Address:						
Client: Department of Plan	ing and Environ	nent					
<i>Method:</i> MA71CENT	Labor	l By : Sydney Wat atory Services l On : 09/06/2023		Disclaime received.	er: Samples analys	sed as	
ТАХА							
		Cells/ mL		Significance		ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>							
Coccoid Blue Green Picoplankton	n –	2141487	Filte	r clogging?		4,068.82	0.966
Planktolyngbya	-	8849	Filte	r clogging		88.49	0.707
Subtotal		2150336				4,157.31	1.673
		Cells/ mL			ASU/ mL	I	Biovolume mm3/L
Total Blue Green		2150000			4157.00		1.670
* Potentially Toxic Blue Green		0			0.00		0.000

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.

Sydney Water Approved Signatory:





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

Sydney	PHYTOPLANKTON	ANALYSIS			Page 1 of 2
Sydney WATER	REPORT Report no:	285934	Depth :	N/A	
VVAITN	Supercedes Report No:		Chlorophyll a:	NA	
			Microcystin equivalents:	NA	
			Date analysed:	8/06/2023	
Lims No: L23043843	Date Sampled:	23/05/2023	Analyst:		
Client ID: 234097 <i>Site:</i>	Address:				
Client: Department of Planning	g and Environment				
<i>Method:</i> MA71CENT	Issued By : Sydney Wat Laboratory Services Issued On : 09/06/2023		Disclaimer: Samp received.	oles analysed as	
TAXA					
	Cells/ mL		Significance	ASU mL	/ Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>					
Coccoid Blue Green Picoplankton	1534437	Filter cl	ogging?	2,915	.43 0.692
Merismopedia	5899			5	.89 0.049
Microcystis	5254	Potentia	ally toxic, taste & odour	147	.63 0.146
Subtotal	1545590			3,068	.95 0.887
	Cells/ mL			ASU/ mL	Biovolume mm3/L
Total Blue Green	1546000			3069.00	0.887
* Potentially Toxic Blue Green	5250			147.60	0.146

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

Sydney Water Approved Signatory:





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

Sydney	PHYTOPLANKTON	ANALYSIS			Ра	age 1 of 2
Sydney WATER	REPORT Report no:	285934	Depth :	N/A		
VVAIEN	Supercedes Report No:		Chlorophyll a:	NA		
			Microcystin equivalents.	: NA		
			Date analysed:	8/06/2023	3	
Lims No: L23043844	Date Sampled:	23/05/2023	Analyst:			
Client ID: 234098 <i>Site:</i>	Address:					
Client: Department of Planni	ng and Environment					
<i>Method:</i> MA71CENT	Issued By : Sydney Wat Laboratory Services Issued On : 09/06/2023		Disclaimer: Samj received.	vles analysed	as	
ТАХА						
	Cells/ mL		Significance		ASU/ mL	Biovolum mm3/L
	mL				IIIL	iiiiii3/L
<u>Cyanophyta (Blue green)</u>						
Coccoid Blue Green Picoplankton	2822869	Filter c	logging?		5,363.45	1.274
Merismopedia	36945				36.94	0.311
Planktolyngbya	17698	Filter c	logging		176.98	1.415
Subtotal	2877512				5,577.37	3.000
	Cells/ mL			ASU/ mL		iovolume mm ^{2/I}
	mL			IIIL		mm3/L
Total Blue Green	2878000			5577.00		3.000
* Potentially Toxic Blue Green	0			0.00		0.000

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

*Taxa with potential to produce toxins.

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

; Cyanodictyon

Sydney Water Approved Signatory:





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

Sydney	PHYTOPLANKTON	N ANALYSIS			Page 1 of 2
Sydney WATER	REPORT Report no:	285934	Depth :	N/A	
WAITN	Supercedes Report No:		Chlorophyll a:	NA	
			Microcystin equivalents:	NA	
			Date analysed:	8/06/2023	
Lims No: L23043845	Date Sampled:	23/05/2023	Analyst:		
Client ID: 234099 <i>Site:</i>	Address:	Building 1, 480 WE	EROONA RD		
Client: Department of Planning	g and Environment				
<i>Method:</i> MA71CENT	Issued By : Sydney Wa Laboratory Services Issued On : 09/06/202.		Disclaimer: Sample received.	es analysed as	
TAXA					
	Cells/ mL		Significance	ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>					
Coccoid Blue Green Picoplankton	369340	Filter clog	ging?	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

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.

Sydney Water Approved Signatory:





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

Sydney	PHYTOPLANKTON	ANALYSIS			Page 1 of 2
Sydney WATER	REPORT Report no:	285934	Depth :	N/A	
VVAIEN	Supercedes Report No:		Chlorophyll a:	NA	
			Microcystin equivalents:	NA	
			Date analysed:	8/06/2023	
Lims No: L23043846	Date Sampled:	23/05/2023	Analyst:		l
Client ID: 234100 <i>Site:</i>	Address:				
<i>Client:</i> Department of Planning	g and Environment				
<i>Method:</i> MA71CENT	Issued By : Sydney Wat Laboratory Services Issued On : 09/06/2023		Disclaimer: Samp received.	oles analysed as	
ТАХА					
	Cells/ mL		Significance	AS m	
<u>Cyanophyta (Blue green)</u>					
Coccoid Blue Green Picoplankton	1173393	Filter clo	gging?	2,22	.9.44 0.529
Merismopedia	11799			:	1.79 0.099
Microcystis	2489	Potential	ly toxic, taste & odour	(i9.94 0.069
Subtotal	1187681			2,3	1.17 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

Debris present in the sample.

*Taxa with potential to produce toxins.

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

; Cyanodictyon

Sydney Water Approved Signatory:





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

Sydney	PHYTOPLAN	KTON ANALYS	IS		P	age 1 of 1
Sydney WATER	REPORT Report no:	285934	Depth :	N/A		
VAICA	Supercedes Report N	No:	Chlorophyll a:	NA		
			Microcystin equivalents	: NA		
			Date analysed:	8/06/202	3	
Lims No: L23043847	Date Sampled:	23/05/2023	Analyst:			
Client ID: 234101 <i>Site:</i>	Address:					
Client: Department of	Planning and Environment					
<i>Method:</i> MA71CENT	Issued By : Sy Laboratory Se Issued On : 09	ervices	Disclaimer: Sam received.	ples analysed	as	
TAXA						
		Cells/ mL	Significance		ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue gree</u>	<u>n)</u>					
Coccoid Blue Green Picopl	ankton 19'	78663 Filt	er clogging?		3,759.45	0.893
Subtotal	19	78663			3,759.45	0.893
		Cells/ mL		ASU/ mL	1	Biovolume mm3/L
Total Blue Green	197	9000		3759.00		0.893
* Potentially Toxic Blue G	reen	0		0.00		0.000

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

*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:

, 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