Guda		PHYTOPLANI	KTON ANALY	YSIS		J	Page 1 of 2
		REPORT Report no:	285626	Depth :	N/A		
VVAIEN		Supercedes Report N	<i>):</i>	Chlorophyll a:	NA		
				Microcystin equivalents.	NA		
				Date analysed:	1/06/2023		
Lims No:	L23041678	Date Sampled:	13/05/2023	3 Analyst:			
Client ID: <i>Site:</i>	: 233721	Address:					
Client:	Department of Pla	anning and Environment					
Method:	MA71CENT	Issued By : Sya Laboratory Ser Issued On : 03/	lney Water vices 06/2023	Disclaimer: Samp received.	oles analysed a	IS	
TAXA	A		Cells/ mL	Significance	A	ASU/ mL	Biovolum mm3/L
<u>Cyanoph</u>	iyta (Blue green)						
Coccoid B	lue Green Picoplan	kton 974	1067	Filter clogging?	1	,850.72	0.439
Subtotal	!	97	4067		1	,850.72	0.439
		(Cells/ mL		ASU/ mL		Biovolume mm3/L
Total Blu	ue Green	974	100		1851.00		0.439
* Potent	tially Toxic Blue Gree	n	0		0.00		0.000

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.





Uncertainty estimates are available for all accredited test results.

Sydney		PHYTOPLAN	VKTON ANAL	YSIS		Page 1 of 2
		REPORT Report no.	285626	Depth :	N/A	
	4/20	Supercedes Report	No:	Chlorophyll a:	NA	
				Microcystin equivale	nts: NA	
				Date analysed:	1/06/2023	
Lims No:	L23041680	Date Sampled:	13/05/202	23 Analyst:		
Client ID: <i>Site:</i>	: 233729	Address:				
Client:	Department of Pl	lanning and Environment				
Method:	MA71CENT	Issued By : S Laboratory S Issued On : (lydney Water Vervices 93/06/2023	Disclaimer: Sa received.	imples analysed as	
TAX	A					
			Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<u>Cyanoph</u>	<u>1yta (Blue green)</u>					
Coccoid B	lue Green Picoplan	ikton	956258	Filter clogging?	1,816.89	, 0.431
Myxobaktr	ron		1475		25.96	0.007
Pseudanał	baena		48375		387.00) 0.483
Raphidiop	osis raciborskii		3261	Potentially toxic, taste & odour	123.26	, 0.095
Sphaerosp	ermopsis aphanizoi	menoides	1127		33.81	0.042
Subtotal	1	1	010496		2,386.92	2 1.058
			Cells/ mL		ASU/ mL	Biovolume mm3/L
Total Bl	ue Green	10	10000		2387.00	1.060
* Potent	tially Toxic Blue Gree	en	3260		123.30	0.095

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.





Uncertainty estimates are available for all accredited test results.

Sydney		РНҮТО	PLANKTON	ANALYS	SIS		Pa	nge 1 of 2
		REPOR Report no:	Г	285626	Depth :	N/A		
	11 TN	Supercedes	Report No:		Chlorophyll a:	NA		
					Microcystin equivale	nts: NA		
					Date analysed:	2/06/2	2023	
Lims No:	L23041682	Date Sample	ed:	13/05/2023	Analyst:			
Client ID: <i>Site:</i>	233737	Address:						
Client:	Department of Pl	anning and Environ	ment					
Method:	MA71CENT	Issued Labor Issued	l By : Sydney Wat atory Services l On : 03/06/2023	ter	Disclaimer: Sa received.	umples analys	sed as	
TAXA	A							
			Cells/ mL		Significance		ASU/ mL	Biovolum mm3/L
<u>Cyanoph</u>	<u>yta (Blue green)</u>	-						
Coccoid Bl	ue Green Picoplan	kton -	1053045	Fil	ter clogging?		2,000.78	0.475
Cuspidothr	ix issatschenkoi	-	867				44.21	0.047
Merismope	dia	-	8849				8.84	0.074
Phormidium	m species 1	-	1804	Po	tentially toxic, taste & odour		30.30	0.036
Planktolyng	gbya	-	4425	Fil	ter clogging		44.25	0.354
Pseudanab	aena	_	58404				467.23	0.584
Raphidiops	sis raciborskii	_	5323	Po	tentially toxic, taste & odour		201.20	0.156
Sphaerospe	ermopsis aphanizor	nenoides	4881				146.43	0.183
Synechococ	ccus cf	_	737				9.06	0.004
Subtotal			1138335				2,952.30	1.913
			Cells/ mL			ASU/ mL	B	iovolume mm3/L
Total Blu	ıe Green		1138000			2952.00		1.910
* Potenti	ally Toxic Blue Gree	en	7130			231.50		0.192

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





Uncertainty estimates are available for all accredited test results.

Gredmore	PHYTOPLANKTON ANALYSIS					
	REPORT Report no.	285626	Depth :	N/A		
WAITN	Supercedes Report No:		Chlorophyll a:	NA		
			Microcystin equivalents:	NA		
			Date analysed:	2/06/2023		
Lims No: L23041684	Date Sampled:	13/05/2023	Analyst:			
Client ID: 233745 <i>Site:</i>	Address:					
Client: Department of Planning	and Environment					
<i>Method:</i> MA71CENT	Issued By : Sydney Wa Laboratory Services Issued On : 03/06/2023	ter 3	Disclaimer: Samp received.	les analysed as		
TAXA						
	Cells/ mL		Significance	ASU/ mL	Biovolum mm3/L	
<u>Cyanophyta (Blue green)</u>						
Coccoid Blue Green Picoplankton	464302	Filter clogg	ging?	882.	.17 0.209	
Merismopedia	8849			8.	.84 0.074	
Subtotal	473151			891.	.01 0.283	
	Cells/ mL			ASU/ mL	Biovolume mm3/L	
Total Blue Green	473200			891.00	0.283	
* 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.





Uncertainty estimates are available for all accredited test results.

Gradman	РНҮТО	PLANKTON	ANALYS	IS		F	Page 1 of 2
WATER	REPOR Report no: Supercedes	T Report No:	285626	Depth : Chlorophvll a:	N/A NA		
				Microcystin equiva Date analysed:	lents: NA 2/06/2	023	
Lims No: L23041686	Date Sampl	ed:	13/05/2023	Analyst:			
Client ID: 233753 Site:	Address:						
Client: Department of Plannin	g and Environ	ment					
<i>Method:</i> MA71CENT	Issue Labo Issue	d By : Sydney Wate ratory Services d On : 03/06/2023	er	Disclaimer: , received.	Samples analys	ed as	
ТАХА		Cells/ mL		Significance		ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>							
Anagnostidinema		867				26.18	0.015
Coccoid Blue Green Picoplankton		239664	Filt	er clogging?		455.36	0.108
Cuspidothrix issatschenkoi		520				26.52	0.028
Dolichospermum affine		694				28.24	0.032
Leptolyngbya		1943				28.17	0.024
Limnothrix	,	1179	Pot	entially toxic		11.79	0.014
Planktolyngbya		2950	Filt	er clogging		29.50	0.236
Pseudanabaena	,	1108				8.86	0.011
Raphidiopsis		624	Pot	entially toxic		37.62	0.042
Raphidiopsis raciborskii		139	Pot	entially toxic, taste & odour		5.25	0.004
Spirulina		1438				21.57	0.005
Subtotal		251126				679.06	0.519
		Cells/ mL			ASU/ mL	1	Biovolume mm3/L
Total Blue Green		251100			679.10		0.519
* Potentially Toxic Blue Green		1320			17.00		0.018

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.





Uncertainty estimates are available for all accredited test results.

Gridney	PHYTOPLA	NKTON AN	VALYSIS		J	Page 1 of 2
	REPORT	28.	5626 Depth :	N/A		
VVAITN	Supercedes Report	No:	Chlorophy	ell a: NA		
			Microcysti	n equivalents: NA		
			Date analy	vsed: 2/06/2	2023	
Lims No: L23041688	Date Sampled:	13/	05/2023 Analyst:			ł
Client ID: 233761 <i>Site:</i>	Address:					
Client: Department of Pla	nning and Environment					
<i>Method:</i> MA71CENT	Issued By : S Laboratory S Issued On : ('ydney Water Vervices)3/06/2023	Disclarity	aimer: Samples analy. ved.	sed as	
ТАХА						
		Cells/ mL	Significance	3	ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>						
Coccoid Blue Green Picoplank	ton 1	072513	Filter clogging?		2,037.77	0.484
Sphaerospermopsis reniformis		763	Taste & Odour		30.59	0.035
Subtotal	1	073276			2,068.36	0.519
		Cells/ mL		ASU/ mL		Biovolume mm3/L
Total Blue Green	10	73000		2068.00		0.519
* Potentially Toxic Blue Green	ı	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.

Phyc	ology			
	Sydney Water Approved Signatory:			
	hi, Analyst , Analyst	, Supervisor	,	



Uncertainty estimates are available for all accredited test results.

Sudnov	PHYTOPLANKTO	N ANALYSIS	,		Page 1 of 2
	REPORT Report no:	285626	Depth :	N/A	
VAITA	Supercedes Report No:		Chlorophyll a:	NA	
			Microcystin equivalent	s: NA	
			Date analysed:	1/06/2023	
Lims No: L23041690	Date Sampled:	13/05/2023	Analyst:		
Client ID: 233769 Site:	Address:				
Client: Department of Plannin	ng and Environment				
<i>Method</i> : MA71CENT	Issued By : Sydney Wo Laboratory Services Issued On : 03/06/202	ater 13	Disclaimer: San received.	iples analysed as	
ТАХА	Cells/ mL	1	Significance	ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>					
Anabaenopsis	555	Potent	tially toxic	38.2	9 0.065
Anagnostidinema	278			8.3	9 0.004
Coccoid Blue Green Picoplankton	17683418	Filter	clogging?	33,598.4	9 7.984
Dolichospermum circinale	902	Potent	tially toxic, taste & odour	78.3	8 0.156
Non toxic Aphanizomenonaceae	260	Taste	& Odour	10.6	6 0.011
Planktolyngbya	19247	Filter	clogging	192.4	7 1.539
Raphidiopsis raciborskii	208	Poten	tially toxic, taste & odour	7.8	6 0.006
Romeria	1475			23.6	0 0.009
Subtotal	17706343			33,958.1	4 9.774
	Cells/ mL			ASU/ mL	Biovolume mm3/L
Total Blue Green	17706000			33960.00	9.770
* Potentially Toxic Blue Green	1670			124.50	0.227

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.





Uncertainty estimates are available for all accredited test results.