Gridmorr	PHYTOPL	ANKTON A	NALYSIS			]	Page 1 of 2
	REPORT Report no:	28	86397 De	epth :	N/A		
VAITN	Supercedes Repo	ort No:	Ch	ılorophyll a:	NA		
			Mi	icrocystin equivalent	ts: NA		
			Da	ite analysed:	16/06/202	23	
Lims No: L23044632	Date Sampled:	24	/05/2023 An	alyst:			
Client ID: 234269 <i>Site:</i>	Address:						
Client: Department of P	lanning and Environment	:					
<i>Method:</i> MA71CENT	Issued By Laboratory Issued On	: Sydney Water v Services : 17/06/2023		Disclaimer: San received.	nples analysed	as	
ТАХА							
		Cells/ mL	Sign	lificance		ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>							
Coccoid Blue Green Picoplan	lkton	1212440	Filter clogging?	,		2,303.63	0.547
Merismopedia		11799				11.79	0.099
Subtotal		1224239				2,315.42	0.646
		Cells/ mL			ASU/ mL		Biovolume mm3/L
Total Blue Green		1224000			2315.00		0.646
* Potentially Toxic Blue Gre	en	0			0.00		0.000

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.





Uncertainty estimates are available for all accredited test results.

Sudnou	PHYTOPLANK	TON ANALYS	SIS	P	Page 1 of 2
	REPORT Report no:	286397	Depth :	N/A	
VV ATEN	Supercedes Report No:		Chlorophyll a:	NA	
			Microcystin equivalents:	NA	
			Date analysed:	13/06/2023	
Lims No: L23044633	Date Sampled:	24/05/2023	Analyst:		
Client ID: 234270 <i>Site:</i>	Address:				
Client: Department of Plan	nning and Environment				
<i>Method:</i> MA71CENT	Issued By : Sydne Laboratory Servic Issued On : 17/06	ry Water ces /2023	Disclaimer: Sampl received.	es analysed as	
ТАХА					
	(	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue green)</u>					
Coccoid Blue Green Picoplankte	on 12179	71 Fil	ter clogging?	2,314.14	0.549
Cuspidothrix issatschenkoi	152	25		77.77	0.082
Merismopedia	2064	48		20.64	0.173
Pseudanabaena	132	74		106.19	0.132
Raphidiopsis raciborskii	2.	78 Po	tentially toxic, taste & odour	10.50	0.008
Subtotal	12536	96		2,529.24	0.944
	Cel ml	ls/		ASU/ I mL	Biovolume mm3/L
Total Blue Green	1254000	)	2	2529.00	0.944
* Potentially Toxic Blue Green	278	3		10.50	0.008

# Debris present in the sample.

\*Taxa with potential to produce toxins.

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





Uncertainty estimates are available for all accredited test results.

Gudnou		PHYTOP	LANKTON	ANALYS	SIS		Pa	ge 1 of 2
	D	REPORT Report no:	•	286397	Depth :	N/A		
VVAIZ	n	Supercedes R	eport No:		Chlorophyll a:	NA		
					Microcystin equivale	ents: NA		
					Date analysed:	16/06/	2023	
Lims No: L230446	34	Date Sample	<i>l:</i>	24/05/2023	Analyst:			
Client ID: 234271 <i>Site:</i>		Address:						
Client: Departme	nt of Plannin	g and Environn	ient					
<i>Method:</i> MA71CE	NT	Issued Labora Issued	By : Sydney Wat tory Services On : 17/06/2023	ter	Disclaimer: So received.	amples analys	sed as	
ТАХА								
			Cells/ mL		Significance		ASU/ mL	Biovolum mm3/L
<u>Cyanophyta (Blue ;</u>	<u>green)</u>	_						
Anagnostidinema			3920				118.38	0.069
Coccoid Blue Green P	icoplankton		383941	Fi	lter clogging?		729.48	0.173
Cuspidothrix issatsche	nkoi		3375				172.12	0.183
Dolichospermum affin	е		3174				129.18	0.147
Pseudanabaena			73816				590.52	0.738
Raphidiopsis			243	Ро	otentially toxic		14.65	0.016
Raphidiopsis racibors	kii		2706	Ро	otentially toxic, taste & odour		102.28	0.079
Romeria			737				11.79	0.004
Sphaerospermopsis ap	hanizomenoid	des	2269				68.07	0.085
Subtotal			474181				1,936.47	1.494
			Cells/ mL			ASU/ mL	Bi	ovolume mm3/L
Total Blue Green			474200			1936.00		1.490
* Potentially Toxic B	lue Green		2710			102.30		0.079

### 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.

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	286.	<b>39</b> 7 Depth :	N/A			
WAITN	Supercedes Report N	lo:	Chlorophyll a:	NA			
			Microcystin equivalen	ets: NA			
			Date analysed:	16/06/2023			
Lims No: L23044635	Date Sampled:	24/05	5/2023 Analyst:				
Client ID: 234272 <i>Site:</i>	Address:						
Client: Department of Planni	ng and Environment						
<i>Method:</i> MA71CENT	Issued By : Sy Laboratory Set Issued On : 17	dney Water rvices V/06/2023	Disclaimer: San received.	mples analysed as			
ТАХА							
		Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L		
<u>Cyanophyta (Blue green)</u>							
Coccoid Blue Green Picoplankton	32	4940	Filter clogging?	617.3	<sup>58</sup> 0.146		
Dolichospermum		555	Potentially toxic, taste & odour	50.7	0.089		
Subtotal	32	25495		668.1	0 0.235		
		Cells/ mL		ASU/ mL	Biovolume mm3/L		
Total Blue Green	325	5500		668.10	0.235		
* Potentially Toxic Blue Green		555		50.70	0.089		

Debris present in the sample.

\*Taxa with potential to produce toxins.

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





Uncertainty estimates are available for all accredited test results.

Suda	2017	РНҮТО	PLANKTON	ANALYS	S		P	age 1 of 2
		REPOR Report no:	Τ	286397	Depth :	N/A		
~~~	1121	Supercedes	Report No:		Chlorophyll a:	NA		
					Microcystin equ	ivalents: NA		
					Date analysed:	13/0	5/2023	
Lims No:	L23044636	Date Sampl	ed:	24/05/2023	Analyst:			
Client ID: <i>Site:</i>	234273	Address:			RD			
Client:	Department of Pl	anning and Environ	ment					
Method:	MA71CENT	Issued Labor Issued	d By : Sydney Wate ratory Services d On : 17/06/2023	er -	Disclaime received.	r: Samples analy	vsed as	
TAXA	A							
	_		Cells/ mL		Significance		ASU/ mL	Biovolum mm3/L
<u>Cyanoph</u>	<u>yta (Blue green)</u>							
Anabaena			139	Tast	e & Odour		20.43	0.014
Anagnostid	linema		19173				579.02	0.338
Coccoid Bl	lue Green Picoplan	kton .	1080146	Filte	er clogging?		2,052.27	0.487
Cuspidothr	ix issatschenkoi		208				10.60	0.011
Myxobaktro	on		2876				50.61	0.014
Planktolyng	gbya		28022	Filte	er clogging		280.22	2.241
Pseudanab	aena		36871				294.96	0.368
Raphidiops	sis		1162	Pote	entially toxic		70.06	0.078
Raphidiops	sis raciborskii		1077	Pote	entially toxic, taste & odou	ır	40.71	0.031
Sphaerospe	ermopsis aphanizon	nenoides	1422				42.66	0.053
Sphaerospe	ermopsis reniformis	5	1401	Tast	e & Odour		56.18	0.065
Spirulina			8849				132.73	0.032
Synechocod	ccus cf		1475				18.14	0.009
Subtotal			1182821				3,648.59	3.741
			Cells/ mL			ASU/ mL	1	Biovolume mm3/L
Total Blu	ıe Green		1183000			3649.00		3.740
* Potenti	ially Toxic Blue Gree	en	1080			40.70		0.031

Debris present in the sample.

\*Taxa with potential to produce toxins.

WORLD RECOGNISED

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.

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



Uncertainty estimates are available for all accredited test results.

Sydr	ney NTZR	PHYTC REPOL	OPLANKTON RT	ANALYSIS 286397	Depth :	N/A	Р	age 1 of 2
	41°EN	Supercede	s Report No:		Chlorophyll a:	NA		
					Microcystin equivalen	ts: NA		
					Date analysed:	16/06/2023		
Lims No:	L23044637	Date Samp	oled:	24/05/2023	Analyst:			
Client ID: <i>Site:</i>	234274	Address:						
Client:	Department of Pl	anning and Enviro	nment					
Method:	MA71CENT	Issu Labo Issu	ed By : Sydney Wate oratory Services ed On : 17/06/2023	er	Disclaimer: San received.	mples analysed as	5	
TAXA	A							
	_		Cells/ mL		Significance	A) n	SU/ nL	Biovolum mm3/L
<u>Cyanoph</u>	<u>yta (Blue green)</u>							
Coccoid Bl	lue Green Picoplan	kton	1013999	Filter clo	gging?	1,9	926.59	0.457
Dolichospe	ermum		451	Potential	y toxic, taste & odour		41.22	0.073
Merismope	edia		5899				5.89	0.049
Myxobaktro	on		2876				50.61	0.014
Non toxic A	Aphanizomenonace	ae	208	Taste & (	Idour		8.52	0.009
Planktolyn	gbya		19173	Filter clo	gging		191.73	1.533
Pseudanab	paena		5899				47.19	0.058
Raphidiops	sis		208	Potential	y toxic		12.54	0.014
Raphidiops	sis raciborskii		2857	Potential	y toxic, taste & odour		107.99	0.083
Sphaerospe	ermopsis aphanizor	nenoides	208				6.24	0.007
Sphaerospe	ermopsis reniformis	8	1075	Taste & O	)dour		43.10	0.049
Spirulina			2950				44.25	0.010
Synechocod	ccus cf		2212				27.20	0.014
Subtotal			1058015			2,5	513.07	2.370
			Cells/ mL			ASU/ mL	E	iovolume mm3/L
Total Blu	ue Green		1058000			2513.00		2.370
* Potenti	ially Toxic Blue Gree	en	3310			149.20		0.156

Debris present in the sample.

\*Taxa with potential to produce toxins.

WORLD RECOGNISED

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.

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



Uncertainty estimates are available for all accredited test results.

Guda		РНҮТОР	PLANKTON	ANALY	SIS			]	Page 1 of 2
		REPORT	n	286397	Depth :		N/A		
	1120	Supercedes Report No:			Chloroph	Chlorophyll a:			
					Microcys	stin equivalents:	NA		
					Date and	alysed:	16/06/202	3	
Lims No:	L23044638	Date Sample	d:	24/05/2023	Analyst:				
Client ID: <i>Site:</i>	234275	Address:							
Client:	Department of Plannin	g and Environn	nent						
Method:	MA71CENT	Issued Labord Issued	By : Sydney Wate ttory Services On : 17/06/2023	er	Disc rece	claimer: Sampl eived.	'es analysed	as	
TAXA	4								
	-		Cells/ mL		Significan	ce		ASU/ mL	Biovolum mm3/L
<u>Cyanoph</u>	yta (Blue green)								
Coccoid Bl	lue Green Picoplankton	_	519148	F	ilter clogging?			986.38	0.234
Merismope	edia	_	2212					2.21	0.018
Subtotal	,		521360					988.59	0.252
			Cells/ mL				ASU/ mL		Biovolume mm3/L
Total Blu	ue Green		521400				988.60		0.252
* Potenti	ially 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 400µm<sup>2</sup> 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.