



Corporate Accreditation No 63  
Accredited for compliance with ISO/IEC 17025 - Testing



## Analytical Report 293491

Issue Date: 31/10/2023  
Issued By : Sydney Water Laboratory Services

Delivery Address: Sydney Water Corporation  
51 Hermitage Rd  
West Ryde NSW 2114  
Telephone: (02) 9800 6935  
Email: [analyticalservices@sydneywater.com.au](mailto:analyticalservices@sydneywater.com.au)

Attention: [REDACTED]  
Customer: [REDACTED]  
Customer ID: ZOEH\_1

Address: [REDACTED]  
Telephone: [REDACTED]  
Email: [REDACTED]

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### Sydney Water Approved Signatory

[REDACTED], Phycology Analyst	[REDACTED] Clean & Waste Water Analyst	[REDACTED] Nutrients Laboratory Supervisor
[REDACTED], Organics 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.

**SAMPLE SUMMARY**

<u>Client</u> <u>Sample ID</u>	<u>Sample</u> <u>Number</u>	<u>Sampling</u> <u>Procedure</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Received</u>	<u>Date</u> <u>Authorised</u>	<u>Description</u>
239154	L23083104	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E1
239155	L23083105	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E1
239156	L23083106	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E2
239157	L23083107	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E2
239158	L23083108	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E3
239159	L23083109	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E3
239160	L23083110	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E4
239161	L23083111	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E4
239162	L23083112	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E5
239163	L23083113	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E5
239164	L23083114	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B1
239165	L23083115	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B2
239166	L23083116	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B3
239167	L23083117	1	11/10/2023	16/10/2023	30/10/2023	MFK-Z-E1
239168	L23083118	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-E1
239169	L23083119	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-E1
239170	L23083120	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E1
239171	L23083121	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E1 filtered
239172	L23083122	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E1 filtered
239173	L23083123	1	11/10/2023	16/10/2023	30/10/2023	MFK-Z-E2
239174	L23083124	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-E2
239175	L23083125	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-E2
239176	L23083126	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E2
239177	L23083127	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E2 filtered
239178	L23083128	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E2 filtered
239179	L23083129	1	11/10/2023	16/10/2023	30/10/2023	MFK-Z-E3

<u>Client</u> <u>Sample ID</u>	<u>Sample</u> <u>Number</u>	<u>Sampling</u> <u>Procedure</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Received</u>	<u>Date</u> <u>Authorised</u>	<u>Description</u>
239180	L23083130	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-E3
239181	L23083131	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-E3
239182	L23083132	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E3
239183	L23083133	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E3 filtered
239184	L23083134	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E3 filtered
239185	L23083135	1	11/10/2023	16/10/2023	30/10/2023	MFK-Z-E4
239186	L23083136	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-E4
239187	L23083137	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-E4
239188	L23083138	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E4
239189	L23083139	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E4 filtered
239190	L23083140	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E4 filtered
239191	L23083141	1	11/10/2023	16/10/2023	30/10/2023	MFK-Z-E5
239192	L23083142	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-E5
239193	L23083143	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-E5
239194	L23083144	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E5
239195	L23083145	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E5 filtered
239196	L23083146	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-E5 filtered
239197	L23083147	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E1 filtered
239198	L23083148	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E1 filtered
239199	L23083149	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E2 filtered
239200	L23083150	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E2 filtered
239201	L23083151	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E3 filtered
239202	L23083152	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E3 filtered
239203	L23083153	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E4 filtered
239204	L23083154	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E4 filtered
239205	L23083155	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E5 filtered
239206	L23083156	1	11/10/2023	16/10/2023	19/10/2023	MFK-BW-E5 filtered
239209	L23083157	1	11/10/2023	16/10/2023	30/10/2023	MFK-Z-B1

<u>Client Sample ID</u>	<u>Sample Number</u>	<u>Sampling Procedure</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Date Authorised</u>	<u>Description</u>
239210	L23083158	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-B1
239211	L23083159	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-B1
239212	L23083160	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B1
239213	L23083161	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B1 filtered
239214	L23083162	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B1 filtered
239215	L23083163	1	11/10/2023	16/10/2023	30/10/2023	MFK-Z-B2
239216	L23083164	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-B2
239217	L23083165	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-B2
239218	L23083166	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B2
239219	L23083167	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B2 filtered
239220	L23083168	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B2 filtered
239221	L23083169	1	11/10/2023	16/10/2023	30/10/2023	MFK-Z-B3
239222	L23083170	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-B3
239223	L23083171	1	11/10/2023	16/10/2023	23/10/2023	MFK-Z-B3
239224	L23083172	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B3
239225	L23083173	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B3 filtered
239226	L23083174	1	11/10/2023	16/10/2023	19/10/2023	MFK-Z-B3 filtered

**Sampling procedures**

- 1 Samples analysed as received.
- 2 Samples collected as per FS procedures SAWI 070, Excluding Oil & Grease which is collected as per clients instructions.
- 3 Samples collected as per FS procedures SAWI 070.
- 4 Results reported as received from WNSW.

**ANALYTICAL RESULTS**

<b>Client Sample ID</b>	239154	239155	239156	239157	239158	239159	239160	239161
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083104	L23083105	L23083106	L23083107	L23083108	L23083109	L23083110	L23083111

**NUTRIENTS**

**NU102 : Total Nitrogen & Total Phosphorus**

Total Nitrogen	mg/L	-	1.12	-	1.07	-	1.25	-	1.26
Total Phosphorus	mg/L	-	0.194	-	0.151	-	0.213	-	0.232
Date of Performance	DD/MM/YY		17/10/23		17/10/23		17/10/23		17/10/23

**ORGANICS**

**TC0049DW : Algal Toxins**

Cylindrospermopsin (extra cellular)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Cylindrospermopsin (intra cellular)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Anatoxin-a(extracellular)	ug/L	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Anatoxin-a(intracellular)	ug/L	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Nodularin (extracellular)	ug/L	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Nodularin (intracellular)	ug/L	<0.1	-	<0.1	-	<0.1	-	<0.1	-

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239154	239155	239156	239157	239158	239159	239160	239161
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083104	L23083105	L23083106	L23083107	L23083108	L23083109	L23083110	L23083111

**ORGANICS**

TC0049DW : Algal Toxins(Continued)

Microcystin RR(extracellular)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Microcystin YR(extracellular)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Microcystin LR(extracellular)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Microcystin LR(intracellular)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Microcystin YR(intracellular)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Microcystin RR(intracellular)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Anatoxin-a(total)	ug/L	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Cylindrospermopsin(total)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Microcystin LR(total)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Microcystin RR(total)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239154	239155	239156	239157	239158	239159	239160	239161
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083104	L23083105	L23083106	L23083107	L23083108	L23083109	L23083110	L23083111

**ORGANICS**

**TC0049DW : Algal Toxins(Continued)**

Microcystin YR(total)	ug/L	<0.05	-	<0.05	-	<0.05	-	<0.05	-
Nodularin (total)	ug/L	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Date of Performance	DD/MM/YY	17/10/23		17/10/23		17/10/23		17/10/23	

**TC0061DW : Paralytic Shellfish Toxins (PST) Analysis by UPLCMSMS**

Saxitoxin	ug/L	<0.4	-	<0.4	-	<0.4	-	<0.4	-
Neosaxitoxin	ug/L	<0.3	-	<0.3	-	<0.3	-	<0.3	-
dcSTX	ug/L	<0.5	-	<0.5	-	<0.5	-	<0.5	-
C2	ug/L	<0.3	-	<0.3	-	<0.3	-	<0.3	-
GTX4	ug/L	<0.3	-	<0.3	-	<0.3	-	<0.3	-
GTX3	ug/L	<0.5	-	<0.5	-	<0.5	-	<0.5	-
GTX5	ug/L	<0.5	-	<0.5	-	<0.5	-	<0.5	-
dcNeo	ug/L	<0.5	-	<0.5	-	<0.5	-	0.5	-

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239154	239155	239156	239157	239158	239159	239160	239161
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083104	L23083105	L23083106	L23083107	L23083108	L23083109	L23083110	L23083111

**ORGANICS**

TC0061DW : Paralytic Shellfish Toxins (PST) Analysis by UPLCMSMS(Continued)

dcGTX3	ug/L	<0.3	-	<0.3	-	<0.3	-	<0.3	-
GTX6	ug/L	<0.3	-	<0.3	-	<0.3	-	<0.3	-
GTX2	ug/L	<1	-	<1	-	<1	-	<1	-
GTX1	ug/L	<0.5	-	<0.5	-	<0.5	-	<0.5	-
C1	ug/L	<0.5	-	<0.5	-	<0.5	-	<0.5	-
dcGTX2	ug/L	<0.5	-	<0.5	-	<0.5	-	<0.5	-
<b>Date of Performance</b>	DD/MM/YY	18/10/23		18/10/23		18/10/23		18/10/23	

<b>Client Sample ID</b>	239162	239163	239164	239165	239166	239167	239168	239169
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083112	L23083113	L23083114	L23083115	L23083116	L23083117	L23083118	L23083119

**ALGAL**

MA71CENT : Blue-Green ID & Enumeration, Including ASU & Biovolumes

"-" = Not required or refer to Laboratory comment



<b>Client Sample ID</b>	239162	239163	239164	239165	239166	239167	239168	239169
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083112	L23083113	L23083114	L23083115	L23083116	L23083117	L23083118	L23083119

**ALGAL**

**MA71CENT : Blue-Green ID & Enumeration, Including ASU & Biovolumes(Continued)**

Blue Green ASU	ASU/mL	-	-	-	-	-	2039	-	-
Blue Green Biovol	mm3/L	-	-	-	-	-	0.638	-	-
Potentially Toxic Blue Green	cells/mL	-	-	-	-	-	0	-	-
Potentially Toxic Blue Green ASU	ASU/mL	-	-	-	-	-	0.00	-	-
Potentially Toxic Blue Green Biovol	mm3/L	-	-	-	-	-	0.000	-	-
Total Blue Green	cells/mL	-	-	-	-	-	1045000	-	-

**MA91 : Individual Species Total Count, Total BioVol, Total ASU**

Algae Source*	N/A	-	-	-	-	-	EXTERNAL	-	-
Date of Performance	DD/MM/YY						30/10/23 00:00		

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.**

\* Indicates NATA accreditation does not cover the performance of this service

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<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083112	L23083113	L23083114	L23083115	L23083116	L23083117	L23083118	L23083119

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.(Continued)**

DOC	mg/L	-	-	-	-	-	-	-	12.9
TOC	mg/L	-	-	-	-	-	-	15.3	-
Date of Performance	DD/MM/YY							20/10/23	20/10/23

**NUTRIENTS**

**NU102 : Total Nitrogen & Total Phosphorus**

Total Nitrogen	mg/L	-	1.04	-	-	-	-	-	-
Total Phosphorus	mg/L	-	0.257	-	-	-	-	-	-
Date of Performance	DD/MM/YY		17/10/23						

**ORGANICS**

**TC0049DW : Algal Toxins**

Cylindro permop in (extra cellular)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-
Cylindrospermopsin (intra cellular)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239162	239163	239164	239165	239166	239167	239168	239169
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083112	L23083113	L23083114	L23083115	L23083116	L23083117	L23083118	L23083119

**ORGANICS**

TC0049DW : Algal Toxins(Continued)

Anatoxin-a(extracellular)	ug/L	<0.1	-	<0.1	<0.1	<0.1	-	-	-
Anatoxin-a(intracellular)	ug/L	<0.1	-	<0.1	<0.1	<0.1	-	-	-
Nodularin (extracellular)	ug/L	<0.1	-	<0.1	<0.1	<0.1	-	-	-
Nodularin (intracellular)	ug/L	<0.1	-	<0.1	<0.1	<0.1	-	-	-
Microcystin RR(extracellular)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-
Microcystin YR(extracellular)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-
Microcystin LR(extracellular)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-
Microcystin LR(intracellular)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-
Microcystin YR(intracellular)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-
Microcystin RR(intracellular)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239162	239163	239164	239165	239166	239167	239168	239169
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083112	L23083113	L23083114	L23083115	L23083116	L23083117	L23083118	L23083119

**ORGANICS**

**TC0049DW : Algal Toxins(Continued)**

Anatoxin-a(total)	ug/L	<0.1	-	<0.1	<0.1	<0.1	-	-	-
Cylindrospermopsin(total)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-
Microcystin LR(total)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-
Microcystin RR(total)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-
Microcystin YR(total)	ug/L	<0.05	-	<0.05	<0.05	<0.05	-	-	-
Nodularin (total)	ug/L	<0.1	-	<0.1	<0.1	<0.1	-	-	-
Date of Performance	DD/MM/YY	17/10/23		17/10/23	17/10/23	17/10/23			

**TC0061DW : Paralytic Shellfish Toxins (PST) Analysis by UPLCMSMS**

Saxitoxin	ug/L	<0.4	-	<0.4	<0.4	<0.4	-	-	-
Neosaxitoxin	ug/L	<0.3	-	<0.3	<0.3	<0.3	-	-	-
dcSTX	ug/L	<0.5	-	<0.5	<0.5	<0.5	-	-	-
C2	ug/L	<0.3	-	<0.3	<0.3	<0.3	-	-	-

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

Client Sample ID		239162	239163	239164	239165	239166	239167	239168	239169
Sampled Date		11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
Sample Number		L23083112	L23083113	L23083114	L23083115	L23083116	L23083117	L23083118	L23083119
<b>ORGANICS</b>									
TC0061DW : Paralytic Shellfish Toxins (PST) Analysis by UPLCMSMS(Continued)									
GTX4	ug/L	<0.3	-	<0.3	<0.3	<0.3	-	-	-
GTX3	ug/L	<0.5	-	<0.5	<0.5	<0.5	-	-	-
GTX5	ug/L	<0.5	-	<0.5	<0.5	<0.5	-	-	-
dcNeo	ug/L	<0.5	-	<0.5	<0.5	<0.5	-	-	-
dcGTX3	ug/L	<0.3	-	<0.3	<0.3	<0.3	-	-	-
GTX6	ug/L	<0.3	-	<0.3	<0.3	<0.3	-	-	-
GTX2	ug/L	<1	-	<1	<1	<1	-	-	-
GTX1	ug/L	<0.5	-	<0.5	<0.5	<0.5	-	-	-
C1	ug/L	<0.5	-	<0.5	<0.5	<0.5	-	-	-
dcGTX2	ug/L	<0.5	-	<0.5	<0.5	<0.5	-	-	-
Date of Performance	DD/MM/YY	18/10/23		18/10/23	18/10/23	18/10/23			

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239170	239171	239172	239173	239174	239175	239176	239177
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083120	L23083121	L23083122	L23083123	L23083124	L23083125	L23083126	L23083127

**ALGAL**

**MA71CENT : Blue-Green ID & Enumeration, Including ASU & Biovolumes**

Blue Green ASU	ASU/mL	-	-	-	3482	-	-	-	-
Blue Green Biovol	mm3/L	-	-	-	2.51	-	-	-	-
Potentially Toxic Blue Green	cells/mL	-	-	-	6890	-	-	-	-
Potentially Toxic Blue Green ASU	ASU/mL	-	-	-	596	-	-	-	-
Potentially Toxic Blue Green Biovol	mm3/L	-	-	-	1.19	-	-	-	-
Total Blue Green	cells/mL	-	-	-	1331000	-	-	-	-

**MA91 : Individual Species Total Count, Total BioVol, Total ASU**

Algae Source*	N/A	-	-	-	EXTERNAL	-	-	-	-
Date of Performance	DD/MM/YY				30/10/23 00:00				

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.**

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239170	239171	239172	239173	239174	239175	239176	239177
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083120	L23083121	L23083122	L23083123	L23083124	L23083125	L23083126	L23083127

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.(Continued)**

DOC	mg/L	-	-	-	-	-	14.6	-	-
TOC	mg/L	-	-	-	-	15.0	-	-	-
Date of Performance	DD/MM/YY					20/10/23	20/10/23		

**NUTRIENTS**

**NU102 : Total Nitrogen & Total Phosphorus**

Total Nitrogen	mg/L	1.11	-	-	-	-	-	1.09	-
Total Phosphorus	mg/L	0.184	-	-	-	-	-	0.189	-
Date of Performance	DD/MM/YY	17/10/23						17/10/23	

**NU40 : Ammonia - Nitrogen**

Ammonia NH3 -N Low Level	mg/L	-	-	0.02	-	-	-	-	-
Date of Performance	DD/MM/YY			17/10/23					

**NU43 : Oxidised - Nitrogen**

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>		239170	239171	239172	239173	239174	239175	239176	239177
<b>Sampled Date</b>		11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>		L23083120	L23083121	L23083122	L23083123	L23083124	L23083125	L23083126	L23083127
<b>NUTRIENTS</b>									
<b>NU43 : Oxidised - Nitrogen(Continued)</b>									
Oxidised Nitrogen NOx-N Low Level	mg/L	-	-	<0.01	-	-	-	-	-
Date of Performance	DD/MM/YY			17/10/23					
<b>NU54 : Soluble Reactive Phosphorus mg P/L.</b>									
Soluble Reactive Phosphorus	mg/L	-	-	0.074	-	-	-	-	-
Date of Performance	DD/MM/YY			18/10/23					
<b>NU60 : Filterable Nitrogen &amp; Phosphorus</b>									
Total Filtered Nitrogen	mg/L	-	0.67	-	-	-	-	-	0.68
Filtered Total Phosphorus	mg/L	-	0.098	-	-	-	-	-	0.100
Date of Performance	DD/MM/YY		17/10/23						17/10/23

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment



<b>Client Sample ID</b>	239178	239179	239180	239181	239182	239183	239184	239185
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083128	L23083129	L23083130	L23083131	L23083132	L23083133	L23083134	L23083135

**ALGAL**

**MA71CENT : Blue-Green ID & Enumeration, Including ASU & Biovolumes**

Blue Green ASU	ASU/mL	-	12930	-	-	-	-	-	2649
Blue Green Biovol	mm3/L	-	4.23	-	-	-	-	-	1.07
Potentially Toxic Blue Green	cells/mL	-	2460	-	-	-	-	-	659
Potentially Toxic Blue Green ASU	ASU/mL	-	214	-	-	-	-	-	57.3
Potentially Toxic Blue Green Biovol	mm3/L	-	0.428	-	-	-	-	-	0.114
Total Blue Green	cells/mL	-	6486000	-	-	-	-	-	1304000

**MA91 : Individual Species Total Count, Total BioVol, Total ASU**

Algae Source*	N/A	-	EXTERNAL	-	-	-	-	-	EXTERNAL
Date of Performance	DD/MM/YY		30/10/23 00:00						30/10/23 00:00

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.**

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239178	239179	239180	239181	239182	239183	239184	239185
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083128	L23083129	L23083130	L23083131	L23083132	L23083133	L23083134	L23083135

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.(Continued)**

DOC	mg/L	-	-	-	12.9	-	-	-
TOC	mg/L	-	-	13.2	-	-	-	-
Date of Performance	DD/MM/YY			20/10/23	20/10/23			

**NUTRIENTS**

**NU102 : Total Nitrogen & Total Phosphorus**

Total Nitrogen	mg/L	-	-	-	-	1.08	-	-
Total Phosphorus	mg/L	-	-	-	-	0.149	-	-
Date of Performance	DD/MM/YY					17/10/23		

**NU40 : Ammonia - Nitrogen**

Ammonia NH3 -N Low Level	mg/L	0.01	-	-	-	-	-	0.01
Date of Performance	DD/MM/YY	17/10/23						17/10/23

**NU43 : Oxidised - Nitrogen**

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>		239178	239179	239180	239181	239182	239183	239184	239185
<b>Sampled Date</b>		11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>		L23083128	L23083129	L23083130	L23083131	L23083132	L23083133	L23083134	L23083135
<b>NUTRIENTS</b>									
<b>NU43 : Oxidised - Nitrogen(Continued)</b>									
Oxidised Nitrogen NOx-N Low Level	mg/L	<0.01	-	-	-	-	-	<0.01	-
Date of Performance	DD/MM/YY	17/10/23						17/10/23	
<b>NU54 : Soluble Reactive Phosphorus mg P/L.</b>									
Soluble Reactive Phosphorus	mg/L	0.065	-	-	-	-	-	0.032	-
Date of Performance	DD/MM/YY	18/10/23						18/10/23	
<b>NU60 : Filterable Nitrogen &amp; Phosphorus</b>									
Total Filtered Nitrogen	mg/L	-	-	-	-	-	0.68	-	-
Filtered Total Phosphorus	mg/L	-	-	-	-	-	0.070	-	-
Date of Performance	DD/MM/YY						17/10/23		

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239186	239187	239188	239189	239190	239191	239192	239193
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083136	L23083137	L23083138	L23083139	L23083140	L23083141	L23083142	L23083143

**ALGAL**

**MA71CENT : Blue-Green ID & Enumeration, Including ASU & Biovolumes**

Blue Green ASU	ASU/mL	-	-	-	-	-	2462	-	-
Blue Green Biovol	mm3/L	-	-	-	-	-	0.964	-	-
Potentially Toxic Blue Green	cells/mL	-	-	-	-	-	1690	-	-
Potentially Toxic Blue Green ASU	ASU/mL	-	-	-	-	-	146.5	-	-
Potentially Toxic Blue Green Biovol	mm3/L	-	-	-	-	-	0.293	-	-
Total Blue Green	cells/mL	-	-	-	-	-	1187000	-	-

**MA91 : Individual Species Total Count, Total BioVol, Total ASU**

Algae Source*	N/A	-	-	-	-	-	EXTERNAL	-	-
Date of Performance	DD/MM/YY						30/10/23 00:00		

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.**

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239186	239187	239188	239189	239190	239191	239192	239193
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083136	L23083137	L23083138	L23083139	L23083140	L23083141	L23083142	L23083143

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.(Continued)**

DOC	mg/L	-	13.2	-	-	-	-	-	13.2
TOC	mg/L	12.8	-	-	-	-	-	14.5	-
Date of Performance	DD/MM/YY	20/10/23	20/10/23					20/10/23	20/10/23

**NUTRIENTS**

**NU102 : Total Nitrogen & Total Phosphorus**

Total Nitrogen	mg/L	-	-	1.07	-	-	-	-	-
Total Phosphorus	mg/L	-	-	0.146	-	-	-	-	-
Date of Performance	DD/MM/YY			17/10/23					

**NU40 : Ammonia - Nitrogen**

Ammonia NH3 -N Low Level	mg/L	-	-	-	-	<0.01	-	-	-
Date of Performance	DD/MM/YY					17/10/23			

**NU43 : Oxidised - Nitrogen**

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>		239186	239187	239188	239189	239190	239191	239192	239193
<b>Sampled Date</b>		11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>		L23083136	L23083137	L23083138	L23083139	L23083140	L23083141	L23083142	L23083143
<b>NUTRIENTS</b>									
<b>NU43 : Oxidised - Nitrogen(Continued)</b>									
Oxidised Nitrogen NOx-N Low Level	mg/L	-	-	-	-	0.01	-	-	-
Date of Performance	DD/MM/YY					17/10/23			
<b>NU54 : Soluble Reactive Phosphorus mg P/L.</b>									
Soluble Reactive Phosphorus	mg/L	-	-	-	-	0.044	-	-	-
Date of Performance	DD/MM/YY					18/10/23			
<b>NU60 : Filterable Nitrogen &amp; Phosphorus</b>									
Total Filtered Nitrogen	mg/L	-	-	-	0.67	-	-	-	-
Filtered Total Phosphorus	mg/L	-	-	-	0.079	-	-	-	-
Date of Performance	DD/MM/YY				17/10/23				

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239194	239195	239196	239197	239198	239199	239200	239201
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083144	L23083145	L23083146	L23083147	L23083148	L23083149	L23083150	L23083151

**NUTRIENTS**

**NU102 : Total Nitrogen & Total Phosphorus**

Total Nitrogen	mg/L	0.99	-	-	-	-	-	-
Total Phosphorus	mg/L	0.214	-	-	-	-	-	-
Date of Performance	DD/MM/YY	17/10/23						

**NU40 : Ammonia - Nitrogen**

Ammonia NH3 -N Low Level	mg/L	-	-	<0.01	-	0.01	-	<0.01
Date of Performance	DD/MM/YY			17/10/23		17/10/23		17/10/23

**NU43 : Oxidised - Nitrogen**

Oxidised Nitrogen NOx-N Low Level	mg/L	-	-	0.01	-	<0.01	-	0.01
Date of Performance	DD/MM/YY			17/10/23		17/10/23		17/10/23

**NU54 : Soluble Reactive Phosphorus mg P/L.**

Soluble Reactive Phosphorus	mg/L	-	-	0.114	-	0.079	-	0.048
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\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239194	239195	239196	239197	239198	239199	239200	239201
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083144	L23083145	L23083146	L23083147	L23083148	L23083149	L23083150	L23083151

**NUTRIENTS**

<b>Date of Performance</b>	DD/MM/YY	18/10/23	18/10/23	18/10/23
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**NU60 : Filterable Nitrogen & Phosphorus**

<b>Total Filtered Nitrogen</b>	mg/L	-	0.66	-	0.66	-	0.69	-	0.75
<b>Filtered Total Phosphorus</b>	mg/L	-	0.146	-	0.104	-	0.075	-	0.102
<b>Date of Performance</b>	DD/MM/YY	17/10/23	17/10/23	17/10/23	17/10/23	17/10/23	17/10/23	17/10/23	17/10/23

<b>Client Sample ID</b>	239202	239203	239204	239205	239206	239209	239210	239211
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083152	L23083153	L23083154	L23083155	L23083156	L23083157	L23083158	L23083159

**ALGAL**

**MA71CENT : Blue-Green ID & Enumeration, Including ASU & Biovolumes**

<b>Blue Green ASU</b>	ASU/mL	-	-	-	-	-	1942	-	-
<b>Blue Green Biovol</b>	mm3/L	-	-	-	-	-	1.3	-	-
<b>Potentially Toxic Blue Green</b>	cells/mL	-	-	-	-	-	1580	-	-

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment



<b>Client Sample ID</b>	239202	239203	239204	239205	239206	239209	239210	239211
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083152	L23083153	L23083154	L23083155	L23083156	L23083157	L23083158	L23083159

**ALGAL**

**MA71CENT : Blue-Green ID & Enumeration, Including ASU & Biovolumes(Continued)**

Potentially Toxic Blue Green ASU	ASU/mL	-	-	-	-	-	138.1	-	-
Potentially Toxic Blue Green Biovol	mm3/L	-	-	-	-	-	0.27	-	-
Total Blue Green	cells/mL	-	-	-	-	-	857800	-	-

**MA91 : Individual Species Total Count, Total BioVol, Total ASU**

Algae Source*	N/A	-	-	-	-	-	EXTERNAL	-	-
Date of Performance	DD/MM/YY						30/10/23 00:00		

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.**

DOC	mg/L	-	-	-	-	-	-	-	14.6
TOC	mg/L	-	-	-	-	-	-	17.0	-
Date of Performance	DD/MM/YY							20/10/23	20/10/23

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

Client Sample ID		239202	239203	239204	239205	239206	239209	239210	239211
Sampled Date		11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
Sample Number		L23083152	L23083153	L23083154	L23083155	L23083156	L23083157	L23083158	L23083159
<b>NUTRIENTS</b>									
<b>NU40 : Ammonia - Nitrogen</b>									
Ammonia NH3 -N Low Level	mg/L	0.08	-	0.01	-	<0.01	-	-	-
Date of Performance	DD/MM/YY	17/10/23		17/10/23		17/10/23			
<b>NU43 : Oxidised - Nitrogen</b>									
Oxidised Nitrogen NOx-N Low Level	mg/L	<0.01	-	<0.01	-	0.01	-	-	-
Date of Performance	DD/MM/YY	17/10/23		17/10/23		17/10/23			
<b>NU54 : Soluble Reactive Phosphorus mg P/L.</b>									
Soluble Reactive Phosphorus	mg/L	0.081	-	0.066	-	0.147	-	-	-
Date of Performance	DD/MM/YY	18/10/23		18/10/23		18/10/23			
<b>NU60 : Filterable Nitrogen &amp; Phosphorus</b>									
Total Filtered Nitrogen	mg/L	-	0.67	-	0.65	-	-	-	-
Filtered Total Phosphorus	mg/L	-	0.090	-	0.170	-	-	-	-

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239202	239203	239204	239205	239206	239209	239210	239211
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083152	L23083153	L23083154	L23083155	L23083156	L23083157	L23083158	L23083159

<b>NUTRIENTS</b>								
<b>Date of Performance</b>	DD/MM/YY	17/10/23			17/10/23			

<b>Client Sample ID</b>	239212	239213	239214	239215	239216	239217	239218	239219
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083160	L23083161	L23083162	L23083163	L23083164	L23083165	L23083166	L23083167

**ALGAL**

**MA71CENT : Blue-Green ID & Enumeration, Including ASU & Biovolumes**

Blue Green ASU	ASU/mL	-	-	-	2446	-	-	-	-
Blue Green Biovol	mm3/L	-	-	-	0.676	-	-	-	-
Potentially Toxic Blue Green	cells/mL	-	-	-	0	-	-	-	-
Potentially Toxic Blue Green ASU	ASU/mL	-	-	-	0.00	-	-	-	-
Potentially Toxic Blue Green Biovol	mm3/L	-	-	-	0.000	-	-	-	-
Total Blue Green	cells/mL	-	-	-	1256000	-	-	-	-

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"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239212	239213	239214	239215	239216	239217	239218	239219
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083160	L23083161	L23083162	L23083163	L23083164	L23083165	L23083166	L23083167

**ALGAL**

**MA91 : Individual Species Total Count, Total BioVol, Total ASU**

Algae Source*	N/A	-	-	-	EXTERNAL	-	-	-	-
Date of Performance	DD/MM/YY				30/10/23 00:00				

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.**

DOC	mg/L	-	-	-	-	-	13.9	-	-
TOC	mg/L	-	-	-	-	13.7	-	-	-
Date of Performance	DD/MM/YY					20/10/23	20/10/23		

**NUTRIENTS**

**NU102 : Total Nitrogen & Total Phosphorus**

Total Nitrogen	mg/L	1.94	-	-	-	-	-	1.02	-
Total Phosphorus	mg/L	0.239	-	-	-	-	-	0.171	-
Date of Performance	DD/MM/YY	17/10/23						17/10/23	

**NU40 : Ammonia - Nitrogen**

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

Client Sample ID		239212	239213	239214	239215	239216	239217	239218	239219
Sampled Date		11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
Sample Number		L23083160	L23083161	L23083162	L23083163	L23083164	L23083165	L23083166	L23083167
<b>NUTRIENTS</b>									
<b>NU40 : Ammonia - Nitrogen(Continued)</b>									
Ammonia NH3 -N Low Level	mg/L	-	-	<0.01	-	-	-	-	-
Date of Performance	DD/MM/YY			17/10/23					
<b>NU43 : Oxidised - Nitrogen</b>									
Oxidised Nitrogen NOx-N Low Level	mg/L	-	-	0.01	-	-	-	-	-
Date of Performance	DD/MM/YY			17/10/23					
<b>NU54 : Soluble Reactive Phosphorus mg P/L.</b>									
Soluble Reactive Phosphorus	mg/L	-	-	0.009	-	-	-	-	-
Date of Performance	DD/MM/YY			18/10/23					
<b>NU60 : Filterable Nitrogen &amp; Phosphorus</b>									
Total Filtered Nitrogen	mg/L	-	0.70	-	-	-	-	-	0.68
Filtered Total Phosphorus	mg/L	-	0.027	-	-	-	-	-	0.108

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"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239212	239213	239214	239215	239216	239217	239218	239219
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083160	L23083161	L23083162	L23083163	L23083164	L23083165	L23083166	L23083167

**NUTRIENTS**

<b>Date of Performance</b>	DD/MM/YY	17/10/23	17/10/23
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<b>Client Sample ID</b>	239220	239221	239222	239223	239224	239225	239226
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM
<b>Sample Number</b>	L23083168	L23083169	L23083170	L23083171	L23083172	L23083173	L23083174

**ALGAL**

**MA71CENT : Blue-Green ID & Enumeration, Including ASU & Biovolumes**

Blue Green ASU	ASU/mL	-	1704	-	-	-	-	-
Blue Green Biovol	mm3/L	-	1.42	-	-	-	-	-
Potentially Toxic Blue Green	cells/mL	-	6650	-	-	-	-	-
Potentially Toxic Blue Green ASU	ASU/mL	-	580.8	-	-	-	-	-
Potentially Toxic Blue Green Biovol	mm3/L	-	1.15	-	-	-	-	-
Total Blue Green	cells/mL	-	593400	-	-	-	-	-

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"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239220	239221	239222	239223	239224	239225	239226	
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	
<b>Sample Number</b>	L23083168	L23083169	L23083170	L23083171	L23083172	L23083173	L23083174	

**ALGAL**

**MA91 : Individual Species Total Count, Total BioVol, Total ASU**

Algae Source*	N/A	-	EXTERNAL	-	-	-	-	-
Date of Performance	DD/MM/YY		30/10/23 00:00					

**CHEMISTRY**

**WC97 : Organic Carbon - Dissolved, Total.**

DOC	mg/L	-	-	-	13.3	-	-	-
TOC	mg/L	-	-	13.5	-	-	-	-
Date of Performance	DD/MM/YY			20/10/23	20/10/23			

**NUTRIENTS**

**NU102 : Total Nitrogen & Total Phosphorus**

Total Nitrogen	mg/L	-	-	-	-	1.01	-	-
Total Phosphorus	mg/L	-	-	-	-	0.348	-	-
Date of Performance	DD/MM/YY					17/10/23		

**NU40 : Ammonia - Nitrogen**

\* Indicates NATA accreditation does not cover the performance of this service

"-" = Not required or refer to Laboratory comment

<b>Client Sample ID</b>	239220	239221	239222	239223	239224	239225	239226	
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	
<b>Sample Number</b>	L23083168	L23083169	L23083170	L23083171	L23083172	L23083173	L23083174	

**NUTRIENTS**

**NU40 : Ammonia - Nitrogen(Continued)**

Ammonia NH3 -N Low Level	mg/L	0.02	-	-	-	-	-	<0.01
Date of Performance	DD/MM/YY	17/10/23						17/10/23

**NU43 : Oxidised - Nitrogen**

Oxidised Nitrogen NOx-N Low Level	mg/L	0.01	-	-	-	-	-	0.01
Date of Performance	DD/MM/YY	17/10/23						17/10/23

**NU54 : Soluble Reactive Phosphorus mg P/L.**

Soluble Reactive Phosphorus	mg/L	0.088	-	-	-	-	-	0.243
Date of Performance	DD/MM/YY	18/10/23						18/10/23

**NU60 : Filterable Nitrogen & Phosphorus**

Total Filtered Nitrogen	mg/L	-	-	-	-	-	0.62	-
Filtered Total Phosphorus	mg/L	-	-	-	-	-	0.261	-

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"-" = Not required or refer to Laboratory comment



<b>Client Sample ID</b>	239220	239221	239222	239223	239224	239225	239226	
<b>Sampled Date</b>	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	11/10/2023 12:00:00 AM	
<b>Sample Number</b>	L23083168	L23083169	L23083170	L23083171	L23083172	L23083173	L23083174	
<b>NUTRIENTS</b>								
Date of Performance	DD/MM/YY						17/10/23	

**COMMENTS**

<u>Sample ID</u>	<u>Comment Level</u>	<u>Method</u>	<u>Test</u>	<u>Comment</u>
L23083117	Method	MA91	-	Debris present in the sample.
L23083123	Method	MA91	-	Debris present in the sample.
L23083129	Method	MA91	-	Debris present in the sample.
L23083135	Method	MA91	-	Debris present in the sample.
L23083141	Method	MA91	-	Debris present in the sample.
L23083157	Method	MA91	-	Debris present in the sample.
L23083163	Method	MA91	-	Debris present in the sample.
L23083169	Method	MA91	-	Debris present in the sample.

\* Indicates NATA accreditation does not cover the performance of this service

**LABORATORY QC RESULTS**

N/A - Not Applicable

PQL - Practical Quantitation Limit

LOQ - Limit of Quantification

RPD - Relative Percent Difference

SPIKE/Positive Control - Addition of a known amount and concentration

Duplicate Precision = Accepted - Result 2 within 95% confidence limits of result 1

Duplicate Precision = Outlier - Result 2 outside 95% confidence limits of result 1

Duplicate Precision = Not calculated - Result is outside test range

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LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
<b>NU102 Total Nitrogen</b>						
<0.05 mg/L	<0.05	0.96 <i>0.88 - 1.12 mg/L</i>	101 % Recovery <i>80.0 - 120.0 % Recovery</i>	0.26	0.27	B <i>0.0 - 0.0 %</i>
<b>NU102 Total Phosphorus</b>						
<0.002 mg/L	<0.002	0.050 <i>0.045 - 0.055 mg/L</i>	94 % Recovery <i>80.0 - 120.0 % Recovery</i>	0.009	0.010	B <i>0.0 - 0.0 %</i>
<b>NU40 Ammonia NH3 -N Low Level</b>						
<0.01 mg/L	<0.01	0.21 <i>0.18 - 0.22 mg/L</i>	100 % Recovery <i>80.0 - 120.0 % Recovery</i>	0.37	0.38	2.67 % <i>0.0 - 20.0 %</i>
<b>NU43 Oxidised Nitrogen NOx-N Low Level</b>						
<0.01 mg/L	<0.01	0.30 <i>0.27 - 0.33 mg/L</i>	100 % Recovery <i>80.0 - 120.0 % Recovery</i>	0.25	0.25	0.00 % <i>0.0 - 20.0 %</i>
<b>NU54 Soluble Reactive Phosphorus</b>						
<0.002 mg/L	<0.002	0.047 <i>0.045 - 0.055 mg/L</i>	85 % Recovery <i>80.0 - 120.0 % Recovery</i>	0.005	0.005	B <i>0.0 - 0.0 %</i>
<b>TC0049DW Anatoxin-a(extracellular)</b>						
<0.1 ug/L	<0.1	71 <i>50.0 - 120.0 ug/L</i>	68 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.1	<0.1	B <i>0.0 - 0.0 %</i>

\* Indicates NATA accreditation does not cover the performance of this service

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
<b>TC0049DW Anatoxin-a(intracellular)</b>						
<0.1 ug/L	F		E	<0.1	<0.1	B 0.0 - 0.0 %
<b>TC0049DW Anatoxin-a(total)</b>						
<0.1 ug/L	F		E	<0.1	<0.1	B 0.0 - 0.0 %
<b>TC0049DW Cylindrospermopsin (extracellular)</b>						
<0.05 ug/L	<0.05	77 50.0 - 120.0 ug/L	72 % Recovery 50.0 - 130.0 % Recovery	<0.05	<0.05	B 0.0 - 0.0 %
<b>TC0049DW Cylindrospermopsin (intracellular)</b>						
<0.05 ug/L	F		E	<0.05	<0.05	B 0.0 - 0.0 %
<b>TC0049DW Cylindrospermopsin(total)</b>						
<0.05 ug/L	F		E	<0.05	<0.05	B 0.0 - 0.0 %
<b>TC0049DW Microcystin LR(extracellular)</b>						
<0.05 ug/L	<0.05	75 50.0 - 120.0 ug/L	64 % Recovery 50.0 - 130.0 % Recovery	<0.05	<0.05	B 0.0 - 0.0 %
<b>TC0049DW Microcystin LR(intracellular)</b>						
<0.05 ug/L	F		E	<0.05	<0.05	B 0.0 - 0.0 %

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LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
<b>TC0049DW Microcystin LR(total)</b>						
<0.05 ug/L	F		E	<0.05	<0.05	B 0.0 - 0.0 %
<b>TC0049DW Microcystin RR(extracellular)</b>						
<0.05 ug/L	<0.05	75 50.0 - 120.0 ug/L	66 % Recovery 50.0 - 130.0 % Recovery	<0.05	<0.05	B 0.0 - 0.0 %
<b>TC0049DW Microcystin RR(intracellular)</b>						
<0.05 ug/L	F		E	<0.05	<0.05	B 0.0 - 0.0 %
<b>TC0049DW Microcystin RR(total)</b>						
<0.05 ug/L	F		E	<0.05	<0.05	B 0.0 - 0.0 %
<b>TC0049DW Microcystin YR(extracellular)</b>						
<0.05 ug/L	<0.05	86 50.0 - 120.0 ug/L	70 % Recovery 50.0 - 130.0 % Recovery	<0.05	<0.05	B 0.0 - 0.0 %
<b>TC0049DW Microcystin YR(intracellular)</b>						
<0.05 ug/L	F		E	<0.05	<0.05	B 0.0 - 0.0 %
<b>TC0049DW Microcystin YR(total)</b>						
<0.05 ug/L	F		E	<0.05	<0.05	B 0.0 - 0.0 %

\* Indicates NATA accreditation does not cover the performance of this service

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
<b>TC0049DW Nodularin (extracellular)</b>						
<0.1 ug/L	<0.1	74 <i>50.0 - 120.0 ug/L</i>	71 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.1	<0.1	B <i>0.0 - 0.0 %</i>
<b>TC0049DW Nodularin (intracellular)</b>						
<0.1 ug/L	F		E	<0.1	<0.1	B <i>0.0 - 0.0 %</i>
<b>TC0049DW Nodularin (total)</b>						
<0.1 ug/L	F		E	<0.1	<0.1	B <i>0.0 - 0.0 %</i>
<b>TC0061DW C1</b>						
<0.5 ug/L	<0.5	94 <i>70.0 - 130.0 ug/L</i>	110 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.5	<0.5	B <i>0.0 - 0.0 %</i>
<b>TC0061DW C2</b>						
<0.3 ug/L	<0.3	99 <i>70.0 - 130.0 ug/L</i>	130 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.3	<0.3	B <i>0.0 - 0.0 %</i>
<b>TC0061DW dcGTX2</b>						
<0.5 ug/L	<0.5	120 <i>70.0 - 130.0 ug/L</i>	62 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.5	<0.5	B <i>0.0 - 0.0 %</i>
<b>TC0061DW dcGTX3</b>						
<0.3 ug/L	<0.3	120 <i>70.0 - 130.0 ug/L</i>	71 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.3	<0.3	B <i>0.0 - 0.0 %</i>

\* Indicates NATA accreditation does not cover the performance of this service

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
<b>TC0061DW dcNeo</b>						
<0.5 ug/L	<0.5	110 <i>70.0 - 130.0 ug/L</i>	110 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.5	<0.5	B <i>0.0 - 0.0 %</i>
<b>TC0061DW dcSTX</b>						
<0.5 ug/L	<0.5	97 <i>70.0 - 130.0 ug/L</i>	85 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.5	<0.5	B <i>0.0 - 0.0 %</i>
<b>TC0061DW GTX1</b>						
<0.5 ug/L	<0.5	70 <i>70.0 - 130.0 ug/L</i>	58 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.5	<0.5	B <i>0.0 - 0.0 %</i>
<b>TC0061DW GTX2</b>						
<1 ug/L	<1	88 <i>70.0 - 130.0 ug/L</i>	110 % Recovery <i>50.0 - 130.0 % Recovery</i>	<1	<1	B <i>0.0 - 0.0 %</i>
<b>TC0061DW GTX3</b>						
<0.5 ug/L	<0.5	100 <i>70.0 - 130.0 ug/L</i>	120 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.5	<0.5	B <i>0.0 - 0.0 %</i>
<b>TC0061DW GTX4</b>						
<0.3 ug/L	<0.3	120 <i>70.0 - 130.0 ug/L</i>	68 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.3	<0.3	B <i>0.0 - 0.0 %</i>
<b>TC0061DW GTX5</b>						
<0.5 ug/L	<0.5	100 <i>70.0 - 130.0 ug/L</i>	92 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.5	<0.5	B <i>0.0 - 0.0 %</i>

\* Indicates NATA accreditation does not cover the performance of this service

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
<b>TC0061DW GTX6</b>						
<0.3 ug/L	<0.3	100 <i>70.0 - 130.0 ug/L</i>	120 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.3	<0.3	B <i>0.0 - 0.0 %</i>
<b>TC0061DW Neosaxitoxin</b>						
<0.3 ug/L	<0.3	120 <i>70.0 - 130.0 ug/L</i>	110 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.3	<0.3	B <i>0.0 - 0.0 %</i>
<b>TC0061DW Saxitoxin</b>						
<0.4 ug/L	<0.4	120 <i>70.0 - 130.0 ug/L</i>	74 % Recovery <i>50.0 - 130.0 % Recovery</i>	<0.4	<0.4	B <i>0.0 - 0.0 %</i>
<b>WC97 DOC</b>						
<0.2 mg/L	<0.2	5.0 <i>4.5 - 5.5 mg/L</i>	104 % Recovery <i>80.0 - 120.0 % Recovery</i>	3.8	3.7	2.67 % <i>0.0 - 50.0 %</i>
<b>WC97 TOC</b>						
<0.2 mg/L	<0.2	5.0 <i>4.5 - 5.5 mg/L</i>	111 % Recovery <i>80.0 - 120.0 % Recovery</i>	12.6	12.5	0.80 % <i>0.0 - 20.0 %</i>

\* Indicates NATA accreditation does not cover the performance of this service



## Extra Note:

F: Blank is not applicable for this analyte

E: Spike is not applicable for this analyte

DUPLICATE Total Nitrogen B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Total Phosphorus B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Soluble Reactive Phosphorus B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Anatoxin-a(extracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Anatoxin-a(intracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Anatoxin-a(total) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Cylindrospermopsin (extracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Cylindrospermopsin (intracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Cylindrospermopsin(total) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Microcystin LR(extracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Microcystin LR(intracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Microcystin LR(total) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Microcystin RR(extracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Microcystin RR(intracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Microcystin RR(total) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Microcystin YR(extracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Microcystin YR(intracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Microcystin YR(total) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Nodularin (extracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Nodularin (intracellular) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Nodularin (total) B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE C1 B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE C2 B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE dcGTX2 B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE dcGTX3 B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE dcNeo B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE dcSTX B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE GTX1 B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE GTX2 B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE GTX3 B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE GTX4 B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE GTX5 B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

\* Indicates NATA accreditation does not cover the performance of this service

DUPLICATE GTX6 B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Neosaxitoxin B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

DUPLICATE Saxitoxin B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ

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\* Indicates NATA accreditation does not cover the performance of this service