



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



## Final Report 285313

Issue Date: 29/05/2023  
Issued By : [REDACTED], Commercial Client Representative

Supersedes Report No.: 285249

Attention: [REDACTED]  
Customer: Department of Planning and Environment  
Customer ID: ZOEH\_1

Delivery Address: Sydney Water Corporation  
[REDACTED]  
West Ryde NSW 2114

Telephone: [REDACTED]  
Email: [REDACTED]

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

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### **Sydney Water Approved Signatory**

|                                 |                              |                                     |
|---------------------------------|------------------------------|-------------------------------------|
| [REDACTED] Phycology Supervisor | [REDACTED], Organics Analyst | [REDACTED], Organics Senior 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<br/>Sample ID</u> | <u>Sample<br/>Number</u> | <u>Sampling<br/>Procedure</u> | <u>Date<br/>Sampled</u> | <u>Date<br/>Received</u> | <u>Date<br/>Authorised</u> | <u>Description</u>          |
|-----------------------------|--------------------------|-------------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|
| 232963                      | L23038852                | 1                             | 05/05/2023              | 09/05/2023               | 26/05/2023                 | E11-2 (ENVIRONMENTAL WATER) |
| 232965                      | L23038853                | 1                             | 05/05/2023              | 09/05/2023               | 26/05/2023                 | E12-2 (ENVIRONMENTAL WATER) |
| 232967                      | L23038854                | 1                             | 05/05/2023              | 09/05/2023               | 26/05/2023                 | E13-2 (ENVIRONMENTAL WATER) |
| 232969                      | L23038855                | 1                             | 05/05/2023              | 09/05/2023               | 25/05/2023                 | E14-2 (ENVIRONMENTAL WATER) |
| 232971                      | L23038856                | 1                             | 05/05/2023              | 09/05/2023               | 26/05/2023                 | E15-2 (ENVIRONMENTAL WATER) |
| 232972                      | L23038857                | 1                             | 05/05/2023              | 09/05/2023               | 29/05/2023                 | E11-1 (ENVIRONMENTAL WATER) |
| 232973                      | L23038858                | 1                             | 05/05/2023              | 09/05/2023               | 29/05/2023                 | E12-1 (ENVIRONMENTAL WATER) |
| 232974                      | L23038859                | 1                             | 05/05/2023              | 09/05/2023               | 29/05/2023                 | E13-1 (ENVIRONMENTAL WATER) |
| 232975                      | L23038860                | 1                             | 05/05/2023              | 09/05/2023               | 29/05/2023                 | E14-1 (ENVIRONMENTAL WATER) |
| 232976                      | L23038861                | 1                             | 05/05/2023              | 09/05/2023               | 29/05/2023                 | E15-1 (ENVIRONMENTAL WATER) |

**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> | 232963                    | 232965                    | 232967                    | 232969                    | 232971                    | 232972                    | 232973                    | 232974                    |
| <b>Sampled Date</b>     | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM |
| <b>Sample Number</b>    | L23038852                 | L23038853                 | L23038854                 | L23038855                 | L23038856                 | L23038857                 | L23038858                 | L23038859                 |

**ALGAL**

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

|                                     |          |        |        |        |        |        |   |   |   |
|-------------------------------------|----------|--------|--------|--------|--------|--------|---|---|---|
| Blue Green ASU                      | ASU/mL   | 4602   | 2244   | 1825   | 1772   | 939.2  | - | - | - |
| Blue Green Biovol                   | mm3/L    | 7.46   | 3.19   | 2.98   | 3.63   | 0.943  | - | - | - |
| Potentially Toxic Blue Green        | cells/mL | 15260  | 7130   | 1800   | 5470   | 2230   | - | - | - |
| Potentially Toxic Blue Green ASU    | ASU/mL   | 525.6  | 315.9  | 68.2   | 209.8  | 84.2   | - | - | - |
| Potentially Toxic Blue Green Biovol | mm3/L    | 0.496  | 0.341  | 0.052  | 0.208  | 0.065  | - | - | - |
| Total Blue Green                    | cells/mL | 748800 | 578400 | 160500 | 174900 | 107800 | - | - | - |

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

|                     |          |                |                |                |                |                |   |   |   |
|---------------------|----------|----------------|----------------|----------------|----------------|----------------|---|---|---|
| Algae Source*       | N/A      | EXTERNAL       | EXTERNAL       | EXTERNAL       | EXTERNAL       | EXTERNAL       | - | - | - |
| Date of Performance | DD/MM/YY | 26/05/23 00:00 | 26/05/23 00:00 | 26/05/23 00:00 | 25/05/23 00:00 | 26/05/23 00:00 |   |   |   |

**ORGANICS**

**TC0049DW : Algal Toxins**

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

"-" = Not required or refer to Laboratory comment

|                         |                           |                           |                           |                           |                           |                           |                           |                           |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <b>Client Sample ID</b> | 232963                    | 232965                    | 232967                    | 232969                    | 232971                    | 232972                    | 232973                    | 232974                    |
| <b>Sampled Date</b>     | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM |
| <b>Sample Number</b>    | L23038852                 | L23038853                 | L23038854                 | L23038855                 | L23038856                 | L23038857                 | L23038858                 | L23038859                 |

**ORGANICS**

**TC0049DW : Algal Toxins(Continued)**

|                                     |      |   |   |   |   |   |       |       |       |
|-------------------------------------|------|---|---|---|---|---|-------|-------|-------|
| Anatoxin-a(extracellular)           | ug/L | - | - | - | - | - | <0.1  | <0.1  | <0.1  |
| Anatoxin-a(intracellular)           | ug/L | - | - | - | - | - | <0.1  | <0.1  | <0.1  |
| Anatoxin-a(total)                   | ug/L | - | - | - | - | - | <0.1  | <0.1  | <0.1  |
| Cylindrospermopsin (extra cellular) | ug/L | - | - | - | - | - | 0.84  | 0.83  | 0.92  |
| Cylindrospermopsin (intra cellular) | ug/L | - | - | - | - | - | <0.05 | 0.08  | <0.05 |
| Cylindrospermopsin(total)           | ug/L | - | - | - | - | - | 0.88  | 0.91  | 0.94  |
| Microcystin LR(extracellular)       | ug/L | - | - | - | - | - | <0.05 | <0.05 | <0.05 |
| Microcystin LR(intracellular)       | ug/L | - | - | - | - | - | <0.05 | <0.05 | <0.05 |
| Microcystin LR(total)               | ug/L | - | - | - | - | - | <0.05 | <0.05 | <0.05 |
| Microcystin RR(extracellular)       | ug/L | - | - | - | - | - | <0.05 | <0.05 | <0.05 |
|                                     |      |   |   |   |   |   |       |       |       |

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|                         |                           |                           |                           |                           |                           |                           |                           |                           |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <b>Client Sample ID</b> | 232963                    | 232965                    | 232967                    | 232969                    | 232971                    | 232972                    | 232973                    | 232974                    |
| <b>Sampled Date</b>     | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM |
| <b>Sample Number</b>    | L23038852                 | L23038853                 | L23038854                 | L23038855                 | L23038856                 | L23038857                 | L23038858                 | L23038859                 |

**ORGANICS**

**TC0049DW : Algal Toxins(Continued)**

|                               |          |   |   |   |   |   |          |          |          |
|-------------------------------|----------|---|---|---|---|---|----------|----------|----------|
| Microcystin RR(intracellular) | ug/L     | - | - | - | - | - | <0.05    | <0.05    | <0.05    |
| Microcystin RR(total)         | ug/L     | - | - | - | - | - | <0.05    | <0.05    | <0.05    |
| Microcystin YR(extracellular) | ug/L     | - | - | - | - | - | <0.05    | <0.05    | <0.05    |
| Microcystin YR(intracellular) | ug/L     | - | - | - | - | - | <0.05    | <0.05    | <0.05    |
| Microcystin YR(total)         | ug/L     | - | - | - | - | - | <0.05    | <0.05    | <0.05    |
| Nodularin (extracellular)     | ug/L     | - | - | - | - | - | <0.1     | <0.1     | <0.1     |
| Nodularin (intracellular)     | ug/L     | - | - | - | - | - | <0.1     | <0.1     | <0.1     |
| Nodularin (total)             | ug/L     | - | - | - | - | - | <0.1     | <0.1     | <0.1     |
| Date of Performance           | DD/MM/YY |   |   |   |   |   | 12/05/23 | 12/05/23 | 12/05/23 |

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

|    |      |   |   |   |   |   |      |      |      |
|----|------|---|---|---|---|---|------|------|------|
| C1 | ug/L | - | - | - | - | - | <0.5 | <0.5 | <0.5 |
|    |      |   |   |   |   |   |      |      |      |

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|                         |                           |                           |                           |                           |                           |                           |                           |                           |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <b>Client Sample ID</b> | 232963                    | 232965                    | 232967                    | 232969                    | 232971                    | 232972                    | 232973                    | 232974                    |
| <b>Sampled Date</b>     | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM |
| <b>Sample Number</b>    | L23038852                 | L23038853                 | L23038854                 | L23038855                 | L23038856                 | L23038857                 | L23038858                 | L23038859                 |

**ORGANICS**

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

|              |      |   |   |   |   |   |      |      |      |
|--------------|------|---|---|---|---|---|------|------|------|
| C2           | ug/L | - | - | - | - | - | <0.3 | <0.3 | <0.3 |
| dcGTX2       | ug/L | - | - | - | - | - | <0.5 | <0.5 | <0.5 |
| dcGTX3       | ug/L | - | - | - | - | - | <0.3 | <0.3 | <0.3 |
| dcNeo        | ug/L | - | - | - | - | - | <0.5 | <0.5 | <0.5 |
| dcSTX        | ug/L | - | - | - | - | - | <0.5 | <0.5 | <0.5 |
| GTX1         | ug/L | - | - | - | - | - | <0.5 | <0.5 | <0.5 |
| GTX2         | ug/L | - | - | - | - | - | <1   | <1   | <1   |
| GTX3         | ug/L | - | - | - | - | - | <0.5 | <0.5 | <0.5 |
| GTX4         | ug/L | - | - | - | - | - | <0.3 | <0.3 | <0.3 |
| GTX5         | ug/L | - | - | - | - | - | <0.5 | <0.5 | <0.5 |
| GTX6         | ug/L | - | - | - | - | - | <0.3 | <0.3 | <0.3 |
| Neosaxitoxin | ug/L | - | - | - | - | - | <0.3 | <0.3 | <0.3 |

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|                         |                           |                           |                           |                           |                           |                           |                           |                           |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <b>Client Sample ID</b> | 232963                    | 232965                    | 232967                    | 232969                    | 232971                    | 232972                    | 232973                    | 232974                    |
| <b>Sampled Date</b>     | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM |
| <b>Sample Number</b>    | L23038852                 | L23038853                 | L23038854                 | L23038855                 | L23038856                 | L23038857                 | L23038858                 | L23038859                 |

**ORGANICS**

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

|                     |          |   |   |   |   |   |          |          |          |
|---------------------|----------|---|---|---|---|---|----------|----------|----------|
| Saxitoxin           | ug/L     | - | - | - | - | - | <0.4     | <0.4     | <0.4     |
| Date of Performance | DD/MM/YY |   |   |   |   |   | 25/05/23 | 25/05/23 | 25/05/23 |

|                         |                           |                           |  |  |  |  |  |  |
|-------------------------|---------------------------|---------------------------|--|--|--|--|--|--|
| <b>Client Sample ID</b> | 232975                    | 232976                    |  |  |  |  |  |  |
| <b>Sampled Date</b>     | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM |  |  |  |  |  |  |
| <b>Sample Number</b>    | L23038860                 | L23038861                 |  |  |  |  |  |  |

**ORGANICS**

TC0049DW : Algal Toxins

|                                     |      |      |      |  |  |  |  |  |
|-------------------------------------|------|------|------|--|--|--|--|--|
| Anatoxin-a(extracellular)           | ug/L | <0.1 | <0.1 |  |  |  |  |  |
| Anatoxin-a(intracellular)           | ug/L | <0.1 | <0.1 |  |  |  |  |  |
| Anatoxin-a(total)                   | ug/L | <0.1 | <0.1 |  |  |  |  |  |
| Cylindrospermopsin (extra cellular) | ug/L | 0.67 | 0.52 |  |  |  |  |  |

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|                                     |      |                           |                           |  |  |  |  |  |  |
|-------------------------------------|------|---------------------------|---------------------------|--|--|--|--|--|--|
| <b>Client Sample ID</b>             |      | 232975                    | 232976                    |  |  |  |  |  |  |
| <b>Sampled Date</b>                 |      | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM |  |  |  |  |  |  |
| <b>Sample Number</b>                |      | L23038860                 | L23038861                 |  |  |  |  |  |  |
| <b>ORGANICS</b>                     |      |                           |                           |  |  |  |  |  |  |
| TC0049DW : Algal Toxins(Continued)  |      |                           |                           |  |  |  |  |  |  |
| Cylindrospermopsin (intra cellular) | ug/L | <0.05                     | <0.05                     |  |  |  |  |  |  |
| Cylindrospermopsin(total)           | ug/L | 0.68                      | 0.53                      |  |  |  |  |  |  |
| Microcystin LR(extracellular)       | ug/L | <0.05                     | <0.05                     |  |  |  |  |  |  |
| Microcystin LR(intracellular)       | ug/L | <0.05                     | <0.05                     |  |  |  |  |  |  |
| Microcystin LR(total)               | ug/L | <0.05                     | <0.05                     |  |  |  |  |  |  |
| Microcystin RR(extracellular)       | ug/L | <0.05                     | <0.05                     |  |  |  |  |  |  |
| Microcystin RR(intracellular)       | ug/L | <0.05                     | <0.05                     |  |  |  |  |  |  |
| Microcystin RR(total)               | ug/L | <0.05                     | <0.05                     |  |  |  |  |  |  |
| Microcystin YR(extracellular)       | ug/L | <0.05                     | <0.05                     |  |  |  |  |  |  |
| Microcystin YR(intracellular)       | ug/L | <0.05                     | <0.05                     |  |  |  |  |  |  |

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|                         |                           |                           |  |  |  |  |  |  |
|-------------------------|---------------------------|---------------------------|--|--|--|--|--|--|
| <b>Client Sample ID</b> | 232975                    | 232976                    |  |  |  |  |  |  |
| <b>Sampled Date</b>     | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM |  |  |  |  |  |  |
| <b>Sample Number</b>    | L23038860                 | L23038861                 |  |  |  |  |  |  |

**ORGANICS**

TC0049DW : Algal Toxins(Continued)

|                           |          |          |          |  |  |  |  |  |
|---------------------------|----------|----------|----------|--|--|--|--|--|
| Microcystin YR(total)     | ug/L     | <0.05    | <0.05    |  |  |  |  |  |
| Nodularin (extracellular) | ug/L     | <0.1     | <0.1     |  |  |  |  |  |
| Nodularin (intracellular) | ug/L     | <0.1     | <0.1     |  |  |  |  |  |
| Nodularin (total)         | ug/L     | <0.1     | <0.1     |  |  |  |  |  |
| Date of Performance       | DD/MM/YY | 12/05/23 | 12/05/23 |  |  |  |  |  |

TC0061DW : Paralytic Shellfish Toxins (PST) Analysis by UPLCMSMS

|        |      |      |      |  |  |  |  |  |
|--------|------|------|------|--|--|--|--|--|
| C1     | ug/L | <0.5 | <0.5 |  |  |  |  |  |
| C2     | ug/L | <0.3 | <0.3 |  |  |  |  |  |
| dcGTX2 | ug/L | <0.5 | <0.5 |  |  |  |  |  |
| dcGTX3 | ug/L | <0.3 | <0.3 |  |  |  |  |  |
| dcNeo  | ug/L | <0.5 | <0.5 |  |  |  |  |  |
| dcSTX  | ug/L | <0.5 | <0.5 |  |  |  |  |  |

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|   |          |                           |                           |  |  |  |  |  |  |
|---|----------|---------------------------|---------------------------|--|--|--|--|--|--|
| <b>Client Sample ID</b>   |          | 232975                    | 232976                    |  |  |  |  |  |  |
| <b>Sampled Date</b>   |          | 05/05/2023<br>12:00:00 AM | 05/05/2023<br>12:00:00 AM |  |  |  |  |  |  |
| <b>Sample Number</b>  |          | L23038860                 | L23038861                 |  |  |  |  |  |  |
| <b>ORGANICS</b>   |          |                           |                           |  |  |  |  |  |  |
| TC0061DW : Paralytic Shellfish Toxins (PST) Analysis by UPLCMSMS(Continued) |          |                           |                           |  |  |  |  |  |  |
| GTX1  | ug/L     | <0.5                      | <0.5                      |  |  |  |  |  |  |
| GTX2  | ug/L     | <1                        | <1                        |  |  |  |  |  |  |
| GTX3  | ug/L     | <0.5                      | <0.5                      |  |  |  |  |  |  |
| GTX4  | ug/L     | <0.3                      | <0.3                      |  |  |  |  |  |  |
| GTX5  | ug/L     | <0.5                      | <0.5                      |  |  |  |  |  |  |
| GTX6  | ug/L     | <0.3                      | <0.3                      |  |  |  |  |  |  |
| Neosaxitoxin  | ug/L     | <0.3                      | <0.3                      |  |  |  |  |  |  |
| Saxitoxin   | ug/L     | <0.4                      | <0.4                      |  |  |  |  |  |  |
| Date of Performance   | DD/MM/YY | 25/05/23                  | 25/05/23                  |  |  |  |  |  |  |

**COMMENTS**

| <u>Sample ID</u> | <u>Comment Level</u> | <u>Method</u> | <u>Test</u> | <u>Comment</u>                |
|------------------|----------------------|---------------|-------------|-------------------------------|
| L23038852        | Method               | MA91          | -           | Debris present in the sample. |
| L23038853        | Method               | MA91          | -           | Debris present in the sample. |
| L23038854        | Method               | MA91          | -           | Debris present in the sample. |

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

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|           |        |      |   |                               |
|-----------|--------|------|---|-------------------------------|
| L23038855 | Method | MA91 | - | Debris present in the sample. |
| L23038856 | Method | MA91 | - | Debris present in the sample. |

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**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<br><i>Acceptance Criteria</i> | Spike<br><i>Acceptance Criteria</i>      | Duplicate1 | Duplicate2 | RPD<br><i>Acceptance Criteria</i> |
|---|-------|---------------------------------------|--|------------|------------|-----------------------------------|
| <b>TC0049DW Anatoxin-a(extracellular)</b>         |       |                                       |  |            |            |                                   |
| <0.1 ug/L   | <0.1  | 100<br>50.0 - 120.0 ug/L              | 81 % Recovery<br>50.0 - 130.0 % Recovery | <0.1       | <0.1       | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Anatoxin-a(intracellular)</b>         |       |                                       |  |            |            |                                   |
| <0.1 ug/L   | F     |                                       | E  | <0.1       | <0.1       | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Anatoxin-a(total)</b>                 |       |                                       |  |            |            |                                   |
| <0.1 ug/L   | F     |                                       | E  | <0.1       | <0.1       | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Cyindrospermopsin (extracellular)</b> |       |                                       |  |            |            |                                   |
| <0.05 ug/L  | <0.05 | 87<br>50.0 - 120.0 ug/L               | 79 % Recovery<br>50.0 - 130.0 % Recovery | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Cyindrospermopsin (intracellular)</b> |       |                                       |  |            |            |                                   |
| <0.05 ug/L  | F     |                                       | E  | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Cyindrospermopsin(total)</b>          |       |                                       |  |            |            |                                   |
| <0.05 ug/L  | F     |                                       | E  | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |

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

| LOQ   | Blank | Control<br><i>Acceptance Criteria</i> | Spike<br><i>Acceptance Criteria</i>      | Duplicate1 | Duplicate2 | RPD<br><i>Acceptance Criteria</i> |
|---|-------|---------------------------------------|--|------------|------------|-----------------------------------|
| <b>TC0049DW Microcystin LR(extracellular)</b> |       |                                       |  |            |            |                                   |
| <0.05 ug/L                                    | <0.05 | 70<br>50.0 - 120.0 ug/L               | 58 % Recovery<br>50.0 - 130.0 % Recovery | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Microcystin LR(intracellular)</b> |       |                                       |  |            |            |                                   |
| <0.05 ug/L                                    | F     |                                       | E  | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Microcystin LR(total)</b>         |       |                                       |  |            |            |                                   |
| <0.05 ug/L                                    | F     |                                       | E  | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Microcystin RR(extracellular)</b> |       |                                       |  |            |            |                                   |
| <0.05 ug/L                                    | <0.05 | 81<br>50.0 - 120.0 ug/L               | 55 % Recovery<br>50.0 - 130.0 % Recovery | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Microcystin RR(intracellular)</b> |       |                                       |  |            |            |                                   |
| <0.05 ug/L                                    | F     |                                       | E  | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Microcystin RR(total)</b>         |       |                                       |  |            |            |                                   |
| <0.05 ug/L                                    | F     |                                       | E  | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Microcystin YR(extracellular)</b> |       |                                       |  |            |            |                                   |
| <0.05 ug/L                                    | <0.05 | 80<br>50.0 - 120.0 ug/L               | 62 % Recovery<br>50.0 - 130.0 % Recovery | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |

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| LOQ   | Blank | Control<br><i>Acceptance Criteria</i> | Spike<br><i>Acceptance Criteria</i>       | Duplicate1 | Duplicate2 | RPD<br><i>Acceptance Criteria</i> |
|---|-------|---------------------------------------|---|------------|------------|-----------------------------------|
| <b>TC0049DW Microcystin YR(intracellular)</b> |       |                                       |   |            |            |                                   |
| <0.05 ug/L                                    | F     |                                       | E   | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Microcystin YR(total)</b>         |       |                                       |   |            |            |                                   |
| <0.05 ug/L                                    | F     |                                       | E   | <0.05      | <0.05      | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Nodularin (extracellular)</b>     |       |                                       |   |            |            |                                   |
| <0.1 ug/L                                     | <0.1  | 73<br>50.0 - 120.0 ug/L               | 59 % Recovery<br>50.0 - 130.0 % Recovery  | <0.1       | <0.1       | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Nodularin (intracellular)</b>     |       |                                       |   |            |            |                                   |
| <0.1 ug/L                                     | F     |                                       | E   | <0.1       | <0.1       | B<br>0.0 - 0.0 %                  |
| <b>TC0049DW Nodularin (total)</b>             |       |                                       |   |            |            |                                   |
| <0.1 ug/L                                     | F     |                                       | E   | <0.1       | <0.1       | B<br>0.0 - 0.0 %                  |
| <b>TC0061DW C1</b>                            |       |                                       |   |            |            |                                   |
| <0.5 ug/L                                     | <0.5  | 110<br>70.0 - 130.0 ug/L              | 87 % Recovery<br>50.0 - 130.0 % Recovery  | <0.5       | <0.5       | B<br>0.0 - 0.0 %                  |
| <b>TC0061DW C2</b>                            |       |                                       |   |            |            |                                   |
| <0.3 ug/L                                     | <0.3  | 110<br>70.0 - 130.0 ug/L              | 100 % Recovery<br>50.0 - 130.0 % Recovery | <0.3       | <0.3       | B<br>0.0 - 0.0 %                  |

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| LOQ                    | Blank | Control<br><i>Acceptance Criteria</i>  | Spike<br><i>Acceptance Criteria</i>                     | Duplicate1 | Duplicate2 | RPD<br><i>Acceptance Criteria</i> |
|------------------------|-------|--|---|------------|------------|-----------------------------------|
| <b>TC0061DW dcGTX2</b> |       |  |   |            |            |                                   |
| <0.5 ug/L              | <0.5  | <b>99</b><br><i>70.0 - 130.0 ug/L</i>  | <b>80 % Recovery</b><br><i>50.0 - 130.0 % Recovery</i>  | <0.5       | <0.5       | <b>B</b><br><i>0.0 - 0.0 %</i>    |
| <b>TC0061DW dcGTX3</b> |       |  |   |            |            |                                   |
| <0.3 ug/L              | <0.3  | <b>98</b><br><i>70.0 - 130.0 ug/L</i>  | <b>100 % Recovery</b><br><i>50.0 - 130.0 % Recovery</i> | <0.3       | <0.3       | <b>B</b><br><i>0.0 - 0.0 %</i>    |
| <b>TC0061DW dcNeo</b>  |       |  |   |            |            |                                   |
| <0.5 ug/L              | <0.5  | <b>110</b><br><i>70.0 - 130.0 ug/L</i> | <b>53 % Recovery</b><br><i>50.0 - 130.0 % Recovery</i>  | <0.5       | <0.5       | <b>B</b><br><i>0.0 - 0.0 %</i>    |
| <b>TC0061DW dcSTX</b>  |       |  |   |            |            |                                   |
| <0.5 ug/L              | <0.5  | <b>110</b><br><i>70.0 - 130.0 ug/L</i> | <b>53 % Recovery</b><br><i>50.0 - 130.0 % Recovery</i>  | <0.5       | <0.5       | <b>B</b><br><i>0.0 - 0.0 %</i>    |
| <b>TC0061DW GTX1</b>   |       |  |   |            |            |                                   |
| <0.5 ug/L              | <0.5  | <b>110</b><br><i>70.0 - 130.0 ug/L</i> | <b>86 % Recovery</b><br><i>50.0 - 130.0 % Recovery</i>  | <0.5       | <0.5       | <b>B</b><br><i>0.0 - 0.0 %</i>    |
| <b>TC0061DW GTX2</b>   |       |  |   |            |            |                                   |
| <1 ug/L                | <1    | <b>110</b><br><i>70.0 - 130.0 ug/L</i> | <b>130 % Recovery</b><br><i>50.0 - 130.0 % Recovery</i> | <1         | <1         | <b>B</b><br><i>0.0 - 0.0 %</i>    |
| <b>TC0061DW GTX3</b>   |       |  |   |            |            |                                   |
| <0.5 ug/L              | <0.5  | <b>100</b><br><i>70.0 - 130.0 ug/L</i> | <b>100 % Recovery</b><br><i>50.0 - 130.0 % Recovery</i> | <0.5       | <0.5       | <b>B</b><br><i>0.0 - 0.0 %</i>    |

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| LOQ                          | Blank | Control<br><i>Acceptance Criteria</i> | Spike<br><i>Acceptance Criteria</i>              | Duplicate1 | Duplicate2 | RPD<br><i>Acceptance Criteria</i> |
|------------------------------|-------|---------------------------------------|--|------------|------------|-----------------------------------|
| <b>TC0061DW GTX4</b>         |       |                                       |  |            |            |                                   |
| <0.3 ug/L                    | <0.3  | 110<br><i>70.0 - 130.0 ug/L</i>       | 88 % Recovery<br><i>50.0 - 130.0 % Recovery</i>  | <0.3       | <0.3       | B<br><i>0.0 - 0.0 %</i>           |
| <b>TC0061DW GTX5</b>         |       |                                       |  |            |            |                                   |
| <0.5 ug/L                    | <0.5  | 80<br><i>70.0 - 130.0 ug/L</i>        | 120 % Recovery<br><i>50.0 - 130.0 % Recovery</i> | <0.5       | <0.5       | B<br><i>0.0 - 0.0 %</i>           |
| <b>TC0061DW GTX6</b>         |       |                                       |  |            |            |                                   |
| <0.3 ug/L                    | <0.3  | 110<br><i>70.0 - 130.0 ug/L</i>       | 110 % Recovery<br><i>50.0 - 130.0 % Recovery</i> | <0.3       | <0.3       | B<br><i>0.0 - 0.0 %</i>           |
| <b>TC0061DW Neosaxitoxin</b> |       |                                       |  |            |            |                                   |
| <0.3 ug/L                    | <0.3  | 110<br><i>70.0 - 130.0 ug/L</i>       | 62 % Recovery<br><i>50.0 - 130.0 % Recovery</i>  | <0.3       | <0.3       | B<br><i>0.0 - 0.0 %</i>           |
| <b>TC0061DW Saxitoxin</b>    |       |                                       |  |            |            |                                   |
| <0.4 ug/L                    | <0.4  | 110<br><i>70.0 - 130.0 ug/L</i>       | 56 % Recovery<br><i>50.0 - 130.0 % Recovery</i>  | <0.4       | <0.4       | B<br><i>0.0 - 0.0 %</i>           |

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## Extra Note:

F: Blank is not applicable for this analyte

E: Spike is not applicable for this analyte

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

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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