



Environmental Forensics Report of Analysis
Project 20230217

Report #: 1748
Date Issued: 28-Jul-2023
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Client Project Reference: Menindee Fish Kill - 39 (IMT 20 Jun

Customer: Department of Planning & Environment

Attention: [REDACTED]

Report Date: 28 July 2023

Project Received: 21 June 2023

EF Project Contact: [REDACTED]
[REDACTED]
[REDACTED]



The following samples were analysed:

| Sample ID | Client ID | Sample Type | Client Sampled Date/Time | Aliquot | Client Description |
|-----------|-----------|-------------|--------------------------|---------------|--------------------|
| 235408 | B1 | Liquid | 20/06/2023 9:50AM | | |
| 235416 | B1 | Liquid | 20/06/2023 9:50AM | Field Aliquot | |
| 235424 | B1 | Liquid | 20/06/2023 9:50AM | Field Aliquot | |
| 235432 | B1 | Liquid | 20/06/2023 9:50AM | Field Aliquot | |
| 235440 | B1 | Liquid | 20/06/2023 9:50AM | Field Aliquot | |
| 235448 | B1 | Liquid | 20/06/2023 9:50AM | Field Aliquot | |
| 235409 | B2 | Liquid | 20/06/2023 10:40AM | | |
| 235417 | B2 | Liquid | 20/06/2023 10:40AM | Field Aliquot | |
| 235425 | B2 | Liquid | 20/06/2023 10:40AM | Field Aliquot | |
| 235433 | B2 | Liquid | 20/06/2023 10:40AM | Field Aliquot | |
| 235441 | B2 | Liquid | 20/06/2023 10:40AM | Field Aliquot | |
| 235449 | B2 | Liquid | 20/06/2023 10:40AM | Field Aliquot | |
| 235410 | B3 | Liquid | 20/06/2023 2:10PM | | |
| 235418 | B3 | Liquid | 20/06/2023 2:10PM | Field Aliquot | |
| 235426 | B3 | Liquid | 20/06/2023 2:10PM | Field Aliquot | |
| 235434 | B3 | Liquid | 20/06/2023 2:10PM | Field Aliquot | |
| 235442 | B3 | Liquid | 20/06/2023 2:10PM | Field Aliquot | |
| 235450 | B3 | Liquid | 20/06/2023 2:10PM | Field Aliquot | |
| 235411 | E1 | Liquid | 20/06/2023 11:20AM | | |
| 235419 | E1 | Liquid | 20/06/2023 11:20AM | Field Aliquot | |
| 235427 | E1 | Liquid | 20/06/2023 11:20AM | Field Aliquot | |
| 235435 | E1 | Liquid | 20/06/2023 11:20AM | Field Aliquot | |
| 235443 | E1 | Liquid | 20/06/2023 11:20AM | Field Aliquot | |
| 235451 | E1 | Liquid | 20/06/2023 11:20AM | Field Aliquot | |
| 235412 | E2 | Liquid | 20/06/2023 12:05PM | | |
| 235420 | E2 | Liquid | 20/06/2023 12:05PM | Field Aliquot | |
| 235428 | E2 | Liquid | 20/06/2023 12:05PM | Field Aliquot | |
| 235436 | E2 | Liquid | 20/06/2023 12:05PM | Field Aliquot | |
| 235444 | E2 | Liquid | 20/06/2023 12:05PM | Field Aliquot | |

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



| | | | | | |
|--------|-------------|--------|------------|---------|---------------|
| 235452 | E2 | Liquid | 20/06/2023 | 12:05PM | Field Aliquot |
| 235413 | E3 | Liquid | 20/06/2023 | 12:55PM | |
| 235421 | E3 | Liquid | 20/06/2023 | 12:55PM | Field Aliquot |
| 235429 | E3 | Liquid | 20/06/2023 | 12:55PM | Field Aliquot |
| 235437 | E3 | Liquid | 20/06/2023 | 12:55PM | Field Aliquot |
| 235445 | E3 | Liquid | 20/06/2023 | 12:55PM | Field Aliquot |
| 235453 | E3 | Liquid | 20/06/2023 | 12:55PM | Field Aliquot |
| 235414 | E4 | Liquid | 20/06/2023 | 1:50PM | |
| 235422 | E4 | Liquid | 20/06/2023 | 1:50PM | Field Aliquot |
| 235430 | E4 | Liquid | 20/06/2023 | 1:50PM | Field Aliquot |
| 235438 | E4 | Liquid | 20/06/2023 | 1:50PM | Field Aliquot |
| 235446 | E4 | Liquid | 20/06/2023 | 1:50PM | Field Aliquot |
| 235454 | E4 | Liquid | 20/06/2023 | 1:50PM | Field Aliquot |
| 235415 | E5 | Liquid | 20/06/2023 | 2:40PM | |
| 235423 | E5 | Liquid | 20/06/2023 | 2:40PM | Field Aliquot |
| 235431 | E5 | Liquid | 20/06/2023 | 2:40PM | Field Aliquot |
| 235439 | E5 | Liquid | 20/06/2023 | 2:40PM | Field Aliquot |
| 235447 | E5 | Liquid | 20/06/2023 | 2:40PM | Field Aliquot |
| 235455 | E5 | Liquid | 20/06/2023 | 2:40PM | Field Aliquot |
| 235841 | MFK-Z-B1-F1 | Liquid | 20/06/2023 | | |
| 235842 | MFK-Z-B2-F1 | Liquid | 20/06/2023 | | |
| 235843 | MFK-Z-B3-F1 | Liquid | 20/06/2023 | | |
| 235844 | MFK-Z-E1-F1 | Liquid | 20/06/2023 | | |
| 235845 | MFK-Z-E2-F1 | Liquid | 20/06/2023 | | |
| 235846 | MFK-Z-E3-F1 | Liquid | 20/06/2023 | | |
| 235847 | MFK-Z-E4-F1 | Liquid | 20/06/2023 | | |
| 235848 | MFK-Z-E5-F1 | Liquid | 20/06/2023 | | |
| 235849 | MFK-Z-B1-F2 | Liquid | 20/06/2023 | | |
| 235850 | MFK-Z-B2-F2 | Liquid | 20/06/2023 | | |
| 235851 | MFK-Z-B3-F2 | Liquid | 20/06/2023 | | |
| 235852 | MFK-Z-E1-F2 | Liquid | 20/06/2023 | | |

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| | | | | |
|--------|---------------|--------|------------|---------|
| 235853 | MFK-Z-E2-F2 | Liquid | 20/06/2023 | |
| 235854 | MFK-Z-E3-F2 | Liquid | 20/06/2023 | |
| 235855 | MFK-Z-E4-F2 | Liquid | 20/06/2023 | |
| 235856 | MFK-Z-E5-F2 | Liquid | 20/06/2023 | |
| 235857 | MFK-Z-B1-UNF | Liquid | 20/06/2023 | Trip 12 |
| 235858 | MFK-Z-B2-UNF | Liquid | 20/06/2023 | Trip 12 |
| 235859 | MFK-Z-B3-UNF | Liquid | 20/06/2023 | Trip 12 |
| 235860 | MFK-Z-E1-UNF | Liquid | 20/06/2023 | Trip 12 |
| 235861 | MFK-Z-E2-UNF | Liquid | 20/06/2023 | Trip 12 |
| 235862 | MFK-Z-E3-UNF | Liquid | 20/06/2023 | Trip 12 |
| 235863 | MFK-Z-E4-UNF | Liquid | 20/06/2023 | Trip 12 |
| 235864 | MFK-Z-E5-UNF | Liquid | 20/06/2023 | Trip 12 |
| 236032 | MFK-BW-E1-UNF | Liquid | 20/06/2023 | Trip 12 |
| 236033 | MFK-BW-E3-UNF | Liquid | 20/06/2023 | Trip 12 |
| 236034 | MFK-BW-E4-UNF | Liquid | 20/06/2023 | Trip 12 |
| 236035 | MFK-BW-E5-UNF | Liquid | 20/06/2023 | Trip 12 |
| 236036 | MFK-BW-E1-F1 | Liquid | 20/06/2023 | Trip 12 |
| 236037 | MFK-BW-E2-F1 | Liquid | 20/06/2023 | Trip 12 |
| 236038 | MFK-BW-E3-F1 | Liquid | 20/06/2023 | Trip 12 |
| 236039 | MFK-BW-E4-F1 | Liquid | 20/06/2023 | Trip 12 |
| 236040 | MFK-BW-E5-F1 | Liquid | 20/06/2023 | Trip 12 |
| 236041 | MFK-BW-E1-F2 | Liquid | 20/06/2023 | Trip 12 |
| 236042 | MFK-BW-E2-F2 | Liquid | 20/06/2023 | Trip 12 |
| 236043 | MFK-BW-E3-F2 | Liquid | 20/06/2023 | Trip 12 |
| 236044 | MFK-BW-E4-F2 | Liquid | 20/06/2023 | Trip 12 |
| 236045 | MFK-BW-E5-F2 | Liquid | 20/06/2023 | Trip 12 |

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Report Notes

- This document has been authorised by the person whose name appears in this report.
- This report shall not be reproduced except in full. Samples analysed as received from the client.
- Results reported as 'less than' (<) indicates a result below the practical quantitation limit for the sample matrix and method used.

Project Comments

· Samples 235424 to 235431 were sent to ALS Environmental Laboratory (NATA Accreditation no: 825) for the analysis of EP202A: Phenoxyacetic Acid Herbicides by LCMS, EP204: Glyphosate and AMPA. This report summarises data from the attached external report: ES2320882, dated 28-Jun-2023.

· Samples 235448 to 235455 were sent to Sydney Water Laboratory Services (NATA Accreditation no: 63 and 610) for the analysis of Full Algal ID and Enumeration. Please see detailed results in the attached Phytoplankton Analysis Report no. 287426 dated 6 July 2023.
Samples 235432 to 235439 were sent to Sydney Water Laboratory Services (NATA Accreditation no: 63 and 610) for the analysis of Algal Toxins. Please see the attached Analytical Report no. 287426 dated 06 July 2023, which gives Algal Toxins analysis results and the Full Algal ID and Enumeration summary results.

· Samples 235841 to 235864 and 236032 to 236045 were sent to ALS Environmental Laboratory (NATA Accreditation no: 825) for the analysis of Nutrients: EK255A - Ammonia, EK259A - Nitrite and Nitrate (NO_x), EK271A - Reactive Phosphorus, EK262A - Total Nitrogen, EK267A - Total Phosphorus (Persulfate Digestion). This report summarises data from the attached external report: ES2321880, dated 07-Jul-2023.



| Analysis Results - External Methods* | | <i>Sample ID</i> | 235432 | 235448 | 235433 | 235449 | 235434 | 235450 | 235435 | 235451 | 235436 | 235452 | 235437 | 235453 |
|---|---|-------------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| Area - EXTERNAL | | <i>Start Date</i> | 22/06/2023 | 5/07/2023 | 22/06/2023 | 5/07/2023 | 22/06/2023 | 5/07/2023 | 22/06/2023 | 5/07/2023 | 22/06/2023 | 5/07/2023 | 22/06/2023 | 5/07/2023 |
| | | <i>Client ID</i> | B1 | B1 | B2 | B2 | B3 | B3 | E1 | E1 | E2 | E2 | E3 | E3 |
| <i>Analyte</i> | | | | | | | | | | | | | | |
| Algal Enumeration | - | | | RC | | RC | | RC | | RC | | RC | | RC |
| Algal Identification | - | | | RC | | RC | | RC | | RC | | RC | | RC |
| Algal Toxins | - | | RC | | RC | | RC | | RC | | RC | | RC | |

| Analysis Results - External Methods* | | <i>Sample ID</i> | 235438 | 235454 | 235439 | 235455 |
|---|---|-------------------|------------|-----------|------------|-----------|
| Area - EXTERNAL | | <i>Start Date</i> | 22/06/2023 | 5/07/2023 | 22/06/2023 | 5/07/2023 |
| | | <i>Client ID</i> | E4 | E4 | E5 | E5 |
| <i>Analyte</i> | | | | | | |
| Algal Enumeration | - | | | RC | | RC |
| Algal Identification | - | | | RC | | RC |
| Algal Toxins | - | | RC | | RC | |

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Analysis Results - External Methods*

Area - EXTERNAL

| Analyte | Sample ID Start Date Client ID | 235424 | 235425 | 235426 | 235427 | 235428 | 235429 | 235430 | 235431 |
|-----------------------------|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | 26/06/2023 B1 | 26/06/2023 B2 | 26/06/2023 B3 | 26/06/2023 E1 | 26/06/2023 E2 | 26/06/2023 E3 | 26/06/2023 E4 | 26/06/2023 E5 |
| 2.4.5-T | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2.4.6-T | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2.4-D | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2.4-DB | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2.4-DP | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2.6-D | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 4-Chlorophenoxy acetic acid | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| AMPA | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Clopyralid | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Dicamba | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Fluroxypyr | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Glyphosate | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| MCPA | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| MCPB | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Mecoprop | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Pricloram | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Silvex (2.4.5-TP/Fenoprop) | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Triclopyr | µg/L | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |

Analysis Results - External Methods*

Area - EXTERNAL

| Analyte | Sample ID Start Date Client ID | 235841 | 235842 | 235843 | 235844 | 235845 | 235846 | 235847 | 235848 | 235849 | 235850 | 235851 | 235852 |
|---------------------------------|--------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| | | 3/07/2023 MFK-Z-B1-F 1 | 3/07/2023 MFK-Z-B2-F 1 | 3/07/2023 MFK-Z-B3-F 1 | 3/07/2023 MFK-Z-E1-F 1 | 3/07/2023 MFK-Z-E2-F 1 | 3/07/2023 MFK-Z-E3-F 1 | 3/07/2023 MFK-Z-E4-F 1 | 3/07/2023 MFK-Z-E5-F 1 | 3/07/2023 MFK-Z-B1-F 2 | 3/07/2023 MFK-Z-B2-F 2 | 3/07/2023 MFK-Z-B3-F 2 | 3/07/2023 MFK-Z-E1-F 2 |
| Ammonia as N | mg/L | 0.005 | 0.103 | 0.008 | 0.006 | 0.033 | 0.056 | 0.131 | 0.041 | | | | |
| Dissolved Total Nitrogen as N | mg/L | | | | | | | | | 0.68 | 0.88 | 0.65 | 0.76 |
| Dissolved Total Phosphorus as P | mg/L | | | | | | | | | 0.013 | 0.031 | 0.268 | 0.036 |
| Nitrite+Nitrate as N | mg/L | 0.014 | 0.012 | 0.012 | 0.008 | 0.026 | 0.055 | 0.102 | 0.084 | | | | |
| Reactive Phosphorus as P | mg/L | 0.005 | 0.014 | 0.258 | 0.021 | 0.061 | 0.056 | 0.089 | 0.152 | | | | |

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Analysis Results - External Methods*

Area - EXTERNAL

| | | Sample ID | 235853 | 235854 | 235855 | 235856 | 235857 | 235858 | 235859 | 235860 | 235861 | 235862 | 235863 | 235864 |
|---------------------------------|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Start Date | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 |
| | | Client ID | MFK-Z-E2-F | MFK-Z-E3-F | MFK-Z-E4-F | MFK-Z-E5-F | MFK-Z-B1-U | MFK-Z-B2-U | MFK-Z-B3-U | MFK-Z-E1-U | MFK-Z-E2-U | MFK-Z-E3-U | MFK-Z-E4-U | MFK-Z-E5-U |
| Analyte | | | 2 | 2 | 2 | 2 | NF | NF | NF | NF | NF | NF | NF | NF |
| Dissolved Total Nitrogen as N | mg/L | | 0.81 | 0.87 | 0.99 | 0.83 | | | | | | | | |
| Dissolved Total Phosphorus as P | mg/L | | 0.075 | 0.081 | 0.071 | 0.170 | | | | | | | | |
| Total Nitrogen as N | mg/L | | | | | | 0.77 | 0.90 | 0.70 | 0.82 | 0.77 | 0.89 | 1.26 | 0.88 |
| Total Phosphorus as P | mg/L | | | | | | 0.038 | 0.043 | 0.270 | 0.054 | 0.096 | 0.089 | 0.140 | 0.186 |

Analysis Results - External Methods*

Area - EXTERNAL

| | | Sample ID | 236032 | 236033 | 236034 | 236035 | 236036 | 236037 | 236038 | 236039 | 236040 | 236041 | 236042 | 236043 |
|---------------------------------|------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | Start Date | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 |
| | | Client ID | MFK-BW-E1 | MFK-BW-E3 | MFK-BW-E4 | MFK-BW-E5 | MFK-BW-E1 | MFK-BW-E2 | MFK-BW-E3 | MFK-BW-E4 | MFK-BW-E5 | MFK-BW-E1 | MFK-BW-E2 | MFK-BW-E3 |
| Analyte | | | -UNF | -UNF | -UNF | -UNF | -F1 | -F1 | -F1 | -F1 | -F1 | -F2 | -F2 | -F2 |
| Ammonia as N | mg/L | | | | | | 0.005 | 0.043 | 0.075 | 0.143 | 0.040 | | | |
| Dissolved Total Nitrogen as N | mg/L | | | | | | | | | | | 0.68 | 2.09 | 0.87 |
| Dissolved Total Phosphorus as P | mg/L | | | | | | | | | | | 0.030 | 0.077 | 0.062 |
| Nitrite+Nitrate as N | mg/L | | | | | | 0.011 | 0.013 | 0.057 | 0.101 | 0.077 | | | |
| Reactive Phosphorus as P | mg/L | | | | | | 0.020 | 0.070 | 0.065 | 0.079 | 0.142 | | | |
| Total Nitrogen as N | mg/L | | 0.83 | 0.88 | 1.10 | 0.86 | | | | | | | | |
| Total Phosphorus as P | mg/L | | 0.045 | 0.087 | 0.122 | 0.181 | | | | | | | | |

Analysis Results - External Methods*

Area - EXTERNAL

| | | Sample ID | 236044 | 236045 |
|---------------------------------|------|------------|-----------|-----------|
| | | Start Date | 3/07/2023 | 3/07/2023 |
| | | Client ID | MFK-BW-E4 | MFK-BW-E5 |
| Analyte | | | -F2 | -F2 |
| Dissolved Total Nitrogen as N | mg/L | | 0.97 | 0.83 |
| Dissolved Total Phosphorus as P | mg/L | | 0.105 | 0.173 |

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Analysis Results - ICVAASW

Area - INORGANIC

Analyte

| | | 235440 | 235441 | 235442 | 235443 | 235444 | 235445 | 235446 | 235447 |
|---------|------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | 18/07/2023 | 18/07/2023 | 18/07/2023 | 18/07/2023 | 18/07/2023 | 18/07/2023 | 18/07/2023 | 18/07/2023 |
| | | B1 | B2 | B3 | E1 | E2 | E3 | E4 | E5 |
| Mercury | µg/L | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |

Analysis Results - ICPAES

Area - INORGANIC

Analyte

| | | 235440 | 235441 | 235442 | 235443 | 235444 | 235445 | 235446 | 235447 |
|---------------------------|------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | 21/06/2023 | 21/06/2023 | 21/06/2023 | 21/06/2023 | 21/06/2023 | 21/06/2023 | 21/06/2023 | 21/06/2023 |
| | | B1 | B2 | B3 | E1 | E2 | E3 | E4 | E5 |
| Aluminium (Lab. filtered) | mg/L | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 |
| Barium (Lab. filtered) | mg/L | 0.14 | 0.14 | 0.08 | 0.14 | 0.11 | 0.11 | 0.10 | 0.10 |
| Boron (Lab. filtered) | mg/L | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Calcium (Lab. filtered) | mg/L | 46 | 44 | 28 | 43 | 35 | 36 | 33 | 31 |
| Iron (Lab. filtered) | mg/L | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Magnesium (Lab. filtered) | mg/L | 23 | 22 | 12 | 21 | 16 | 17 | 15 | 14 |
| Potassium (Lab. filtered) | mg/L | 11 | 11 | 10 | 11 | 12 | 13 | 12 | 12 |
| Sodium (Lab. filtered) | mg/L | 72 | 70 | 37 | 68 | 50 | 51 | 45 | 42 |
| Strontium (Lab. filtered) | mg/L | 0.50 | 0.48 | 0.29 | 0.47 | 0.39 | 0.40 | 0.36 | 0.34 |
| Sulfur (Lab. filtered) | mg/L | 6.3 | 6.3 | 3.6 | 6.0 | 3.9 | 3.8 | 3.2 | 3.6 |
| Titanium (Lab. filtered) | mg/L | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

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Analysis Results - ICPMS

Area - INORGANIC

| Sample ID | 235440 | 235441 | 235442 | 235443 | 235444 | 235445 | 235446 | 235447 |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Start Date | 21/06/2023 | 21/06/2023 | 21/06/2023 | 21/06/2023 | 21/06/2023 | 21/06/2023 | 21/06/2023 | 21/06/2023 |
| Client ID | B1 | B2 | B3 | E1 | E2 | E3 | E4 | E5 |

| Analyte | | 235440 | 235441 | 235442 | 235443 | 235444 | 235445 | 235446 | 235447 |
|----------------------------|------|---------|---------|---------|---------|---------|---------|---------|---------|
| Antimony (Lab. filtered) | mg/L | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |
| Arsenic (Lab. filtered) | mg/L | 0.001 | 0.001 | 0.006 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 |
| Beryllium (Lab. filtered) | mg/L | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| Cadmium (Lab. filtered) | mg/L | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| Chromium (Lab. filtered) | mg/L | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Cobalt (Lab. filtered) | mg/L | 0.0002 | 0.0002 | <0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| Copper (Lab. filtered) | mg/L | 0.0010 | 0.0011 | 0.0029 | 0.0012 | 0.0019 | 0.0018 | 0.0020 | 0.0024 |
| Lead (Lab. filtered) | mg/L | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| Lithium (Lab. filtered) | mg/L | 0.0016 | 0.0017 | 0.0014 | 0.0017 | 0.0016 | 0.0016 | 0.0016 | 0.0015 |
| Manganese (Lab. filtered) | mg/L | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum (Lab. filtered) | mg/L | 0.0016 | 0.0015 | 0.0012 | 0.0016 | 0.0017 | 0.0017 | 0.0016 | 0.0014 |
| Nickel (Lab. filtered) | mg/L | 0.0024 | 0.0025 | 0.0023 | 0.0026 | 0.0032 | 0.0032 | 0.0033 | 0.0030 |
| Selenium (Lab. filtered) | mg/L | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Silver (Lab. filtered) | mg/L | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| Thallium (Lab. filtered) | mg/L | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| Tin (Lab. filtered) | mg/L | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| Vanadium (Lab. filtered) | mg/L | 0.0036 | 0.0038 | 0.018 | 0.0048 | 0.0082 | 0.0087 | 0.0093 | 0.013 |
| Zinc (Lab. filtered) | mg/L | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - ICPAES

Area - INORGANIC

| | <i>Sample ID</i> | 235440 | 235441 | 235442 | 235443 | 235444 | 235445 | 235446 | 235447 |
|------------------------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | <i>Start Date</i> | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 |
| | <i>Client ID</i> | B1 | B2 | B3 | E1 | E2 | E3 | E4 | E5 |
| <i>Analyte</i> | | | | | | | | | |
| Aluminium (acid extractable) | mg/L | 0.85 | 1.1 | 6.1 | 1.4 | 2.2 | 2.9 | 3.7 | 3.1 |
| Barium (acid extractable) | mg/L | 0.16 | 0.16 | 0.11 | 0.16 | 0.13 | 0.13 | 0.12 | 0.12 |
| Boron (acid extractable) | mg/L | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Calcium (acid extractable) | mg/L | 49 | 50 | 32 | 47 | 39 | 41 | 35 | 35 |
| Iron (acid extractable) | mg/L | 0.7 | 0.9 | 4.5 | 1.1 | 1.7 | 2.2 | 2.9 | 2.3 |
| Magnesium (acid extractable) | mg/L | 25 | 25 | 14 | 24 | 18 | 18 | 16 | 16 |
| Manganese (acid extractable) | mg/L | 0.11 | 0.12 | 0.05 | 0.13 | 0.10 | 0.10 | 0.09 | 0.07 |
| Potassium (acid extractable) | mg/L | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 |
| Sodium (acid extractable) | mg/L | 78 | 77 | 41 | 75 | 55 | 53 | 46 | 46 |
| Strontium (acid extractable) | mg/L | 0.53 | 0.53 | 0.34 | 0.52 | 0.43 | 0.42 | 0.38 | 0.38 |
| Sulfur (acid extractable) | mg/L | 6.4 | 6.3 | 3.6 | 6.1 | 4.0 | 3.9 | 3.2 | 3.6 |
| Titanium (acid extractable) | mg/L | <0.01 | <0.01 | 0.05 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 |

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - ICPMS

Area - INORGANIC

| | | Sample ID | 235440 | 235441 | 235442 | 235443 | 235444 | 235445 | 235446 | 235447 |
|-------------------------------|------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | Start Date | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 | 3/07/2023 |
| | | Client ID | B1 | B2 | B3 | E1 | E2 | E3 | E4 | E5 |
| Analyte | | | | | | | | | | |
| Antimony (acid extractable) | mg/L | | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |
| Arsenic (acid extractable) | mg/L | | 0.002 | 0.002 | 0.006 | 0.002 | 0.003 | 0.003 | 0.004 | 0.004 |
| Beryllium (acid extractable) | mg/L | | <0.0001 | <0.0001 | 0.0002 | <0.0001 | <0.0001 | <0.0001 | 0.0001 | 0.0001 |
| Cadmium (acid extractable) | mg/L | | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| Chromium (acid extractable) | mg/L | | <0.001 | 0.001 | 0.005 | 0.001 | 0.002 | 0.003 | 0.004 | 0.003 |
| Cobalt (acid extractable) | mg/L | | 0.0009 | 0.0011 | 0.0015 | 0.0012 | 0.0012 | 0.0014 | 0.0016 | 0.0012 |
| Copper (acid extractable) | mg/L | | 0.0017 | 0.0021 | 0.0054 | 0.0021 | 0.0032 | 0.0035 | 0.0039 | 0.0047 |
| Lead (acid extractable) | mg/L | | 0.0005 | 0.0006 | 0.0012 | 0.0006 | 0.0008 | 0.0009 | 0.0011 | 0.0010 |
| Lithium (acid extractable) | mg/L | | 0.0022 | 0.0022 | 0.0031 | 0.0022 | 0.0023 | 0.0024 | 0.0027 | 0.0024 |
| Molybdenum (acid extractable) | mg/L | | 0.0016 | 0.0015 | 0.0012 | 0.0016 | 0.0017 | 0.0017 | 0.0016 | 0.0014 |
| Nickel (acid extractable) | mg/L | | 0.0034 | 0.0036 | 0.0058 | 0.0036 | 0.0047 | 0.0050 | 0.0059 | 0.0049 |
| Selenium (acid extractable) | mg/L | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Silver (acid extractable) | mg/L | | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| Thallium (acid extractable) | mg/L | | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| Tin (acid extractable) | mg/L | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| Vanadium (acid extractable) | mg/L | | 0.0062 | 0.0066 | 0.025 | 0.0078 | 0.012 | 0.014 | 0.015 | 0.018 |
| Zinc (acid extractable) | mg/L | | 0.003 | 0.003 | 0.018 | 0.003 | 0.004 | 0.005 | 0.006 | 0.006 |

Analysis Results - IGRSS

Area - INORGANIC

| | | Sample ID | 235416 | 235417 | 235418 | 235419 | 235420 | 235421 | 235422 | 235423 |
|---------------------------|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Start Date | 23/06/2023 | 23/06/2023 | 23/06/2023 | 23/06/2023 | 23/06/2023 | 23/06/2023 | 23/06/2023 | 23/06/2023 |
| | | Client ID | B1 | B2 | B3 | E1 | E2 | E3 | E4 | E5 |
| Analyte | | | | | | | | | | |
| Fixed Suspended Solids | mg/L | | 14 | 24 | 31 | 22 | 26 | 39 | 64 | 21 |
| Total Suspended Solids | mg/L | | 22 | 33 | 37 | 31 | 35 | 47 | 73 | 27 |
| Volatile Suspended Solids | mg/L | | 8 | 9 | 6 | 9 | 9 | 8 | 8 | <6 |

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - QQPEST
Area - ORGANIC

| Analyte | Sample ID Start Date Client ID | 235408 | 235409 | 235410 | 235411 | 235412 | 235413 | 235414 | 235415 |
|--------------------|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | 23/06/2023 B1 | 23/06/2023 B2 | 23/06/2023 B3 | 23/06/2023 E1 | 23/06/2023 E2 | 23/06/2023 E3 | 23/06/2023 E4 | 23/06/2023 E5 |
| Aldrin | µg/L | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 |
| Allethrin | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Alpha-Chlordane | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| alpha-HCH | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Ametryn | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Atraton | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Atrazine | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| beta-HCH | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bifenthrin | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bioresmethrin | µg/L | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 |
| Carbophenothion | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chlorpyrifos | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Cis-permethrin | µg/L | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 |
| Crotoxyphos | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Cyfluthrin | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Cypermethrin | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| delta-HCH | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Deltamethrin | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Diazinon | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Dichlorvos | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Dieldrin | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Dimethoate | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Endosulfan II | µg/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Endosulfan I | µg/L | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 |
| Endosulfan Sulfate | µg/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Endrin Aldehyde | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Endrin Ketone | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Endrin | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethion | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fenamiphos | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fenitrothion | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fenthion | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - QQPEST
Area - ORGANIC

| Analyte | Sample ID Start Date Client ID | 235408 | 235409 | 235410 | 235411 | 235412 | 235413 | 235414 | 235415 |
|---------------------|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | 23/06/2023 B1 | 23/06/2023 B2 | 23/06/2023 B3 | 23/06/2023 E1 | 23/06/2023 E2 | 23/06/2023 E3 | 23/06/2023 E4 | 23/06/2023 E5 |
| Fenvalerate | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Gamma-Chlordane | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| gamma-HCH | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Heptachlor Epoxide | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Heptachlor | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Hexachlorobenzene | µg/L | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 |
| Hexazinone | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| L-cyhalothrin | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Malathion | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Methidathion | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Methyl Azinphos | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Methyl Chlorpyrifos | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Methyl Parathion | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Mevinphos | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Oxyfluorfen | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Parathion | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Phorate | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Profenofos | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Prometon | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Prometryn | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Propargite | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Propazine | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Propetamphos | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Simazine | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Simetryn | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Sulprofos | µg/L | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Tebuconazole | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Tebuthiuron | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Terbutylazine | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Terbutryn | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Tetrachlorvinphos | µg/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Trans-permethrin | µg/L | <0.7 | <0.7 | <0.7 | <0.7 | <0.7 | <0.7 | <0.7 | <0.7 |

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment

Area - ORGANIC

| Sample ID | Client ID | Method | Start Date | Result |
|-----------|-----------|-----------------------|------------|--|
| 235408 | B1 | OLCSCAN* - LC/MS Scan | 26/06/2023 | LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat). |
| 235409 | B2 | OLCSCAN* - LC/MS Scan | 26/06/2023 | LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat). |
| 235410 | B3 | OLCSCAN* - LC/MS Scan | 26/06/2023 | LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat). |
| 235411 | E1 | OLCSCAN* - LC/MS Scan | 26/06/2023 | LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat). |
| 235412 | E2 | OLCSCAN* - LC/MS Scan | 26/06/2023 | LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat). |
| 235413 | E3 | OLCSCAN* - LC/MS Scan | 26/06/2023 | LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat). |
| 235414 | E4 | OLCSCAN* - LC/MS Scan | 26/06/2023 | LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat). |
| 235415 | E5 | OLCSCAN* - LC/MS Scan | 26/06/2023 | LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat). |

The sample(s) referred to in this report were analysed by the following method(s):

| Method code | Method description | Area |
|-------------------|---|-----------|
| External Methods* | External Methods - Analysis completed externally | EXTERNAL |
| External Methods* | External Methods - Analysis completed externally | EXTERNAL |
| External Methods* | External Methods - Analysis completed externally | EXTERNAL |
| ICVAASW | Mercury by Cold Vapour Atomic Absorption Spectroscopy | INORGANIC |
| ICPAES | Dissolved element analysis by Inductively Coupled Plasma-Atomic Emission Spectrometry (ICPAES) | INORGANIC |
| ICPMS | Dissolved Metals by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) | INORGANIC |
| ICPAES | Acid extractable element analysis by Inductively Coupled Plasma-Atomic Emission Spectrometry (ICPAES) | INORGANIC |
| ICPMS | Acid extractable Metals by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) | INORGANIC |
| IGRTSS | Total Suspended Solids (TSS) (includes Volatile and Fixed Suspended Solids) | INORGANIC |
| QQQPEST | Determination of Multiresidue Pesticides by GCMSMS | ORGANIC |
| OLCSCAN* | Qualitative LC/MS scan | ORGANIC |

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



The results in this report were authorised by:

| Name | Title | Area |
|------------|------------------|-----------|
| [REDACTED] | Senior Scientist | EXTERNAL |
| [REDACTED] | Scientist | INORGANIC |
| [REDACTED] | Scientist | ORGANIC |