

## Certificate of Analysis

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|                 |                                      |                          |                       |        |
|-----------------|--------------------------------------|--------------------------|-----------------------|--------|
| <b>Client:</b>  | Fulton Hogan Nelson - Laboratory     | <b>Lab No:</b>           | 4240937               | DWUPv1 |
| <b>Contact:</b> | Andrew Maxwell                       | <b>Date Received:</b>    | 12-Jun-2026           |        |
|                 | C/- Fulton Hogan Nelson - Laboratory | <b>Date Reported:</b>    | 24-Jun-2026           |        |
|                 | Private Bag 1                        | <b>Quote No:</b>         | 55261                 |        |
|                 | Nelson 7040                          | <b>Order No:</b>         |                       |        |
|                 |                                      | <b>Client Reference:</b> | Annual Chemical Tests |        |
|                 |                                      | <b>Submitted By:</b>     | Andrew Maxwell        |        |

### Sample Type: Aqueous

| Sample Name:                                                |               | NWTP Clearwater<br>11-Jun-2026 7:45 am | Maitai South Branch<br>11-Jun-2026 9:45 am | Aesthetic<br>Values | Maximum<br>Acceptable<br>Values (MAV) |
|-------------------------------------------------------------|---------------|----------------------------------------|--------------------------------------------|---------------------|---------------------------------------|
| Lab Number:                                                 |               | 4240937.1                              | 4240937.2                                  |                     |                                       |
| Individual Tests                                            |               |                                        |                                            |                     |                                       |
| True Hazen Colour                                           | Hazen units   | < 10 ± 6.7                             | < 10 ± 6.7                                 | ≤ 15                | -                                     |
| Total Alkalinity                                            | g/m³ as CaCO₃ | 68.8 ± 2.9                             | 68.7 ± 2.9                                 | -                   | -                                     |
| Total Hardness                                              | g/m³ as CaCO₃ | 67.4 ± 3.1                             | 67.0 ± 3.2                                 | ≤ 200               | -                                     |
| Dissolved Calcium                                           | g/m³          | 15.69 ± 0.99                           | 11.34 ± 0.71                               | -                   | -                                     |
| Dissolved Magnesium                                         | g/m³          | 6.85 ± 0.46                            | 9.39 ± 0.63 #1                             | -                   | -                                     |
| Total Cyanide                                               | g/m³          | < 0.002 ± 0.0017                       | < 0.002 ± 0.0017                           | -                   | 0.6                                   |
| Chloride                                                    | g/m³          | 5.33 ± 0.42                            | 3.17 ± 0.37                                | ≤ 250               | -                                     |
| Fluoride                                                    | g/m³          | 0.82 ± 0.11                            | < 0.05 ± 0.041                             | -                   | 1.5                                   |
| Total Ammoniacal-N                                          | g/m³          | -                                      | < 0.010 ± 0.0067                           | ≤ 1.2               | -                                     |
| Nitrite-N                                                   | g/m³          | < 0.002 ± 0.0014                       | < 0.002 ± 0.0014                           | -                   | 0.91                                  |
| Nitrate-N                                                   | g/m³          | 0.0701 ± 0.0087                        | 0.0649 ± 0.0081                            | -                   | 11.3                                  |
| Nitrate-N + Nitrite-N                                       | g/m³          | 0.0701 ± 0.0086                        | 0.0651 ± 0.0080                            | -                   | -                                     |
| Dissolved Reactive Phosphorus                               | g/m³          | -                                      | 0.0041 ± 0.0027                            | -                   | -                                     |
| Sulphate                                                    | g/m³          | 1.96 ± 0.36                            | 1.70 ± 0.36                                | ≤ 250               | -                                     |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |               |                                        |                                            |                     |                                       |
| Acetochlor                                                  | g/m³          | -                                      | < 0.00004 ± 0.00042                        | -                   | -                                     |
| Alachlor                                                    | g/m³          | -                                      | < 0.00004 ± 0.00018                        | -                   | 0.02                                  |
| Atrazine                                                    | g/m³          | -                                      | < 0.00004 ± 0.000024                       | -                   | 0.002                                 |
| Atrazine-desethyl                                           | g/m³          | -                                      | < 0.00004 ± 0.00041                        | -                   | -                                     |
| Atrazine-desisopropyl                                       | g/m³          | -                                      | < 0.00008 ± 0.00018                        | -                   | -                                     |
| Azaconazole                                                 | g/m³          | -                                      | < 0.00002 ± 0.0000071                      | -                   | -                                     |
| Azinphos-methyl                                             | g/m³          | -                                      | < 0.00008 ± 0.000036                       | -                   | 0.004                                 |
| Benalaxyl                                                   | g/m³          | -                                      | < 0.00002 ± 0.0000094                      | -                   | -                                     |
| Bitertanol                                                  | g/m³          | -                                      | < 0.00008 ± 0.000048                       | -                   | -                                     |
| Bromacil                                                    | g/m³          | -                                      | < 0.00004 ± 0.000025                       | -                   | 0.4                                   |
| Bromopropylate                                              | g/m³          | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Butachlor                                                   | g/m³          | -                                      | < 0.00004 ± 0.000021                       | -                   | -                                     |
| Captan                                                      | g/m³          | -                                      | < 0.00008 ± 0.000060                       | -                   | -                                     |
| Carbaryl                                                    | g/m³          | -                                      | < 0.00004 ± 0.000021                       | -                   | -                                     |
| Carbofenothion                                              | g/m³          | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Carbofuran                                                  | g/m³          | -                                      | < 0.00004 ± 0.000022                       | -                   | 0.008                                 |
| Chlorfluazuron                                              | g/m³          | -                                      | < 0.00004 ± 0.000032                       | -                   | -                                     |
| Chlorothalonil                                              | g/m³          | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Chlorpyrifos                                                | g/m³          | -                                      | < 0.00004 ± 0.000022                       | -                   | 0.04                                  |
| Chlorpyrifos-methyl                                         | g/m³          | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Chlortoluron                                                | g/m³          | -                                      | < 0.00008 ± 0.000062                       | -                   | 0.04                                  |
| Cyanazine                                                   | g/m³          | -                                      | < 0.00004 ± 0.000021                       | -                   | 0.0007                                |
| Cyfluthrin                                                  | g/m³          | -                                      | < 0.00004 ± 0.000027                       | -                   | -                                     |



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| Sample Type: Aqueous                                        |                  |                                        |                                            |                     |                                       |
|-------------------------------------------------------------|------------------|----------------------------------------|--------------------------------------------|---------------------|---------------------------------------|
| Sample Name:                                                |                  | NWTP Clearwater<br>11-Jun-2026 7:45 am | Maitai South Branch<br>11-Jun-2026 9:45 am | Aesthetic<br>Values | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                                 |                  | 4240937.1                              | 4240937.2                                  |                     |                                       |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |                  |                                        |                                            |                     |                                       |
| Cyhalothrin                                                 | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Cypermethrin                                                | g/m <sup>3</sup> | -                                      | < 0.00008 ± 0.000043                       | -                   | -                                     |
| Deltamethrin (including Tralomethrin)                       | g/m <sup>3</sup> | -                                      | < 0.00006 ± 0.000027                       | -                   | -                                     |
| Diazinon                                                    | g/m <sup>3</sup> | -                                      | < 0.00002 ± 0.0000083                      | -                   | -                                     |
| Dichlofluanid                                               | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.00018                        | -                   | -                                     |
| Dichloran                                                   | g/m <sup>3</sup> | -                                      | < 0.0002 ± 0.000089                        | -                   | -                                     |
| Dichlorvos                                                  | g/m <sup>3</sup> | -                                      | < 0.00008 ± 0.00018                        | -                   | -                                     |
| Difenoconazole                                              | g/m <sup>3</sup> | -                                      | < 0.00008 ± 0.000043                       | -                   | -                                     |
| Dimethoate                                                  | g/m <sup>3</sup> | -                                      | < 0.00008 ± 0.000057                       | -                   | 0.008                                 |
| Diphenylamine                                               | g/m <sup>3</sup> | -                                      | < 0.00008 ± 0.00018                        | -                   | -                                     |
| Diuron                                                      | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000023                       | -                   | 0.02                                  |
| Fenpropimorph                                               | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Fluazifop-butyl                                             | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Fluometuron                                                 | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000026                       | -                   | -                                     |
| Flusilazole                                                 | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000028                       | -                   | -                                     |
| Fluvalinate                                                 | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000011                       | -                   | -                                     |
| Furalaxyl                                                   | g/m <sup>3</sup> | -                                      | < 0.00002 ± 0.0000079                      | -                   | -                                     |
| Haloxifop-methyl                                            | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000027                       | -                   | -                                     |
| Hexaconazole                                                | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000060                       | -                   | -                                     |
| Hexazinone                                                  | g/m <sup>3</sup> | -                                      | < 0.00002 ± 0.000017                       | -                   | 0.4                                   |
| IPBC (3-Iodo-2-propynyl-n-butylcarbamate)                   | g/m <sup>3</sup> | -                                      | < 0.0002 ± 0.00011                         | -                   | -                                     |
| Kresoxim-methyl                                             | g/m <sup>3</sup> | -                                      | < 0.00002 ± 0.000019                       | -                   | -                                     |
| Linuron                                                     | g/m <sup>3</sup> | -                                      | < 0.00005 ± 0.000021                       | -                   | -                                     |
| Malathion                                                   | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Metalaxyl                                                   | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000023                       | -                   | 0.3                                   |
| Metolachlor                                                 | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000021                       | -                   | 0.01                                  |
| Metribuzin                                                  | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000027                       | -                   | 0.07                                  |
| Molinate                                                    | g/m <sup>3</sup> | -                                      | < 0.00008 ± 0.000030                       | -                   | 0.007                                 |
| Myclobutanil                                                | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000033                       | -                   | -                                     |
| Naled                                                       | g/m <sup>3</sup> | -                                      | < 0.0002 ± 0.000056                        | -                   | -                                     |
| Norflurazon                                                 | g/m <sup>3</sup> | -                                      | < 0.00008 ± 0.000028                       | -                   | -                                     |
| Oxadiazon                                                   | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000022                       | -                   | 0.2                                   |
| Oxyfluorfen                                                 | g/m <sup>3</sup> | -                                      | < 0.00002 ± 0.000019                       | -                   | -                                     |
| Paclobutrazol                                               | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000023                       | -                   | -                                     |
| Parathion-ethyl                                             | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Parathion-methyl                                            | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Pendimethalin                                               | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000051                       | -                   | 0.02                                  |
| Permethrin                                                  | g/m <sup>3</sup> | -                                      | < 0.00002 ± 0.000020                       | -                   | -                                     |
| Pirimicarb                                                  | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000015                       | -                   | -                                     |
| Pirimiphos-methyl                                           | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000024                       | -                   | 0.1                                   |
| Prochloraz                                                  | g/m <sup>3</sup> | -                                      | < 0.0002 ± 0.000059                        | -                   | -                                     |
| Procymidone                                                 | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000021                       | -                   | 0.7                                   |
| Prometryn                                                   | g/m <sup>3</sup> | -                                      | < 0.00002 ± 0.000020                       | -                   | -                                     |
| Propachlor                                                  | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000024                       | -                   | -                                     |
| Propanil                                                    | g/m <sup>3</sup> | -                                      | < 0.0002 ± 0.000056                        | -                   | -                                     |
| Propazine                                                   | g/m <sup>3</sup> | -                                      | < 0.00002 ± 0.000020                       | -                   | 0.07                                  |
| Propiconazole                                               | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000033                       | -                   | -                                     |
| Pyriproxyfen                                                | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000033                       | -                   | 0.4                                   |
| Quizalofop-ethyl                                            | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Simazine                                                    | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000013                       | -                   | 0.002                                 |
| Simetryn                                                    | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000022                       | -                   | -                                     |
| Sulfentrazone                                               | g/m <sup>3</sup> | -                                      | < 0.0002 ± 0.000056                        | -                   | -                                     |
| TCMTB [2-(thiocyanomethylthio)benzothiazole, Busan]         | g/m <sup>3</sup> | -                                      | < 0.00008 ± 0.000032                       | -                   | -                                     |
| Tebuconazole                                                | g/m <sup>3</sup> | -                                      | < 0.00004 ± 0.000059                       | -                   | -                                     |

| Sample Type: Aqueous                                        |                  |                                                     |                                                         |                                     |                                       |
|-------------------------------------------------------------|------------------|-----------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------|
| Sample Name:                                                |                  | NWTP Clearwater<br>11-Jun-2026 7:45 am<br>4240937.1 | Maitai South Branch<br>11-Jun-2026 9:45 am<br>4240937.2 | Aesthetic<br>Values                 | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                                 |                  |                                                     |                                                         |                                     |                                       |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |                  |                                                     |                                                         |                                     |                                       |
| Terbacil                                                    | g/m <sup>3</sup> | -                                                   | < 0.00004 ± 0.000032                                    | -                                   | 0.04                                  |
| Terbumeton                                                  | g/m <sup>3</sup> | -                                                   | < 0.00004 ± 0.000021                                    | -                                   | -                                     |
| Terbuthylazine                                              | g/m <sup>3</sup> | -                                                   | < 0.00002 ± 0.0000079                                   | -                                   | 0.008                                 |
| Terbuthylazine-desethyl                                     | g/m <sup>3</sup> | -                                                   | < 0.00004 ± 0.000038                                    | -                                   | -                                     |
| Terbutryn                                                   | g/m <sup>3</sup> | -                                                   | < 0.00004 ± 0.000023                                    | -                                   | -                                     |
| Thiabendazole                                               | g/m <sup>3</sup> | -                                                   | < 0.0002 ± 0.000063                                     | -                                   | 0.4                                   |
| Thiobencarb                                                 | g/m <sup>3</sup> | -                                                   | < 0.00004 ± 0.000022                                    | -                                   | -                                     |
| Tolyfluanid                                                 | g/m <sup>3</sup> | -                                                   | < 0.00002 ± 0.000019                                    | -                                   | -                                     |
| Triazophos                                                  | g/m <sup>3</sup> | -                                                   | < 0.00004 ± 0.000032                                    | -                                   | -                                     |
| Trifluralin                                                 | g/m <sup>3</sup> | -                                                   | < 0.00004 ± 0.000027                                    | -                                   | 0.03                                  |
| Vinclozolin                                                 | g/m <sup>3</sup> | -                                                   | < 0.00004 ± 0.000048                                    | -                                   | -                                     |
| Drinking water metals suite, totals, trace                  |                  |                                                     |                                                         |                                     |                                       |
| Total Aluminium                                             | g/m <sup>3</sup> | 0.0086 ± 0.0025                                     | 0.0170 ± 0.0032                                         | ≤ 0.1                               | 1                                     |
| Total Antimony                                              | g/m <sup>3</sup> | < 0.00021 ± 0.00014                                 | < 0.00021 ± 0.00014                                     | -                                   | 0.02                                  |
| Total Arsenic                                               | g/m <sup>3</sup> | < 0.0011 ± 0.00074                                  | < 0.0011 ± 0.00074                                      | -                                   | 0.01                                  |
| Total Barium                                                | g/m <sup>3</sup> | < 0.0053 ± 0.0036                                   | < 0.0053 ± 0.0036                                       | -                                   | 1.5                                   |
| Total Beryllium                                             | g/m <sup>3</sup> | < 0.00011 ± 0.000074                                | < 0.00011 ± 0.000074                                    | -                                   | -                                     |
| Total Boron                                                 | g/m <sup>3</sup> | < 0.053 ± 0.036                                     | < 0.053 ± 0.036                                         | -                                   | 2.4                                   |
| Total Cadmium                                               | g/m <sup>3</sup> | < 0.000053 ± 0.000036                               | < 0.000053 ± 0.000036                                   | -                                   | 0.004                                 |
| Total Calcium                                               | g/m <sup>3</sup> | 15.71 ± 0.63                                        | 11.36 ± 0.46                                            | -                                   | -                                     |
| Total Chromium                                              | g/m <sup>3</sup> | 0.00080 ± 0.00036                                   | 0.00068 ± 0.00036                                       | -                                   | 0.05                                  |
| Total Copper                                                | g/m <sup>3</sup> | < 0.00053 ± 0.00036                                 | < 0.00053 ± 0.00036                                     | ≤ 1                                 | 2                                     |
| Total Iron                                                  | g/m <sup>3</sup> | < 0.021 ± 0.014                                     | < 0.021 ± 0.014                                         | ≤ 0.3                               | -                                     |
| Total Lead                                                  | g/m <sup>3</sup> | < 0.00011 ± 0.000074                                | < 0.00011 ± 0.000074                                    | -                                   | 0.01                                  |
| Total Lithium                                               | g/m <sup>3</sup> | 0.00192 ± 0.00027                                   | 0.00108 ± 0.00019                                       | -                                   | -                                     |
| Total Magnesium                                             | g/m <sup>3</sup> | 7.06 ± 0.57                                         | 9.15 ± 0.74 #1                                          | -                                   | -                                     |
| Total Manganese                                             | g/m <sup>3</sup> | < 0.00053 ± 0.00036                                 | < 0.00053 ± 0.00036                                     | ≤ 0.04 (Staining)<br>≤ 0.10 (Taste) | 0.4                                   |
| Total Mercury                                               | g/m <sup>3</sup> | < 0.00011 ± 0.000074                                | < 0.00011 ± 0.000074                                    | -                                   | 0.007                                 |
| Total Molybdenum                                            | g/m <sup>3</sup> | < 0.00021 ± 0.00015                                 | < 0.00021 ± 0.00015                                     | -                                   | -                                     |
| Total Nickel                                                | g/m <sup>3</sup> | 0.00229 ± 0.00045                                   | 0.00405 ± 0.00060                                       | -                                   | 0.08                                  |
| Total Potassium                                             | g/m <sup>3</sup> | 0.293 ± 0.040                                       | 0.240 ± 0.039                                           | -                                   | -                                     |
| Total Selenium                                              | g/m <sup>3</sup> | < 0.0011 ± 0.00074                                  | < 0.0011 ± 0.00074                                      | -                                   | 0.04                                  |
| Total Silver                                                | g/m <sup>3</sup> | < 0.00054 ± 0.000090                                | < 0.00054 ± 0.000090                                    | -                                   | -                                     |
| Total Sodium                                                | g/m <sup>3</sup> | 5.62 ± 0.34                                         | 3.47 ± 0.21                                             | ≤ 200                               | -                                     |
| Total Tin                                                   | g/m <sup>3</sup> | < 0.00053 ± 0.00036                                 | < 0.00053 ± 0.00036                                     | -                                   | -                                     |
| Total Uranium                                               | g/m <sup>3</sup> | < 0.000021 ± 0.000014                               | < 0.000021 ± 0.000014                                   | -                                   | 0.03                                  |
| Total Zinc                                                  | g/m <sup>3</sup> | < 0.0011 ± 0.00074                                  | < 0.0011 ± 0.00074                                      | ≤ 1.5                               | -                                     |
| Acid Herbicides Screen in Water by LCMSMS                   |                  |                                                     |                                                         |                                     |                                       |
| Acifluorfen                                                 | g/m <sup>3</sup> | -                                                   | < 0.0006 ± 0.00022                                      | -                                   | -                                     |
| Bentazone                                                   | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | -                                     |
| Bromoxynil                                                  | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | -                                     |
| Clopyralid                                                  | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | -                                     |
| 2,4-Dichlorophenoxyacetic acid (24D)                        | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | 0.04                                  |
| 2,4-Dichlorophenoxybutyric acid (24DB)                      | g/m <sup>3</sup> | -                                                   | < 0.0006 ± 0.00028                                      | -                                   | 0.1                                   |
| Dicamba                                                     | g/m <sup>3</sup> | -                                                   | < 0.0006 ± 0.00021                                      | -                                   | -                                     |
| Dichlorprop                                                 | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | 0.1                                   |
| Fluazifop                                                   | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | -                                     |
| Fluroxypyr                                                  | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | -                                     |
| Haloxypop                                                   | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | -                                     |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA)                  | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | 0.8                                   |
| 2-methyl-4-chlorophenoxybutanoic acid (MCPB)                | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | -                                     |
| Mecoprop                                                    | g/m <sup>3</sup> | -                                                   | < 0.0004 ± 0.00021                                      | -                                   | 0.01                                  |
| Oryzalin                                                    | g/m <sup>3</sup> | -                                                   | < 0.0006 ± 0.00023                                      | -                                   | 0.4                                   |

| Sample Type: Aqueous                                                |      |                                        |                    |                                            |        |
|---------------------------------------------------------------------|------|----------------------------------------|--------------------|--------------------------------------------|--------|
| Sample Name:                                                        |      | NWTP Clearwater<br>11-Jun-2026 7:45 am |                    | Maitai South Branch<br>11-Jun-2026 9:45 am |        |
| Lab Number:                                                         |      | 4240937.1                              |                    | 4240937.2                                  |        |
| Acid Herbicides Screen in Water by LCMSMS                           |      |                                        |                    |                                            |        |
| 2,3,4,6-Tetrachlorophenol (TCP)                                     | g/m³ | -                                      | < 0.0004 ± 0.00021 | -                                          | -      |
| 2,4,5-Trichlorophenoxypropionic acid (245TP, Fenoprop, Silvex)      | g/m³ | -                                      | < 0.0004 ± 0.00021 | -                                          | 0.01   |
| 2,4,5-Trichlorophenoxyacetic acid (245T)                            | g/m³ | -                                      | < 0.0004 ± 0.00021 | -                                          | 0.01   |
| Pentachlorophenol (PCP)                                             | g/m³ | -                                      | < 0.0004 ± 0.00021 | -                                          | 0.009  |
| Picloram                                                            | g/m³ | -                                      | < 0.0004 ± 0.00021 | -                                          | 0.2    |
| Quizalofop                                                          | g/m³ | -                                      | < 0.0004 ± 0.00021 | -                                          | -      |
| Triclopyr                                                           | g/m³ | -                                      | < 0.0004 ± 0.00021 | -                                          | 0.1    |
| Haloethers Trace in SVOC Water Samples by GC-MS/MS                  |      |                                        |                    |                                            |        |
| Bis(2-chloroethoxy) methane                                         | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| Bis(2-chloroethyl)ether                                             | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| Bis(2-chloro-1-methylethyl)ether                                    | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| 4-Bromophenyl phenyl ether                                          | g/m³ | -                                      | < 0.0003 ± 0.00021 | -                                          | -      |
| 4-Chlorophenyl phenyl ether                                         | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| Nitrogen containing compounds Trace in SVOC Water Samples, GC-MS/MS |      |                                        |                    |                                            |        |
| 2,4-Dinitrotoluene                                                  | g/m³ | -                                      | < 0.0005 ± 0.00060 | -                                          | -      |
| 2,6-Dinitrotoluene                                                  | g/m³ | -                                      | < 0.0005 ± 0.00059 | -                                          | -      |
| Nitrobenzene                                                        | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| N-Nitrosodi-n-propylamine                                           | g/m³ | -                                      | < 0.0005 ± 0.00058 | -                                          | -      |
| N-Nitrosodiphenylamine + Diphenylamine                              | g/m³ | -                                      | < 0.0010 ± 0.00067 | -                                          | -      |
| Organochlorine Pesticides Trace in SVOC Water Samples by GC-MS/MS   |      |                                        |                    |                                            |        |
| Aldrin                                                              | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| alpha-BHC                                                           | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| beta-BHC                                                            | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| delta-BHC                                                           | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| gamma-BHC (Lindane)                                                 | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | 0.002  |
| 4,4'-DDD                                                            | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| 4,4'-DDE                                                            | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| 4,4'-DDT                                                            | g/m³ | -                                      | < 0.0005 ± 0.00053 | -                                          | -      |
| Dieldrin                                                            | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| Endosulfan I                                                        | g/m³ | -                                      | < 0.0005 ± 0.00054 | -                                          | -      |
| Endosulfan II                                                       | g/m³ | -                                      | < 0.0005 ± 0.00059 | -                                          | -      |
| Endosulfan sulphate                                                 | g/m³ | -                                      | < 0.0005 ± 0.00054 | -                                          | -      |
| Endrin                                                              | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | 0.001  |
| Endrin ketone                                                       | g/m³ | -                                      | < 0.0005 ± 0.00057 | -                                          | -      |
| Heptachlor                                                          | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| Heptachlor epoxide                                                  | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| Hexachlorobenzene                                                   | g/m³ | -                                      | < 0.0005 ± 0.00034 | -                                          | -      |
| Polycyclic Aromatic Hydrocarbons Trace in SVOC Water Samples        |      |                                        |                    |                                            |        |
| Acenaphthene                                                        | g/m³ | -                                      | < 0.0003 ± 0.00021 | -                                          | -      |
| Acenaphthylene                                                      | g/m³ | -                                      | < 0.0003 ± 0.00021 | -                                          | -      |
| Anthracene                                                          | g/m³ | -                                      | < 0.0003 ± 0.00021 | -                                          | -      |
| Benzo[a]anthracene                                                  | g/m³ | -                                      | < 0.0003 ± 0.00021 | -                                          | -      |
| Benzo[a]pyrene (BAP)                                                | g/m³ | -                                      | < 0.0003 ± 0.00020 | -                                          | 0.0007 |
| Benzo[b]fluoranthene + Benzo[j]fluoranthene                         | g/m³ | -                                      | < 0.0003 ± 0.00020 | -                                          | -      |
| Benzo[g,h,i]perylene                                                | g/m³ | -                                      | < 0.0003 ± 0.00020 | -                                          | -      |
| Benzo[k]fluoranthene                                                | g/m³ | -                                      | < 0.0003 ± 0.00020 | -                                          | -      |
| 1&2-Chloronaphthalene                                               | g/m³ | -                                      | < 0.0005 ± 0.00032 | -                                          | -      |
| Chrysene                                                            | g/m³ | -                                      | < 0.0003 ± 0.00021 | -                                          | -      |
| Dibenzo[a,h]anthracene                                              | g/m³ | -                                      | < 0.0003 ± 0.00020 | -                                          | -      |
| Fluoranthene                                                        | g/m³ | -                                      | < 0.0003 ± 0.00020 | -                                          | -      |
| Fluorene                                                            | g/m³ | -                                      | < 0.0003 ± 0.00020 | -                                          | -      |
| Indeno(1,2,3-c,d)pyrene                                             | g/m³ | -                                      | < 0.0003 ± 0.00020 | -                                          | -      |
| 2-Methylnaphthalene                                                 | g/m³ | -                                      | < 0.0003 ± 0.00020 | -                                          | -      |

| Sample Type: Aqueous                                                 |      |                                        |                       |                                     |                                       |
|----------------------------------------------------------------------|------|----------------------------------------|-----------------------|-------------------------------------|---------------------------------------|
| Sample Name:                                                         |      | NWTP Clearwater<br>11-Jun-2026 7:45 am |                       | Aesthetic<br>Values                 | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                                          |      | 4240937.1                              |                       |                                     |                                       |
| Maitai South Branch<br>11-Jun-2026 9:45 am                           |      |                                        |                       | 4240937.2                           |                                       |
| Polycyclic Aromatic Hydrocarbons Trace in SVOC Water Samples         |      |                                        |                       |                                     |                                       |
| Naphthalene                                                          | g/m³ | -                                      | < 0.0003 ± 0.00020    | -                                   | -                                     |
| Phenanthrene                                                         | g/m³ | -                                      | < 0.0003 ± 0.00021    | -                                   | -                                     |
| Pyrene                                                               | g/m³ | -                                      | < 0.0003 ± 0.00021    | -                                   | -                                     |
| Phenols Trace (drinkingwater) in SVOC Water Samples by GC-MS/MS      |      |                                        |                       |                                     |                                       |
| 2-Chlorophenol                                                       | g/m³ | -                                      | < 0.0005 ± 0.00034    | ≤ 0.0001 (Taste)<br>≤ 0.01 (Odour)  | -                                     |
| 2,4-Dichlorophenol                                                   | g/m³ | -                                      | < 0.0005 ± 0.00034    | ≤ 0.0003 (Taste)<br>≤ 0.04 (Odour)  | -                                     |
| 2,4,6-Trichlorophenol                                                | g/m³ | -                                      | < 0.0005 ± 0.00052    | ≤ 0.002 (Taste)<br>≤ 0.3 (Odour)    | 0.2                                   |
| Phenols Trace (non-drinkingwater) in SVOC Water Samples by GC-MS/MS  |      |                                        |                       |                                     |                                       |
| 4-Chloro-3-methylphenol                                              | g/m³ | -                                      | < 0.0005 ± 0.00059    | -                                   | -                                     |
| 2,4-Dimethylphenol                                                   | g/m³ | -                                      | < 0.0005 ± 0.00034    | -                                   | -                                     |
| 3 & 4-Methylphenol (m- + p-cresol)                                   | g/m³ | -                                      | < 0.0005 ± 0.00050    | -                                   | -                                     |
| 2-Methylphenol (o-Cresol)                                            | g/m³ | -                                      | < 0.0005 ± 0.00034    | -                                   | -                                     |
| 2-Nitrophenol                                                        | g/m³ | -                                      | < 0.0005 ± 0.00055    | -                                   | -                                     |
| Pentachlorophenol (PCP)                                              | g/m³ | -                                      | < 0.0005 ± 0.0048     | -                                   | 0.009                                 |
| Phenol                                                               | g/m³ | -                                      | < 0.0005 ± 0.00055    | -                                   | -                                     |
| 2,4,5-Trichlorophenol                                                | g/m³ | -                                      | < 0.0005 ± 0.00055    | -                                   | -                                     |
| Plasticisers Trace (non-drinkingwater) in SVOC Water by GC-MS/MS     |      |                                        |                       |                                     |                                       |
| Butylbenzylphthalate                                                 | g/m³ | -                                      | < 0.0005 ± 0.00057    | -                                   | -                                     |
| Diethylphthalate                                                     | g/m³ | -                                      | < 0.0005 ± 0.00057    | -                                   | -                                     |
| Dimethylphthalate                                                    | g/m³ | -                                      | < 0.0005 ± 0.00058    | -                                   | -                                     |
| Di-n-butylphthalate                                                  | g/m³ | -                                      | < 0.002 ± 0.00092     | -                                   | -                                     |
| Di-n-octylphthalate                                                  | g/m³ | -                                      | < 0.0005 ± 0.00043    | -                                   | -                                     |
| Plasticisers Trace (drinkingwater) in SVOC Water Samples by GC-MS/MS |      |                                        |                       |                                     |                                       |
| Bis(2-ethylhexyl)phthalate                                           | g/m³ | -                                      | < 0.0005 ± 0.0015     | -                                   | 0.009                                 |
| Di(2-ethylhexyl)adipate                                              | g/m³ | -                                      | < 0.0005 ± 0.00062    | -                                   | -                                     |
| Other Halogenated compounds Trace (drinkingwater) in SVOC Water      |      |                                        |                       |                                     |                                       |
| 1,2-Dichlorobenzene                                                  | g/m³ | -                                      | < 0.0005 ± 0.00034    | ≤ 0.001 (Taste)<br>≤ 0.002 (Odour)  | 1.5                                   |
| 1,3-Dichlorobenzene                                                  | g/m³ | -                                      | < 0.0005 ± 0.00034    | -                                   | -                                     |
| 1,4-Dichlorobenzene                                                  | g/m³ | -                                      | < 0.0005 ± 0.00034    | ≤ 0.0003 (Odour)<br>≤ 0.006 (Taste) | 0.4                                   |
| Other Halogenated compounds Trace (non-drinkingwater) in SVOC        |      |                                        |                       |                                     |                                       |
| Hexachlorobutadiene                                                  | g/m³ | -                                      | < 0.0005 ± 0.00034    | -                                   | 0.0007                                |
| Hexachloroethane                                                     | g/m³ | -                                      | < 0.0005 ± 0.00034    | -                                   | -                                     |
| 1,2,4-Trichlorobenzene                                               | g/m³ | -                                      | < 0.0005 ± 0.00034    | ≤ 0.005                             | -                                     |
| Other SVOC Trace in SVOC Water Samples by GC-MS/MS                   |      |                                        |                       |                                     |                                       |
| Benzyl alcohol                                                       | g/m³ | -                                      | < 0.0005 ± 0.0017     | -                                   | -                                     |
| Carbazole                                                            | g/m³ | -                                      | < 0.0005 ± 0.00034    | -                                   | -                                     |
| Dibenzofuran                                                         | g/m³ | -                                      | < 0.0005 ± 0.00034    | -                                   | -                                     |
| Isophorone                                                           | g/m³ | -                                      | < 0.0005 ± 0.00034    | -                                   | -                                     |
| Tributyl Tin in Water samples by LC-MS/MS                            |      |                                        |                       |                                     |                                       |
| Tributyltin (as Sn)                                                  | g/m³ | -                                      | < 0.00004 ± 0.000013  | -                                   | -                                     |
| Triphenyltin (as Sn)                                                 | g/m³ | -                                      | < 0.00003 ± 0.0000078 | -                                   | -                                     |
| BTEX in VOC Water by Headspace GC-MS                                 |      |                                        |                       |                                     |                                       |
| Benzene                                                              | g/m³ | -                                      | < 0.0003 ± 0.00032    | -                                   | 0.01                                  |
| Ethylbenzene                                                         | g/m³ | -                                      | < 0.0005 ± 0.00034    | ≤ 0.002 (Odour)<br>≤ 0.08 (Taste)   | 0.3                                   |
| Toluene                                                              | g/m³ | -                                      | < 0.0003 ± 0.00060    | ≤ 0.03 (Odour)<br>≤ 0.04 (Taste)    | 0.8                                   |
| m&p-Xylene                                                           | g/m³ | -                                      | < 0.0005 ± 0.00034    | -                                   | -                                     |
| o-Xylene                                                             | g/m³ | -                                      | < 0.0003 ± 0.00031    | -                                   | -                                     |
| Halogenated Aliphatics in VOC Water by Headspace GC-MS               |      |                                        |                       |                                     |                                       |

| Sample Type: Aqueous                                      |      |                                            |                    |                                       |        |
|-----------------------------------------------------------|------|--------------------------------------------|--------------------|---------------------------------------|--------|
| Sample Name:                                              |      | NWTP Clearwater<br>11-Jun-2026 7:45 am     |                    | Aesthetic<br>Values                   |        |
| Lab Number:                                               |      | 4240937.1                                  |                    |                                       |        |
|                                                           |      | Maitai South Branch<br>11-Jun-2026 9:45 am |                    | Maximum<br>Acceptable<br>Values (MAV) |        |
|                                                           |      | 4240937.2                                  |                    |                                       |        |
| Halogenated Aliphatics in VOC Water by Headspace GC-MS    |      |                                            |                    |                                       |        |
| Bromomethane (Methyl Bromide)                             | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| Carbon tetrachloride                                      | g/m³ | -                                          | < 0.0003 ± 0.00030 | -                                     | 0.005  |
| Chloroethane                                              | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| Chloromethane                                             | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| 1,2-Dibromo-3-chloropropane                               | g/m³ | -                                          | < 0.0003 ± 0.00026 | -                                     | 0.001  |
| 1,2-Dibromoethane (ethylene dibromide, EDB)               | g/m³ | -                                          | < 0.0003 ± 0.00025 | -                                     | 0.0004 |
| Dibromomethane                                            | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| Dichlorodifluoromethane                                   | g/m³ | -                                          | < 0.0003 ± 0.00030 | -                                     | -      |
| 1,1-Dichloroethane                                        | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| 1,2-Dichloroethane                                        | g/m³ | -                                          | < 0.0003 ± 0.00030 | -                                     | 0.03   |
| 1,1-Dichloroethene                                        | g/m³ | -                                          | < 0.0003 ± 0.00032 | -                                     | -      |
| cis-1,2-Dichloroethene                                    | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| trans-1,2-Dichloroethene                                  | g/m³ | -                                          | < 0.0003 ± 0.00030 | -                                     | -      |
| Dichloromethane (methylene chloride)                      | g/m³ | -                                          | < 0.010 ± 0.0067   | -                                     | 0.02   |
| 1,2-Dichloropropane                                       | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | 0.05   |
| 1,3-Dichloropropane                                       | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| 1,1-Dichloropropene                                       | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| cis-1,3-Dichloropropene                                   | g/m³ | -                                          | < 0.0005 ± 0.00034 | -                                     | -      |
| trans-1,3-Dichloropropene                                 | g/m³ | -                                          | < 0.0005 ± 0.00034 | -                                     | -      |
| Hexachlorobutadiene                                       | g/m³ | -                                          | < 0.0003 ± 0.00030 | -                                     | 0.0007 |
| 1,1,1,2-Tetrachloroethane                                 | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| 1,1,2,2-Tetrachloroethane                                 | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| Tetrachloroethene (tetrachloroethylene)                   | g/m³ | -                                          | < 0.0003 ± 0.00032 | -                                     | 0.05   |
| 1,1,1-Trichloroethane                                     | g/m³ | -                                          | < 0.0003 ± 0.00030 | -                                     | -      |
| 1,1,2-Trichloroethane                                     | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| Trichloroethene (trichloroethylene)                       | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | 0.03   |
| Trichlorofluoromethane                                    | g/m³ | -                                          | < 0.0003 ± 0.00032 | -                                     | -      |
| 1,2,3-Trichloropropane                                    | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| 1,1,2-Trichlorotrifluoroethane (Freon 113)                | g/m³ | -                                          | < 0.0003 ± 0.00027 | -                                     | -      |
| Vinyl chloride                                            | g/m³ | -                                          | < 0.0003 ± 0.00030 | -                                     | 0.0003 |
| Halogenated Aromatics in VOC Water by Headspace GC-MS     |      |                                            |                    |                                       |        |
| Chlorobenzene (monochlorobenzene)                         | g/m³ | -                                          | < 0.0003 ± 0.00031 | ≤ 0.01                                | -      |
| 1,2-Dichlorobenzene                                       | g/m³ | -                                          | < 0.0003 ± 0.00031 | ≤ 0.001 (Taste)<br>≤ 0.002 (Odour)    | 1.5    |
| 1,3-Dichlorobenzene                                       | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| 1,4-Dichlorobenzene                                       | g/m³ | -                                          | < 0.0003 ± 0.00031 | ≤ 0.0003 (Odour)<br>≤ 0.006 (Taste)   | 0.4    |
| 1,2,3-Trichlorobenzene                                    | g/m³ | -                                          | < 0.0003 ± 0.00029 | ≤ 0.01                                | -      |
| 1,2,4-Trichlorobenzene                                    | g/m³ | -                                          | < 0.0003 ± 0.00029 | ≤ 0.005                               | -      |
| 1,3,5-Trichlorobenzene                                    | g/m³ | -                                          | < 0.0003 ± 0.00031 | ≤ 0.05                                | -      |
| Bromobenzene                                              | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| 2-Chlorotoluene                                           | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| 4-Chlorotoluene                                           | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS |      |                                            |                    |                                       |        |
| n-Butylbenzene                                            | g/m³ | -                                          | < 0.0005 ± 0.00034 | -                                     | -      |
| tert-Butylbenzene                                         | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| 4-Isopropyltoluene (p-Cymene)                             | g/m³ | -                                          | < 0.0005 ± 0.00034 | -                                     | -      |
| Isopropylbenzene (Cumene)                                 | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| n-Propylbenzene                                           | g/m³ | -                                          | < 0.0005 ± 0.00034 | -                                     | -      |
| sec-Butylbenzene                                          | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| Styrene                                                   | g/m³ | -                                          | < 0.0005 ± 0.00034 | ≤ 0.004                               | 0.03   |
| 1,2,4-Trimethylbenzene                                    | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| 1,3,5-Trimethylbenzene                                    | g/m³ | -                                          | < 0.0003 ± 0.00031 | -                                     | -      |
| Ketones in VOC Water by Headspace GC-MS                   |      |                                            |                    |                                       |        |

| Sample Type: Aqueous                                        |               |                                        |                                   |                     |                                       |
|-------------------------------------------------------------|---------------|----------------------------------------|-----------------------------------|---------------------|---------------------------------------|
| Sample Name:                                                |               | NWTP Clearwater<br>11-Jun-2026 7:45 am |                                   | Aesthetic<br>Values | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                                 |               | 4240937.1                              |                                   |                     |                                       |
| Ketones in VOC Water by Headspace GC-MS                     |               |                                        |                                   |                     |                                       |
| Acetone                                                     | g/m³          | -                                      | < 0.05 ± 0.034                    | -                   | -                                     |
| 2-Butanone (MEK)                                            | g/m³          | -                                      | < 0.05 ± 0.016                    | -                   | -                                     |
| Methyl tert-butylether (MTBE)                               | g/m³          | -                                      | < 0.0003 ± 0.0031                 | -                   | -                                     |
| 4-Methylpentan-2-one (MIBK)                                 | g/m³          | -                                      | < 0.010 ± 0.0045                  | -                   | -                                     |
| Trihalomethanes in VOC Water by Headspace GC-MS             |               |                                        |                                   |                     |                                       |
| Bromodichloromethane                                        | g/m³          | -                                      | < 0.0003 ± 0.00030                | -                   | 0.06                                  |
| Bromoform (tribromomethane)                                 | g/m³          | -                                      | < 0.0003 ± 0.00030                | -                   | 0.1                                   |
| Chloroform (Trichloromethane)                               | g/m³          | -                                      | < 0.0003 ± 0.00030                | -                   | 0.4                                   |
| Dibromochloromethane                                        | g/m³          | -                                      | < 0.0003 ± 0.00030                | -                   | 0.15                                  |
| Other VOC in Water by Headspace GC-MS                       |               |                                        |                                   |                     |                                       |
| Carbon disulphide                                           | g/m³          | -                                      | < 0.0005 ± 0.0031                 | -                   | -                                     |
| Naphthalene                                                 | g/m³          | -                                      | < 0.0005 ± 0.00034                | -                   | -                                     |
| Sample Name:                                                |               | Maitai Dam 11-Jun-2026<br>10:05 am     | Roding Dam 11-Jun-2026<br>8:00 am | Aesthetic<br>Values | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                                 |               | 4240937.3                              | 4240937.4                         |                     |                                       |
| Individual Tests                                            |               |                                        |                                   |                     |                                       |
| True Hazen Colour                                           | Hazen units   | 31.3 ± 7.7                             | < 10 ± 6.7                        | ≤ 15                | -                                     |
| Total Alkalinity                                            | g/m³ as CaCO₃ | 52.9 ± 2.3                             | 76.6 ± 3.2                        | -                   | -                                     |
| Total Hardness                                              | g/m³ as CaCO₃ | 52.2 ± 2.6                             | 76.1 ± 3.6                        | ≤ 200               | -                                     |
| Dissolved Calcium                                           | g/m³          | 15.54 ± 0.98                           | 19.8 ± 1.3                        | -                   | -                                     |
| Dissolved Magnesium                                         | g/m³          | 3.26 ± 0.22 <sup>#1</sup>              | 6.49 ± 0.44 <sup>#1</sup>         | -                   | -                                     |
| Total Cyanide                                               | g/m³          | < 0.002 ± 0.0017                       | < 0.002 ± 0.0017                  | -                   | 0.6                                   |
| Chloride                                                    | g/m³          | 3.02 ± 0.37                            | 4.87 ± 0.41                       | ≤ 250               | -                                     |
| Fluoride                                                    | g/m³          | < 0.05 ± 0.041                         | < 0.05 ± 0.041                    | -                   | 1.5                                   |
| Total Ammoniacal-N                                          | g/m³          | < 0.010 ± 0.0067                       | < 0.010 ± 0.0067                  | ≤ 1.2               | -                                     |
| Nitrite-N                                                   | g/m³          | < 0.002 ± 0.0014                       | < 0.002 ± 0.0014                  | -                   | 0.91                                  |
| Nitrate-N                                                   | g/m³          | 0.109 ± 0.014                          | 0.0631 ± 0.0079                   | -                   | 11.3                                  |
| Nitrate-N + Nitrite-N                                       | g/m³          | 0.110 ± 0.014                          | 0.0633 ± 0.0078                   | -                   | -                                     |
| Dissolved Reactive Phosphorus                               | g/m³          | < 0.004 ± 0.0027                       | 0.0054 ± 0.0027                   | -                   | -                                     |
| Sulphate                                                    | g/m³          | 1.07 ± 0.34                            | 2.53 ± 0.38                       | ≤ 250               | -                                     |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |               |                                        |                                   |                     |                                       |
| Acetochlor                                                  | g/m³          | < 0.00004 ± 0.00042                    | < 0.00004 ± 0.00042               | -                   | -                                     |
| Alachlor                                                    | g/m³          | < 0.00004 ± 0.00018                    | < 0.00004 ± 0.00018               | -                   | 0.02                                  |
| Atrazine                                                    | g/m³          | < 0.00004 ± 0.000024                   | < 0.00004 ± 0.000024              | -                   | 0.002                                 |
| Atrazine-desethyl                                           | g/m³          | < 0.00004 ± 0.00041                    | < 0.00004 ± 0.00041               | -                   | -                                     |
| Atrazine-desisopropyl                                       | g/m³          | < 0.00008 ± 0.00018                    | < 0.00008 ± 0.00018               | -                   | -                                     |
| Azaconazole                                                 | g/m³          | < 0.00002 ± 0.0000071                  | < 0.00002 ± 0.0000071             | -                   | -                                     |
| Azinphos-methyl                                             | g/m³          | < 0.00008 ± 0.000036                   | < 0.00008 ± 0.000036              | -                   | 0.004                                 |
| Benalaxyl                                                   | g/m³          | < 0.00002 ± 0.0000094                  | < 0.00002 ± 0.0000094             | -                   | -                                     |
| Bitertanol                                                  | g/m³          | < 0.00008 ± 0.000048                   | < 0.00008 ± 0.000048              | -                   | -                                     |
| Bromacil                                                    | g/m³          | < 0.00004 ± 0.000025                   | < 0.00004 ± 0.000025              | -                   | 0.4                                   |
| Bromopropylate                                              | g/m³          | < 0.00004 ± 0.000022                   | < 0.00004 ± 0.000022              | -                   | -                                     |
| Butachlor                                                   | g/m³          | < 0.00004 ± 0.000021                   | < 0.00004 ± 0.000021              | -                   | -                                     |
| Captan                                                      | g/m³          | < 0.00008 ± 0.000060                   | < 0.00008 ± 0.000060              | -                   | -                                     |
| Carbaryl                                                    | g/m³          | < 0.00004 ± 0.000021                   | < 0.00004 ± 0.000021              | -                   | -                                     |
| Carbofenothion                                              | g/m³          | < 0.00004 ± 0.000022                   | < 0.00004 ± 0.000022              | -                   | -                                     |
| Carbofuran                                                  | g/m³          | < 0.00004 ± 0.000022                   | < 0.00004 ± 0.000022              | -                   | 0.008                                 |
| Chlorfluazuron                                              | g/m³          | < 0.00004 ± 0.000032                   | < 0.00004 ± 0.000032              | -                   | -                                     |
| Chlorothalonil                                              | g/m³          | < 0.00004 ± 0.000022                   | < 0.00004 ± 0.000022              | -                   | -                                     |
| Chlorpyrifos                                                | g/m³          | < 0.00004 ± 0.000022                   | < 0.00004 ± 0.000022              | -                   | 0.04                                  |
| Chlorpyrifos-methyl                                         | g/m³          | < 0.00004 ± 0.000022                   | < 0.00004 ± 0.000022              | -                   | -                                     |
| Chlortoluron                                                | g/m³          | < 0.00008 ± 0.000062                   | < 0.00008 ± 0.000062              | -                   | 0.04                                  |
| Cyanazine                                                   | g/m³          | < 0.00004 ± 0.000021                   | < 0.00004 ± 0.000021              | -                   | 0.0007                                |
| Cyfluthrin                                                  | g/m³          | < 0.00004 ± 0.000027                   | < 0.00004 ± 0.000027              | -                   | -                                     |
| Cyhalothrin                                                 | g/m³          | < 0.00004 ± 0.000022                   | < 0.00004 ± 0.000022              | -                   | -                                     |

| Sample Type: Aqueous                                        |                  |                                    |                                   |                     |                                       |
|-------------------------------------------------------------|------------------|------------------------------------|-----------------------------------|---------------------|---------------------------------------|
| Sample Name:                                                |                  | Maitai Dam 11-Jun-2026<br>10:05 am | Roding Dam 11-Jun-2026<br>8:00 am | Aesthetic<br>Values | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                                 |                  | 4240937.3                          | 4240937.4                         |                     |                                       |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |                  |                                    |                                   |                     |                                       |
| Cypermethrin                                                | g/m <sup>3</sup> | < 0.00008 ± 0.000043               | < 0.00008 ± 0.000043              | -                   | -                                     |
| Deltamethrin (including Tralomethrin)                       | g/m <sup>3</sup> | < 0.00006 ± 0.000027               | < 0.00006 ± 0.000027              | -                   | -                                     |
| Diazinon                                                    | g/m <sup>3</sup> | < 0.00002 ± 0.0000083              | < 0.00002 ± 0.0000083             | -                   | -                                     |
| Dichlofluanid                                               | g/m <sup>3</sup> | < 0.00004 ± 0.00018                | < 0.00004 ± 0.00018               | -                   | -                                     |
| Dichloran                                                   | g/m <sup>3</sup> | < 0.0002 ± 0.000089                | < 0.0002 ± 0.000089               | -                   | -                                     |
| Dichlorvos                                                  | g/m <sup>3</sup> | < 0.00008 ± 0.00018                | < 0.00008 ± 0.00018               | -                   | -                                     |
| Difenoconazole                                              | g/m <sup>3</sup> | < 0.00008 ± 0.000043               | < 0.00008 ± 0.000043              | -                   | -                                     |
| Dimethoate                                                  | g/m <sup>3</sup> | < 0.00008 ± 0.000057               | < 0.00008 ± 0.000057              | -                   | 0.008                                 |
| Diphenylamine                                               | g/m <sup>3</sup> | < 0.00008 ± 0.00018                | < 0.00008 ± 0.00018               | -                   | -                                     |
| Diuron                                                      | g/m <sup>3</sup> | < 0.00004 ± 0.000023               | < 0.00004 ± 0.000023              | -                   | 0.02                                  |
| Fenpropimorph                                               | g/m <sup>3</sup> | < 0.00004 ± 0.000022               | < 0.00004 ± 0.000022              | -                   | -                                     |
| Fluazifop-butyl                                             | g/m <sup>3</sup> | < 0.00004 ± 0.000022               | < 0.00004 ± 0.000022              | -                   | -                                     |
| Fluometuron                                                 | g/m <sup>3</sup> | < 0.00004 ± 0.000026               | < 0.00004 ± 0.000026              | -                   | -                                     |
| Flusilazole                                                 | g/m <sup>3</sup> | < 0.00004 ± 0.000028               | < 0.00004 ± 0.000028              | -                   | -                                     |
| Fluvalinate                                                 | g/m <sup>3</sup> | < 0.00004 ± 0.000011               | < 0.00004 ± 0.000011              | -                   | -                                     |
| Furalaxyl                                                   | g/m <sup>3</sup> | < 0.00002 ± 0.0000079              | < 0.00002 ± 0.0000079             | -                   | -                                     |
| Haloxifop-methyl                                            | g/m <sup>3</sup> | < 0.00004 ± 0.000027               | < 0.00004 ± 0.000027              | -                   | -                                     |
| Hexaconazole                                                | g/m <sup>3</sup> | < 0.00004 ± 0.000060               | < 0.00004 ± 0.000060              | -                   | -                                     |
| Hexazinone                                                  | g/m <sup>3</sup> | < 0.00002 ± 0.000017               | < 0.00002 ± 0.000017              | -                   | 0.4                                   |
| IPBC (3-Iodo-2-propynyl-n-butylcarbamate)                   | g/m <sup>3</sup> | < 0.0002 ± 0.00011                 | < 0.0002 ± 0.00011                | -                   | -                                     |
| Kresoxim-methyl                                             | g/m <sup>3</sup> | < 0.00002 ± 0.000019               | < 0.00002 ± 0.000019              | -                   | -                                     |
| Linuron                                                     | g/m <sup>3</sup> | < 0.00005 ± 0.000021               | < 0.00005 ± 0.000021              | -                   | -                                     |
| Malathion                                                   | g/m <sup>3</sup> | < 0.00004 ± 0.000022               | < 0.00004 ± 0.000022              | -                   | -                                     |
| Metalaxyl                                                   | g/m <sup>3</sup> | < 0.00004 ± 0.000023               | < 0.00004 ± 0.000023              | -                   | 0.3                                   |
| Metolachlor                                                 | g/m <sup>3</sup> | < 0.00004 ± 0.000021               | < 0.00004 ± 0.000021              | -                   | 0.01                                  |
| Metribuzin                                                  | g/m <sup>3</sup> | < 0.00004 ± 0.000027               | < 0.00004 ± 0.000027              | -                   | 0.07                                  |
| Molinate                                                    | g/m <sup>3</sup> | < 0.00008 ± 0.000030               | < 0.00008 ± 0.000030              | -                   | 0.007                                 |
| Myclobutanil                                                | g/m <sup>3</sup> | < 0.00004 ± 0.000033               | < 0.00004 ± 0.000033              | -                   | -                                     |
| Naled                                                       | g/m <sup>3</sup> | < 0.0002 ± 0.000056                | < 0.0002 ± 0.000056               | -                   | -                                     |
| Norflurazon                                                 | g/m <sup>3</sup> | < 0.00008 ± 0.000028               | < 0.00008 ± 0.000028              | -                   | -                                     |
| Oxadiazon                                                   | g/m <sup>3</sup> | < 0.00004 ± 0.000022               | < 0.00004 ± 0.000022              | -                   | 0.2                                   |
| Oxyfluorfen                                                 | g/m <sup>3</sup> | < 0.00002 ± 0.000019               | < 0.00002 ± 0.000019              | -                   | -                                     |
| Paclobutrazol                                               | g/m <sup>3</sup> | < 0.00004 ± 0.000023               | < 0.00004 ± 0.000023              | -                   | -                                     |
| Parathion-ethyl                                             | g/m <sup>3</sup> | < 0.00004 ± 0.000022               | < 0.00004 ± 0.000022              | -                   | -                                     |
| Parathion-methyl                                            | g/m <sup>3</sup> | < 0.00004 ± 0.000022               | < 0.00004 ± 0.000022              | -                   | -                                     |
| Pendimethalin                                               | g/m <sup>3</sup> | < 0.00004 ± 0.000051               | < 0.00004 ± 0.000051              | -                   | 0.02                                  |
| Permethrin                                                  | g/m <sup>3</sup> | < 0.00002 ± 0.000020               | < 0.00002 ± 0.000020              | -                   | -                                     |
| Pirimicarb                                                  | g/m <sup>3</sup> | < 0.00004 ± 0.000015               | < 0.00004 ± 0.000015              | -                   | -                                     |
| Pirimiphos-methyl                                           | g/m <sup>3</sup> | < 0.00004 ± 0.000024               | < 0.00004 ± 0.000024              | -                   | 0.1                                   |
| Prochloraz                                                  | g/m <sup>3</sup> | < 0.0002 ± 0.000059                | < 0.0002 ± 0.000059               | -                   | -                                     |
| Procymidone                                                 | g/m <sup>3</sup> | < 0.00004 ± 0.000021               | < 0.00004 ± 0.000021              | -                   | 0.7                                   |
| Prometryn                                                   | g/m <sup>3</sup> | < 0.00002 ± 0.000020               | < 0.00002 ± 0.000020              | -                   | -                                     |
| Propachlor                                                  | g/m <sup>3</sup> | < 0.00004 ± 0.000024               | < 0.00004 ± 0.000024              | -                   | -                                     |
| Propanil                                                    | g/m <sup>3</sup> | < 0.0002 ± 0.000056                | < 0.0002 ± 0.000056               | -                   | -                                     |
| Propazine                                                   | g/m <sup>3</sup> | < 0.00002 ± 0.000020               | < 0.00002 ± 0.000020              | -                   | 0.07                                  |
| Propiconazole                                               | g/m <sup>3</sup> | < 0.00004 ± 0.000033               | < 0.00004 ± 0.000033              | -                   | -                                     |
| Pyriproxyfen                                                | g/m <sup>3</sup> | < 0.00004 ± 0.000033               | < 0.00004 ± 0.000033              | -                   | 0.4                                   |
| Quizalofop-ethyl                                            | g/m <sup>3</sup> | < 0.00004 ± 0.000022               | < 0.00004 ± 0.000022              | -                   | -                                     |
| Simazine                                                    | g/m <sup>3</sup> | < 0.00004 ± 0.000013               | < 0.00004 ± 0.000013              | -                   | 0.002                                 |
| Simetryn                                                    | g/m <sup>3</sup> | < 0.00004 ± 0.000022               | < 0.00004 ± 0.000022              | -                   | -                                     |
| Sulfentrazone                                               | g/m <sup>3</sup> | < 0.0002 ± 0.000056                | < 0.0002 ± 0.000056               | -                   | -                                     |
| TCMTB [2-(thiocyanomethylthio)benzothiazole, Busan]         | g/m <sup>3</sup> | < 0.00008 ± 0.000032               | < 0.00008 ± 0.000032              | -                   | -                                     |
| Tebuconazole                                                | g/m <sup>3</sup> | < 0.00004 ± 0.000059               | < 0.00004 ± 0.000059              | -                   | -                                     |
| Terbacil                                                    | g/m <sup>3</sup> | < 0.00004 ± 0.000032               | < 0.00004 ± 0.000032              | -                   | 0.04                                  |

| Sample Type: Aqueous                                        |                  |                                    |                                   |                                     |                                       |
|-------------------------------------------------------------|------------------|------------------------------------|-----------------------------------|-------------------------------------|---------------------------------------|
| Sample Name:                                                |                  | Maitai Dam 11-Jun-2026<br>10:05 am | Roding Dam 11-Jun-2026<br>8:00 am | Aesthetic<br>Values                 | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                                 |                  | 4240937.3                          | 4240937.4                         |                                     |                                       |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |                  |                                    |                                   |                                     |                                       |
| Terbumeton                                                  | g/m <sup>3</sup> | < 0.00004 ± 0.000021               | < 0.00004 ± 0.000021              | -                                   | -                                     |
| Terbuthylazine                                              | g/m <sup>3</sup> | < 0.00002 ± 0.0000079              | < 0.00002 ± 0.0000079             | -                                   | 0.008                                 |
| Terbuthylazine-desethyl                                     | g/m <sup>3</sup> | < 0.00004 ± 0.000038               | < 0.00004 ± 0.000038              | -                                   | -                                     |
| Terbutryn                                                   | g/m <sup>3</sup> | < 0.00004 ± 0.000023               | < 0.00004 ± 0.000023              | -                                   | -                                     |
| Thiabendazole                                               | g/m <sup>3</sup> | < 0.0002 ± 0.000063                | < 0.0002 ± 0.000063               | -                                   | 0.4                                   |
| Thiobencarb                                                 | g/m <sup>3</sup> | < 0.00004 ± 0.000022               | < 0.00004 ± 0.000022              | -                                   | -                                     |
| Tolyfluanid                                                 | g/m <sup>3</sup> | < 0.00002 ± 0.000019               | < 0.00002 ± 0.000019              | -                                   | -                                     |
| Triazophos                                                  | g/m <sup>3</sup> | < 0.00004 ± 0.000032               | < 0.00004 ± 0.000032              | -                                   | -                                     |
| Trifluralin                                                 | g/m <sup>3</sup> | < 0.00004 ± 0.000027               | < 0.00004 ± 0.000027              | -                                   | 0.03                                  |
| Vinclozolin                                                 | g/m <sup>3</sup> | < 0.00004 ± 0.000048               | < 0.00004 ± 0.000048              | -                                   | -                                     |
| Drinking water metals suite, totals, trace                  |                  |                                    |                                   |                                     |                                       |
| Total Aluminium                                             | g/m <sup>3</sup> | 0.173 ± 0.025                      | 0.0103 ± 0.0026                   | ≤ 0.1                               | 1                                     |
| Total Antimony                                              | g/m <sup>3</sup> | < 0.00021 ± 0.00014                | < 0.00021 ± 0.00014               | -                                   | 0.02                                  |
| Total Arsenic                                               | g/m <sup>3</sup> | < 0.0011 ± 0.00074                 | < 0.0011 ± 0.00074                | -                                   | 0.01                                  |
| Total Barium                                                | g/m <sup>3</sup> | < 0.0053 ± 0.0036                  | < 0.0053 ± 0.0036                 | -                                   | 1.5                                   |
| Total Beryllium                                             | g/m <sup>3</sup> | < 0.00011 ± 0.000074               | < 0.00011 ± 0.000074              | -                                   | -                                     |
| Total Boron                                                 | g/m <sup>3</sup> | < 0.053 ± 0.036                    | < 0.053 ± 0.036                   | -                                   | 2.4                                   |
| Total Cadmium                                               | g/m <sup>3</sup> | < 0.000053 ± 0.000036              | < 0.000053 ± 0.000036             | -                                   | 0.004                                 |
| Total Calcium                                               | g/m <sup>3</sup> | 15.59 ± 0.63                       | 20.19 ± 0.81                      | -                                   | -                                     |
| Total Chromium                                              | g/m <sup>3</sup> | 0.00244 ± 0.00041                  | 0.00096 ± 0.00036                 | -                                   | 0.05                                  |
| Total Copper                                                | g/m <sup>3</sup> | < 0.00053 ± 0.00036                | 0.00061 ± 0.00036                 | ≤ 1                                 | 2                                     |
| Total Iron                                                  | g/m <sup>3</sup> | 0.219 ± 0.034                      | < 0.021 ± 0.014                   | ≤ 0.3                               | -                                     |
| Total Lead                                                  | g/m <sup>3</sup> | < 0.00011 ± 0.000074               | < 0.00011 ± 0.000074              | -                                   | 0.01                                  |
| Total Lithium                                               | g/m <sup>3</sup> | 0.00046 ± 0.00015                  | 0.00353 ± 0.00045                 | -                                   | -                                     |
| Total Magnesium                                             | g/m <sup>3</sup> | 3.09 ± 0.25 #1                     | 6.46 ± 0.52 #1                    | -                                   | -                                     |
| Total Manganese                                             | g/m <sup>3</sup> | 0.00908 ± 0.00098                  | < 0.00053 ± 0.00036               | ≤ 0.04 (Staining)<br>≤ 0.10 (Taste) | 0.4                                   |
| Total Mercury                                               | g/m <sup>3</sup> | < 0.00011 ± 0.000074               | < 0.00011 ± 0.000074              | -                                   | 0.007                                 |
| Total Molybdenum                                            | g/m <sup>3</sup> | < 0.00021 ± 0.00015                | < 0.00021 ± 0.00015               | -                                   | -                                     |
| Total Nickel                                                | g/m <sup>3</sup> | 0.00543 ± 0.00074                  | 0.00230 ± 0.00045                 | -                                   | 0.08                                  |
| Total Potassium                                             | g/m <sup>3</sup> | 0.319 ± 0.041                      | 0.343 ± 0.041                     | -                                   | -                                     |
| Total Selenium                                              | g/m <sup>3</sup> | < 0.0011 ± 0.00074                 | < 0.0011 ± 0.00074                | -                                   | 0.04                                  |
| Total Silver                                                | g/m <sup>3</sup> | < 0.00054 ± 0.000090               | < 0.00054 ± 0.000090              | -                                   | -                                     |
| Total Sodium                                                | g/m <sup>3</sup> | 2.88 ± 0.18                        | 4.68 ± 0.29                       | ≤ 200                               | -                                     |
| Total Tin                                                   | g/m <sup>3</sup> | < 0.00053 ± 0.00036                | < 0.00053 ± 0.00036               | -                                   | -                                     |
| Total Uranium                                               | g/m <sup>3</sup> | < 0.000021 ± 0.000014              | < 0.000021 ± 0.000014             | -                                   | 0.03                                  |
| Total Zinc                                                  | g/m <sup>3</sup> | < 0.0011 ± 0.00074                 | < 0.0011 ± 0.00074                | ≤ 1.5                               | -                                     |
| Acid Herbicides Screen in Water by LCMSMS                   |                  |                                    |                                   |                                     |                                       |
| Acifluorfen                                                 | g/m <sup>3</sup> | < 0.0006 ± 0.00022                 | < 0.0006 ± 0.00022                | -                                   | -                                     |
| Bentazone                                                   | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | -                                     |
| Bromoxynil                                                  | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | -                                     |
| Clopyralid                                                  | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | -                                     |
| 2,4-Dichlorophenoxyacetic acid (24D)                        | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | 0.04                                  |
| 2,4-Dichlorophenoxybutyric acid (24DB)                      | g/m <sup>3</sup> | < 0.0006 ± 0.00028                 | < 0.0006 ± 0.00028                | -                                   | 0.1                                   |
| Dicamba                                                     | g/m <sup>3</sup> | < 0.0006 ± 0.00021                 | < 0.0006 ± 0.00021                | -                                   | -                                     |
| Dichlorprop                                                 | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | 0.1                                   |
| Fluazifop                                                   | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | -                                     |
| Fluroxypyr                                                  | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | -                                     |
| Haloxypop                                                   | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | -                                     |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA)                  | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | 0.8                                   |
| 2-methyl-4-chlorophenoxybutanoic acid (MCPB)                | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | -                                     |
| Mecoprop                                                    | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | 0.01                                  |
| Oryzalin                                                    | g/m <sup>3</sup> | < 0.0006 ± 0.00023                 | < 0.0006 ± 0.00023                | -                                   | 0.4                                   |
| 2,3,4,6-Tetrachlorophenol (TCP)                             | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                                   | -                                     |

| Sample Type: Aqueous                                                |                  |                                    |                                   |                     |                                       |
|---------------------------------------------------------------------|------------------|------------------------------------|-----------------------------------|---------------------|---------------------------------------|
| Sample Name:                                                        |                  | Maitai Dam 11-Jun-2026<br>10:05 am | Roding Dam 11-Jun-2026<br>8:00 am | Aesthetic<br>Values | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                                         |                  | 4240937.3                          | 4240937.4                         |                     |                                       |
| Acid Herbicides Screen in Water by LCMSMS                           |                  |                                    |                                   |                     |                                       |
| 2,4,5-Trichlorophenoxypropionic acid (245TP, Fenoprop, Silvex)      | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                   | 0.01                                  |
| 2,4,5-Trichlorophenoxyacetic acid (245T)                            | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                   | 0.01                                  |
| Pentachlorophenol (PCP)                                             | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                   | 0.009                                 |
| Picloram                                                            | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                   | 0.2                                   |
| Quizalofop                                                          | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                   | -                                     |
| Triclopyr                                                           | g/m <sup>3</sup> | < 0.0004 ± 0.00021                 | < 0.0004 ± 0.00021                | -                   | 0.1                                   |
| Haloethers Trace in SVOC Water Samples by GC-MS/MS                  |                  |                                    |                                   |                     |                                       |
| Bis(2-chloroethoxy) methane                                         | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| Bis(2-chloroethyl)ether                                             | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| Bis(2-chloro-1-methylethyl)ether                                    | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| 4-Bromophenyl phenyl ether                                          | g/m <sup>3</sup> | < 0.0003 ± 0.00021                 | < 0.0003 ± 0.00021                | -                   | -                                     |
| 4-Chlorophenyl phenyl ether                                         | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| Nitrogen containing compounds Trace in SVOC Water Samples, GC-MS/MS |                  |                                    |                                   |                     |                                       |
| 2,4-Dinitrotoluene                                                  | g/m <sup>3</sup> | < 0.0005 ± 0.00060                 | < 0.0005 ± 0.00060                | -                   | -                                     |
| 2,6-Dinitrotoluene                                                  | g/m <sup>3</sup> | < 0.0005 ± 0.00059                 | < 0.0005 ± 0.00059                | -                   | -                                     |
| Nitrobenzene                                                        | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| N-Nitrosodi-n-propylamine                                           | g/m <sup>3</sup> | < 0.0005 ± 0.00058                 | < 0.0005 ± 0.00058                | -                   | -                                     |
| N-Nitrosodiphenylamine + Diphenylamine                              | g/m <sup>3</sup> | < 0.0010 ± 0.00067                 | < 0.0010 ± 0.00067                | -                   | -                                     |
| Organochlorine Pesticides Trace in SVOC Water Samples by GC-MS/MS   |                  |                                    |                                   |                     |                                       |
| Aldrin                                                              | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| alpha-BHC                                                           | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| beta-BHC                                                            | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| delta-BHC                                                           | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| gamma-BHC (Lindane)                                                 | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | 0.002                                 |
| 4,4'-DDD                                                            | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| 4,4'-DDE                                                            | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| 4,4'-DDT                                                            | g/m <sup>3</sup> | < 0.0005 ± 0.00053                 | < 0.0005 ± 0.00053                | -                   | -                                     |
| Dieldrin                                                            | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| Endosulfan I                                                        | g/m <sup>3</sup> | < 0.0005 ± 0.00054                 | < 0.0005 ± 0.00054                | -                   | -                                     |
| Endosulfan II                                                       | g/m <sup>3</sup> | < 0.0005 ± 0.00059                 | < 0.0005 ± 0.00059                | -                   | -                                     |
| Endosulfan sulphate                                                 | g/m <sup>3</sup> | < 0.0005 ± 0.00054                 | < 0.0005 ± 0.00054                | -                   | -                                     |
| Endrin                                                              | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | 0.001                                 |
| Endrin ketone                                                       | g/m <sup>3</sup> | < 0.0005 ± 0.00057                 | < 0.0005 ± 0.00057                | -                   | -                                     |
| Heptachlor                                                          | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| Heptachlor epoxide                                                  | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| Hexachlorobenzene                                                   | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |
| Polycyclic Aromatic Hydrocarbons Trace in SVOC Water Samples        |                  |                                    |                                   |                     |                                       |
| Acenaphthene                                                        | g/m <sup>3</sup> | < 0.0003 ± 0.00021                 | < 0.0003 ± 0.00021                | -                   | -                                     |
| Acenaphthylene                                                      | g/m <sup>3</sup> | < 0.0003 ± 0.00021                 | < 0.0003 ± 0.00021                | -                   | -                                     |
| Anthracene                                                          | g/m <sup>3</sup> | < 0.0003 ± 0.00021                 | < 0.0003 ± 0.00021                | -                   | -                                     |
| Benzo[a]anthracene                                                  | g/m <sup>3</sup> | < 0.0003 ± 0.00021                 | < 0.0003 ± 0.00021                | -                   | -                                     |
| Benzo[a]pyrene (BAP)                                                | g/m <sup>3</sup> | < 0.0003 ± 0.00020                 | < 0.0003 ± 0.00020                | -                   | 0.0007                                |
| Benzo[b]fluoranthene + Benzo[j]fluoranthene                         | g/m <sup>3</sup> | < 0.0003 ± 0.00020                 | < 0.0003 ± 0.00020                | -                   | -                                     |
| Benzo[g,h,i]perylene                                                | g/m <sup>3</sup> | < 0.0003 ± 0.00020                 | < 0.0003 ± 0.00020                | -                   | -                                     |
| Benzo[k]fluoranthene                                                | g/m <sup>3</sup> | < 0.0003 ± 0.00020                 | < 0.0003 ± 0.00020                | -                   | -                                     |
| 1&2-Chloronaphthalene                                               | g/m <sup>3</sup> | < 0.0005 ± 0.00032                 | < 0.0005 ± 0.00032                | -                   | -                                     |
| Chrysene                                                            | g/m <sup>3</sup> | < 0.0003 ± 0.00021                 | < 0.0003 ± 0.00021                | -                   | -                                     |
| Dibenzo[a,h]anthracene                                              | g/m <sup>3</sup> | < 0.0003 ± 0.00020                 | < 0.0003 ± 0.00020                | -                   | -                                     |
| Fluoranthene                                                        | g/m <sup>3</sup> | < 0.0003 ± 0.00020                 | < 0.0003 ± 0.00020                | -                   | -                                     |
| Fluorene                                                            | g/m <sup>3</sup> | < 0.0003 ± 0.00020                 | < 0.0003 ± 0.00020                | -                   | -                                     |
| Indeno(1,2,3-c,d)pyrene                                             | g/m <sup>3</sup> | < 0.0003 ± 0.00020                 | < 0.0003 ± 0.00020                | -                   | -                                     |
| 2-Methylnaphthalene                                                 | g/m <sup>3</sup> | < 0.0003 ± 0.00020                 | < 0.0003 ± 0.00020                | -                   | -                                     |
| Naphthalene                                                         | g/m <sup>3</sup> | < 0.0003 ± 0.00020                 | < 0.0003 ± 0.00020                | -                   | -                                     |

| Sample Type: Aqueous                                                 |                  |                                    |                                   |                                     |                                       |
|----------------------------------------------------------------------|------------------|------------------------------------|-----------------------------------|-------------------------------------|---------------------------------------|
| Sample Name:                                                         |                  | Maitai Dam 11-Jun-2026<br>10:05 am | Roding Dam 11-Jun-2026<br>8:00 am | Aesthetic<br>Values                 | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                                          |                  | 4240937.3                          | 4240937.4                         |                                     |                                       |
| Polycyclic Aromatic Hydrocarbons Trace in SVOC Water Samples         |                  |                                    |                                   |                                     |                                       |
| Phenanthrene                                                         | g/m <sup>3</sup> | < 0.0003 ± 0.00021                 | < 0.0003 ± 0.00021                | -                                   | -                                     |
| Pyrene                                                               | g/m <sup>3</sup> | < 0.0003 ± 0.00021                 | < 0.0003 ± 0.00021                | -                                   | -                                     |
| Phenols Trace (drinkingwater) in SVOC Water Samples by GC-MS/MS      |                  |                                    |                                   |                                     |                                       |
| 2-Chlorophenol                                                       | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | ≤ 0.0001 (Taste)<br>≤ 0.01 (Odour)  | -                                     |
| 2,4-Dichlorophenol                                                   | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | ≤ 0.0003 (Taste)<br>≤ 0.04 (Odour)  | -                                     |
| 2,4,6-Trichlorophenol                                                | g/m <sup>3</sup> | < 0.0005 ± 0.00052                 | < 0.0005 ± 0.00052                | ≤ 0.002 (Taste)<br>≤ 0.3 (Odour)    | 0.2                                   |
| Phenols Trace (non-drinkingwater) in SVOC Water Samples by GC-MS/MS  |                  |                                    |                                   |                                     |                                       |
| 4-Chloro-3-methylphenol                                              | g/m <sup>3</sup> | < 0.0005 ± 0.00059                 | < 0.0005 ± 0.00059                | -                                   | -                                     |
| 2,4-Dimethylphenol                                                   | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| 3 & 4-Methylphenol (m- + p-cresol)                                   | g/m <sup>3</sup> | < 0.0005 ± 0.00050                 | < 0.0005 ± 0.00050                | -                                   | -                                     |
| 2-Methylphenol (o-Cresol)                                            | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| 2-Nitrophenol                                                        | g/m <sup>3</sup> | < 0.0005 ± 0.00055                 | < 0.0005 ± 0.00055                | -                                   | -                                     |
| Pentachlorophenol (PCP)                                              | g/m <sup>3</sup> | < 0.0005 ± 0.0048                  | < 0.0005 ± 0.0048                 | -                                   | 0.009                                 |
| Phenol                                                               | g/m <sup>3</sup> | < 0.0005 ± 0.00055                 | < 0.0005 ± 0.00055                | -                                   | -                                     |
| 2,4,5-Trichlorophenol                                                | g/m <sup>3</sup> | < 0.0005 ± 0.00055                 | < 0.0005 ± 0.00055                | -                                   | -                                     |
| Plasticisers Trace (non-drinkingwater) in SVOC Water by GC-MS/MS     |                  |                                    |                                   |                                     |                                       |
| Butylbenzylphthalate                                                 | g/m <sup>3</sup> | < 0.0005 ± 0.00057                 | < 0.0005 ± 0.00057                | -                                   | -                                     |
| Diethylphthalate                                                     | g/m <sup>3</sup> | < 0.0005 ± 0.00057                 | < 0.0005 ± 0.00057                | -                                   | -                                     |
| Dimethylphthalate                                                    | g/m <sup>3</sup> | < 0.0005 ± 0.00058                 | < 0.0005 ± 0.00058                | -                                   | -                                     |
| Di-n-butylphthalate                                                  | g/m <sup>3</sup> | < 0.002 ± 0.00092                  | < 0.002 ± 0.00092                 | -                                   | -                                     |
| Di-n-octylphthalate                                                  | g/m <sup>3</sup> | < 0.0005 ± 0.00043                 | < 0.0005 ± 0.00043                | -                                   | -                                     |
| Plasticisers Trace (drinkingwater) in SVOC Water Samples by GC-MS/MS |                  |                                    |                                   |                                     |                                       |
| Bis(2-ethylhexyl)phthalate                                           | g/m <sup>3</sup> | < 0.0005 ± 0.0015                  | < 0.0005 ± 0.0015                 | -                                   | 0.009                                 |
| Di(2-ethylhexyl)adipate                                              | g/m <sup>3</sup> | < 0.0005 ± 0.00062                 | < 0.0005 ± 0.00062                | -                                   | -                                     |
| Other Halogenated compounds Trace (drinkingwater) in SVOC Water      |                  |                                    |                                   |                                     |                                       |
| 1,2-Dichlorobenzene                                                  | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | ≤ 0.001 (Taste)<br>≤ 0.002 (Odour)  | 1.5                                   |
| 1,3-Dichlorobenzene                                                  | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| 1,4-Dichlorobenzene                                                  | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | ≤ 0.0003 (Odour)<br>≤ 0.006 (Taste) | 0.4                                   |
| Other Halogenated compounds Trace (non-drinkingwater) in SVOC        |                  |                                    |                                   |                                     |                                       |
| Hexachlorobutadiene                                                  | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | 0.0007                                |
| Hexachloroethane                                                     | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| 1,2,4-Trichlorobenzene                                               | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | ≤ 0.005                             | -                                     |
| Other SVOC Trace in SVOC Water Samples by GC-MS/MS                   |                  |                                    |                                   |                                     |                                       |
| Benzyl alcohol                                                       | g/m <sup>3</sup> | < 0.0005 ± 0.0017                  | < 0.0005 ± 0.0017                 | -                                   | -                                     |
| Carbazole                                                            | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| Dibenzofuran                                                         | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| Isophorone                                                           | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| Tributyl Tin in Water samples by LC-MS/MS                            |                  |                                    |                                   |                                     |                                       |
| Tributyltin (as Sn)                                                  | g/m <sup>3</sup> | < 0.00004 ± 0.000013               | < 0.00004 ± 0.000013              | -                                   | -                                     |
| Triphenyltin (as Sn)                                                 | g/m <sup>3</sup> | < 0.00003 ± 0.0000078              | < 0.00003 ± 0.0000078             | -                                   | -                                     |
| BTEX in VOC Water by Headspace GC-MS                                 |                  |                                    |                                   |                                     |                                       |
| Benzene                                                              | g/m <sup>3</sup> | < 0.0003 ± 0.00032                 | < 0.0003 ± 0.00032                | -                                   | 0.01                                  |
| Ethylbenzene                                                         | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | ≤ 0.002 (Odour)<br>≤ 0.08 (Taste)   | 0.3                                   |
| Toluene                                                              | g/m <sup>3</sup> | < 0.0003 ± 0.00060                 | < 0.0003 ± 0.00060                | ≤ 0.03 (Odour)<br>≤ 0.04 (Taste)    | 0.8                                   |
| m&p-Xylene                                                           | g/m <sup>3</sup> | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| o-Xylene                                                             | g/m <sup>3</sup> | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| Halogenated Aliphatics in VOC Water by Headspace GC-MS               |                  |                                    |                                   |                                     |                                       |
| Bromomethane (Methyl Bromide)                                        | g/m <sup>3</sup> | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |

| Sample Type: Aqueous                                      |      |                                    |                                   |                                     |                                       |
|-----------------------------------------------------------|------|------------------------------------|-----------------------------------|-------------------------------------|---------------------------------------|
| Sample Name:                                              |      | Maitai Dam 11-Jun-2026<br>10:05 am | Roding Dam 11-Jun-2026<br>8:00 am | Aesthetic<br>Values                 | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                               |      | 4240937.3                          | 4240937.4                         |                                     |                                       |
| Halogenated Aliphatics in VOC Water by Headspace GC-MS    |      |                                    |                                   |                                     |                                       |
| Carbon tetrachloride                                      | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                                   | 0.005                                 |
| Chloroethane                                              | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| Chloromethane                                             | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| 1,2-Dibromo-3-chloropropane                               | g/m³ | < 0.0003 ± 0.00026                 | < 0.0003 ± 0.00026                | -                                   | 0.001                                 |
| 1,2-Dibromoethane (ethylene dibromide, EDB)               | g/m³ | < 0.0003 ± 0.00025                 | < 0.0003 ± 0.00025                | -                                   | 0.0004                                |
| Dibromomethane                                            | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| Dichlorodifluoromethane                                   | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                                   | -                                     |
| 1,1-Dichloroethane                                        | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| 1,2-Dichloroethane                                        | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                                   | 0.03                                  |
| 1,1-Dichloroethene                                        | g/m³ | < 0.0003 ± 0.00032                 | < 0.0003 ± 0.00032                | -                                   | -                                     |
| cis-1,2-Dichloroethene                                    | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| trans-1,2-Dichloroethene                                  | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                                   | -                                     |
| Dichloromethane (methylene chloride)                      | g/m³ | < 0.010 ± 0.0067                   | < 0.010 ± 0.0067                  | -                                   | 0.02                                  |
| 1,2-Dichloropropane                                       | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | 0.05                                  |
| 1,3-Dichloropropane                                       | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| 1,1-Dichloropropene                                       | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| cis-1,3-Dichloropropene                                   | g/m³ | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| trans-1,3-Dichloropropene                                 | g/m³ | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| Hexachlorobutadiene                                       | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                                   | 0.0007                                |
| 1,1,1,2-Tetrachloroethane                                 | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| 1,1,2,2-Tetrachloroethane                                 | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| Tetrachloroethene (tetrachloroethylene)                   | g/m³ | < 0.0003 ± 0.00032                 | < 0.0003 ± 0.00032                | -                                   | 0.05                                  |
| 1,1,1-Trichloroethane                                     | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                                   | -                                     |
| 1,1,2-Trichloroethane                                     | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| Trichloroethene (trichloroethylene)                       | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | 0.03                                  |
| Trichlorofluoromethane                                    | g/m³ | < 0.0003 ± 0.00032                 | < 0.0003 ± 0.00032                | -                                   | -                                     |
| 1,2,3-Trichloropropane                                    | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| 1,1,2-Trichlorotrifluoroethane (Freon 113)                | g/m³ | < 0.0003 ± 0.00027                 | < 0.0003 ± 0.00027                | -                                   | -                                     |
| Vinyl chloride                                            | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                                   | 0.0003                                |
| Halogenated Aromatics in VOC Water by Headspace GC-MS     |      |                                    |                                   |                                     |                                       |
| Chlorobenzene (monochlorobenzene)                         | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | ≤ 0.01                              | -                                     |
| 1,2-Dichlorobenzene                                       | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | ≤ 0.001 (Taste)<br>≤ 0.002 (Odour)  | 1.5                                   |
| 1,3-Dichlorobenzene                                       | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| 1,4-Dichlorobenzene                                       | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | ≤ 0.0003 (Odour)<br>≤ 0.006 (Taste) | 0.4                                   |
| 1,2,3-Trichlorobenzene                                    | g/m³ | < 0.0003 ± 0.00029                 | < 0.0003 ± 0.00029                | ≤ 0.01                              | -                                     |
| 1,2,4-Trichlorobenzene                                    | g/m³ | < 0.0003 ± 0.00029                 | < 0.0003 ± 0.00029                | ≤ 0.005                             | -                                     |
| 1,3,5-Trichlorobenzene                                    | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | ≤ 0.05                              | -                                     |
| Bromobenzene                                              | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| 2-Chlorotoluene                                           | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| 4-Chlorotoluene                                           | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS |      |                                    |                                   |                                     |                                       |
| n-Butylbenzene                                            | g/m³ | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| tert-Butylbenzene                                         | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| 4-Isopropyltoluene (p-Cymene)                             | g/m³ | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| Isopropylbenzene (Cumene)                                 | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| n-Propylbenzene                                           | g/m³ | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                                   | -                                     |
| sec-Butylbenzene                                          | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| Styrene                                                   | g/m³ | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | ≤ 0.004                             | 0.03                                  |
| 1,2,4-Trimethylbenzene                                    | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| 1,3,5-Trimethylbenzene                                    | g/m³ | < 0.0003 ± 0.00031                 | < 0.0003 ± 0.00031                | -                                   | -                                     |
| Ketones in VOC Water by Headspace GC-MS                   |      |                                    |                                   |                                     |                                       |
| Acetone                                                   | g/m³ | < 0.05 ± 0.034                     | < 0.05 ± 0.034                    | -                                   | -                                     |

| Sample Type: Aqueous                            |      |                                    |                                   |                     |                                       |
|-------------------------------------------------|------|------------------------------------|-----------------------------------|---------------------|---------------------------------------|
| Sample Name:                                    |      | Maitai Dam 11-Jun-2026<br>10:05 am | Roding Dam 11-Jun-2026<br>8:00 am | Aesthetic<br>Values | Maximum<br>Acceptable<br>Values (MAV) |
| Lab Number:                                     |      | 4240937.3                          | 4240937.4                         |                     |                                       |
| Ketones in VOC Water by Headspace GC-MS         |      |                                    |                                   |                     |                                       |
| 2-Butanone (MEK)                                | g/m³ | < 0.05 ± 0.016                     | < 0.05 ± 0.016                    | -                   | -                                     |
| Methyl tert-butylether (MTBE)                   | g/m³ | < 0.0003 ± 0.0031                  | < 0.0003 ± 0.0031                 | -                   | -                                     |
| 4-Methylpentan-2-one (MIBK)                     | g/m³ | < 0.010 ± 0.0045                   | < 0.010 ± 0.0045                  | -                   | -                                     |
| Trihalomethanes in VOC Water by Headspace GC-MS |      |                                    |                                   |                     |                                       |
| Bromodichloromethane                            | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                   | 0.06                                  |
| Bromoform (tribromomethane)                     | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                   | 0.1                                   |
| Chloroform (Trichloromethane)                   | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                   | 0.4                                   |
| Dibromochloromethane                            | g/m³ | < 0.0003 ± 0.00030                 | < 0.0003 ± 0.00030                | -                   | 0.15                                  |
| Other VOC in Water by Headspace GC-MS           |      |                                    |                                   |                     |                                       |
| Carbon disulphide                               | g/m³ | < 0.0005 ± 0.0031                  | < 0.0005 ± 0.0031                 | -                   | -                                     |
| Naphthalene                                     | g/m³ | < 0.0005 ± 0.00034                 | < 0.0005 ± 0.00034                | -                   | -                                     |

| Sample Name:                                                |               | Supernatant Pond 4 11-Jun-2026 8:55 am |  | Aesthetic<br>Values | Maximum<br>Acceptable<br>Values (MAV) |
|-------------------------------------------------------------|---------------|----------------------------------------|--|---------------------|---------------------------------------|
| Lab Number:                                                 |               | 4240937.5                              |  |                     |                                       |
| Individual Tests                                            |               |                                        |  |                     |                                       |
| True Hazen Colour                                           | Hazen units   | < 10 ± 6.7                             |  | ≤ 15                | -                                     |
| Total Alkalinity                                            | g/m³ as CaCO₃ | 51.9 ± 2.2                             |  | -                   | -                                     |
| Total Hardness                                              | g/m³ as CaCO₃ | 53.4 ± 2.6                             |  | ≤ 200               | -                                     |
| Dissolved Calcium                                           | g/m³          | 14.52 ± 0.91                           |  | -                   | -                                     |
| Dissolved Magnesium                                         | g/m³          | 4.17 ± 0.28 <sup>#1</sup>              |  | -                   | -                                     |
| Total Cyanide                                               | g/m³          | < 0.002 ± 0.0017                       |  | -                   | 0.6                                   |
| Chloride                                                    | g/m³          | 7.00 ± 0.48                            |  | ≤ 250               | -                                     |
| Fluoride                                                    | g/m³          | < 0.05 ± 0.041                         |  | -                   | 1.5                                   |
| Total Ammoniacal-N                                          | g/m³          | < 0.010 ± 0.0067                       |  | ≤ 1.2               | -                                     |
| Nitrite-N                                                   | g/m³          | < 0.002 ± 0.0014                       |  | -                   | 0.91                                  |
| Nitrate-N                                                   | g/m³          | 0.0774 ± 0.0095                        |  | -                   | 11.3                                  |
| Nitrate-N + Nitrite-N                                       | g/m³          | 0.0775 ± 0.0094                        |  | -                   | -                                     |
| Dissolved Reactive Phosphorus                               | g/m³          | < 0.004 ± 0.0027                       |  | -                   | -                                     |
| Sulphate                                                    | g/m³          | 1.35 ± 0.35                            |  | ≤ 250               | -                                     |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |               |                                        |  |                     |                                       |
| Acetochlor                                                  | g/m³          | < 0.00004 ± 0.00042                    |  | -                   | -                                     |
| Alachlor                                                    | g/m³          | < 0.00004 ± 0.00018                    |  | -                   | 0.02                                  |
| Atrazine                                                    | g/m³          | < 0.00004 ± 0.000024                   |  | -                   | 0.002                                 |
| Atrazine-desethyl                                           | g/m³          | < 0.00004 ± 0.00041                    |  | -                   | -                                     |
| Atrazine-desisopropyl                                       | g/m³          | < 0.00008 ± 0.00018                    |  | -                   | -                                     |
| Azaconazole                                                 | g/m³          | < 0.00002 ± 0.0000071                  |  | -                   | -                                     |
| Azinphos-methyl                                             | g/m³          | < 0.00008 ± 0.000036                   |  | -                   | 0.004                                 |
| Benalaxyl                                                   | g/m³          | < 0.00002 ± 0.0000094                  |  | -                   | -                                     |
| Bitertanol                                                  | g/m³          | < 0.00008 ± 0.000048                   |  | -                   | -                                     |
| Bromacil                                                    | g/m³          | < 0.00004 ± 0.000025                   |  | -                   | 0.4                                   |
| Bromopropylate                                              | g/m³          | < 0.00004 ± 0.000022                   |  | -                   | -                                     |
| Butachlor                                                   | g/m³          | < 0.00004 ± 0.000021                   |  | -                   | -                                     |
| Captan                                                      | g/m³          | < 0.00008 ± 0.000060                   |  | -                   | -                                     |
| Carbaryl                                                    | g/m³          | < 0.00004 ± 0.000021                   |  | -                   | -                                     |
| Carbofenothion                                              | g/m³          | < 0.00004 ± 0.000022                   |  | -                   | -                                     |
| Carbofuran                                                  | g/m³          | < 0.00004 ± 0.000022                   |  | -                   | 0.008                                 |
| Chlorfluazuron                                              | g/m³          | < 0.00004 ± 0.000032                   |  | -                   | -                                     |
| Chlorothalonil                                              | g/m³          | < 0.00004 ± 0.000022                   |  | -                   | -                                     |
| Chlorpyrifos                                                | g/m³          | < 0.00004 ± 0.000022                   |  | -                   | 0.04                                  |
| Chlorpyrifos-methyl                                         | g/m³          | < 0.00004 ± 0.000022                   |  | -                   | -                                     |
| Chlortoluron                                                | g/m³          | < 0.00008 ± 0.000062                   |  | -                   | 0.04                                  |
| Cyanazine                                                   | g/m³          | < 0.00004 ± 0.000021                   |  | -                   | 0.0007                                |
| Cyfluthrin                                                  | g/m³          | < 0.00004 ± 0.000027                   |  | -                   | -                                     |
| Cyhalothrin                                                 | g/m³          | < 0.00004 ± 0.000022                   |  | -                   | -                                     |
| Cypermethrin                                                | g/m³          | < 0.00008 ± 0.000043                   |  | -                   | -                                     |

| Sample Type: Aqueous                                        |      |                                        |                  |                                 |
|-------------------------------------------------------------|------|----------------------------------------|------------------|---------------------------------|
| Sample Name:                                                |      | Supernatant Pond 4 11-Jun-2026 8:55 am | Aesthetic Values | Maximum Acceptable Values (MAV) |
| Lab Number:                                                 |      | 4240937.5                              |                  |                                 |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |      |                                        |                  |                                 |
| Deltamethrin (including Tralomethrin)                       | g/m³ | < 0.00006 ± 0.000027                   | -                | -                               |
| Diazinon                                                    | g/m³ | < 0.00002 ± 0.0000083                  | -                | -                               |
| Dichlofluanid                                               | g/m³ | < 0.00004 ± 0.00018                    | -                | -                               |
| Dichloran                                                   | g/m³ | < 0.0002 ± 0.000089                    | -                | -                               |
| Dichlorvos                                                  | g/m³ | < 0.00008 ± 0.00018                    | -                | -                               |
| Difenoconazole                                              | g/m³ | < 0.00008 ± 0.000043                   | -                | -                               |
| Dimethoate                                                  | g/m³ | < 0.00008 ± 0.000057                   | -                | 0.008                           |
| Diphenylamine                                               | g/m³ | < 0.00008 ± 0.00018                    | -                | -                               |
| Diuron                                                      | g/m³ | < 0.00004 ± 0.000023                   | -                | 0.02                            |
| Fenpropimorph                                               | g/m³ | < 0.00004 ± 0.000022                   | -                | -                               |
| Fluazifop-butyl                                             | g/m³ | < 0.00004 ± 0.000022                   | -                | -                               |
| Fluometuron                                                 | g/m³ | < 0.00004 ± 0.000026                   | -                | -                               |
| Flusilazole                                                 | g/m³ | < 0.00004 ± 0.000028                   | -                | -                               |
| Fluvalinate                                                 | g/m³ | < 0.00004 ± 0.000011                   | -                | -                               |
| Furalaxyl                                                   | g/m³ | < 0.00002 ± 0.0000079                  | -                | -                               |
| Haloxypop-methyl                                            | g/m³ | < 0.00004 ± 0.000027                   | -                | -                               |
| Hexaconazole                                                | g/m³ | < 0.00004 ± 0.000060                   | -                | -                               |
| Hexazinone                                                  | g/m³ | < 0.00002 ± 0.000017                   | -                | 0.4                             |
| IPBC (3-Iodo-2-propynyl-n-butylcarbamate)                   | g/m³ | < 0.0002 ± 0.00011                     | -                | -                               |
| Kresoxim-methyl                                             | g/m³ | < 0.00002 ± 0.000019                   | -                | -                               |
| Linuron                                                     | g/m³ | < 0.00005 ± 0.000021                   | -                | -                               |
| Malathion                                                   | g/m³ | < 0.00004 ± 0.000022                   | -                | -                               |
| Metalaxyl                                                   | g/m³ | < 0.00004 ± 0.000023                   | -                | 0.3                             |
| Metolachlor                                                 | g/m³ | < 0.00004 ± 0.000021                   | -                | 0.01                            |
| Metribuzin                                                  | g/m³ | < 0.00004 ± 0.000027                   | -                | 0.07                            |
| Molinate                                                    | g/m³ | < 0.00008 ± 0.000030                   | -                | 0.007                           |
| Myclobutanil                                                | g/m³ | < 0.00004 ± 0.000033                   | -                | -                               |
| Naled                                                       | g/m³ | < 0.0002 ± 0.000056                    | -                | -                               |
| Norflurazon                                                 | g/m³ | < 0.00008 ± 0.000028                   | -                | -                               |
| Oxadiazon                                                   | g/m³ | < 0.00004 ± 0.000022                   | -                | 0.2                             |
| Oxyfluorfen                                                 | g/m³ | < 0.00002 ± 0.000019                   | -                | -                               |
| Paclobutrazol                                               | g/m³ | < 0.00004 ± 0.000023                   | -                | -                               |
| Parathion-ethyl                                             | g/m³ | < 0.00004 ± 0.000022                   | -                | -                               |
| Parathion-methyl                                            | g/m³ | < 0.00004 ± 0.000022                   | -                | -                               |
| Pendimethalin                                               | g/m³ | < 0.00004 ± 0.000051                   | -                | 0.02                            |
| Permethrin                                                  | g/m³ | < 0.00002 ± 0.000020                   | -                | -                               |
| Pirimicarb                                                  | g/m³ | < 0.00004 ± 0.000015                   | -                | -                               |
| Pirimiphos-methyl                                           | g/m³ | < 0.00004 ± 0.000024                   | -                | 0.1                             |
| Prochloraz                                                  | g/m³ | < 0.0002 ± 0.000059                    | -                | -                               |
| Procymidone                                                 | g/m³ | < 0.00004 ± 0.000021                   | -                | 0.7                             |
| Prometryn                                                   | g/m³ | < 0.00002 ± 0.000020                   | -                | -                               |
| Propachlor                                                  | g/m³ | < 0.00004 ± 0.000024                   | -                | -                               |
| Propanil                                                    | g/m³ | < 0.0002 ± 0.000056                    | -                | -                               |
| Propazine                                                   | g/m³ | < 0.00002 ± 0.000020                   | -                | 0.07                            |
| Propiconazole                                               | g/m³ | < 0.00004 ± 0.000033                   | -                | -                               |
| Pyriproxyfen                                                | g/m³ | < 0.00004 ± 0.000033                   | -                | 0.4                             |
| Quizalofop-ethyl                                            | g/m³ | < 0.00004 ± 0.000022                   | -                | -                               |
| Simazine                                                    | g/m³ | < 0.00004 ± 0.000013                   | -                | 0.002                           |
| Simetryn                                                    | g/m³ | < 0.00004 ± 0.000022                   | -                | -                               |
| Sulfentrazone                                               | g/m³ | < 0.0002 ± 0.000056                    | -                | -                               |
| TCMTB [2-(thiocyanomethylthio) benzothiazole,Busan]         | g/m³ | < 0.00008 ± 0.000032                   | -                | -                               |
| Tebuconazole                                                | g/m³ | < 0.00004 ± 0.000059                   | -                | -                               |
| Terbacil                                                    | g/m³ | < 0.00004 ± 0.000032                   | -                | 0.04                            |
| Terbumeton                                                  | g/m³ | < 0.00004 ± 0.000021                   | -                | -                               |

| Sample Type: Aqueous                                        |      |                                        |                                     |                                 |
|-------------------------------------------------------------|------|----------------------------------------|-------------------------------------|---------------------------------|
| Sample Name:                                                |      | Supernatant Pond 4 11-Jun-2026 8:55 am | Aesthetic Values                    | Maximum Acceptable Values (MAV) |
| Lab Number:                                                 |      | 4240937.5                              |                                     |                                 |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |      |                                        |                                     |                                 |
| Terbuthylazine                                              | g/m³ | < 0.00002 ± 0.0000079                  | -                                   | 0.008                           |
| Terbuthylazine-desethyl                                     | g/m³ | < 0.00004 ± 0.000038                   | -                                   | -                               |
| Terbutryn                                                   | g/m³ | < 0.00004 ± 0.000023                   | -                                   | -                               |
| Thiabendazole                                               | g/m³ | < 0.0002 ± 0.000063                    | -                                   | 0.4                             |
| Thiobencarb                                                 | g/m³ | < 0.00004 ± 0.000022                   | -                                   | -                               |
| Tolyfluanid                                                 | g/m³ | < 0.00002 ± 0.000019                   | -                                   | -                               |
| Triazophos                                                  | g/m³ | < 0.00004 ± 0.000032                   | -                                   | -                               |
| Trifluralin                                                 | g/m³ | < 0.00004 ± 0.000027                   | -                                   | 0.03                            |
| Vinclozolin                                                 | g/m³ | < 0.00004 ± 0.000048                   | -                                   | -                               |
| Drinking water metals suite, totals, trace                  |      |                                        |                                     |                                 |
| Total Aluminium                                             | g/m³ | 0.308 ± 0.044                          | ≤ 0.1                               | 1                               |
| Total Antimony                                              | g/m³ | < 0.00021 ± 0.00014                    | -                                   | 0.02                            |
| Total Arsenic                                               | g/m³ | < 0.0011 ± 0.00074                     | -                                   | 0.01                            |
| Total Barium                                                | g/m³ | < 0.0053 ± 0.0036                      | -                                   | 1.5                             |
| Total Beryllium                                             | g/m³ | < 0.00011 ± 0.000074                   | -                                   | -                               |
| Total Boron                                                 | g/m³ | < 0.053 ± 0.036                        | -                                   | 2.4                             |
| Total Cadmium                                               | g/m³ | < 0.000053 ± 0.000036                  | -                                   | 0.004                           |
| Total Calcium                                               | g/m³ | 14.57 ± 0.59                           | -                                   | -                               |
| Total Chromium                                              | g/m³ | 0.00228 ± 0.00040                      | -                                   | 0.05                            |
| Total Copper                                                | g/m³ | < 0.00053 ± 0.00036                    | ≤ 1                                 | 2                               |
| Total Iron                                                  | g/m³ | 0.046 ± 0.016                          | ≤ 0.3                               | -                               |
| Total Lead                                                  | g/m³ | < 0.00011 ± 0.000074                   | -                                   | 0.01                            |
| Total Lithium                                               | g/m³ | 0.00082 ± 0.00017                      | -                                   | -                               |
| Total Magnesium                                             | g/m³ | 4.00 ± 0.33 #1                         | -                                   | -                               |
| Total Manganese                                             | g/m³ | 0.00571 ± 0.00067                      | ≤ 0.04 (Staining)<br>≤ 0.10 (Taste) | 0.4                             |
| Total Mercury                                               | g/m³ | < 0.00011 ± 0.000074                   | -                                   | 0.007                           |
| Total Molybdenum                                            | g/m³ | < 0.00021 ± 0.00015                    | -                                   | -                               |
| Total Nickel                                                | g/m³ | 0.00305 ± 0.00051                      | -                                   | 0.08                            |
| Total Potassium                                             | g/m³ | 0.320 ± 0.041                          | -                                   | -                               |
| Total Selenium                                              | g/m³ | < 0.0011 ± 0.00074                     | -                                   | 0.04                            |
| Total Silver                                                | g/m³ | < 0.00054 ± 0.000090                   | -                                   | -                               |
| Total Sodium                                                | g/m³ | 3.74 ± 0.23                            | ≤ 200                               | -                               |
| Total Tin                                                   | g/m³ | < 0.00053 ± 0.00036                    | -                                   | -                               |
| Total Uranium                                               | g/m³ | < 0.000021 ± 0.000014                  | -                                   | 0.03                            |
| Total Zinc                                                  | g/m³ | < 0.0011 ± 0.00074                     | ≤ 1.5                               | -                               |
| Acid Herbicides Screen in Water by LCMSMS                   |      |                                        |                                     |                                 |
| Acifluorfen                                                 | g/m³ | < 0.0006 ± 0.00022                     | -                                   | -                               |
| Bentazone                                                   | g/m³ | < 0.0004 ± 0.00021                     | -                                   | -                               |
| Bromoxynil                                                  | g/m³ | < 0.0004 ± 0.00021                     | -                                   | -                               |
| Clopyralid                                                  | g/m³ | < 0.0004 ± 0.00021                     | -                                   | -                               |
| 2,4-Dichlorophenoxyacetic acid (24D)                        | g/m³ | < 0.0004 ± 0.00021                     | -                                   | 0.04                            |
| 2,4-Dichlorophenoxybutyric acid (24DB)                      | g/m³ | < 0.0006 ± 0.00028                     | -                                   | 0.1                             |
| Dicamba                                                     | g/m³ | < 0.0006 ± 0.00021                     | -                                   | -                               |
| Dichlorprop                                                 | g/m³ | < 0.0004 ± 0.00021                     | -                                   | 0.1                             |
| Fluazifop                                                   | g/m³ | < 0.0004 ± 0.00021                     | -                                   | -                               |
| Fluroxypyr                                                  | g/m³ | < 0.0004 ± 0.00021                     | -                                   | -                               |
| Haloxypop                                                   | g/m³ | < 0.0004 ± 0.00021                     | -                                   | -                               |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA)                  | g/m³ | < 0.0004 ± 0.00021                     | -                                   | 0.8                             |
| 2-methyl-4-chlorophenoxybutanoic acid (MCPB)                | g/m³ | < 0.0004 ± 0.00021                     | -                                   | -                               |
| Mecoprop                                                    | g/m³ | < 0.0004 ± 0.00021                     | -                                   | 0.01                            |
| Oryzalin                                                    | g/m³ | < 0.0006 ± 0.00023                     | -                                   | 0.4                             |
| 2,3,4,6-Tetrachlorophenol (TCP)                             | g/m³ | < 0.0004 ± 0.00021                     | -                                   | -                               |

| Sample Type: Aqueous                                                |      |                                        |                  |                                 |
|---------------------------------------------------------------------|------|----------------------------------------|------------------|---------------------------------|
| Sample Name:                                                        |      | Supernatant Pond 4 11-Jun-2026 8:55 am | Aesthetic Values | Maximum Acceptable Values (MAV) |
| Lab Number:                                                         |      | 4240937.5                              |                  |                                 |
| Acid Herbicides Screen in Water by LCMSMS                           |      |                                        |                  |                                 |
| 2,4,5-Trichlorophenoxypropionic acid (245TP, Fenoprop, Silvex)      | g/m³ | < 0.0004 ± 0.00021                     | -                | 0.01                            |
| 2,4,5-Trichlorophenoxyacetic acid (245T)                            | g/m³ | < 0.0004 ± 0.00021                     | -                | 0.01                            |
| Pentachlorophenol (PCP)                                             | g/m³ | < 0.0004 ± 0.00021                     | -                | 0.009                           |
| Picloram                                                            | g/m³ | < 0.0004 ± 0.00021                     | -                | 0.2                             |
| Quizalofop                                                          | g/m³ | < 0.0004 ± 0.00021                     | -                | -                               |
| Triclopyr                                                           | g/m³ | < 0.0004 ± 0.00021                     | -                | 0.1                             |
| Haloethers Trace in SVOC Water Samples by GC-MS/MS                  |      |                                        |                  |                                 |
| Bis(2-chloroethoxy) methane                                         | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| Bis(2-chloroethyl)ether                                             | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| Bis(2-chloro-1-methylethyl)ether                                    | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| 4-Bromophenyl phenyl ether                                          | g/m³ | < 0.0003 ± 0.00021                     | -                | -                               |
| 4-Chlorophenyl phenyl ether                                         | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| Nitrogen containing compounds Trace in SVOC Water Samples, GC-MS/MS |      |                                        |                  |                                 |
| 2,4-Dinitrotoluene                                                  | g/m³ | < 0.0005 ± 0.00060                     | -                | -                               |
| 2,6-Dinitrotoluene                                                  | g/m³ | < 0.0005 ± 0.00059                     | -                | -                               |
| Nitrobenzene                                                        | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| N-Nitrosodi-n-propylamine                                           | g/m³ | < 0.0005 ± 0.00058                     | -                | -                               |
| N-Nitrosodiphenylamine + Diphenylamine                              | g/m³ | < 0.0010 ± 0.00067                     | -                | -                               |
| Organochlorine Pesticides Trace in SVOC Water Samples by GC-MS/MS   |      |                                        |                  |                                 |
| Aldrin                                                              | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| alpha-BHC                                                           | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| beta-BHC                                                            | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| delta-BHC                                                           | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| gamma-BHC (Lindane)                                                 | g/m³ | < 0.0005 ± 0.00034                     | -                | 0.002                           |
| 4,4'-DDD                                                            | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| 4,4'-DDE                                                            | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| 4,4'-DDT                                                            | g/m³ | < 0.0005 ± 0.00053                     | -                | -                               |
| Dieldrin                                                            | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| Endosulfan I                                                        | g/m³ | < 0.0005 ± 0.00054                     | -                | -                               |
| Endosulfan II                                                       | g/m³ | < 0.0005 ± 0.00059                     | -                | -                               |
| Endosulfan sulphate                                                 | g/m³ | < 0.0005 ± 0.00054                     | -                | -                               |
| Endrin                                                              | g/m³ | < 0.0005 ± 0.00034                     | -                | 0.001                           |
| Endrin ketone                                                       | g/m³ | < 0.0005 ± 0.00057                     | -                | -                               |
| Heptachlor                                                          | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| Heptachlor epoxide                                                  | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| Hexachlorobenzene                                                   | g/m³ | < 0.0005 ± 0.00034                     | -                | -                               |
| Polycyclic Aromatic Hydrocarbons Trace in SVOC Water Samples        |      |                                        |                  |                                 |
| Acenaphthene                                                        | g/m³ | < 0.0003 ± 0.00021                     | -                | -                               |
| Acenaphthylene                                                      | g/m³ | < 0.0003 ± 0.00021                     | -                | -                               |
| Anthracene                                                          | g/m³ | < 0.0003 ± 0.00021                     | -                | -                               |
| Benzo[a]anthracene                                                  | g/m³ | < 0.0003 ± 0.00021                     | -                | -                               |
| Benzo[a]pyrene (BAP)                                                | g/m³ | < 0.0003 ± 0.00020                     | -                | 0.0007                          |
| Benzo[b]fluoranthene + Benzo[j]fluoranthene                         | g/m³ | < 0.0003 ± 0.00020                     | -                | -                               |
| Benzo[g,h,i]perylene                                                | g/m³ | < 0.0003 ± 0.00020                     | -                | -                               |
| Benzo[k]fluoranthene                                                | g/m³ | < 0.0003 ± 0.00020                     | -                | -                               |
| 1&2-Chloronaphthalene                                               | g/m³ | < 0.0005 ± 0.00032                     | -                | -                               |
| Chrysene                                                            | g/m³ | < 0.0003 ± 0.00021                     | -                | -                               |
| Dibenzo[a,h]anthracene                                              | g/m³ | < 0.0003 ± 0.00020                     | -                | -                               |
| Fluoranthene                                                        | g/m³ | < 0.0003 ± 0.00020                     | -                | -                               |
| Fluorene                                                            | g/m³ | < 0.0003 ± 0.00020                     | -                | -                               |
| Indeno(1,2,3-c,d)pyrene                                             | g/m³ | < 0.0003 ± 0.00020                     | -                | -                               |
| 2-Methylnaphthalene                                                 | g/m³ | < 0.0003 ± 0.00020                     | -                | -                               |
| Naphthalene                                                         | g/m³ | < 0.0003 ± 0.00020                     | -                | -                               |

| Sample Type: Aqueous                                                 |      |                                        |  |                                     |                                 |
|----------------------------------------------------------------------|------|----------------------------------------|--|-------------------------------------|---------------------------------|
| Sample Name:                                                         |      | Supernatant Pond 4 11-Jun-2026 8:55 am |  | Aesthetic Values                    | Maximum Acceptable Values (MAV) |
| Lab Number:                                                          |      | 4240937.5                              |  |                                     |                                 |
| Polycyclic Aromatic Hydrocarbons Trace in SVOC Water Samples         |      |                                        |  |                                     |                                 |
| Phenanthrene                                                         | g/m³ | < 0.0003 ± 0.00021                     |  | -                                   | -                               |
| Pyrene                                                               | g/m³ | < 0.0003 ± 0.00021                     |  | -                                   | -                               |
| Phenols Trace (drinkingwater) in SVOC Water Samples by GC-MS/MS      |      |                                        |  |                                     |                                 |
| 2-Chlorophenol                                                       | g/m³ | < 0.0005 ± 0.00034                     |  | ≤ 0.0001 (Taste)<br>≤ 0.01 (Odour)  | -                               |
| 2,4-Dichlorophenol                                                   | g/m³ | < 0.0005 ± 0.00034                     |  | ≤ 0.0003 (Taste)<br>≤ 0.04 (Odour)  | -                               |
| 2,4,6-Trichlorophenol                                                | g/m³ | < 0.0005 ± 0.00052                     |  | ≤ 0.002 (Taste)<br>≤ 0.3 (Odour)    | 0.2                             |
| Phenols Trace (non-drinkingwater) in SVOC Water Samples by GC-MS/MS  |      |                                        |  |                                     |                                 |
| 4-Chloro-3-methylphenol                                              | g/m³ | < 0.0005 ± 0.00059                     |  | -                                   | -                               |
| 2,4-Dimethylphenol                                                   | g/m³ | < 0.0005 ± 0.00034                     |  | -                                   | -                               |
| 3 & 4-Methylphenol (m- + p-cresol)                                   | g/m³ | < 0.0005 ± 0.00050                     |  | -                                   | -                               |
| 2-Methylphenol (o-Cresol)                                            | g/m³ | < 0.0005 ± 0.00034                     |  | -                                   | -                               |
| 2-Nitrophenol                                                        | g/m³ | < 0.0005 ± 0.00055                     |  | -                                   | -                               |
| Pentachlorophenol (PCP)                                              | g/m³ | < 0.0005 ± 0.0048                      |  | -                                   | 0.009                           |
| Phenol                                                               | g/m³ | < 0.0005 ± 0.00055                     |  | -                                   | -                               |
| 2,4,5-Trichlorophenol                                                | g/m³ | < 0.0005 ± 0.00055                     |  | -                                   | -                               |
| Plasticisers Trace (non-drinkingwater) in SVOC Water by GC-MS/MS     |      |                                        |  |                                     |                                 |
| Butylbenzylphthalate                                                 | g/m³ | < 0.0005 ± 0.00057                     |  | -                                   | -                               |
| Diethylphthalate                                                     | g/m³ | < 0.0005 ± 0.00057                     |  | -                                   | -                               |
| Dimethylphthalate                                                    | g/m³ | < 0.0005 ± 0.00058                     |  | -                                   | -                               |
| Di-n-butylphthalate                                                  | g/m³ | < 0.002 ± 0.00092                      |  | -                                   | -                               |
| Di-n-octylphthalate                                                  | g/m³ | < 0.0005 ± 0.00043                     |  | -                                   | -                               |
| Plasticisers Trace (drinkingwater) in SVOC Water Samples by GC-MS/MS |      |                                        |  |                                     |                                 |
| Bis(2-ethylhexyl)phthalate                                           | g/m³ | < 0.0005 ± 0.0015                      |  | -                                   | 0.009                           |
| Di(2-ethylhexyl)adipate                                              | g/m³ | < 0.0005 ± 0.00062                     |  | -                                   | -                               |
| Other Halogenated compounds Trace (drinkingwater) in SVOC Water      |      |                                        |  |                                     |                                 |
| 1,2-Dichlorobenzene                                                  | g/m³ | < 0.0005 ± 0.00034                     |  | ≤ 0.001 (Taste)<br>≤ 0.002 (Odour)  | 1.5                             |
| 1,3-Dichlorobenzene                                                  | g/m³ | < 0.0005 ± 0.00034                     |  | -                                   | -                               |
| 1,4-Dichlorobenzene                                                  | g/m³ | < 0.0005 ± 0.00034                     |  | ≤ 0.0003 (Odour)<br>≤ 0.006 (Taste) | 0.4                             |
| Other Halogenated compounds Trace (non-drinkingwater) in SVOC        |      |                                        |  |                                     |                                 |
| Hexachlorobutadiene                                                  | g/m³ | < 0.0005 ± 0.00034                     |  | -                                   | 0.0007                          |
| Hexachloroethane                                                     | g/m³ | < 0.0005 ± 0.00034                     |  | -                                   | -                               |
| 1,2,4-Trichlorobenzene                                               | g/m³ | < 0.0005 ± 0.00034                     |  | ≤ 0.005                             | -                               |
| Other SVOC Trace in SVOC Water Samples by GC-MS/MS                   |      |                                        |  |                                     |                                 |
| Benzyl alcohol                                                       | g/m³ | < 0.0005 ± 0.0017                      |  | -                                   | -                               |
| Carbazole                                                            | g/m³ | < 0.0005 ± 0.00034                     |  | -                                   | -                               |
| Dibenzofuran                                                         | g/m³ | < 0.0005 ± 0.00034                     |  | -                                   | -                               |
| Isophorone                                                           | g/m³ | < 0.0005 ± 0.00034                     |  | -                                   | -                               |
| Tributyl Tin in Water samples by LC-MS/MS                            |      |                                        |  |                                     |                                 |
| Tributyltin (as Sn)                                                  | g/m³ | < 0.00004 ± 0.000013                   |  | -                                   | -                               |
| Triphenyltin (as Sn)                                                 | g/m³ | < 0.00003 ± 0.0000078                  |  | -                                   | -                               |
| BTEX in VOC Water by Headspace GC-MS                                 |      |                                        |  |                                     |                                 |
| Benzene                                                              | g/m³ | < 0.0003 ± 0.00032                     |  | -                                   | 0.01                            |
| Ethylbenzene                                                         | g/m³ | < 0.0005 ± 0.00034                     |  | ≤ 0.002 (Odour)<br>≤ 0.08 (Taste)   | 0.3                             |
| Toluene                                                              | g/m³ | < 0.0003 ± 0.00060                     |  | ≤ 0.03 (Odour)<br>≤ 0.04 (Taste)    | 0.8                             |
| m&p-Xylene                                                           | g/m³ | < 0.0005 ± 0.00034                     |  | -                                   | -                               |
| o-Xylene                                                             | g/m³ | < 0.0003 ± 0.00031                     |  | -                                   | -                               |
| Halogenated Aliphatics in VOC Water by Headspace GC-MS               |      |                                        |  |                                     |                                 |
| Bromomethane (Methyl Bromide)                                        | g/m³ | < 0.0003 ± 0.00031                     |  | -                                   | -                               |
| Carbon tetrachloride                                                 | g/m³ | < 0.0003 ± 0.00030                     |  | -                                   | 0.005                           |

| Sample Type: Aqueous                                      |      |                                        |                                     |                                 |
|-----------------------------------------------------------|------|----------------------------------------|-------------------------------------|---------------------------------|
| Sample Name:                                              |      | Supernatant Pond 4 11-Jun-2026 8:55 am | Aesthetic Values                    | Maximum Acceptable Values (MAV) |
| Lab Number:                                               |      | 4240937.5                              |                                     |                                 |
| Halogenated Aliphatics in VOC Water by Headspace GC-MS    |      |                                        |                                     |                                 |
| Chloroethane                                              | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| Chloromethane                                             | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| 1,2-Dibromo-3-chloropropane                               | g/m³ | < 0.0003 ± 0.00026                     | -                                   | 0.001                           |
| 1,2-Dibromoethane (ethylene dibromide, EDB)               | g/m³ | < 0.0003 ± 0.00025                     | -                                   | 0.0004                          |
| Dibromomethane                                            | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| Dichlorodifluoromethane                                   | g/m³ | < 0.0003 ± 0.00030                     | -                                   | -                               |
| 1,1-Dichloroethane                                        | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| 1,2-Dichloroethane                                        | g/m³ | < 0.0003 ± 0.00030                     | -                                   | 0.03                            |
| 1,1-Dichloroethene                                        | g/m³ | < 0.0003 ± 0.00032                     | -                                   | -                               |
| cis-1,2-Dichloroethene                                    | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| trans-1,2-Dichloroethene                                  | g/m³ | < 0.0003 ± 0.00030                     | -                                   | -                               |
| Dichloromethane (methylene chloride)                      | g/m³ | < 0.010 ± 0.0067                       | -                                   | 0.02                            |
| 1,2-Dichloropropane                                       | g/m³ | < 0.0003 ± 0.00031                     | -                                   | 0.05                            |
| 1,3-Dichloropropane                                       | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| 1,1-Dichloropropene                                       | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| cis-1,3-Dichloropropene                                   | g/m³ | < 0.0005 ± 0.00034                     | -                                   | -                               |
| trans-1,3-Dichloropropene                                 | g/m³ | < 0.0005 ± 0.00034                     | -                                   | -                               |
| Hexachlorobutadiene                                       | g/m³ | < 0.0003 ± 0.00030                     | -                                   | 0.0007                          |
| 1,1,1,2-Tetrachloroethane                                 | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| 1,1,2,2-Tetrachloroethane                                 | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| Tetrachloroethene (tetrachloroethylene)                   | g/m³ | < 0.0003 ± 0.00032                     | -                                   | 0.05                            |
| 1,1,1-Trichloroethane                                     | g/m³ | < 0.0003 ± 0.00030                     | -                                   | -                               |
| 1,1,2-Trichloroethane                                     | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| Trichloroethene (trichloroethylene)                       | g/m³ | < 0.0003 ± 0.00031                     | -                                   | 0.03                            |
| Trichlorofluoromethane                                    | g/m³ | < 0.0003 ± 0.00032                     | -                                   | -                               |
| 1,2,3-Trichloropropane                                    | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| 1,1,2-Trichlorotrifluoroethane (Freon 113)                | g/m³ | < 0.0003 ± 0.00027                     | -                                   | -                               |
| Vinyl chloride                                            | g/m³ | < 0.0003 ± 0.00030                     | -                                   | 0.0003                          |
| Halogenated Aromatics in VOC Water by Headspace GC-MS     |      |                                        |                                     |                                 |
| Chlorobenzene (monochlorobenzene)                         | g/m³ | < 0.0003 ± 0.00031                     | ≤ 0.01                              | -                               |
| 1,2-Dichlorobenzene                                       | g/m³ | < 0.0003 ± 0.00031                     | ≤ 0.001 (Taste)<br>≤ 0.002 (Odour)  | 1.5                             |
| 1,3-Dichlorobenzene                                       | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| 1,4-Dichlorobenzene                                       | g/m³ | < 0.0003 ± 0.00031                     | ≤ 0.0003 (Odour)<br>≤ 0.006 (Taste) | 0.4                             |
| 1,2,3-Trichlorobenzene                                    | g/m³ | < 0.0003 ± 0.00029                     | ≤ 0.01                              | -                               |
| 1,2,4-Trichlorobenzene                                    | g/m³ | < 0.0003 ± 0.00029                     | ≤ 0.005                             | -                               |
| 1,3,5-Trichlorobenzene                                    | g/m³ | < 0.0003 ± 0.00031                     | ≤ 0.05                              | -                               |
| Bromobenzene                                              | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| 2-Chlorotoluene                                           | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| 4-Chlorotoluene                                           | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS |      |                                        |                                     |                                 |
| n-Butylbenzene                                            | g/m³ | < 0.0005 ± 0.00034                     | -                                   | -                               |
| tert-Butylbenzene                                         | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| 4-Isopropyltoluene (p-Cymene)                             | g/m³ | < 0.0005 ± 0.00034                     | -                                   | -                               |
| Isopropylbenzene (Cumene)                                 | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| n-Propylbenzene                                           | g/m³ | < 0.0005 ± 0.00034                     | -                                   | -                               |
| sec-Butylbenzene                                          | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| Styrene                                                   | g/m³ | < 0.0005 ± 0.00034                     | ≤ 0.004                             | 0.03                            |
| 1,2,4-Trimethylbenzene                                    | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| 1,3,5-Trimethylbenzene                                    | g/m³ | < 0.0003 ± 0.00031                     | -                                   | -                               |
| Ketones in VOC Water by Headspace GC-MS                   |      |                                        |                                     |                                 |
| Acetone                                                   | g/m³ | < 0.05 ± 0.034                         | -                                   | -                               |
| 2-Butanone (MEK)                                          | g/m³ | < 0.05 ± 0.016                         | -                                   | -                               |
| Methyl tert-butylether (MTBE)                             | g/m³ | < 0.0003 ± 0.0031                      | -                                   | -                               |

| Sample Type: Aqueous                            |                  |                                        |                                 |
|-------------------------------------------------|------------------|----------------------------------------|---------------------------------|
| Sample Name:                                    |                  | Supernatant Pond 4 11-Jun-2026 8:55 am | Aesthetic Values                |
| Lab Number:                                     |                  | 4240937.5                              |                                 |
| Ketones in VOC Water by Headspace GC-MS         |                  |                                        | Maximum Acceptable Values (MAV) |
| 4-Methylpentan-2-one (MIBK)                     | g/m <sup>3</sup> | < 0.010 ± 0.0045                       |                                 |
| Trihalomethanes in VOC Water by Headspace GC-MS |                  |                                        |                                 |
| Bromodichloromethane                            | g/m <sup>3</sup> | < 0.0003 ± 0.00030                     |                                 |
| Bromoform (tribromomethane)                     | g/m <sup>3</sup> | < 0.0003 ± 0.00030                     | 0.06                            |
| Chloroform (Trichloromethane)                   | g/m <sup>3</sup> | 0.0045 ± 0.0016                        | 0.1                             |
| Dibromochloromethane                            | g/m <sup>3</sup> | < 0.0003 ± 0.00030                     | 0.4                             |
| Other VOC in Water by Headspace GC-MS           |                  |                                        | 0.15                            |
| Carbon disulphide                               | g/m <sup>3</sup> | < 0.0005 ± 0.0031                      | -                               |
| Naphthalene                                     | g/m <sup>3</sup> | < 0.0005 ± 0.00034                     | -                               |

**Note:** The Maximum Acceptable Values (MAV) are taken from the 'Water Services (Drinking Water Standards for New Zealand) Regulations 2022', published under the authority of the New Zealand Government-2022. Copies of this publication are available from: <https://www.legislation.govt.nz/regulation/public/2022/0168/latest/whole.html>

The standards set limits for the concentration of determinands in drinking water. The Maximum Acceptable Values (MAVs) for any determinand must not be exceeded at any time.

**Under Section 73 (2) of the Water Services Act 2021, the laboratory is required to report the results of any analysis or test carried out (for the purposes of testing for compliance with the Drinking Water Standards for New Zealand 2022) that indicates any non-compliance (transgression) with the Maximum Acceptable Values (MAVs) to Taumata Arowai, the water services regulator for Aotearoa.**

The Aesthetic Values are taken the publication, 'Aesthetic Values for Drinking Water Notice 2022' issued by the Water Services Regulator ("Taumata Arowai"). Aesthetic values specify or provide minimum or maximum values for substances and other characteristics that relate to the acceptability of drinking water to consumers (such as appearance, taste or odour).

The reported uncertainty is an expanded uncertainty with a level of confidence of approximately 95 percent (i.e. two standard deviations, calculated using a coverage factor of 2). Reported uncertainties are calculated from the performance of typical matrices, and do not include variation due to sampling. For further information on uncertainty of measurement at Hill Laboratories, refer to the technical note on our website: [www.hill-laboratories.com/files/Intro\\_To\\_UOM.pdf](http://www.hill-laboratories.com/files/Intro_To_UOM.pdf), or contact the laboratory.

Note that the units: g/m<sup>3</sup> are the same as mg/L and ppm.

| Analyst's Comments                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| #1 It has been noted that the result for the dissolved fraction was greater than that for the total fraction, but within analytical variation of the methods. |

## Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively simple matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request. Unless otherwise indicated, analyses were performed at Hill Labs, 28 Duke Street, Frankton, Hamilton 3204.

| Sample Type: Aqueous                     |                                                                                                                                                                                                           |                                           |           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------|
| Test                                     | Method Description                                                                                                                                                                                        | Default Detection Limit                   | Sample No |
| Individual Tests                         |                                                                                                                                                                                                           |                                           |           |
| Filtration, Unpreserved                  | Sample filtration through 0.45 µm membrane filter. Analysed at Hill Laboratories - Chemistry; Unit 1, 17 Print Place, Middleton, Christchurch.                                                            | -                                         | 1-5       |
| Total Digestion                          | Nitric acid digestion. APHA 3030 E (modified) : Online Edition.                                                                                                                                           | -                                         | 1-5       |
| Total Digestion with HCl                 | Nitric/hydrochloric acid digestion. APHA 3030 E (modified) : Online Edition.                                                                                                                              | -                                         | 1-5       |
| Total acid digest for Silver analysis    | Boiling nitric / hydrochloric acid digestion (5:1 ratio). APHA 3030 F (modified) : Online Edition.                                                                                                        | -                                         | 1-5       |
| True Hazen Colour                        | Filtered sample. Spectrophotometry. Analysed at Hill Laboratories - Chemistry; Unit 1, 17 Print Place, Middleton, Christchurch. APHA 2120 C (modified) : Online Edition.                                  | 10 Hazen units                            | 1-5       |
| Total Alkalinity                         | Titration to pH 4.5 (M-alkalinity), autotitrator. Analysed at Hill Laboratories - Chemistry; Unit 1, 17 Print Place, Middleton, Christchurch. APHA 2320 B (modified for Alkalinity <20) : Online Edition. | 1.0 g/m <sup>3</sup> as CaCO <sub>3</sub> | 1-5       |
| Total Hardness                           | Calculation from Dissolved Calcium and Dissolved Magnesium. APHA 2340 B : Online Edition.                                                                                                                 | 1.0 g/m <sup>3</sup> as CaCO <sub>3</sub> | 1-5       |
| Filtration for dissolved metals analysis | Sample filtration through 0.45µm membrane filter and preservation with nitric acid. APHA 3030 B : Online Edition.                                                                                         | -                                         | 1-5       |
| Dissolved Calcium                        | Filtered sample, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                                                       | 0.05 g/m <sup>3</sup>                     | 1-5       |

| Sample Type: Aqueous                                         |                                                                                                                                                                                         |                                    |           |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------|
| Test                                                         | Method Description                                                                                                                                                                      | Default Detection Limit            | Sample No |
| Dissolved Magnesium                                          | Filtered sample, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                                     | 0.02 g/m <sup>3</sup>              | 1-5       |
| Total Cyanide Trace                                          | On-line distillation, colorimetry, trace level. ISO 14403:2012(E) (modified).                                                                                                           | 0.002 g/m <sup>3</sup>             | 1-5       |
| Chloride                                                     | Filtered sample from Christchurch. Ion Chromatography. APHA 4110 B (modified) : Online Edition.                                                                                         | 0.5 g/m <sup>3</sup>               | 1-5       |
| Fluoride                                                     | Direct measurement, ion selective electrode. APHA 4500-F <sup>-</sup> C : Online Edition.                                                                                               | 0.05 g/m <sup>3</sup>              | 1-5       |
| Total Ammoniacal-N                                           | Filtered Sample from Christchurch. OPA fluorometry. Flow injection analyser. (NH <sub>4</sub> -N = NH <sub>4</sub> <sup>+</sup> -N + NH <sub>3</sub> -N). In-house (FIALab).            | 0.010 g/m <sup>3</sup>             | 2-5       |
| Nitrite-N                                                    | Filtered sample from Christchurch. Automated Azo dye colorimetry, Flow injection analyser. APHA 4500-NO <sub>2</sub> <sup>-</sup> I (modified) : Online Edition.                        | 0.002 g/m <sup>3</sup>             | 1-5       |
| Nitrate-N                                                    | Calculation: (Nitrate-N + Nitrite-N) - Nitrite-N. In-House.                                                                                                                             | 0.0010 g/m <sup>3</sup>            | 1-5       |
| Nitrate-N + Nitrite-N                                        | Filtered sample from Christchurch. Total oxidised nitrogen. Automated cadmium reduction, flow injection analyser. APHA 4500-NO <sub>3</sub> <sup>-</sup> I (modified) : Online Edition. | 0.002 g/m <sup>3</sup>             | 1-5       |
| Dissolved Reactive Phosphorus                                | Filtered sample from Christchurch. Molybdenum blue colourimetry. Flow injection analyser. APHA 4500-P G (modified) : Online Edition.                                                    | 0.004 g/m <sup>3</sup>             | 2-5       |
| Sulphate                                                     | Filtered sample from Christchurch. Ion Chromatography. APHA 4110 B (modified) : Online Edition.                                                                                         | 0.5 g/m <sup>3</sup>               | 1-5       |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.                                                                                                              | 0.00002 - 0.0002 g/m <sup>3</sup>  | 2-5       |
| Acid Herbicides Screen in Water by LCMSMS                    | LC-MS/MS analysis. In-house.                                                                                                                                                            | 0.0003 - 0.0006 g/m <sup>3</sup>   | 2-5       |
| Semivolatile Organic Compounds Trace in Water by GC-MS/MS    | Liquid / liquid extraction, GC-MS/MS analysis. In-house based on US EPA 8270.                                                                                                           | 0.0003 - 0.002 g/m <sup>3</sup>    | 2-5       |
| Tributyl Tin in Water samples by LC-MS/MS                    | LC-MS/MS analysis. In-house.                                                                                                                                                            | 0.00003 - 0.00004 g/m <sup>3</sup> | 2-5       |
| Volatile Organic Compounds Trace in Water by Headspace GC-MS | Headspace GC-MS analysis. In-house based on US EPA 8260 and 5021.                                                                                                                       | 0.0003 - 0.05 g/m <sup>3</sup>     | 2-5       |
| Drinking water metals suite, totals, trace                   |                                                                                                                                                                                         |                                    |           |
| Total Aluminium                                              | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.0032 g/m <sup>3</sup>            | 1-5       |
| Total Antimony                                               | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.00021 g/m <sup>3</sup>           | 1-5       |
| Total Arsenic                                                | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.0011 g/m <sup>3</sup>            | 1-5       |
| Total Barium                                                 | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.0053 g/m <sup>3</sup>            | 1-5       |
| Total Beryllium                                              | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.00011 g/m <sup>3</sup>           | 1-5       |
| Total Boron                                                  | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.053 g/m <sup>3</sup>             | 1-5       |
| Total Cadmium                                                | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.000053 g/m <sup>3</sup>          | 1-5       |
| Total Calcium                                                | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.053 g/m <sup>3</sup>             | 1-5       |
| Total Chromium                                               | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.00053 g/m <sup>3</sup>           | 1-5       |
| Total Copper                                                 | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.00053 g/m <sup>3</sup>           | 1-5       |
| Total Iron                                                   | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.021 g/m <sup>3</sup>             | 1-5       |
| Total Lead                                                   | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.00011 g/m <sup>3</sup>           | 1-5       |
| Total Lithium                                                | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.00021 g/m <sup>3</sup>           | 1-5       |
| Total Magnesium                                              | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.021 g/m <sup>3</sup>             | 1-5       |
| Total Manganese                                              | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.00053 g/m <sup>3</sup>           | 1-5       |
| Total Mercury                                                | Acid digestion, ICP-MS, screen level. APHA 3125 B : Online Edition.                                                                                                                     | 0.00011 g/m <sup>3</sup>           | 1-5       |
| Total Molybdenum                                             | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                                                                                               | 0.00021 g/m <sup>3</sup>           | 1-5       |

| Sample Type: Aqueous |                                                                                                              |                           |           |
|----------------------|--------------------------------------------------------------------------------------------------------------|---------------------------|-----------|
| Test                 | Method Description                                                                                           | Default Detection Limit   | Sample No |
| Total Nickel         | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                    | 0.00053 g/m <sup>3</sup>  | 1-5       |
| Total Potassium      | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                    | 0.053 g/m <sup>3</sup>    | 1-5       |
| Total Selenium       | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                    | 0.0011 g/m <sup>3</sup>   | 1-5       |
| Total Silver         | Boiling nitric / hydrochloric acid digestion (5:1 ratio), ICP-MS, trace level. APHA 3125 B : Online Edition. | 0.00011 g/m <sup>3</sup>  | 1-5       |
| Total Sodium         | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                    | 0.021 g/m <sup>3</sup>    | 1-5       |
| Total Tin            | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                    | 0.00053 g/m <sup>3</sup>  | 1-5       |
| Total Uranium        | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                    | 0.000021 g/m <sup>3</sup> | 1-5       |
| Total Zinc           | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.                                    | 0.0011 g/m <sup>3</sup>   | 1-5       |

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Testing was completed between 12-Jun-2026 and 24-Jun-2026. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

This certificate of analysis must not be reproduced, except in full, without the written consent of the signatory.

Ara Heron BSc (Tech)  
Client Services Manager - Environmental