



## Certificate of Analysis

|   |  |           |
|---|--|-----------|
| <b>Client:</b> Western BOP District Council | <b>Lab No:</b> 2596262                                     | DWMAVUPv1 |
| <b>Contact:</b> Amber Palmer                | <b>Date Received:</b> 28-Apr-2021                          |           |
| C/- Western BOP District Council            | <b>Date Reported:</b> 11-May-2021                          |           |
| Private Bag 12803                           | <b>Quote No:</b> 109885                                    |           |
| Tauranga Mail Centre                        | <b>Order No:</b> 45722                                     |           |
| Tauranga 3143                               | <b>Client Reference:</b> Raw Water - Eastern Area [2-YRLY] |           |
|   | <b>Submitted By:</b> Amber Palmer                          |           |

### Sample Type: Aqueous

| Sample Name:                 | ESZ2 Muttons - G01667 27-Apr-2021 12:10 pm | Maximum Acceptable Value | Outside Limit             |
|------------------------------|--|--------------------------|---------------------------|
| Lab Number:                  | 2596262.1                                  |                          |                           |
| Individual Tests             |  |                          |                           |
| Turbidity                    | NTU  | 0.300 ± 0.045            | -                         |
| Total Alkalinity             | g/m <sup>3</sup> as CaCO <sub>3</sub>      | 32.9 ± 1.5               | -                         |
| Carbonate                    | g/m <sup>3</sup> at 25°C                   | < 1.0 ± 0.0030           | -                         |
| Bicarbonate                  | g/m <sup>3</sup> at 25°C                   | 40.1 ± 2.2               | -                         |
| Free Carbon Dioxide          | g/m <sup>3</sup> at 25°C                   | 11.6 ± 5.4               | -                         |
| Total Hardness               | g/m <sup>3</sup> as CaCO <sub>3</sub>      | 15.28 ± 0.75             | -                         |
| Total Suspended Solids       | g/m <sup>3</sup>                           | < 3 ± 2.1                | -                         |
| Total Dissolved Solids (TDS) | g/m <sup>3</sup>                           | 154 ± 20                 | -                         |
| Dissolved Aluminium          | g/m <sup>3</sup>                           | < 0.003 ± 0.0021         | -                         |
| Dissolved Antimony           | g/m <sup>3</sup>                           | < 0.0002 ± 0.00014       | -                         |
| Dissolved Arsenic            | g/m <sup>3</sup>                           | < 0.0010 ± 0.00067       | -                         |
| Dissolved Barium             | g/m <sup>3</sup>                           | 0.0417 ± 0.0020          | -                         |
| Total Boron                  | g/m <sup>3</sup>                           | 0.0110 ± 0.0038          | 1.4                       |
| Dissolved Cadmium            | g/m <sup>3</sup>                           | < 0.00005 ± 0.000034     | -                         |
| Total Calcium                | g/m <sup>3</sup>                           | 2.66 ± 0.12              | -                         |
| Dissolved Chromium           | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034       | -                         |
| Total Copper                 | g/m <sup>3</sup>                           | 0.00295 ± 0.00046        | 2                         |
| Total Iron                   | g/m <sup>3</sup>                           | 0.042 ± 0.015            | -                         |
| Dissolved Lead               | g/m <sup>3</sup>                           | < 0.00010 ± 0.000067     | -                         |
| Total Magnesium              | g/m <sup>3</sup>                           | 2.09 ± 0.17              | -                         |
| Total Manganese              | g/m <sup>3</sup>                           | 0.00059 ± 0.00036        | 0.4                       |
| Dissolved Mercury            | g/m <sup>3</sup>                           | < 0.00008 ± 0.000054     | -                         |
| Dissolved Molybdenum         | g/m <sup>3</sup>                           | < 0.0002 ± 0.00014       | -                         |
| Dissolved Nickel             | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034       | -                         |
| Dissolved Selenium           | g/m <sup>3</sup>                           | < 0.0010 ± 0.00067       | -                         |
| Dissolved Silver             | g/m <sup>3</sup>                           | < 0.00010 ± 0.000067     | -                         |
| Total Sodium                 | g/m <sup>3</sup>                           | 12.26 ± 0.74             | -                         |
| Dissolved Tin                | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034       | -                         |
| Total Zinc                   | g/m <sup>3</sup>                           | 0.00484 ± 0.00083        | -                         |
| Bromate                      | g/m <sup>3</sup>                           | < 0.005 ± 0.0034         | 0.01                      |
| Chloride                     | g/m <sup>3</sup>                           | 6.60 ± 0.53              | -                         |
| Fluoride                     | g/m <sup>3</sup>                           | 0.074 ± 0.041            | 1.5                       |
| Total Ammoniacal-N           | g/m <sup>3</sup>                           | < 0.010 ± 0.0067         | -                         |
| Nitrite-N                    | g/m <sup>3</sup>                           | < 0.002 ± 0.0014         | 0.06<br>0.91 (short term) |
| Nitrate-N                    | g/m <sup>3</sup>                           | 0.159 ± 0.020            | 11.3                      |
| Nitrate-N + Nitrite-N        | g/m <sup>3</sup>                           | 0.160 ± 0.020            | -                         |
| Reactive Silica              | g/m <sup>3</sup> as SiO <sub>2</sub>       | 92.1 ± 1.9               | -                         |



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| Sample Type: Aqueous  |  |                       |                          |               |
|---|--|-----------------------|--------------------------|---------------|
| Sample Name:  | ESZ2 Muttons - G01667 27-Apr-2021 12:10 pm |                       | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.1                                  |                       |                          |               |
| Individual Tests  |  |                       |                          |               |
| Sulphate  | g/m <sup>3</sup>                           | 1.73 ± 0.36           | -                        | -             |
| Non-Purgeable Organic Carbon (NPOC)                         | g/m <sup>3</sup>                           | < 0.3 ± 0.20          | -                        | -             |
| Absorbance at 254 nm  | AU cm <sup>-1</sup>                        | < 0.002 ± 0.0021      | -                        | -             |
| Transmittance at 254 nm*                                    | %T, 1 cm cell                              | > 99.5                | -                        | -             |
| Absorbance at 270 nm  | AU cm <sup>-1</sup>                        | < 0.002 ± 0.0021      | -                        | -             |
| Transmittance at 270 nm*                                    | %T, 1 cm cell                              | > 99.5                | -                        | -             |
| Total Coliforms   | cfu / 100mL                                | < 2 #1                | -                        | -             |
| Enterococci   | cfu / 100mL                                | < 1 #1                | -                        | -             |
| Faecal Coliforms and E. coli profile                        |  |                       |                          |               |
| Faecal Coliforms  | cfu / 100mL                                | < 1 #1                | -                        | -             |
| Escherichia coli  | cfu / 100mL                                | < 1 #1                | < 1                      | No            |
| Hazen Colour Profile  |  |                       |                          |               |
| Apparent Hazen Colour                                       | Hazen units                                | < 10 ± 20             | -                        | -             |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |  |                       |                          |               |
| Acetochlor  | g/m <sup>3</sup>                           | < 0.00004 ± 0.00042   | -                        | -             |
| Alachlor  | g/m <sup>3</sup>                           | < 0.00004 ± 0.00018   | 0.02                     | No            |
| Atrazine  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000024  | 0.002                    | No            |
| Atrazine-desethyl   | g/m <sup>3</sup>                           | < 0.00004 ± 0.00041   | -                        | -             |
| Atrazine-desisopropyl                                       | g/m <sup>3</sup>                           | < 0.00008 ± 0.00018   | -                        | -             |
| Azaconazole   | g/m <sup>3</sup>                           | < 0.00002 ± 0.0000071 | -                        | -             |
| Azinphos-methyl   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000036  | 0.004                    | No            |
| Benalaxyl   | g/m <sup>3</sup>                           | < 0.00002 ± 0.0000094 | -                        | -             |
| Bitertanol  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000048  | -                        | -             |
| Bromacil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000025  | 0.4                      | No            |
| Bromopropylate  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Butachlor   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Captan  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000060  | -                        | -             |
| Carbaryl  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Carbofenthion   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Carbofuran  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | 0.008                    | No            |
| Chlorfluazuron  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000032  | -                        | -             |
| Chlorothalonil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Chlorpyrifos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | 0.04                     | No            |
| Chlorpyrifos-methyl   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Chlortoluron  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000062  | 0.04                     | No            |
| Cyanazine   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | 0.0007                   | No            |
| Cyfluthrin  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027  | -                        | -             |
| 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                    | No            |
| Diphenylamine   | g/m <sup>3</sup>                           | < 0.00008 ± 0.00018   | -                        | -             |
| Diuron  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023  | 0.02                     | No            |
| 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  | -                        | -             |

| Sample Type: Aqueous  |  |                      |                          |               |
|---|--|----------------------|--------------------------|---------------|
| Sample Name:  | ESZ2 Muttons - G01667 27-Apr-2021 12:10 pm |                      | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.1                                  |                      |                          |               |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |  |                      |                          |               |
| Hexaconazole  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000060 | -                        | -             |
| Hexazinone  | g/m <sup>3</sup>                           | < 0.00002 ± 0.000017 | 0.4                      | No            |
| 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 | 0.1                      | No            |
| Metolachlor   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021 | 0.01                     | No            |
| Metribuzin  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027 | 0.07                     | No            |
| Molinate  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000030 | 0.007                    | No            |
| 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                      | No            |
| 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                     | No            |
| 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                      | No            |
| Prochloraz  | g/m <sup>3</sup>                           | < 0.0002 ± 0.000059  | -                        | -             |
| Procymidone   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021 | 0.7                      | No            |
| 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                     | No            |
| Propiconazole   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000033 | -                        | -             |
| Pyriproxyfen  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000033 | 0.4                      | No            |
| Quizalofop-ethyl  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022 | -                        | -             |
| Simazine  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000013 | 0.002                    | No            |
| 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 | -                        | -             |
| Terbacil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000032 | 0.04                     | No            |
| Terbufos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000011 | -                        | -             |
| Terbumeton  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021 | -                        | -             |
| Terbutylazine   | g/m <sup>3</sup>                           | < 0.00002 ± 0.000079 | 0.008                    | No            |
| Terbutylazine-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                      | No            |
| 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                     | No            |
| Vinclozolin   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000048 | -                        | -             |
| Hydrogen sulphide trace level profile*                      |  |                      |                          |               |
| pH  | pH Units                                   | 6.8 ± 0.2            | -                        | -             |
| Electrical Conductivity (EC)                                | mS/m                                       | 8.9 ± 0.2            | -                        | -             |
| Sample Temperature*   | °C   | 20.0                 | -                        | -             |
| Un-ionised hydrogen sulphide                                | g/m <sup>3</sup>                           | < 0.002              | -                        | -             |
| Total Sulphide  | g/m <sup>3</sup>                           | < 0.002 ± 0.0014     | -                        | -             |

| Sample Type: Aqueous  |  |                       |                          |               |
|---|--|-----------------------|--------------------------|---------------|
| Sample Name:  | ESZ2 Muttons - G01667 27-Apr-2021 12:10 pm |                       | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.1                                  |                       |                          |               |
| Acid Herbicides Screen in Water by LCMSMS                       |  |                       |                          |               |
| Acifluorfen   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| 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                     | No            |
| 2,4-Dichlorophenoxybutyric acid (24DB)                          | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.1                      | No            |
| Dicamba   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| Dichlorprop   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.1                      | No            |
| 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    | 0.002                    | No            |
| 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                     | No            |
| Oryzalin  | g/m <sup>3</sup>                           | < 0.0006 ± 0.00023    | 0.4                      | No            |
| 2,3,4,6-Tetrachlorophenol (TCP)                                 | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| 2,4,5-trichlorophenoxypropionic acid (245TP,Fenoprop, Silvex)   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.01                     | No            |
| 2,4,5-Trichlorophenoxyacetic acid (245T)                        | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.01                     | No            |
| Pentachlorophenol (PCP)   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.009                    | No            |
| Picloram  | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.2                      | No            |
| Quizalofop  | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| Triclopyr   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.1                      | No            |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |  |                       |                          |               |
| Bendiocarb  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Benodanil   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000039  | -                        | -             |
| Bifenthrin  | g/m <sup>3</sup>                           | < 0.00002 ± 0.0000079 | -                        | -             |
| Bromophos-ethyl   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Bupirimate  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Buprofezin  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Captafol  | g/m <sup>3</sup>                           | < 0.0002 ± 0.00014    | -                        | -             |
| Carbofenthion   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Carboxin  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000024  | -                        | -             |
| Chlorfenvinphos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Chlorpropham  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000034  | -                        | -             |
| Chlozolinate  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Coumaphos   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000038  | -                        | -             |
| Cyproconazole   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Cyprodinil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027  | -                        | -             |
| Demeton-S-methyl  | g/m <sup>3</sup>                           | < 0.00008 ± 0.00018   | -                        | -             |
| Dichlobenil   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Dichlofenthion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Dicofol   | g/m <sup>3</sup>                           | < 0.0002 ± 0.00014    | -                        | -             |
| Dicrotophos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Dinocap   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00012    | -                        | -             |
| Disulfoton  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023  | -                        | -             |
| EPN   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000026  | -                        | -             |
| Esfenvalerate   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Ethion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Etrimfos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Famphur   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Fenamiphos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Fenarimol   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023  | -                        | -             |
| Fenitrothion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |

| Sample Type: Aqueous  |  |                        |                          |               |
|---|--|------------------------|--------------------------|---------------|
| Sample Name:  | ESZ2 Muttons - G01667 27-Apr-2021 12:10 pm |                        | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.1                                  |                        |                          |               |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |  |                        |                          |               |
| Fenprothrin   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Fensulfothion   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000026   | -                        | -             |
| Fenthion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000024   | -                        | -             |
| Fenvalerate   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Folpet  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000027   | -                        | -             |
| Hexythiazox   | g/m <sup>3</sup>                           | < 0.0002 ± 0.000071    | -                        | -             |
| Imazalil  | g/m <sup>3</sup>                           | < 0.0002 ± 0.000059    | -                        | -             |
| Indoxacarb  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Iodofenphos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000015   | -                        | -             |
| Isazophos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000025   | -                        | -             |
| Isofenphos  | g/m <sup>3</sup>                           | < 0.00002 ± 0.000018   | -                        | -             |
| Leptophos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023   | -                        | -             |
| Methacrifos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Methidathion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Methiocarb  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000033   | -                        | -             |
| Mevinphos   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000040   | -                        | -             |
| Nitrofen  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000034   | -                        | -             |
| Nitrothal-Isopropyl   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023   | -                        | -             |
| Oxychlordane  | g/m <sup>3</sup>                           | < 0.00002 ± 0.000033   | -                        | -             |
| Penconazole   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Phorate   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000028   | -                        | -             |
| Phosmet   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Phosphamidon  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000057   | -                        | -             |
| Propetamphos  | g/m <sup>3</sup>                           | < 0.00006 ± 0.000027   | -                        | -             |
| Propham   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023   | -                        | -             |
| Prothiofos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Pyrazophos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Pyrifenox   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000052   | -                        | -             |
| Pyrimethanil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Quintozene  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000026   | -                        | -             |
| Sulfotep  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Tebufenpyrad  | g/m <sup>3</sup>                           | < 0.00002 ± 0.000019   | -                        | -             |
| Tetrachlorvinphos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Thiometon   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000032   | -                        | -             |
| Triadimefon   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Organochlorine Pesticides Trace in water, By Liq/Liq            |  |                        |                          |               |
| Aldrin  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| alpha-BHC   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| beta-BHC  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| delta-BHC   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| gamma-BHC (Lindane)   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | 0.002                    | No            |
| cis-Chlordane   | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| trans-Chlordane   | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| 2,4'-DDD  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDD  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 2,4'-DDE  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDE  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 2,4'-DDT  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDT  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Total DDT Isomers   | g/m <sup>3</sup>                           | < 0.00006              | 0.001                    | No            |
| Dieldrin  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Endosulfan I  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Endosulfan II   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Endosulfan sulphate   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Endrin  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | 0.001                    | No            |

| Sample Type: Aqueous  |  |                        |                          |               |
|---|--|------------------------|--------------------------|---------------|
| Sample Name:  | ESZ2 Muttons - G01667 27-Apr-2021 12:10 pm |                        | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.1                                  |                        |                          |               |
| Organochlorine Pesticides Trace in water, By Liq/Liq        |  |                        |                          |               |
| Endrin aldehyde   | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Endrin ketone   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Heptachlor  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Heptachlor epoxide  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Hexachlorobenzene   | g/m <sup>3</sup>                           | < 0.000004 ± 0.0000027 | -                        | -             |
| Methoxychlor  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | 0.02                     | No            |
| Polycyclic Aromatic Hydrocarbons Trace in Water, By Liq/Liq |  |                        |                          |               |
| Acenaphthene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Acenaphthylene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Anthracene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[a]anthracene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[a]pyrene (BAP)  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | 0.0007                   | No            |
| Benzo[b]fluoranthene + Benzo[j]fluoranthene                 | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[g,h,i]perylene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[k]fluoranthene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Chrysene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Dibenzo[a,h]anthracene                                      | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Fluoranthene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Fluorene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000055 | -                        | -             |
| Indeno(1,2,3-c,d)pyrene                                     | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Naphthalene   | g/m <sup>3</sup>                           | < 0.000004 ± 0.0000027 | -                        | -             |
| Phenanthrene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000013 | -                        | -             |
| Pyrene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000057 | -                        | -             |
| BTEX in VOC Water by Headspace GC-MS                        |  |                        |                          |               |
| Benzene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032     | 0.01                     | No            |
| Ethylbenzene  | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034     | 0.3                      | No            |
| Toluene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00060     | 0.8                      | No            |
| m&p-Xylene  | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034     | -                        | -             |
| o-Xylene  | g/m <sup>3</sup>                           | < 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     | -                        | -             |
| Carbon tetrachloride  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | 0.005                    | No            |
| Chloroethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| Chloromethane   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| 1,2-Dibromo-3-chloropropane                                 | g/m <sup>3</sup>                           | < 0.0003 ± 0.00026     | 0.001                    | No            |
| 1,2-Dibromoethane (ethylene dibromide, EDB)                 | g/m <sup>3</sup>                           | < 0.0003 ± 0.00025     | 0.0004                   | No            |
| Dibromomethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| Dichlorodifluoromethane                                     | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | -                        | -             |
| 1,1-Dichloroethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| 1,2-Dichloroethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | 0.03                     | No            |
| 1,1-Dichloroethene  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032     | -                        | -             |
| cis-1,2-Dichloroethene                                      | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| trans-1,2-Dichloroethene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | -                        | -             |
| Dichloromethane (methylene chloride)                        | g/m <sup>3</sup>                           | < 0.010 ± 0.0067       | 0.02                     | No            |
| 1,2-Dichloropropane   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | 0.05                     | No            |
| 1,3-Dichloropropane   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| 1,1-Dichloropropene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| cis-1,3-Dichloropropene                                     | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034     | -                        | -             |
| trans-1,3-Dichloropropene                                   | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034     | -                        | -             |
| Hexachlorobutadiene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | 0.0007                   | No            |
| 1,1,1,2-Tetrachloroethane                                   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| 1,1,2,2-Tetrachloroethane                                   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| Tetrachloroethene (tetrachloroethylene)                     | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032     | 0.05                     | No            |
| 1,1,1-Trichloroethane                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | -                        | -             |

| Sample Type: Aqueous                                      |                  |  |                          |               |
|---|------------------|--|--------------------------|---------------|
| Sample Name:  |                  | ESZ2 Muttons - G01667 27-Apr-2021 12:10 pm | Maximum Acceptable Value | Outside Limit |
| Lab Number:   |                  | 2596262.1                                  |                          |               |
| Halogenated Aliphatics in VOC Water by Headspace GC-MS    |                  |  |                          |               |
| 1,1,2-Trichloroethane                                     | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| Trichloroethene (trichloroethylene)                       | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | 0.02                     | No            |
| Trichlorofluoromethane                                    | g/m <sup>3</sup> | < 0.0003 ± 0.00032                         | -                        | -             |
| 1,2,3-Trichloropropane                                    | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| 1,1,2-Trichlorotrifluoroethane (Freon 113)                | g/m <sup>3</sup> | < 0.0003 ± 0.00027                         | -                        | -             |
| Vinyl chloride  | g/m <sup>3</sup> | < 0.0003 ± 0.00030                         | 0.0003                   | No            |
| Halogenated Aromatics in VOC Water by Headspace GC-MS     |                  |  |                          |               |
| Chlorobenzene (monochlorobenzene)                         | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| 1,2-Dichlorobenzene                                       | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | 1.5                      | No            |
| 1,3-Dichlorobenzene                                       | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| 1,4-Dichlorobenzene                                       | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | 0.4                      | No            |
| 1,2,3-Trichlorobenzene                                    | g/m <sup>3</sup> | < 0.0003 ± 0.00029                         | -                        | -             |
| 1,2,4-Trichlorobenzene                                    | g/m <sup>3</sup> | < 0.0003 ± 0.00029                         | -                        | -             |
| 1,3,5-Trichlorobenzene                                    | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| Bromobenzene  | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| 2-Chlorotoluene   | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| 4-Chlorotoluene   | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS |                  |  |                          |               |
| n-Butylbenzene  | g/m <sup>3</sup> | < 0.0005 ± 0.00034                         | -                        | -             |
| tert-Butylbenzene   | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| 4-Isopropyltoluene (p-Cymene)                             | g/m <sup>3</sup> | < 0.0005 ± 0.00034                         | -                        | -             |
| Isopropylbenzene (Cumene)                                 | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| n-Propylbenzene   | g/m <sup>3</sup> | < 0.0005 ± 0.00034                         | -                        | -             |
| sec-Butylbenzene  | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| Styrene   | g/m <sup>3</sup> | < 0.0005 ± 0.00034                         | 0.03                     | No            |
| 1,2,4-Trimethylbenzene                                    | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| 1,3,5-Trimethylbenzene                                    | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| Ketones in VOC Water by Headspace GC-MS                   |                  |  |                          |               |
| Acetone   | g/m <sup>3</sup> | < 0.05 ± 0.034                             | -                        | -             |
| 2-Butanone (MEK)  | g/m <sup>3</sup> | < 0.05 ± 0.016                             | -                        | -             |
| Methyl tert-butylether (MTBE)                             | g/m <sup>3</sup> | < 0.0003 ± 0.0031                          | -                        | -             |
| 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                         | 0.06                     | No            |
| Bromoform (tribromomethane)                               | g/m <sup>3</sup> | < 0.0003 ± 0.00030                         | 0.1                      | No            |
| Chloroform (Trichloromethane)                             | g/m <sup>3</sup> | 0.00044 ± 0.00033                          | 0.4                      | No            |
| Dibromochloromethane                                      | g/m <sup>3</sup> | < 0.0003 ± 0.00030                         | 0.15                     | No            |
| Other VOC in Water by Headspace GC-MS                     |                  |  |                          |               |
| Carbon disulphide   | g/m <sup>3</sup> | < 0.0005 ± 0.0031                          | -                        | -             |
| Naphthalene   | g/m <sup>3</sup> | < 0.0005 ± 0.00034                         | -                        | -             |

| Sample Name:                 |                                       | ESZ3 Muttons - G01668 27-Apr-2021 12:35 pm | Maximum Acceptable Value | Outside Limit |
|------------------------------|---------------------------------------|--|--------------------------|---------------|
| Lab Number:                  |                                       | 2596262.2                                  |                          |               |
| Individual Tests             |                                       |  |                          |               |
| Turbidity                    | NTU                                   | < 0.05 ± 0.034                             | -                        | -             |
| Total Alkalinity             | g/m <sup>3</sup> as CaCO <sub>3</sub> | 67.0 ± 2.8                                 | -                        | -             |
| Carbonate                    | g/m <sup>3</sup> at 25°C              | < 1.0 ± 0.024                              | -                        | -             |
| Bicarbonate                  | g/m <sup>3</sup> at 25°C              | 81.5 ± 4.1                                 | -                        | -             |
| Free Carbon Dioxide          | g/m <sup>3</sup> at 25°C              | 6.0 ± 2.8                                  | -                        | -             |
| Total Hardness               | g/m <sup>3</sup> as CaCO <sub>3</sub> | 18.06 ± 0.90                               | -                        | -             |
| Total Suspended Solids       | g/m <sup>3</sup>                      | < 3 ± 2.1                                  | -                        | -             |
| Total Dissolved Solids (TDS) | g/m <sup>3</sup>                      | 170 ± 22                                   | -                        | -             |
| Dissolved Aluminium          | g/m <sup>3</sup>                      | 0.0038 ± 0.0021                            | -                        | -             |
| Dissolved Antimony           | g/m <sup>3</sup>                      | < 0.0002 ± 0.00014                         | -                        | -             |
| Dissolved Arsenic            | g/m <sup>3</sup>                      | 0.00269 ± 0.00069                          | -                        | -             |

| Sample Type: Aqueous  |  |                       |                           |               |
|---|--|-----------------------|---------------------------|---------------|
| Sample Name:  | ESZ3 Muttons - G01668 27-Apr-2021 12:35 pm |                       | Maximum Acceptable Value  | Outside Limit |
| Lab Number:   | 2596262.2                                  |                       |                           |               |
| Individual Tests  |  |                       |                           |               |
| Dissolved Barium  | g/m <sup>3</sup>                           | 0.01848 ± 0.00086     | -                         | -             |
| Total Boron   | g/m <sup>3</sup>                           | 0.0134 ± 0.0040       | 1.4                       | No            |
| Dissolved Cadmium   | g/m <sup>3</sup>                           | < 0.00005 ± 0.000034  | -                         | -             |
| Total Calcium   | g/m <sup>3</sup>                           | 3.06 ± 0.13           | -                         | -             |
| Dissolved Chromium  | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034    | -                         | -             |
| Total Copper  | g/m <sup>3</sup>                           | < 0.00053 ± 0.00036   | 2                         | No            |
| Total Iron  | g/m <sup>3</sup>                           | 0.031 ± 0.015         | -                         | -             |
| Dissolved Lead  | g/m <sup>3</sup>                           | < 0.00010 ± 0.000067  | -                         | -             |
| Total Magnesium   | g/m <sup>3</sup>                           | 2.53 ± 0.21           | -                         | -             |
| Total Manganese   | g/m <sup>3</sup>                           | 0.0283 ± 0.0029       | 0.4                       | No            |
| Dissolved Mercury   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000054  | -                         | -             |
| Dissolved Molybdenum  | g/m <sup>3</sup>                           | 0.00035 ± 0.00015     | -                         | -             |
| Dissolved Nickel  | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034    | -                         | -             |
| Dissolved Selenium  | g/m <sup>3</sup>                           | < 0.0010 ± 0.00067    | -                         | -             |
| Dissolved Silver  | g/m <sup>3</sup>                           | < 0.00010 ± 0.000067  | -                         | -             |
| Total Sodium  | g/m <sup>3</sup>                           | 27.5 ± 1.7            | -                         | -             |
| Dissolved Tin   | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034    | -                         | -             |
| Total Zinc  | g/m <sup>3</sup>                           | 0.00162 ± 0.00074     | -                         | -             |
| Bromate   | g/m <sup>3</sup>                           | < 0.005 ± 0.0034      | 0.01                      | No            |
| Chloride  | g/m <sup>3</sup>                           | 6.43 ± 0.52           | -                         | -             |
| Fluoride  | g/m <sup>3</sup>                           | 0.189 ± 0.046         | 1.5                       | No            |
| Total Ammoniacal-N  | g/m <sup>3</sup>                           | 0.0218 ± 0.0067       | -                         | -             |
| Nitrite-N   | g/m <sup>3</sup>                           | < 0.002 ± 0.0014      | 0.06<br>0.91 (short term) | No            |
| Nitrate-N   | g/m <sup>3</sup>                           | 0.0247 ± 0.0036       | 11.3                      | No            |
| Nitrate-N + Nitrite-N                                       | g/m <sup>3</sup>                           | 0.0249 ± 0.0033       | -                         | -             |
| Reactive Silica   | g/m <sup>3</sup> as SiO <sub>2</sub>       | 96.7 ± 2.0            | -                         | -             |
| Sulphate  | g/m <sup>3</sup>                           | 1.25 ± 0.35           | -                         | -             |
| Non-Purgeable Organic Carbon (NPOC)                         | g/m <sup>3</sup>                           | 0.36 ± 0.21           | -                         | -             |
| Absorbance at 254 nm  | AU cm <sup>-1</sup>                        | 0.0114 ± 0.0023       | -                         | -             |
| Transmittance at 254 nm*                                    | %T, 1 cm cell                              | 97.4                  | -                         | -             |
| Absorbance at 270 nm  | AU cm <sup>-1</sup>                        | 0.0102 ± 0.0024       | -                         | -             |
| Transmittance at 270 nm*                                    | %T, 1 cm cell                              | 97.7                  | -                         | -             |
| Total Coliforms   | cfu / 100mL                                | < 1 #1                | -                         | -             |
| Enterococci   | cfu / 100mL                                | < 1 #1                | -                         | -             |
| Faecal Coliforms and E. coli profile                        |  |                       |                           |               |
| Faecal Coliforms  | cfu / 100mL                                | < 1 #1                | -                         | -             |
| Escherichia coli  | cfu / 100mL                                | < 1 #1                | < 1                       | No            |
| Hazen Colour Profile  |  |                       |                           |               |
| Apparent Hazen Colour                                       | Hazen units                                | < 10 ± 20             | -                         | -             |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |  |                       |                           |               |
| Acetochlor  | g/m <sup>3</sup>                           | < 0.00004 ± 0.00042   | -                         | -             |
| Alachlor  | g/m <sup>3</sup>                           | < 0.00004 ± 0.00018   | 0.02                      | No            |
| Atrazine  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000024  | 0.002                     | No            |
| Atrazine-desethyl   | g/m <sup>3</sup>                           | < 0.00004 ± 0.00041   | -                         | -             |
| Atrazine-desisopropyl                                       | g/m <sup>3</sup>                           | < 0.00008 ± 0.00018   | -                         | -             |
| Azaconazole   | g/m <sup>3</sup>                           | < 0.00002 ± 0.0000071 | -                         | -             |
| Azinphos-methyl   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000036  | 0.004                     | No            |
| Benalaxyl   | g/m <sup>3</sup>                           | < 0.00002 ± 0.0000094 | -                         | -             |
| Bitertanol  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000048  | -                         | -             |
| Bromacil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000025  | 0.4                       | No            |
| Bromopropylate  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                         | -             |
| Butachlor   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                         | -             |
| Captan  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000060  | -                         | -             |
| Carbaryl  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                         | -             |



| Sample Type: Aqueous  |  |                          |               |
|---|--|--------------------------|---------------|
| Sample Name:  | ESZ3 Muttons - G01668 27-Apr-2021 12:35 pm | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.2                                  |                          |               |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |  |                          |               |
| Carbofenothion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022     | -             |
| Carbofuran  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022     | 0.008         |
| Chlorfluazuron  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000032     | -             |
| Chlorothalonil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022     | -             |
| Chlorpyrifos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022     | 0.04          |
| Chlorpyrifos-methyl   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022     | -             |
| Chlortoluron  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000062     | 0.04          |
| Cyanazine   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021     | 0.0007        |
| Cyfluthrin  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027     | -             |
| 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     | 0.1           |
| 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          |

| Sample Type: Aqueous  |  |                       |                          |               |
|---|--|-----------------------|--------------------------|---------------|
| Sample Name:  | ESZ3 Muttons - G01668 27-Apr-2021 12:35 pm |                       | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.2                                  |                       |                          |               |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS     |  |                       |                          |               |
| Propiconazole   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000033  | -                        | -             |
| Pyriproxyfen  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000033  | 0.4                      | No            |
| Quizalofop-ethyl  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Simazine  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000013  | 0.002                    | No            |
| 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  | -                        | -             |
| Terbacil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000032  | 0.04                     | No            |
| Terbufos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000011  | -                        | -             |
| Terbumeton  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Terbutylazine   | g/m <sup>3</sup>                           | < 0.00002 ± 0.0000079 | 0.008                    | No            |
| Terbutylazine-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                      | No            |
| 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                     | No            |
| Vinclozolin   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000048  | -                        | -             |
| Hydrogen sulphide trace level profile*                          |  |                       |                          |               |
| pH  | pH Units                                   | 7.3 ± 0.2             | -                        | -             |
| Electrical Conductivity (EC)                                    | mS/m                                       | 14.8 ± 0.4            | -                        | -             |
| Sample Temperature*   | °C   | 20.0                  | -                        | -             |
| Un-ionised hydrogen sulphide                                    | g/m <sup>3</sup>                           | < 0.002               | -                        | -             |
| Total Sulphide  | g/m <sup>3</sup>                           | < 0.002 ± 0.0014      | -                        | -             |
| Acid Herbicides Screen in Water by LCMSMS                       |  |                       |                          |               |
| Acifluorfen   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| 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                     | No            |
| 2,4-Dichlorophenoxybutyric acid (24DB)                          | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.1                      | No            |
| Dicamba   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| Dichlorprop   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.1                      | No            |
| Fluazifop   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| Fluroxypyr  | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| Haloxypyr   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA)                      | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.002                    | No            |
| 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                     | No            |
| Oryzalin  | g/m <sup>3</sup>                           | < 0.0006 ± 0.00023    | 0.4                      | No            |
| 2,3,4,6-Tetrachlorophenol (TCP)                                 | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| 2,4,5-trichlorophenoxypropionic acid (245TP, Fenoprop, Silvex)  | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.01                     | No            |
| 2,4,5-Trichlorophenoxyacetic acid (245T)                        | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.01                     | No            |
| Pentachlorophenol (PCP)   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.009                    | No            |
| Picloram  | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.2                      | No            |
| Quizalofop  | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| Triclopyr   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.1                      | No            |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |  |                       |                          |               |
| Bendiocarb  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Benodanil   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000039  | -                        | -             |

| Sample Type: Aqueous  |  |                       |                          |               |
|---|--|-----------------------|--------------------------|---------------|
| Sample Name:  | ESZ3 Muttons - G01668 27-Apr-2021 12:35 pm |                       | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.2                                  |                       |                          |               |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |  |                       |                          |               |
| Bifenthrin  | g/m <sup>3</sup>                           | < 0.00002 ± 0.0000079 | -                        | -             |
| Bromophos-ethyl   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Bupirimate  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Buprofezin  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Captafol  | g/m <sup>3</sup>                           | < 0.0002 ± 0.00014    | -                        | -             |
| Carbofenthion   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Carboxin  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000024  | -                        | -             |
| Chlorfenvinphos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Chlorpropham  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000034  | -                        | -             |
| Chlozolinate  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Coumaphos   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000038  | -                        | -             |
| Cyproconazole   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Cyprodinil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027  | -                        | -             |
| Demeton-S-methyl  | g/m <sup>3</sup>                           | < 0.00008 ± 0.00018   | -                        | -             |
| Dichlobenil   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Dichlofenthion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Dicofol   | g/m <sup>3</sup>                           | < 0.0002 ± 0.00014    | -                        | -             |
| Dicrotophos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Dinocap   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00012    | -                        | -             |
| Disulfoton  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023  | -                        | -             |
| EPN   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000026  | -                        | -             |
| Esfenvalerate   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Ethion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Etrimfos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Famphur   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Fenamiphos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Fenarimol   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023  | -                        | -             |
| Fenitrothion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Fenpropathrin   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Fensulfothion   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000026  | -                        | -             |
| Fenthion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000024  | -                        | -             |
| Fenvalerate   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Folpet  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000027  | -                        | -             |
| Hexythiazox   | g/m <sup>3</sup>                           | < 0.0002 ± 0.000071   | -                        | -             |
| Imazalil  | g/m <sup>3</sup>                           | < 0.0002 ± 0.000059   | -                        | -             |
| Indoxacarb  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Iodofenphos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000015  | -                        | -             |
| Isazophos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000025  | -                        | -             |
| Isofenphos  | g/m <sup>3</sup>                           | < 0.00002 ± 0.000018  | -                        | -             |
| Leptophos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023  | -                        | -             |
| Methacrifos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Methidathion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Methiocarb  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000033  | -                        | -             |
| Mevinphos   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000040  | -                        | -             |
| Nitrofen  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000034  | -                        | -             |
| Nitrothal-Isopropyl   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023  | -                        | -             |
| Oxychlorane   | g/m <sup>3</sup>                           | < 0.00002 ± 0.000033  | -                        | -             |
| Penconazole   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Phorate   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000028  | -                        | -             |
| Phosmet   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Phosphamidon  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000057  | -                        | -             |
| Propetamphos  | g/m <sup>3</sup>                           | < 0.00006 ± 0.000027  | -                        | -             |
| Propham   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023  | -                        | -             |
| Prothiofos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Pyrazophos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |

| Sample Type: Aqueous  |  |                        |                          |               |
|---|--|------------------------|--------------------------|---------------|
| Sample Name:  | ESZ3 Muttons - G01668 27-Apr-2021 12:35 pm |                        | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.2                                  |                        |                          |               |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |  |                        |                          |               |
| Pyrifenox   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000052   | -                        | -             |
| Pyrimethanil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Quintozene  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000026   | -                        | -             |
| Sulfotep  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Tebufenpyrad  | g/m <sup>3</sup>                           | < 0.00002 ± 0.000019   | -                        | -             |
| Tetrachlorvinphos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Thiometon   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000032   | -                        | -             |
| Triadimefon   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Organochlorine Pesticides Trace in water, By Liq/Liq            |  |                        |                          |               |
| Aldrin  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| alpha-BHC   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| beta-BHC  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| delta-BHC   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| gamma-BHC (Lindane)   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | 0.002                    | No            |
| cis-Chlordane   | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| trans-Chlordane   | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| 2,4'-DDD  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDD  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 2,4'-DDE  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDE  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 2,4'-DDT  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDT  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Total DDT Isomers   | g/m <sup>3</sup>                           | < 0.00006              | 0.001                    | No            |
| Dieldrin  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Endosulfan I  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Endosulfan II   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Endosulfan sulphate   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Endrin  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | 0.001                    | No            |
| Endrin aldehyde   | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Endrin ketone   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Heptachlor  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Heptachlor epoxide  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Hexachlorobenzene   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027   | -                        | -             |
| Methoxychlor  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | 0.02                     | No            |
| Polycyclic Aromatic Hydrocarbons Trace in Water, By Liq/Liq     |  |                        |                          |               |
| Acenaphthene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Acenaphthylene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Anthracene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[a]anthracene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[a]pyrene (BAP)  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | 0.0007                   | No            |
| Benzo[b]fluoranthene + Benzo[j]fluoranthene                     | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[g,h,i]perylene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[k]fluoranthene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Chrysene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Dibenzo[a,h]anthracene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Fluoranthene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Fluorene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000055 | -                        | -             |
| Indeno(1,2,3-c,d)pyrene   | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Naphthalene   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027   | -                        | -             |
| Phenanthrene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.000013  | -                        | -             |
| Pyrene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000057 | -                        | -             |
| BTEX in VOC Water by Headspace GC-MS                            |  |                        |                          |               |
| Benzene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032     | 0.01                     | No            |
| Ethylbenzene  | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034     | 0.3                      | No            |

| Sample Type: Aqueous                                      |  |                    |                          |               |
|---|--|--------------------|--------------------------|---------------|
| Sample Name:  | ESZ3 Muttons - G01668 27-Apr-2021 12:35 pm |                    | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.2                                  |                    |                          |               |
| BTEX in VOC Water by Headspace GC-MS                      |  |                    |                          |               |
| Toluene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00060 | 0.8                      | No            |
| m&p-Xylene  | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | -                        | -             |
| o-Xylene  | g/m <sup>3</sup>                           | < 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 | -                        | -             |
| Carbon tetrachloride                                      | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | 0.005                    | No            |
| Chloroethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Chloromethane   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,2-Dibromo-3-chloropropane                               | g/m <sup>3</sup>                           | < 0.0003 ± 0.00026 | 0.001                    | No            |
| 1,2-Dibromoethane (ethylene dibromide, EDB)               | g/m <sup>3</sup>                           | < 0.0003 ± 0.00025 | 0.0004                   | No            |
| Dibromomethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Dichlorodifluoromethane                                   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | -                        | -             |
| 1,1-Dichloroethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,2-Dichloroethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | 0.03                     | No            |
| 1,1-Dichloroethene  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032 | -                        | -             |
| cis-1,2-Dichloroethene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| trans-1,2-Dichloroethene                                  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | -                        | -             |
| Dichloromethane (methylene chloride)                      | g/m <sup>3</sup>                           | < 0.010 ± 0.0067   | 0.02                     | No            |
| 1,2-Dichloropropane                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | 0.05                     | No            |
| 1,3-Dichloropropane                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,1-Dichloropropene                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| cis-1,3-Dichloropropene                                   | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | -                        | -             |
| trans-1,3-Dichloropropene                                 | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | -                        | -             |
| Hexachlorobutadiene                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | 0.0007                   | No            |
| 1,1,1,2-Tetrachloroethane                                 | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,1,2,2-Tetrachloroethane                                 | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Tetrachloroethene (tetrachloroethylene)                   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032 | 0.05                     | No            |
| 1,1,1-Trichloroethane                                     | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | -                        | -             |
| 1,1,2-Trichloroethane                                     | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Trichloroethene (trichloroethylene)                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | 0.02                     | No            |
| Trichlorofluoromethane                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032 | -                        | -             |
| 1,2,3-Trichloropropane                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,1,2-Trichlorotrifluoroethane (Freon 113)                | g/m <sup>3</sup>                           | < 0.0003 ± 0.00027 | -                        | -             |
| Vinyl chloride  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | 0.0003                   | No            |
| Halogenated Aromatics in VOC Water by Headspace GC-MS     |  |                    |                          |               |
| Chlorobenzene (monochlorobenzene)                         | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,2-Dichlorobenzene                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | 1.5                      | No            |
| 1,3-Dichlorobenzene                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,4-Dichlorobenzene                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | 0.4                      | No            |
| 1,2,3-Trichlorobenzene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00029 | -                        | -             |
| 1,2,4-Trichlorobenzene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00029 | -                        | -             |
| 1,3,5-Trichlorobenzene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Bromobenzene  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 2-Chlorotoluene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 4-Chlorotoluene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS |  |                    |                          |               |
| n-Butylbenzene  | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | -                        | -             |
| tert-Butylbenzene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 4-Isopropyltoluene (p-Cymene)                             | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | -                        | -             |
| Isopropylbenzene (Cumene)                                 | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| n-Propylbenzene   | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | -                        | -             |
| sec-Butylbenzene  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Styrene   | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | 0.03                     | No            |
| 1,2,4-Trimethylbenzene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |

| Sample Type: Aqueous                                      |                  |  |                          |               |
|---|------------------|--|--------------------------|---------------|
| Sample Name:  |                  | ESZ3 Muttons - G01668 27-Apr-2021 12:35 pm | Maximum Acceptable Value | Outside Limit |
| Lab Number:   |                  | 2596262.2                                  |                          |               |
| Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS |                  |  |                          |               |
| 1,3,5-Trimethylbenzene                                    | g/m <sup>3</sup> | < 0.0003 ± 0.00031                         | -                        | -             |
| Ketones in VOC Water by Headspace GC-MS                   |                  |  |                          |               |
| Acetone   | g/m <sup>3</sup> | < 0.05 ± 0.034                             | -                        | -             |
| 2-Butanone (MEK)  | g/m <sup>3</sup> | < 0.05 ± 0.016                             | -                        | -             |
| Methyl tert-butylether (MTBE)                             | g/m <sup>3</sup> | < 0.0003 ± 0.0031                          | -                        | -             |
| 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                         | 0.06                     | No            |
| Bromoform (tribromomethane)                               | g/m <sup>3</sup> | < 0.0003 ± 0.00030                         | 0.1                      | No            |
| Chloroform (Trichloromethane)                             | g/m <sup>3</sup> | < 0.0003 ± 0.00030                         | 0.4                      | No            |
| Dibromochloromethane                                      | g/m <sup>3</sup> | < 0.0003 ± 0.00030                         | 0.15                     | No            |
| Other VOC in Water by Headspace GC-MS                     |                  |  |                          |               |
| Carbon disulphide   | g/m <sup>3</sup> | < 0.0005 ± 0.0031                          | -                        | -             |
| Naphthalene   | g/m <sup>3</sup> | < 0.0005 ± 0.00034                         | -                        | -             |

| Sample Name:                 |                                       | ESZ6 Muttons - G01669 27-Apr-2021 1:00 pm | Maximum Acceptable Value  | Outside Limit |
|------------------------------|---------------------------------------|---|---------------------------|---------------|
| Lab Number:                  |                                       | 2596262.3                                 |                           |               |
| Individual Tests             |                                       |   |                           |               |
| Turbidity                    | NTU                                   | < 0.05 ± 0.034                            | -                         | -             |
| Total Alkalinity             | g/m <sup>3</sup> as CaCO <sub>3</sub> | 34.7 ± 1.6                                | -                         | -             |
| Carbonate                    | g/m <sup>3</sup> at 25°C              | < 1.0 ± 0.0036                            | -                         | -             |
| Bicarbonate                  | g/m <sup>3</sup> at 25°C              | 42.3 ± 2.3                                | -                         | -             |
| Free Carbon Dioxide          | g/m <sup>3</sup> at 25°C              | 10.5 ± 4.9                                | -                         | -             |
| Total Hardness               | g/m <sup>3</sup> as CaCO <sub>3</sub> | 17.62 ± 0.88                              | -                         | -             |
| Total Suspended Solids       | g/m <sup>3</sup>                      | < 3 ± 2.1                                 | -                         | -             |
| Total Dissolved Solids (TDS) | g/m <sup>3</sup>                      | 150 ± 20                                  | -                         | -             |
| Dissolved Aluminium          | g/m <sup>3</sup>                      | < 0.003 ± 0.0021                          | -                         | -             |
| Dissolved Antimony           | g/m <sup>3</sup>                      | < 0.0002 ± 0.00014                        | -                         | -             |
| Dissolved Arsenic            | g/m <sup>3</sup>                      | 0.00128 ± 0.00067                         | -                         | -             |
| Dissolved Barium             | g/m <sup>3</sup>                      | 0.0382 ± 0.0018                           | -                         | -             |
| Total Boron                  | g/m <sup>3</sup>                      | 0.0103 ± 0.0038                           | 1.4                       | No            |
| Dissolved Cadmium            | g/m <sup>3</sup>                      | < 0.00005 ± 0.000034                      | -                         | -             |
| Total Calcium                | g/m <sup>3</sup>                      | 3.00 ± 0.13                               | -                         | -             |
| Dissolved Chromium           | g/m <sup>3</sup>                      | < 0.0005 ± 0.00034                        | -                         | -             |
| Total Copper                 | g/m <sup>3</sup>                      | < 0.00053 ± 0.00036                       | 2                         | No            |
| Total Iron                   | g/m <sup>3</sup>                      | < 0.021 ± 0.014                           | -                         | -             |
| Dissolved Lead               | g/m <sup>3</sup>                      | < 0.00010 ± 0.000067                      | -                         | -             |
| Total Magnesium              | g/m <sup>3</sup>                      | 2.46 ± 0.20                               | -                         | -             |
| Total Manganese              | g/m <sup>3</sup>                      | < 0.00053 ± 0.00036                       | 0.4                       | No            |
| Dissolved Mercury            | g/m <sup>3</sup>                      | < 0.00008 ± 0.000054                      | -                         | -             |
| Dissolved Molybdenum         | g/m <sup>3</sup>                      | < 0.0002 ± 0.00014                        | -                         | -             |
| Dissolved Nickel             | g/m <sup>3</sup>                      | < 0.0005 ± 0.00034                        | -                         | -             |
| Dissolved Selenium           | g/m <sup>3</sup>                      | < 0.0010 ± 0.00067                        | -                         | -             |
| Dissolved Silver             | g/m <sup>3</sup>                      | < 0.00010 ± 0.000067                      | -                         | -             |
| Total Sodium                 | g/m <sup>3</sup>                      | 13.93 ± 0.84                              | -                         | -             |
| Dissolved Tin                | g/m <sup>3</sup>                      | < 0.0005 ± 0.00034                        | -                         | -             |
| Total Zinc                   | g/m <sup>3</sup>                      | 0.00128 ± 0.00074                         | -                         | -             |
| Bromate                      | g/m <sup>3</sup>                      | < 0.005 ± 0.0034                          | 0.01                      | No            |
| Chloride                     | g/m <sup>3</sup>                      | 6.72 ± 0.53                               | -                         | -             |
| Fluoride                     | g/m <sup>3</sup>                      | 0.083 ± 0.042                             | 1.5                       | No            |
| Total Ammoniacal-N           | g/m <sup>3</sup>                      | < 0.010 ± 0.0067                          | -                         | -             |
| Nitrite-N                    | g/m <sup>3</sup>                      | < 0.002 ± 0.0014                          | 0.06<br>0.91 (short term) | No            |
| Nitrate-N                    | g/m <sup>3</sup>                      | 0.718 ± 0.087                             | 11.3                      | No            |
| Nitrate-N + Nitrite-N        | g/m <sup>3</sup>                      | 0.718 ± 0.087                             | -                         | -             |

| Sample Type: Aqueous  |   |                       |                          |               |
|---|---|-----------------------|--------------------------|---------------|
| Sample Name:  | ESZ6 Muttons - G01669 27-Apr-2021 1:00 pm |                       | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.3                                 |                       |                          |               |
| Individual Tests  |   |                       |                          |               |
| Reactive Silica   | g/m <sup>3</sup> as SiO <sub>2</sub>      | 89.7 ± 1.8            | -                        | -             |
| Sulphate  | g/m <sup>3</sup>                          | 1.43 ± 0.36           | -                        | -             |
| Non-Purgeable Organic Carbon (NPOC)                         | g/m <sup>3</sup>                          | < 0.3 ± 0.20          | -                        | -             |
| Absorbance at 254 nm  | AU cm <sup>-1</sup>                       | < 0.002 ± 0.0021      | -                        | -             |
| Transmittance at 254 nm*                                    | %T, 1 cm cell                             | > 99.5                | -                        | -             |
| Absorbance at 270 nm  | AU cm <sup>-1</sup>                       | < 0.002 ± 0.0021      | -                        | -             |
| Transmittance at 270 nm*                                    | %T, 1 cm cell                             | > 99.5                | -                        | -             |
| Total Coliforms   | cfu / 100mL                               | < 1 #1                | -                        | -             |
| Enterococci   | cfu / 100mL                               | < 1 #1                | -                        | -             |
| Faecal Coliforms and E. coli profile                        |   |                       |                          |               |
| Faecal Coliforms  | cfu / 100mL                               | < 1 #1                | -                        | -             |
| Escherichia coli  | cfu / 100mL                               | < 1 #1                | < 1                      | No            |
| Hazen Colour Profile  |   |                       |                          |               |
| Apparent Hazen Colour                                       | Hazen units                               | < 10 ± 20             | -                        | -             |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |   |                       |                          |               |
| Acetochlor  | g/m <sup>3</sup>                          | < 0.00004 ± 0.00042   | -                        | -             |
| Alachlor  | g/m <sup>3</sup>                          | < 0.00004 ± 0.00018   | 0.02                     | No            |
| Atrazine  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000024  | 0.002                    | No            |
| Atrazine-desethyl   | g/m <sup>3</sup>                          | < 0.00004 ± 0.00041   | -                        | -             |
| Atrazine-desisopropyl                                       | g/m <sup>3</sup>                          | < 0.00008 ± 0.00018   | -                        | -             |
| Azaconazole   | g/m <sup>3</sup>                          | < 0.00002 ± 0.0000071 | -                        | -             |
| Azinphos-methyl   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000036  | 0.004                    | No            |
| Benalaxyl   | g/m <sup>3</sup>                          | < 0.00002 ± 0.0000094 | -                        | -             |
| Bitertanol  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000048  | -                        | -             |
| Bromacil  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000025  | 0.4                      | No            |
| Bromopropylate  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Butachlor   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                        | -             |
| Captan  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000060  | -                        | -             |
| Carbaryl  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                        | -             |
| Carbofenothion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Carbofuran  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | 0.008                    | No            |
| Chlorfluazuron  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000032  | -                        | -             |
| Chlorothalonil  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Chlorpyrifos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | 0.04                     | No            |
| Chlorpyrifos-methyl   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Chlortoluron  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000062  | 0.04                     | No            |
| Cyanazine   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | 0.0007                   | No            |
| Cyfluthrin  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000027  | -                        | -             |
| 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                    | No            |
| Diphenylamine   | g/m <sup>3</sup>                          | < 0.00008 ± 0.00018   | -                        | -             |
| Diuron  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023  | 0.02                     | No            |
| 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 | -                        | -             |

| Sample Type: Aqueous  |   |                       |                          |               |
|---|---|-----------------------|--------------------------|---------------|
| Sample Name:  | ESZ6 Muttons - G01669 27-Apr-2021 1:00 pm |                       | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.3                                 |                       |                          |               |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |   |                       |                          |               |
| Haloxyfop-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                      | No            |
| 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  | 0.1                      | No            |
| Metolachlor   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | 0.01                     | No            |
| Metribuzin  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000027  | 0.07                     | No            |
| Molinate  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000030  | 0.007                    | No            |
| 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                      | No            |
| 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                     | No            |
| 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                      | No            |
| Prochloraz  | g/m <sup>3</sup>                          | < 0.0002 ± 0.000059   | -                        | -             |
| Procymidone   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | 0.7                      | No            |
| 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                     | No            |
| Propiconazole   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000033  | -                        | -             |
| Pyriproxyfen  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000033  | 0.4                      | No            |
| Quizalofop-ethyl  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Simazine  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000013  | 0.002                    | No            |
| 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  | -                        | -             |
| Terbacil  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000032  | 0.04                     | No            |
| Terbufos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000011  | -                        | -             |
| Terbumeton  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                        | -             |
| Terbuthylazine  | g/m <sup>3</sup>                          | < 0.00002 ± 0.0000079 | 0.008                    | No            |
| 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                      | No            |
| 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                     | No            |
| Vinclozolin   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000048  | -                        | -             |
| Hydrogen sulphide trace level profile*                      |   |                       |                          |               |
| pH  | pH Units                                  | 6.8 ± 0.2             | -                        | -             |
| Electrical Conductivity (EC)                                | mS/m                                      | 9.9 ± 0.3             | -                        | -             |
| Sample Temperature*   | °C  | 20.0                  | -                        | -             |
| Un-ionised hydrogen sulphide                                | g/m <sup>3</sup>                          | < 0.002               | -                        | -             |



| Sample Type: Aqueous  |   |                      |                          |               |
|---|---|----------------------|--------------------------|---------------|
| Sample Name:  | ESZ6 Muttons - G01669 27-Apr-2021 1:00 pm |                      | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.3                                 |                      |                          |               |
| Hydrogen sulphide trace level profile*                          |   |                      |                          |               |
| Total Sulphide  | g/m <sup>3</sup>                          | < 0.002 ± 0.0014     | -                        | -             |
| Acid Herbicides Screen in Water by LCMSMS                       |   |                      |                          |               |
| Acifluorfen   | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | -                        | -             |
| 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                     | No            |
| 2,4-Dichlorophenoxybutyric acid (24DB)                          | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | 0.1                      | No            |
| Dicamba   | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | -                        | -             |
| Dichlorprop   | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | 0.1                      | No            |
| 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   | 0.002                    | No            |
| 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                     | No            |
| Oryzalin  | g/m <sup>3</sup>                          | < 0.0006 ± 0.00023   | 0.4                      | No            |
| 2,3,4,6-Tetrachlorophenol (TCP)                                 | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | -                        | -             |
| 2,4,5-trichlorophenoxypropionic acid (245TP, Fenoprop, Silvex)  | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | 0.01                     | No            |
| 2,4,5-Trichlorophenoxyacetic acid (245T)                        | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | 0.01                     | No            |
| Pentachlorophenol (PCP)   | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | 0.009                    | No            |
| Picloram  | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | 0.2                      | No            |
| Quizalofop  | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | -                        | -             |
| Triclopyr   | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021   | 0.1                      | No            |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |   |                      |                          |               |
| Bendiocarb  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Benodanil   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000039 | -                        | -             |
| Bifenthrin  | g/m <sup>3</sup>                          | < 0.00002 ± 0.000079 | -                        | -             |
| Bromophos-ethyl   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Bupirimate  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021 | -                        | -             |
| Buprofezin  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021 | -                        | -             |
| Captafol  | g/m <sup>3</sup>                          | < 0.0002 ± 0.00014   | -                        | -             |
| Carbofenothion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Carboxin  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000024 | -                        | -             |
| Chlorfenvinphos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Chlorpropham  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000034 | -                        | -             |
| Chlozolinatate  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Coumaphos   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000038 | -                        | -             |
| Cyproconazole   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Cyprodinil  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000027 | -                        | -             |
| Demeton-S-methyl  | g/m <sup>3</sup>                          | < 0.00008 ± 0.00018  | -                        | -             |
| Dichlobenil   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Dichlofenthion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Dicofol   | g/m <sup>3</sup>                          | < 0.0002 ± 0.00014   | -                        | -             |
| Dicrotophos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Dinocap   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00012   | -                        | -             |
| Disulfoton  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023 | -                        | -             |
| EPN   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000026 | -                        | -             |
| Esfenvalerate   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Ethion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021 | -                        | -             |
| Etrimfos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |
| Famphur   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021 | -                        | -             |
| Fenamiphos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022 | -                        | -             |

| Sample Type: Aqueous  |   |                        |                          |               |
|---|---|------------------------|--------------------------|---------------|
| Sample Name:  | ESZ6 Muttons - G01669 27-Apr-2021 1:00 pm |                        | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.3                                 |                        |                          |               |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |   |                        |                          |               |
| Fenarimol   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023   | -                        | -             |
| Fenitrothion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Fenpropathrin   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Fensulfothion   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000026   | -                        | -             |
| Fenthion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000024   | -                        | -             |
| Fenvalerate   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021   | -                        | -             |
| Folpet  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000027   | -                        | -             |
| Hexythiazox   | g/m <sup>3</sup>                          | < 0.0002 ± 0.000071    | -                        | -             |
| Imazalil  | g/m <sup>3</sup>                          | < 0.0002 ± 0.000059    | -                        | -             |
| Indoxacarb  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Iodofenphos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000015   | -                        | -             |
| Isazophos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000025   | -                        | -             |
| Isofenphos  | g/m <sup>3</sup>                          | < 0.00002 ± 0.000018   | -                        | -             |
| Leptophos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023   | -                        | -             |
| Methacrifos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Methidathion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Methiocarb  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000033   | -                        | -             |
| Mevinphos   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000040   | -                        | -             |
| Nitrofen  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000034   | -                        | -             |
| Nitrothal-Isopropyl   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023   | -                        | -             |
| Oxychlorane   | g/m <sup>3</sup>                          | < 0.00002 ± 0.000033   | -                        | -             |
| Penconazole   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Phorate   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000028   | -                        | -             |
| Phosmet   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021   | -                        | -             |
| Phosphamidon  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000057   | -                        | -             |
| Propetamphos  | g/m <sup>3</sup>                          | < 0.00006 ± 0.000027   | -                        | -             |
| Propham   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023   | -                        | -             |
| Prothiofos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Pyrazophos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Pyrifenox   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000052   | -                        | -             |
| Pyrimethanil  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021   | -                        | -             |
| Quintozene  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000026   | -                        | -             |
| Sulfotep  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Tebufenpyrad  | g/m <sup>3</sup>                          | < 0.00002 ± 0.000019   | -                        | -             |
| Tetrachlorvinphos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021   | -                        | -             |
| Thiometon   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000032   | -                        | -             |
| Triadimefon   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021   | -                        | -             |
| Organochlorine Pesticides Trace in water, By Liq/Liq            |   |                        |                          |               |
| Aldrin  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| alpha-BHC   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| beta-BHC  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| delta-BHC   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| gamma-BHC (Lindane)   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | 0.002                    | No            |
| cis-Chlordane   | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| trans-Chlordane   | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| 2,4'-DDD  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDD  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| 2,4'-DDE  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDE  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| 2,4'-DDT  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDT  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| Total DDT Isomers   | g/m <sup>3</sup>                          | < 0.00006              | 0.001                    | No            |
| Dieldrin  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Endosulfan I  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| Endosulfan II   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |

| Sample Type: Aqueous  |   |                        |                          |               |
|---|---|------------------------|--------------------------|---------------|
| Sample Name:  | ESZ6 Muttons - G01669 27-Apr-2021 1:00 pm |                        | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.3                                 |                        |                          |               |
| Organochlorine Pesticides Trace in water, By Liq/Liq        |   |                        |                          |               |
| Endosulfan sulphate   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| Endrin  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | 0.001                    | No            |
| Endrin aldehyde   | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Endrin ketone   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| Heptachlor  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Heptachlor epoxide  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Hexachlorobenzene   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000027   | -                        | -             |
| Methoxychlor  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | 0.02                     | No            |
| Polycyclic Aromatic Hydrocarbons Trace in Water, By Liq/Liq |   |                        |                          |               |
| Acenaphthene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Acenaphthylene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Anthracene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[a]anthracene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[a]pyrene (BAP)  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | 0.0007                   | No            |
| Benzo[b]fluoranthene + Benzo[j]fluoranthene                 | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[g,h,i]perylene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[k]fluoranthene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Chrysene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Dibenzo[a,h]anthracene                                      | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Fluoranthene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Fluorene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000055 | -                        | -             |
| Indeno(1,2,3-c,d)pyrene                                     | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Naphthalene   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000027   | -                        | -             |
| Phenanthrene  | g/m <sup>3</sup>                          | 0.000007 ± 0.000013    | -                        | -             |
| Pyrene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000057 | -                        | -             |
| BTEX in VOC Water by Headspace GC-MS                        |   |                        |                          |               |
| Benzene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00032     | 0.01                     | No            |
| Ethylbenzene  | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034     | 0.3                      | No            |
| Toluene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00060     | 0.8                      | No            |
| m&p-Xylene  | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034     | -                        | -             |
| o-Xylene  | g/m <sup>3</sup>                          | < 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     | -                        | -             |
| Carbon tetrachloride  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030     | 0.005                    | No            |
| Chloroethane  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031     | -                        | -             |
| Chloromethane   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031     | -                        | -             |
| 1,2-Dibromo-3-chloropropane                                 | g/m <sup>3</sup>                          | < 0.0003 ± 0.00026     | 0.001                    | No            |
| 1,2-Dibromoethane (ethylene dibromide, EDB)                 | g/m <sup>3</sup>                          | < 0.0003 ± 0.00025     | 0.0004                   | No            |
| Dibromomethane  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031     | -                        | -             |
| Dichlorodifluoromethane                                     | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030     | -                        | -             |
| 1,1-Dichloroethane  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031     | -                        | -             |
| 1,2-Dichloroethane  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030     | 0.03                     | No            |
| 1,1-Dichloroethene  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00032     | -                        | -             |
| cis-1,2-Dichloroethene                                      | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031     | -                        | -             |
| trans-1,2-Dichloroethene                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030     | -                        | -             |
| Dichloromethane (methylene chloride)                        | g/m <sup>3</sup>                          | < 0.010 ± 0.0067       | 0.02                     | No            |
| 1,2-Dichloropropane   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031     | 0.05                     | No            |
| 1,3-Dichloropropane   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031     | -                        | -             |
| 1,1-Dichloropropene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031     | -                        | -             |
| cis-1,3-Dichloropropene                                     | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034     | -                        | -             |
| trans-1,3-Dichloropropene                                   | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034     | -                        | -             |
| Hexachlorobutadiene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030     | 0.0007                   | No            |
| 1,1,1,2-Tetrachloroethane                                   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031     | -                        | -             |
| 1,1,2,2-Tetrachloroethane                                   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031     | -                        | -             |

| Sample Type: Aqueous                                      |   |                    |                          |               |
|---|---|--------------------|--------------------------|---------------|
| Sample Name:  | ESZ6 Muttons - G01669 27-Apr-2021 1:00 pm |                    | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.3                                 |                    |                          |               |
| Halogenated Aliphatics in VOC Water by Headspace GC-MS    |   |                    |                          |               |
| Tetrachloroethene (tetrachloroethylene)                   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00032 | 0.05                     | No            |
| 1,1,1-Trichloroethane                                     | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | -                        | -             |
| 1,1,2-Trichloroethane                                     | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Trichloroethene (trichloroethylene)                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | 0.02                     | No            |
| Trichlorofluoromethane                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00032 | -                        | -             |
| 1,2,3-Trichloropropane                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,1,2-Trichlorotrifluoroethane (Freon 113)                | g/m <sup>3</sup>                          | < 0.0003 ± 0.00027 | -                        | -             |
| Vinyl chloride  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | 0.0003                   | No            |
| Halogenated Aromatics in VOC Water by Headspace GC-MS     |   |                    |                          |               |
| Chlorobenzene (monochlorobenzene)                         | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,2-Dichlorobenzene                                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | 1.5                      | No            |
| 1,3-Dichlorobenzene                                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,4-Dichlorobenzene                                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | 0.4                      | No            |
| 1,2,3-Trichlorobenzene                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00029 | -                        | -             |
| 1,2,4-Trichlorobenzene                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00029 | -                        | -             |
| 1,3,5-Trichlorobenzene                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Bromobenzene  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 2-Chlorotoluene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 4-Chlorotoluene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS |   |                    |                          |               |
| n-Butylbenzene  | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | -                        | -             |
| tert-Butylbenzene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 4-Isopropyltoluene (p-Cymene)                             | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | -                        | -             |
| Isopropylbenzene (Cumene)                                 | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| n-Propylbenzene   | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | -                        | -             |
| sec-Butylbenzene  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Styrene   | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | 0.03                     | No            |
| 1,2,4-Trimethylbenzene                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,3,5-Trimethylbenzene                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Ketones in VOC Water by Headspace GC-MS                   |   |                    |                          |               |
| Acetone   | g/m <sup>3</sup>                          | < 0.05 ± 0.034     | -                        | -             |
| 2-Butanone (MEK)  | g/m <sup>3</sup>                          | < 0.05 ± 0.016     | -                        | -             |
| Methyl tert-butylether (MTBE)                             | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 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 | 0.06                     | No            |
| Bromoform (tribromomethane)                               | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | 0.1                      | No            |
| Chloroform (Trichloromethane)                             | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | 0.4                      | No            |
| Dibromochloromethane                                      | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | 0.15                     | No            |
| Other VOC in Water by Headspace GC-MS                     |   |                    |                          |               |
| Carbon disulphide   | g/m <sup>3</sup>                          | < 0.0005 ± 0.00031 | -                        | -             |
| Naphthalene   | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | -                        | -             |

| Sample Name:                 | ESZ9 Muttons - G01670 27-Apr-2021 1:30 pm |                  | Maximum Acceptable Value | Outside Limit |
|------------------------------|---|------------------|--------------------------|---------------|
| Lab Number:                  | 2596262.4                                 |                  |                          |               |
| Individual Tests             |   |                  |                          |               |
| Turbidity                    | NTU                                       | < 0.05 ± 0.034   | -                        | -             |
| Total Alkalinity             | g/m <sup>3</sup> as CaCO <sub>3</sub>     | 34.8 ± 1.6       | -                        | -             |
| Carbonate                    | g/m <sup>3</sup> at 25°C                  | < 1.0 ± 0.0038   | -                        | -             |
| Bicarbonate                  | g/m <sup>3</sup> at 25°C                  | 42.4 ± 2.3       | -                        | -             |
| Free Carbon Dioxide          | g/m <sup>3</sup> at 25°C                  | 10.2 ± 4.8       | -                        | -             |
| Total Hardness               | g/m <sup>3</sup> as CaCO <sub>3</sub>     | 16.29 ± 0.81     | -                        | -             |
| Total Suspended Solids       | g/m <sup>3</sup>                          | < 3 ± 2.1        | -                        | -             |
| Total Dissolved Solids (TDS) | g/m <sup>3</sup>                          | 143 ± 19         | -                        | -             |
| Dissolved Aluminium          | g/m <sup>3</sup>                          | < 0.003 ± 0.0021 | -                        | -             |

| Sample Type: Aqueous  |   |                       |                           |               |
|---|---|-----------------------|---------------------------|---------------|
| Sample Name:  | ESZ9 Muttons - G01670 27-Apr-2021 1:30 pm |                       | Maximum Acceptable Value  | Outside Limit |
| Lab Number:   | 2596262.4                                 |                       |                           |               |
| Individual Tests  |   |                       |                           |               |
| Dissolved Antimony  | g/m <sup>3</sup>                          | < 0.0002 ± 0.00014    | -                         | -             |
| Dissolved Arsenic   | g/m <sup>3</sup>                          | < 0.0010 ± 0.00067    | -                         | -             |
| Dissolved Barium  | g/m <sup>3</sup>                          | 0.0382 ± 0.0018       | -                         | -             |
| Total Boron   | g/m <sup>3</sup>                          | 0.0102 ± 0.0038       | 1.4                       | No            |
| Dissolved Cadmium   | g/m <sup>3</sup>                          | < 0.00005 ± 0.000034  | -                         | -             |
| Total Calcium   | g/m <sup>3</sup>                          | 2.76 ± 0.12           | -                         | -             |
| Dissolved Chromium  | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034    | -                         | -             |
| Total Copper  | g/m <sup>3</sup>                          | 0.00070 ± 0.00036     | 2                         | No            |
| Total Iron  | g/m <sup>3</sup>                          | < 0.021 ± 0.014       | -                         | -             |
| Dissolved Lead  | g/m <sup>3</sup>                          | < 0.00010 ± 0.000067  | -                         | -             |
| Total Magnesium   | g/m <sup>3</sup>                          | 2.28 ± 0.19           | -                         | -             |
| Total Manganese   | g/m <sup>3</sup>                          | < 0.00053 ± 0.00036   | 0.4                       | No            |
| Dissolved Mercury   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000054  | -                         | -             |
| Dissolved Molybdenum  | g/m <sup>3</sup>                          | < 0.0002 ± 0.00014    | -                         | -             |
| Dissolved Nickel  | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034    | -                         | -             |
| Dissolved Selenium  | g/m <sup>3</sup>                          | < 0.0010 ± 0.00067    | -                         | -             |
| Dissolved Silver  | g/m <sup>3</sup>                          | < 0.00010 ± 0.000067  | -                         | -             |
| Total Sodium  | g/m <sup>3</sup>                          | 13.42 ± 0.81          | -                         | -             |
| Dissolved Tin   | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034    | -                         | -             |
| Total Zinc  | g/m <sup>3</sup>                          | 0.00236 ± 0.00076     | -                         | -             |
| Bromate   | g/m <sup>3</sup>                          | < 0.005 ± 0.0034      | 0.01                      | No            |
| Chloride  | g/m <sup>3</sup>                          | 5.96 ± 0.50           | -                         | -             |
| Fluoride  | g/m <sup>3</sup>                          | 0.083 ± 0.042         | 1.5                       | No            |
| Total Ammoniacal-N  | g/m <sup>3</sup>                          | < 0.010 ± 0.0067      | -                         | -             |
| Nitrite-N   | g/m <sup>3</sup>                          | < 0.002 ± 0.0014      | 0.06<br>0.91 (short term) | No            |
| Nitrate-N   | g/m <sup>3</sup>                          | 0.434 ± 0.053         | 11.3                      | No            |
| Nitrate-N + Nitrite-N                                       | g/m <sup>3</sup>                          | 0.434 ± 0.053         | -                         | -             |
| Reactive Silica   | g/m <sup>3</sup> as SiO <sub>2</sub>      | 88.4 ± 1.8            | -                         | -             |
| Sulphate  | g/m <sup>3</sup>                          | 1.41 ± 0.36           | -                         | -             |
| Non-Purgeable Organic Carbon (NPOC)                         | g/m <sup>3</sup>                          | 0.31 ± 0.21           | -                         | -             |
| Absorbance at 254 nm  | AU cm <sup>-1</sup>                       | < 0.002 ± 0.0021      | -                         | -             |
| Transmittance at 254 nm*                                    | %T, 1 cm cell                             | > 99.5                | -                         | -             |
| Absorbance at 270 nm  | AU cm <sup>-1</sup>                       | < 0.002 ± 0.0021      | -                         | -             |
| Transmittance at 270 nm*                                    | %T, 1 cm cell                             | > 99.5                | -                         | -             |
| Total Coliforms   | cfu / 100mL                               | < 1 #1                | -                         | -             |
| Enterococci   | cfu / 100mL                               | < 1 #1                | -                         | -             |
| Faecal Coliforms and E. coli profile                        |   |                       |                           |               |
| Faecal Coliforms  | cfu / 100mL                               | < 1 #1                | -                         | -             |
| Escherichia coli  | cfu / 100mL                               | < 1 #1                | < 1                       | No            |
| Hazen Colour Profile  |   |                       |                           |               |
| Apparent Hazen Colour                                       | Hazen units                               | < 10 ± 20             | -                         | -             |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |   |                       |                           |               |
| Acetochlor  | g/m <sup>3</sup>                          | < 0.00004 ± 0.00042   | -                         | -             |
| Alachlor  | g/m <sup>3</sup>                          | < 0.00004 ± 0.00018   | 0.02                      | No            |
| Atrazine  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000024  | 0.002                     | No            |
| Atrazine-desethyl   | g/m <sup>3</sup>                          | < 0.00004 ± 0.00041   | -                         | -             |
| Atrazine-desisopropyl                                       | g/m <sup>3</sup>                          | < 0.00008 ± 0.00018   | -                         | -             |
| Azaconazole   | g/m <sup>3</sup>                          | < 0.00002 ± 0.0000071 | -                         | -             |
| Azinphos-methyl   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000036  | 0.004                     | No            |
| Benalaxyl   | g/m <sup>3</sup>                          | < 0.00002 ± 0.0000094 | -                         | -             |
| Bitertanol  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000048  | -                         | -             |
| Bromacil  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000025  | 0.4                       | No            |
| Bromopropylate  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                         | -             |
| Butachlor   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                         | -             |

| Sample Type: Aqueous  |   |                          |               |
|---|---|--------------------------|---------------|
| Sample Name:  | ESZ9 Muttons - G01670 27-Apr-2021 1:30 pm | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.4                                 |                          |               |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |   |                          |               |
| Captan  | g/m <sup>3</sup> < 0.00008 ± 0.000060     | -                        | -             |
| Carbaryl  | g/m <sup>3</sup> < 0.00004 ± 0.000021     | -                        | -             |
| Carbofenothion  | g/m <sup>3</sup> < 0.00004 ± 0.000022     | -                        | -             |
| Carbofuran  | g/m <sup>3</sup> < 0.00004 ± 0.000022     | 0.008                    | No            |
| Chlorfluazuron  | g/m <sup>3</sup> < 0.00004 ± 0.000032     | -                        | -             |
| Chlorothalonil  | g/m <sup>3</sup> < 0.00004 ± 0.000022     | -                        | -             |
| Chlorpyrifos  | g/m <sup>3</sup> < 0.00004 ± 0.000022     | 0.04                     | No            |
| Chlorpyrifos-methyl   | g/m <sup>3</sup> < 0.00004 ± 0.000022     | -                        | -             |
| Chlortoluron  | g/m <sup>3</sup> < 0.00008 ± 0.000062     | 0.04                     | No            |
| Cyanazine   | g/m <sup>3</sup> < 0.00004 ± 0.000021     | 0.0007                   | No            |
| Cyfluthrin  | g/m <sup>3</sup> < 0.00004 ± 0.000027     | -                        | -             |
| 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 ± 0.000083     | -                        | -             |
| 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                    | No            |
| Diphenylamine   | g/m <sup>3</sup> < 0.00008 ± 0.00018      | -                        | -             |
| Diuron  | g/m <sup>3</sup> < 0.00004 ± 0.000023     | 0.02                     | No            |
| 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 ± 0.000079     | -                        | -             |
| Haloxyfop-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                      | No            |
| 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     | 0.1                      | No            |
| Metolachlor   | g/m <sup>3</sup> < 0.00004 ± 0.000021     | 0.01                     | No            |
| Metribuzin  | g/m <sup>3</sup> < 0.00004 ± 0.000027     | 0.07                     | No            |
| Molinate  | g/m <sup>3</sup> < 0.00008 ± 0.000030     | 0.007                    | No            |
| 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                      | No            |
| 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                     | No            |
| 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                      | No            |
| Prochloraz  | g/m <sup>3</sup> < 0.0002 ± 0.000059      | -                        | -             |
| Procymidone   | g/m <sup>3</sup> < 0.00004 ± 0.000021     | 0.7                      | No            |
| Prometryn   | g/m <sup>3</sup> < 0.00002 ± 0.000020     | -                        | -             |
| Propachlor  | g/m <sup>3</sup> < 0.00004 ± 0.000024     | -                        | -             |

| Sample Type: Aqueous  |   |                       |                          |               |
|---|---|-----------------------|--------------------------|---------------|
| Sample Name:  | ESZ9 Muttons - G01670 27-Apr-2021 1:30 pm |                       | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.4                                 |                       |                          |               |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS     |   |                       |                          |               |
| Propanil  | g/m <sup>3</sup>                          | < 0.0002 ± 0.000056   | -                        | -             |
| Propazine   | g/m <sup>3</sup>                          | < 0.00002 ± 0.000020  | 0.07                     | No            |
| Propiconazole   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000033  | -                        | -             |
| Pyriproxyfen  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000033  | 0.4                      | No            |
| Quizalofop-ethyl  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Simazine  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000013  | 0.002                    | No            |
| 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  | -                        | -             |
| Terbacil  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000032  | 0.04                     | No            |
| Terbufos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000011  | -                        | -             |
| Terbumeton  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                        | -             |
| Terbuthylazine  | g/m <sup>3</sup>                          | < 0.00002 ± 0.0000079 | 0.008                    | No            |
| 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                      | No            |
| 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                     | No            |
| Vinclozolin   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000048  | -                        | -             |
| Hydrogen sulphide trace level profile*                          |   |                       |                          |               |
| pH  | pH Units                                  | 6.8 ± 0.2             | -                        | -             |
| Electrical Conductivity (EC)                                    | mS/m                                      | 9.3 ± 0.2             | -                        | -             |
| Sample Temperature*   | °C  | 20.0                  | -                        | -             |
| Un-ionised hydrogen sulphide                                    | g/m <sup>3</sup>                          | < 0.002               | -                        | -             |
| Total Sulphide  | g/m <sup>3</sup>                          | < 0.002 ± 0.0014      | -                        | -             |
| Acid Herbicides Screen in Water by LCMSMS                       |   |                       |                          |               |
| Acifluorfen   | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | -                        | -             |
| 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                     | No            |
| 2,4-Dichlorophenoxybutyric acid (24DB)                          | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | 0.1                      | No            |
| Dicamba   | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | -                        | -             |
| Dichlorprop   | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | 0.1                      | No            |
| 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    | 0.002                    | No            |
| 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                     | No            |
| Oryzalin  | g/m <sup>3</sup>                          | < 0.0006 ± 0.00023    | 0.4                      | No            |
| 2,3,4,6-Tetrachlorophenol (TCP)                                 | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | -                        | -             |
| 2,4,5-trichlorophenoxypropionic acid (245TP, Fenoprop, Silvex)  | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | 0.01                     | No            |
| 2,4,5-Trichlorophenoxyacetic acid (245T)                        | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | 0.01                     | No            |
| Pentachlorophenol (PCP)   | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | 0.009                    | No            |
| Picloram  | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | 0.2                      | No            |
| Quizalofop  | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | -                        | -             |
| Triclopyr   | g/m <sup>3</sup>                          | < 0.0004 ± 0.00021    | 0.1                      | No            |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |   |                       |                          |               |

| Sample Type: Aqueous  |   |                       |                          |               |
|---|---|-----------------------|--------------------------|---------------|
| Sample Name:  | ESZ9 Muttons - G01670 27-Apr-2021 1:30 pm |                       | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.4                                 |                       |                          |               |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |   |                       |                          |               |
| Bendiocarb  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Benodanil   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000039  | -                        | -             |
| Bifenthrin  | g/m <sup>3</sup>                          | < 0.00002 ± 0.0000079 | -                        | -             |
| Bromophos-ethyl   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Bupirimate  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                        | -             |
| Buprofezin  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                        | -             |
| Captafol  | g/m <sup>3</sup>                          | < 0.0002 ± 0.00014    | -                        | -             |
| Carbofenthion   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Carboxin  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000024  | -                        | -             |
| Chlorfenvinphos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Chlorpropham  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000034  | -                        | -             |
| Chlozolinate  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Coumaphos   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000038  | -                        | -             |
| Cyproconazole   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Cyprodinil  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000027  | -                        | -             |
| Demeton-S-methyl  | g/m <sup>3</sup>                          | < 0.00008 ± 0.00018   | -                        | -             |
| Dichlobenil   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Dichlofenthion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Dicofol   | g/m <sup>3</sup>                          | < 0.0002 ± 0.00014    | -                        | -             |
| Dicrotophos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Dinocap   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00012    | -                        | -             |
| Disulfoton  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023  | -                        | -             |
| EPN   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000026  | -                        | -             |
| Esfenvalerate   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Ethion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                        | -             |
| Etrimfos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Famphur   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                        | -             |
| Fenamiphos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Fenarimol   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023  | -                        | -             |
| Fenitrothion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Fenpropathrin   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Fensulfothion   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000026  | -                        | -             |
| Fenthion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000024  | -                        | -             |
| Fenvalerate   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                        | -             |
| Folpet  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000027  | -                        | -             |
| Hexythiazox   | g/m <sup>3</sup>                          | < 0.0002 ± 0.000071   | -                        | -             |
| Imazalil  | g/m <sup>3</sup>                          | < 0.0002 ± 0.000059   | -                        | -             |
| Indoxacarb  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Iodofenphos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000015  | -                        | -             |
| Isazophos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000025  | -                        | -             |
| Isofenphos  | g/m <sup>3</sup>                          | < 0.00002 ± 0.000018  | -                        | -             |
| Leptophos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023  | -                        | -             |
| Methacrifos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Methidathion  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Methiocarb  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000033  | -                        | -             |
| Mevinphos   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000040  | -                        | -             |
| Nitrofen  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000034  | -                        | -             |
| Nitrothal-Isopropyl   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023  | -                        | -             |
| Oxychlorane   | g/m <sup>3</sup>                          | < 0.00002 ± 0.000033  | -                        | -             |
| Penconazole   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022  | -                        | -             |
| Phorate   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000028  | -                        | -             |
| Phosmet   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021  | -                        | -             |
| Phosphamidon  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000057  | -                        | -             |
| Propetamphos  | g/m <sup>3</sup>                          | < 0.00006 ± 0.000027  | -                        | -             |
| Propham   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000023  | -                        | -             |



| Sample Type: Aqueous  |   |                        |                          |               |
|---|---|------------------------|--------------------------|---------------|
| Sample Name:  | ESZ9 Muttons - G01670 27-Apr-2021 1:30 pm |                        | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.4                                 |                        |                          |               |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |   |                        |                          |               |
| Prothiofos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Pyrazophos  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Pyrifenox   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000052   | -                        | -             |
| Pyrimethanil  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021   | -                        | -             |
| Quintozene  | g/m <sup>3</sup>                          | < 0.00008 ± 0.000026   | -                        | -             |
| Sulfotep  | g/m <sup>3</sup>                          | < 0.00004 ± 0.000022   | -                        | -             |
| Tebufenpyrad  | g/m <sup>3</sup>                          | < 0.00002 ± 0.000019   | -                        | -             |
| Tetrachlorvinphos   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021   | -                        | -             |
| Thiometon   | g/m <sup>3</sup>                          | < 0.00008 ± 0.000032   | -                        | -             |
| Triadimefon   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000021   | -                        | -             |
| Organochlorine Pesticides Trace in water, By Liq/Liq            |   |                        |                          |               |
| Aldrin  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| alpha-BHC   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| beta-BHC  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| delta-BHC   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| gamma-BHC (Lindane)   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | 0.002                    | No            |
| cis-Chlordane   | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| trans-Chlordane   | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| 2,4'-DDD  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDD  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| 2,4'-DDE  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDE  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| 2,4'-DDT  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDT  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| Total DDT Isomers   | g/m <sup>3</sup>                          | < 0.00006              | 0.001                    | No            |
| Dieldrin  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Endosulfan I  | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| Endosulfan II   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| Endosulfan sulphate   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| Endrin  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | 0.001                    | No            |
| Endrin aldehyde   | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Endrin ketone   | g/m <sup>3</sup>                          | < 0.000010 ± 0.0000067 | -                        | -             |
| Heptachlor  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Heptachlor epoxide  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Hexachlorobenzene   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000027   | -                        | -             |
| Methoxychlor  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | 0.02                     | No            |
| Polycyclic Aromatic Hydrocarbons Trace in Water, By Liq/Liq     |   |                        |                          |               |
| Acenaphthene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Acenaphthylene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Anthracene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[a]anthracene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[a]pyrene (BAP)  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | 0.0007                   | No            |
| Benzo[b]fluoranthene + Benzo[j]fluoranthene                     | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[g,h,i]perylene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[k]fluoranthene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Chrysene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Dibenzo[a,h]anthracene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Fluoranthene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Fluorene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000055 | -                        | -             |
| Indeno(1,2,3-c,d)pyrene   | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000034 | -                        | -             |
| Naphthalene   | g/m <sup>3</sup>                          | < 0.00004 ± 0.000027   | -                        | -             |
| Phenanthrene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.000013  | -                        | -             |
| Pyrene  | g/m <sup>3</sup>                          | < 0.000005 ± 0.0000057 | -                        | -             |
| BTEX in VOC Water by Headspace GC-MS                            |   |                        |                          |               |

| Sample Type: Aqueous                                      |   |                    |                          |               |
|---|---|--------------------|--------------------------|---------------|
| Sample Name:  | ESZ9 Muttons - G01670 27-Apr-2021 1:30 pm |                    | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.4                                 |                    |                          |               |
| BTEX in VOC Water by Headspace GC-MS                      |   |                    |                          |               |
| Benzene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00032 | 0.01                     | No            |
| Ethylbenzene  | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | 0.3                      | No            |
| Toluene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00060 | 0.8                      | No            |
| m&p-Xylene  | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | -                        | -             |
| o-Xylene  | g/m <sup>3</sup>                          | < 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 | -                        | -             |
| Carbon tetrachloride                                      | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | 0.005                    | No            |
| Chloroethane  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Chloromethane   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,2-Dibromo-3-chloropropane                               | g/m <sup>3</sup>                          | < 0.0003 ± 0.00026 | 0.001                    | No            |
| 1,2-Dibromoethane (ethylene dibromide, EDB)               | g/m <sup>3</sup>                          | < 0.0003 ± 0.00025 | 0.0004                   | No            |
| Dibromomethane  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Dichlorodifluoromethane                                   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | -                        | -             |
| 1,1-Dichloroethane  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,2-Dichloroethane  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | 0.03                     | No            |
| 1,1-Dichloroethene  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00032 | -                        | -             |
| cis-1,2-Dichloroethene                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| trans-1,2-Dichloroethene                                  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | -                        | -             |
| Dichloromethane (methylene chloride)                      | g/m <sup>3</sup>                          | < 0.010 ± 0.0067   | 0.02                     | No            |
| 1,2-Dichloropropane                                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | 0.05                     | No            |
| 1,3-Dichloropropane                                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,1-Dichloropropene                                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| cis-1,3-Dichloropropene                                   | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | -                        | -             |
| trans-1,3-Dichloropropene                                 | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | -                        | -             |
| Hexachlorobutadiene                                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | 0.0007                   | No            |
| 1,1,1,2-Tetrachloroethane                                 | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,1,1,2,2-Tetrachloroethane                               | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Tetrachloroethene (tetrachloroethylene)                   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00032 | 0.05                     | No            |
| 1,1,1-Trichloroethane                                     | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | -                        | -             |
| 1,1,2-Trichloroethane                                     | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Trichloroethene (trichloroethylene)                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | 0.02                     | No            |
| Trichlorofluoromethane                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00032 | -                        | -             |
| 1,2,3-Trichloropropane                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,1,2-Trichlorotrifluoroethane (Freon 113)                | g/m <sup>3</sup>                          | < 0.0003 ± 0.00027 | -                        | -             |
| Vinyl chloride  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00030 | 0.0003                   | No            |
| Halogenated Aromatics in VOC Water by Headspace GC-MS     |   |                    |                          |               |
| Chlorobenzene (monochlorobenzene)                         | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,2-Dichlorobenzene                                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | 1.5                      | No            |
| 1,3-Dichlorobenzene                                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 1,4-Dichlorobenzene                                       | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | 0.4                      | No            |
| 1,2,3-Trichlorobenzene                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00029 | -                        | -             |
| 1,2,4-Trichlorobenzene                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00029 | -                        | -             |
| 1,3,5-Trichlorobenzene                                    | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Bromobenzene  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 2-Chlorotoluene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 4-Chlorotoluene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS |   |                    |                          |               |
| n-Butylbenzene  | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | -                        | -             |
| tert-Butylbenzene   | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| 4-Isopropyltoluene (p-Cymene)                             | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | -                        | -             |
| Isopropylbenzene (Cumene)                                 | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |
| n-Propylbenzene   | g/m <sup>3</sup>                          | < 0.0005 ± 0.00034 | -                        | -             |
| sec-Butylbenzene  | g/m <sup>3</sup>                          | < 0.0003 ± 0.00031 | -                        | -             |

**Sample Type: Aqueous**

| <b>Sample Name:</b>                                       |                  | ESZ9 Muttons - G01670 27-Apr-2021 1:30 pm | <b>Maximum Acceptable Value</b> | <b>Outside Limit</b> |
|---|------------------|---|---------------------------------|----------------------|
| <b>Lab Number:</b>  |                  | 2596262.4                                 |                                 |                      |
| Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS |                  |   |                                 |                      |
| Styrene   | g/m <sup>3</sup> | < 0.0005 ± 0.00034                        | 0.03                            | No                   |
| 1,2,4-Trimethylbenzene                                    | g/m <sup>3</sup> | < 0.0003 ± 0.00031                        | -                               | -                    |
| 1,3,5-Trimethylbenzene                                    | g/m <sup>3</sup> | < 0.0003 ± 0.00031                        | -                               | -                    |
| Ketones in VOC Water by Headspace GC-MS                   |                  |   |                                 |                      |
| Acetone   | g/m <sup>3</sup> | < 0.05 ± 0.034                            | -                               | -                    |
| 2-Butanone (MEK)  | g/m <sup>3</sup> | < 0.05 ± 0.016                            | -                               | -                    |
| Methyl tert-butylether (MTBE)                             | g/m <sup>3</sup> | < 0.0003 ± 0.00031                        | -                               | -                    |
| 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                        | 0.06                            | No                   |
| Bromoform (tribromomethane)                               | g/m <sup>3</sup> | < 0.0003 ± 0.00030                        | 0.1                             | No                   |
| Chloroform (Trichloromethane)                             | g/m <sup>3</sup> | 0.00028 ± 0.00031                         | 0.4                             | No                   |
| Dibromochloromethane                                      | g/m <sup>3</sup> | < 0.0003 ± 0.00030                        | 0.15                            | No                   |
| Other VOC in Water by Headspace GC-MS                     |                  |   |                                 |                      |
| Carbon disulphide   | g/m <sup>3</sup> | < 0.0005 ± 0.00031                        | -                               | -                    |
| Naphthalene   | g/m <sup>3</sup> | < 0.0005 ± 0.00034                        | -                               | -                    |

| <b>Sample Name:</b>          |                                       | ESZ11 Muttons - G01923 27-Apr-2021 1:50 pm | <b>Maximum Acceptable Value</b> | <b>Outside Limit</b> |
|------------------------------|---------------------------------------|--|---------------------------------|----------------------|
| <b>Lab Number:</b>           |                                       | 2596262.5                                  |                                 |                      |
| Individual Tests             |                                       |  |                                 |                      |
| Turbidity                    | NTU                                   | 0.310 ± 0.046                              | -                               | -                    |
| Total Alkalinity             | g/m <sup>3</sup> as CaCO <sub>3</sub> | 39.4 ± 1.8                                 | -                               | -                    |
| Carbonate                    | g/m <sup>3</sup> at 25°C              | < 1.0 ± 0.0055                             | -                               | -                    |
| Bicarbonate                  | g/m <sup>3</sup> at 25°C              | 48.0 ± 2.6                                 | -                               | -                    |
| Free Carbon Dioxide          | g/m <sup>3</sup> at 25°C              | 8.9 ± 4.2                                  | -                               | -                    |
| Total Hardness               | g/m <sup>3</sup> as CaCO <sub>3</sub> | 16.70 ± 0.84                               | -                               | -                    |
| Total Suspended Solids       | g/m <sup>3</sup>                      | < 3 ± 2.1                                  | -                               | -                    |
| Total Dissolved Solids (TDS) | g/m <sup>3</sup>                      | 156 ± 20                                   | -                               | -                    |
| Dissolved Aluminium          | g/m <sup>3</sup>                      | 0.0038 ± 0.0021                            | -                               | -                    |
| Dissolved Antimony           | g/m <sup>3</sup>                      | < 0.0002 ± 0.00014                         | -                               | -                    |
| Dissolved Arsenic            | g/m <sup>3</sup>                      | 0.00206 ± 0.00068                          | -                               | -                    |
| Dissolved Barium             | g/m <sup>3</sup>                      | 0.0351 ± 0.0017                            | -                               | -                    |
| Total Boron                  | g/m <sup>3</sup>                      | 0.0124 ± 0.0039                            | 1.4                             | No                   |
| Dissolved Cadmium            | g/m <sup>3</sup>                      | < 0.00005 ± 0.000034                       | -                               | -                    |
| Total Calcium                | g/m <sup>3</sup>                      | 2.77 ± 0.12                                | -                               | -                    |
| Dissolved Chromium           | g/m <sup>3</sup>                      | < 0.0005 ± 0.00034                         | -                               | -                    |
| Total Copper                 | g/m <sup>3</sup>                      | < 0.00053 ± 0.00036                        | 2                               | No                   |
| Total Iron                   | g/m <sup>3</sup>                      | 0.024 ± 0.015                              | -                               | -                    |
| Dissolved Lead               | g/m <sup>3</sup>                      | < 0.00010 ± 0.000067                       | -                               | -                    |
| Total Magnesium              | g/m <sup>3</sup>                      | 2.38 ± 0.20                                | -                               | -                    |
| Total Manganese              | g/m <sup>3</sup>                      | 0.00571 ± 0.00067                          | 0.4                             | No                   |
| Dissolved Mercury            | g/m <sup>3</sup>                      | < 0.00008 ± 0.000054                       | -                               | -                    |
| Dissolved Molybdenum         | g/m <sup>3</sup>                      | 0.00044 ± 0.00015                          | -                               | -                    |
| Dissolved Nickel             | g/m <sup>3</sup>                      | < 0.0005 ± 0.00034                         | -                               | -                    |
| Dissolved Selenium           | g/m <sup>3</sup>                      | < 0.0010 ± 0.00067                         | -                               | -                    |
| Dissolved Silver             | g/m <sup>3</sup>                      | < 0.00010 ± 0.000067                       | -                               | -                    |
| Total Sodium                 | g/m <sup>3</sup>                      | 15.54 ± 0.94                               | -                               | -                    |
| Dissolved Tin                | g/m <sup>3</sup>                      | < 0.0005 ± 0.00034                         | -                               | -                    |
| Total Zinc                   | g/m <sup>3</sup>                      | 0.0166 ± 0.0016                            | -                               | -                    |
| Bromate                      | g/m <sup>3</sup>                      | < 0.005 ± 0.0034                           | 0.01                            | No                   |
| Chloride                     | g/m <sup>3</sup>                      | 5.95 ± 0.50                                | -                               | -                    |
| Fluoride                     | g/m <sup>3</sup>                      | 0.121 ± 0.043                              | 1.5                             | No                   |
| Total Ammoniacal-N           | g/m <sup>3</sup>                      | < 0.010 ± 0.0067                           | -                               | -                    |
| Nitrite-N                    | g/m <sup>3</sup>                      | < 0.002 ± 0.0014                           | 0.06<br>0.91 (short term)       | No                   |

| Sample Type: Aqueous  |                                      |  |        |                          |               |
|---|--------------------------------------|--|--------|--------------------------|---------------|
| Sample Name:  |                                      | ESZ11 Muttons - G01923 27-Apr-2021 1:50 pm |        | Maximum Acceptable Value | Outside Limit |
| Lab Number:   |                                      | 2596262.5                                  |        |                          |               |
| Individual Tests  |                                      |  |        |                          |               |
| Nitrate-N   | g/m <sup>3</sup>                     | 0.286 ± 0.035                              | 11.3   | No                       |               |
| Nitrate-N + Nitrite-N                                       | g/m <sup>3</sup>                     | 0.286 ± 0.035                              | -      | -                        |               |
| Reactive Silica   | g/m <sup>3</sup> as SiO <sub>2</sub> | 91.7 ± 1.9                                 | -      | -                        |               |
| Sulphate  | g/m <sup>3</sup>                     | 1.70 ± 0.36                                | -      | -                        |               |
| Non-Purgeable Organic Carbon (NPOC)                         | g/m <sup>3</sup>                     | < 0.3 ± 0.20                               | -      | -                        |               |
| Absorbance at 254 nm  | AU cm <sup>-1</sup>                  | 0.0054 ± 0.0021                            | -      | -                        |               |
| Transmittance at 254 nm*                                    | %T, 1 cm cell                        | 98.8                                       | -      | -                        |               |
| Absorbance at 270 nm  | AU cm <sup>-1</sup>                  | 0.0046 ± 0.0021                            | -      | -                        |               |
| Transmittance at 270 nm*                                    | %T, 1 cm cell                        | 98.9                                       | -      | -                        |               |
| Total Coliforms   | cfu / 100mL                          | < 1 #1                                     | -      | -                        |               |
| Enterococci   | cfu / 100mL                          | < 1 #1                                     | -      | -                        |               |
| Faecal Coliforms and E. coli profile                        |                                      |  |        |                          |               |
| Faecal Coliforms  | cfu / 100mL                          | < 1 #1                                     | -      | -                        |               |
| Escherichia coli  | cfu / 100mL                          | < 1 #1                                     | < 1    | No                       |               |
| Hazen Colour Profile  |                                      |  |        |                          |               |
| Apparent Hazen Colour                                       | Hazen units                          | < 10 ± 20                                  | -      | -                        |               |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |                                      |  |        |                          |               |
| Acetochlor  | g/m <sup>3</sup>                     | < 0.00004 ± 0.00042                        | -      | -                        |               |
| Alachlor  | g/m <sup>3</sup>                     | < 0.00004 ± 0.00018                        | 0.02   | No                       |               |
| Atrazine  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000024                       | 0.002  | No                       |               |
| Atrazine-desethyl   | g/m <sup>3</sup>                     | < 0.00004 ± 0.00041                        | -      | -                        |               |
| Atrazine-desisopropyl                                       | g/m <sup>3</sup>                     | < 0.00008 ± 0.00018                        | -      | -                        |               |
| Azaconazole   | g/m <sup>3</sup>                     | < 0.00002 ± 0.0000071                      | -      | -                        |               |
| Azinphos-methyl   | g/m <sup>3</sup>                     | < 0.00008 ± 0.000036                       | 0.004  | No                       |               |
| Benalaxyl   | g/m <sup>3</sup>                     | < 0.00002 ± 0.0000094                      | -      | -                        |               |
| Bitertanol  | g/m <sup>3</sup>                     | < 0.00008 ± 0.000048                       | -      | -                        |               |
| Bromacil  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000025                       | 0.4    | No                       |               |
| Bromopropylate  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000022                       | -      | -                        |               |
| Butachlor   | g/m <sup>3</sup>                     | < 0.00004 ± 0.000021                       | -      | -                        |               |
| Captan  | g/m <sup>3</sup>                     | < 0.00008 ± 0.000060                       | -      | -                        |               |
| Carbaryl  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000021                       | -      | -                        |               |
| Carbofenothion  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000022                       | -      | -                        |               |
| Carbofuran  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000022                       | 0.008  | No                       |               |
| Chlorfluazuron  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000032                       | -      | -                        |               |
| Chlorothalonil  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000022                       | -      | -                        |               |
| Chlorpyrifos  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000022                       | 0.04   | No                       |               |
| Chlorpyrifos-methyl   | g/m <sup>3</sup>                     | < 0.00004 ± 0.000022                       | -      | -                        |               |
| Chlortoluron  | g/m <sup>3</sup>                     | < 0.00008 ± 0.000062                       | 0.04   | No                       |               |
| Cyanazine   | g/m <sup>3</sup>                     | < 0.00004 ± 0.000021                       | 0.0007 | No                       |               |
| Cyfluthrin  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000027                       | -      | -                        |               |
| 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  | No                       |               |
| Diphenylamine   | g/m <sup>3</sup>                     | < 0.00008 ± 0.00018                        | -      | -                        |               |
| Diuron  | g/m <sup>3</sup>                     | < 0.00004 ± 0.000023                       | 0.02   | No                       |               |
| 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                       | -      | -                        |               |

| Sample Type: Aqueous  |  |                       |                          |               |
|---|--|-----------------------|--------------------------|---------------|
| Sample Name:  | ESZ11 Muttons - G01923 27-Apr-2021 1:50 pm |                       | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.5                                  |                       |                          |               |
| OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS |  |                       |                          |               |
| Fluvalinate   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000011  | -                        | -             |
| Furalaxyl   | g/m <sup>3</sup>                           | < 0.00002 ± 0.0000079 | -                        | -             |
| Haloxypop-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                      | No            |
| 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  | 0.1                      | No            |
| Metolachlor   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | 0.01                     | No            |
| Metribuzin  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027  | 0.07                     | No            |
| Molinate  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000030  | 0.007                    | No            |
| 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                      | No            |
| 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                     | No            |
| 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                      | No            |
| Prochloraz  | g/m <sup>3</sup>                           | < 0.0002 ± 0.000059   | -                        | -             |
| Procymidone   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | 0.7                      | No            |
| 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                     | No            |
| Propiconazole   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000033  | -                        | -             |
| Pyriproxyfen  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000033  | 0.4                      | No            |
| Quizalofop-ethyl  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Simazine  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000013  | 0.002                    | No            |
| 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  | -                        | -             |
| Terbacil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000032  | 0.04                     | No            |
| Terbufos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000011  | -                        | -             |
| Terbumeton  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Terbuthylazine  | g/m <sup>3</sup>                           | < 0.00002 ± 0.0000079 | 0.008                    | No            |
| 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                      | No            |
| 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                     | No            |
| Vinclozolin   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000048  | -                        | -             |
| Hydrogen sulphide trace level profile*                      |  |                       |                          |               |
| pH  | pH Units                                   | 6.9 ± 0.2             | -                        | -             |
| Electrical Conductivity (EC)                                | mS/m                                       | 10.1 ± 0.3            | -                        | -             |

| Sample Type: Aqueous  |  |                       |                          |               |
|---|--|-----------------------|--------------------------|---------------|
| Sample Name:  | ESZ11 Muttons - G01923 27-Apr-2021 1:50 pm |                       | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.5                                  |                       |                          |               |
| Hydrogen sulphide trace level profile*                          |  |                       |                          |               |
| Sample Temperature*   | °C   | 20.0                  | -                        | -             |
| Un-ionised hydrogen sulphide                                    | g/m <sup>3</sup>                           | < 0.002               | -                        | -             |
| Total Sulphide  | g/m <sup>3</sup>                           | < 0.002 ± 0.0014      | -                        | -             |
| Acid Herbicides Screen in Water by LCMSMS                       |  |                       |                          |               |
| Acifluorfen   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| 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                     | No            |
| 2,4-Dichlorophenoxybutyric acid (24DB)                          | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.1                      | No            |
| Dicamba   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| Dichlorprop   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.1                      | No            |
| 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    | 0.002                    | No            |
| 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                     | No            |
| Oryzalin  | g/m <sup>3</sup>                           | < 0.0006 ± 0.00023    | 0.4                      | No            |
| 2,3,4,6-Tetrachlorophenol (TCP)                                 | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| 2,4,5-trichlorophenoxypropionic acid (245TP,Fenoprop, Silvex)   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.01                     | No            |
| 2,4,5-Trichlorophenoxyacetic acid (245T)                        | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.01                     | No            |
| Pentachlorophenol (PCP)   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.009                    | No            |
| Picloram  | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.2                      | No            |
| Quizalofop  | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | -                        | -             |
| Triclopyr   | g/m <sup>3</sup>                           | < 0.0004 ± 0.00021    | 0.1                      | No            |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |  |                       |                          |               |
| Bendiocarb  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Benodanil   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000039  | -                        | -             |
| Bifenthrin  | g/m <sup>3</sup>                           | < 0.00002 ± 0.0000079 | -                        | -             |
| Bromophos-ethyl   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Bupirimate  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Buprofezin  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Captafol  | g/m <sup>3</sup>                           | < 0.0002 ± 0.00014    | -                        | -             |
| Carbofenthion   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Carboxin  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000024  | -                        | -             |
| Chlorfenvinphos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Chlorpropham  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000034  | -                        | -             |
| Chlozolinatate  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Coumaphos   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000038  | -                        | -             |
| Cyproconazole   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Cyprodinil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027  | -                        | -             |
| Demeton-S-methyl  | g/m <sup>3</sup>                           | < 0.00008 ± 0.00018   | -                        | -             |
| Dichlobenil   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Dichlofenthion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Dicofol   | g/m <sup>3</sup>                           | < 0.0002 ± 0.00014    | -                        | -             |
| Dicrotophos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Dinocap   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00012    | -                        | -             |
| Disulfoton  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023  | -                        | -             |
| EPN   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000026  | -                        | -             |
| Esfenvalerate   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |
| Ethion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021  | -                        | -             |
| Etrimfos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022  | -                        | -             |

| Sample Type: Aqueous  |  |                        |                          |               |
|---|--|------------------------|--------------------------|---------------|
| Sample Name:  | ESZ11 Muttons - G01923 27-Apr-2021 1:50 pm |                        | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.5                                  |                        |                          |               |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |  |                        |                          |               |
| Famphur   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Fenamiphos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Fenarimol   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023   | -                        | -             |
| Fenitrothion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Fenpropathrin   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Fensulfothion   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000026   | -                        | -             |
| Fenthion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000024   | -                        | -             |
| Fenvalerate   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Folpet  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000027   | -                        | -             |
| Hexythiazox   | g/m <sup>3</sup>                           | < 0.0002 ± 0.000071    | -                        | -             |
| Imazalil  | g/m <sup>3</sup>                           | < 0.0002 ± 0.000059    | -                        | -             |
| Indoxacarb  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Iodofenphos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000015   | -                        | -             |
| Isazophos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000025   | -                        | -             |
| Isofenphos  | g/m <sup>3</sup>                           | < 0.00002 ± 0.000018   | -                        | -             |
| Leptophos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023   | -                        | -             |
| Methacrifos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Methidathion  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Methiocarb  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000033   | -                        | -             |
| Mevinphos   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000040   | -                        | -             |
| Nitrofen  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000034   | -                        | -             |
| Nitrothal-Isopropyl   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023   | -                        | -             |
| Oxychlordane  | g/m <sup>3</sup>                           | < 0.00002 ± 0.000033   | -                        | -             |
| Penconazole   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Phorate   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000028   | -                        | -             |
| Phosmet   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Phosphamidon  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000057   | -                        | -             |
| Propetamphos  | g/m <sup>3</sup>                           | < 0.00006 ± 0.000027   | -                        | -             |
| Propham   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000023   | -                        | -             |
| Prothiofos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Pyrazophos  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Pyrifenox   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000052   | -                        | -             |
| Pyrimethanil  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Quintozene  | g/m <sup>3</sup>                           | < 0.00008 ± 0.000026   | -                        | -             |
| Sulfotep  | g/m <sup>3</sup>                           | < 0.00004 ± 0.000022   | -                        | -             |
| Tebufenpyrad  | g/m <sup>3</sup>                           | < 0.00002 ± 0.000019   | -                        | -             |
| Tetrachlorvinphos   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Thiometon   | g/m <sup>3</sup>                           | < 0.00008 ± 0.000032   | -                        | -             |
| Triadimefon   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000021   | -                        | -             |
| Organochlorine Pesticides Trace in water, By Liq/Liq            |  |                        |                          |               |
| Aldrin  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| alpha-BHC   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| beta-BHC  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| delta-BHC   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| gamma-BHC (Lindane)   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | 0.002                    | No            |
| cis-Chlordane   | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| trans-Chlordane   | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| 2,4'-DDD  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDD  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 2,4'-DDE  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDE  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 2,4'-DDT  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| 4,4'-DDT  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Total DDT Isomers   | g/m <sup>3</sup>                           | < 0.00006              | 0.001                    | No            |
| Dieldrin  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |

| Sample Type: Aqueous  |  |                        |                          |               |
|---|--|------------------------|--------------------------|---------------|
| Sample Name:  | ESZ11 Muttons - G01923 27-Apr-2021 1:50 pm |                        | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.5                                  |                        |                          |               |
| Organochlorine Pesticides Trace in water, By Liq/Liq        |  |                        |                          |               |
| Endosulfan I  | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Endosulfan II   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Endosulfan sulphate   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Endrin  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | 0.001                    | No            |
| Endrin aldehyde   | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Endrin ketone   | g/m <sup>3</sup>                           | < 0.000010 ± 0.0000067 | -                        | -             |
| Heptachlor  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Heptachlor epoxide  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Hexachlorobenzene   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027   | -                        | -             |
| Methoxychlor  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | 0.02                     | No            |
| Polycyclic Aromatic Hydrocarbons Trace in Water, By Liq/Liq |  |                        |                          |               |
| Acenaphthene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Acenaphthylene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Anthracene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[a]anthracene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[a]pyrene (BAP)  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | 0.0007                   | No            |
| Benzo[b]fluoranthene + Benzo[j]fluoranthene                 | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[g,h,i]perylene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Benzo[k]fluoranthene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Chrysene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Dibenzo[a,h]anthracene                                      | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Fluoranthene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Fluorene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000055 | -                        | -             |
| Indeno(1,2,3-c,d)pyrene                                     | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000034 | -                        | -             |
| Naphthalene   | g/m <sup>3</sup>                           | < 0.00004 ± 0.000027   | -                        | -             |
| Phenanthrene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.000013  | -                        | -             |
| Pyrene  | g/m <sup>3</sup>                           | < 0.000005 ± 0.0000057 | -                        | -             |
| BTEX in VOC Water by Headspace GC-MS                        |  |                        |                          |               |
| Benzene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032     | 0.01                     | No            |
| Ethylbenzene  | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034     | 0.3                      | No            |
| Toluene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00060     | 0.8                      | No            |
| m&p-Xylene  | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034     | -                        | -             |
| o-Xylene  | g/m <sup>3</sup>                           | < 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     | -                        | -             |
| Carbon tetrachloride  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | 0.005                    | No            |
| Chloroethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| Chloromethane   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| 1,2-Dibromo-3-chloropropane                                 | g/m <sup>3</sup>                           | < 0.0003 ± 0.00026     | 0.001                    | No            |
| 1,2-Dibromoethane (ethylene dibromide, EDB)                 | g/m <sup>3</sup>                           | < 0.0003 ± 0.00025     | 0.0004                   | No            |
| Dibromomethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| Dichlorodifluoromethane                                     | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | -                        | -             |
| 1,1-Dichloroethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| 1,2-Dichloroethane  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | 0.03                     | No            |
| 1,1-Dichloroethene  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032     | -                        | -             |
| cis-1,2-Dichloroethene                                      | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| trans-1,2-Dichloroethene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | -                        | -             |
| Dichloromethane (methylene chloride)                        | g/m <sup>3</sup>                           | < 0.010 ± 0.0067       | 0.02                     | No            |
| 1,2-Dichloropropane   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | 0.05                     | No            |
| 1,3-Dichloropropane   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| 1,1-Dichloropropene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031     | -                        | -             |
| cis-1,3-Dichloropropene                                     | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034     | -                        | -             |
| trans-1,3-Dichloropropene                                   | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034     | -                        | -             |
| Hexachlorobutadiene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030     | 0.0007                   | No            |



| Sample Type: Aqueous                                      |  |                    |                          |               |
|---|--|--------------------|--------------------------|---------------|
| Sample Name:  | ESZ11 Muttons - G01923 27-Apr-2021 1:50 pm |                    | Maximum Acceptable Value | Outside Limit |
| Lab Number:   | 2596262.5                                  |                    |                          |               |
| Halogenated Aliphatics in VOC Water by Headspace GC-MS    |  |                    |                          |               |
| 1,1,1,2-Tetrachloroethane                                 | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,1,2,2-Tetrachloroethane                                 | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Tetrachloroethene (tetrachloroethylene)                   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032 | 0.05                     | No            |
| 1,1,1-Trichloroethane                                     | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | -                        | -             |
| 1,1,2-Trichloroethane                                     | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Trichloroethene (trichloroethylene)                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | 0.02                     | No            |
| Trichlorofluoromethane                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00032 | -                        | -             |
| 1,2,3-Trichloropropane                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,1,2-Trichlorotrifluoroethane (Freon 113)                | g/m <sup>3</sup>                           | < 0.0003 ± 0.00027 | -                        | -             |
| Vinyl chloride  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | 0.0003                   | No            |
| Halogenated Aromatics in VOC Water by Headspace GC-MS     |  |                    |                          |               |
| Chlorobenzene (monochlorobenzene)                         | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,2-Dichlorobenzene                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | 1.5                      | No            |
| 1,3-Dichlorobenzene                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,4-Dichlorobenzene                                       | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | 0.4                      | No            |
| 1,2,3-Trichlorobenzene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00029 | -                        | -             |
| 1,2,4-Trichlorobenzene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00029 | -                        | -             |
| 1,3,5-Trichlorobenzene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Bromobenzene  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 2-Chlorotoluene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 4-Chlorotoluene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS |  |                    |                          |               |
| n-Butylbenzene  | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | -                        | -             |
| tert-Butylbenzene   | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 4-Isopropyltoluene (p-Cymene)                             | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | -                        | -             |
| Isopropylbenzene (Cumene)                                 | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| n-Propylbenzene   | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | -                        | -             |
| sec-Butylbenzene  | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Styrene   | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | 0.03                     | No            |
| 1,2,4-Trimethylbenzene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 1,3,5-Trimethylbenzene                                    | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| Ketones in VOC Water by Headspace GC-MS                   |  |                    |                          |               |
| Acetone   | g/m <sup>3</sup>                           | < 0.05 ± 0.034     | -                        | -             |
| 2-Butanone (MEK)  | g/m <sup>3</sup>                           | < 0.05 ± 0.016     | -                        | -             |
| Methyl tert-butylether (MTBE)                             | g/m <sup>3</sup>                           | < 0.0003 ± 0.00031 | -                        | -             |
| 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 | 0.06                     | No            |
| Bromoform (tribromomethane)                               | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | 0.1                      | No            |
| Chloroform (Trichloromethane)                             | g/m <sup>3</sup>                           | 0.00057 ± 0.00035  | 0.4                      | No            |
| Dibromochloromethane                                      | g/m <sup>3</sup>                           | < 0.0003 ± 0.00030 | 0.15                     | No            |
| Other VOC in Water by Headspace GC-MS                     |  |                    |                          |               |
| Carbon disulphide   | g/m <sup>3</sup>                           | < 0.0005 ± 0.00031 | -                        | -             |
| Naphthalene   | g/m <sup>3</sup>                           | < 0.0005 ± 0.00034 | -                        | -             |

The Maximum Acceptable Values (MAV) are taken from the publication 'Drinking-water Standards for New Zealand 2005 (Revised 2018)', Ministry of Health. Copies of this publication are available from:  
<https://www.health.govt.nz/publication/drinking-water-standards-new-zealand-2005-revised-2018>

The Maximum Acceptable Values (MAVs) have been defined by the Ministry of Health for parameters of health significance and should not be exceeded. The 'Drinking-water Standards for New Zealand' also contains Guideline Values which are the limits for aesthetic determinands that, if exceeded, may render the water unattractive to consumers. This report compares the results obtained with the Maximum Acceptable Values only.

**Under Section 69ZZ (2) of the Health Act (1965), the laboratory is required to report the results of any analysis or test carried out (for the purposes of testing for compliance with the New Zealand Drinking Water Standards 2005 (Revised 2018)) that indicates any non-compliance (transgression) with the Maximum Acceptable Values (MAVs) to the Drinking Water Assessor.**

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:

[http://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 Statistically estimated count based on the theoretical countable range for the stated method.<br>Please interpret this result with caution as the sample was > 10 °C on receipt at the lab. The sample temperature is recommended by the laboratory's reference methods to be less than 10 °C on receipt at the laboratory (but not frozen). However, it is acknowledged that samples that are transported quickly to the laboratory after sampling, may not have been cooled to this temperature. |

## 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 Laboratories, 28 Duke Street, Frankton, Hamilton 3204.

| Sample Type: Aqueous                     |  |   |           |
|--|--|---|-----------|
| Test                                     | Method Description   | Default Detection Limit                   | Sample No |
| Individual Tests                         |  |   |           |
| Filtration, Glass Fibre                  | Sample filtration through glass fibre filter.  | -   | 1-5       |
| Filtration, Unpreserved                  | Sample filtration through 0.45µm membrane filter.  | -   | 1-5       |
| Total Digestion                          | Nitric acid digestion. APHA 3030 E (modified) 23 <sup>rd</sup> ed. 2017.   | -   | 1-5       |
| Turbidity                                | Analysis by Turbidity meter. APHA 2130 B 23 <sup>rd</sup> ed. 2017 (modified).   | 0.05 NTU                                  | 1-5       |
| pH                                       | pH meter. APHA 4500-H+ B 23 <sup>rd</sup> ed. 2017. Note: It is not possible to achieve the APHA Maximum Storage Recommendation for this test (15 min) when samples are analysed upon receipt at the laboratory, and not in the field. Samples and Standards are analysed at an equivalent laboratory temperature (typically 18 to 22 °C). Temperature compensation is used. | 0.1 pH Units                              | 1-5       |
| Total Alkalinity                         | Titration to pH 4.5 (M-alkalinity), autotitrator. APHA 2320 B (modified for Alkalinity <20) 23 <sup>rd</sup> ed. 2017.   | 1.0 g/m <sup>3</sup> as CaCO <sub>3</sub> | 1-5       |
| Carbonate                                | Calculation: from alkalinity and pH, valid where TDS is not >500 mg/L and alkalinity is almost entirely due to hydroxides, carbonates or bicarbonates. APHA 4500-CO <sub>2</sub> D 23 <sup>rd</sup> ed. 2017.  | 1.0 g/m <sup>3</sup> at 25°C              | 1-5       |
| Bicarbonate                              | Calculation: from alkalinity and pH, valid where TDS is not >500 mg/L and alkalinity is almost entirely due to hydroxides, carbonates or bicarbonates. APHA 4500-CO <sub>2</sub> D 23 <sup>rd</sup> ed. 2017.  | 1.0 g/m <sup>3</sup> at 25°C              | 1-5       |
| Free Carbon Dioxide                      | Calculation: from alkalinity and pH, valid where TDS is not >500 mg/L and alkalinity is almost entirely due to hydroxides, carbonates or bicarbonates. APHA 4500-CO <sub>2</sub> D 23 <sup>rd</sup> ed. 2017.  | 1.0 g/m <sup>3</sup> at 25°C              | 1-5       |
| Total Hardness                           | Calculation from Calcium and Magnesium. APHA 2340 B 23 <sup>rd</sup> ed. 2017.   | 1.0 g/m <sup>3</sup> as CaCO <sub>3</sub> | 1-5       |
| Electrical Conductivity (EC)             | Conductivity meter, 25°C. APHA 2510 B 23 <sup>rd</sup> ed. 2017.   | 0.1 mS/m                                  | 1-5       |
| Total Suspended Solids                   | Filtration using Whatman 934 AH, Advantec GC-50 or equivalent filters (nominal pore size 1.2 - 1.5µm), gravimetric determination. APHA 2540 D (modified) 23 <sup>rd</sup> ed. 2017.  | 3 g/m <sup>3</sup>                        | 1-5       |
| Total Dissolved Solids (TDS)             | Filtration through GF/C (1.2 µm), gravimetric. APHA 2540 C (modified; drying temperature of 103 - 105°C used rather than 180 ± 2°C) 23 <sup>rd</sup> ed. 2017.   | 10 g/m <sup>3</sup>                       | 1-5       |
| Sample Temperature*                      | A nominal sample temperature of 20°C has been assumed by the laboratory.   | 0.1 °C                                    | 1-5       |
| Filtration for dissolved metals analysis | Sample filtration through 0.45µm membrane filter and preservation with nitric acid. APHA 3030 B 23 <sup>rd</sup> ed. 2017.   | -   | 1-5       |

| Sample Type: Aqueous         |  |   |           |
|------------------------------|--|---|-----------|
| Test                         | Method Description   | Default Detection Limit                   | Sample No |
| Dissolved Aluminium          | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.003 g/m <sup>3</sup>                    | 1-5       |
| Dissolved Antimony           | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.0002 g/m <sup>3</sup>                   | 1-5       |
| Dissolved Arsenic            | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.0010 g/m <sup>3</sup>                   | 1-5       |
| Dissolved Barium             | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.005 g/m <sup>3</sup>                    | 1-5       |
| Total Boron                  | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.0053 g/m <sup>3</sup>                   | 1-5       |
| Dissolved Cadmium            | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.00005 g/m <sup>3</sup>                  | 1-5       |
| Total Calcium                | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.053 g/m <sup>3</sup>                    | 1-5       |
| Dissolved Chromium           | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.0005 g/m <sup>3</sup>                   | 1-5       |
| Total Copper                 | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017 / US EPA 200.8.  | 0.00053 g/m <sup>3</sup>                  | 1-5       |
| Total Iron                   | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.021 g/m <sup>3</sup>                    | 1-5       |
| Dissolved Lead               | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.00010 g/m <sup>3</sup>                  | 1-5       |
| Total Magnesium              | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.021 g/m <sup>3</sup>                    | 1-5       |
| Total Manganese              | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017 / US EPA 200.8.  | 0.00053 g/m <sup>3</sup>                  | 1-5       |
| Dissolved Mercury            | 0.45µm filtration, bromine oxidation followed by atomic fluorescence. US EPA Method 245.7, Feb 2005.   | 0.00008 g/m <sup>3</sup>                  | 1-5       |
| Dissolved Molybdenum         | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.0002 g/m <sup>3</sup>                   | 1-5       |
| Dissolved Nickel             | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.0005 g/m <sup>3</sup>                   | 1-5       |
| Dissolved Selenium           | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.0010 g/m <sup>3</sup>                   | 1-5       |
| Dissolved Silver             | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.00010 g/m <sup>3</sup>                  | 1-5       |
| Total Sodium                 | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.021 g/m <sup>3</sup>                    | 1-5       |
| Dissolved Tin                | Filtered sample, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.   | 0.0005 g/m <sup>3</sup>                   | 1-5       |
| Total Zinc                   | Nitric acid digestion, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017 / US EPA 200.8.  | 0.0011 g/m <sup>3</sup>                   | 1-5       |
| Bromate                      | Sample analysed as received, filtered if required. Ion Chromatography. US EPA Method 300.1 Part B (modified).  | 0.005 g/m <sup>3</sup>                    | 1-5       |
| Chloride                     | Filtered sample. Ion Chromatography. APHA 4110 B (modified) 23 <sup>rd</sup> ed. 2017.   | 0.5 g/m <sup>3</sup>                      | 1-5       |
| Fluoride                     | Direct measurement, ion selective electrode. APHA 4500-F <sup>-</sup> C 23 <sup>rd</sup> ed. 2017.   | 0.05 g/m <sup>3</sup>                     | 1-5       |
| Total Ammoniacal-N           | Phenol/hypochlorite colourimetry. Flow injection analyser. (NH <sub>4</sub> -N = NH <sub>4</sub> <sup>+</sup> -N + NH <sub>3</sub> -N). APHA 4500-NH <sub>3</sub> H (modified) 23 <sup>rd</sup> ed. 2017.  | 0.010 g/m <sup>3</sup>                    | 1-5       |
| Nitrite-N                    | Automated Azo dye colorimetry, Flow injection analyser. APHA 4500-NO <sub>2</sub> <sup>-</sup> I (modified) 23 <sup>rd</sup> ed. 2017.   | 0.002 g/m <sup>3</sup>                    | 1-5       |
| Nitrate-N                    | Calculation: (Nitrate-N + Nitrite-N) - NO <sub>2</sub> N. In-House.  | 0.0010 g/m <sup>3</sup>                   | 1-5       |
| Nitrate-N + Nitrite-N        | Total oxidised nitrogen. Automated cadmium reduction, flow injection analyser. APHA 4500-NO <sub>3</sub> <sup>-</sup> I (modified) 23 <sup>rd</sup> ed. 2017.  | 0.002 g/m <sup>3</sup>                    | 1-5       |
| Reactive Silica              | Filtered sample. Heteropoly blue colorimetry. Flow Injection Analyser. APHA 4500-SiO <sub>2</sub> F (modified) 23 <sup>rd</sup> ed. 2017.  | 0.10 g/m <sup>3</sup> as SiO <sub>2</sub> | 1-5       |
| Un-ionised hydrogen sulphide | Calculation from Total Sulphide, Electrical Conductivity, pH and Temperature*.<br><br><b>*Note: For accurate calculation of the un-ionised Hydrogen Sulphide the sample temperature should be taken using a calibrated thermometer at the time of sampling and recorded on the paperwork submitted with the sample. If a sample temperature is not supplied, a nominal temperature of 20°C will show in the results table above and be used in the calculation. In this case, please interpret the un-ionised Hydrogen Sulphide result with caution.</b> APHA 4500-S <sup>2-</sup> H (modified) 23 <sup>rd</sup> ed. 2017. | 0.002 g/m <sup>3</sup>                    | 1-5       |

| Sample Type: Aqueous  |  |                                  |           |
|---|--|----------------------------------|-----------|
| Test  | Method Description   | Default Detection Limit          | Sample No |
| Total Sulphide Trace  | In-line distillation, segmented flow colorimetry. APHA 4500-S <sup>2</sup> -E (modified) 23 <sup>rd</sup> ed. 2017.  | 0.002 g/m <sup>3</sup>           | 1-5       |
| Sulphate  | Filtered sample. Ion Chromatography. APHA 4110 B (modified) 23 <sup>rd</sup> ed. 2017.   | 0.5 g/m <sup>3</sup>             | 1-5       |
| Non-Purgeable Organic Carbon (NPOC)                             | Acidification, purging to remove inorganic C, super-critical persulphate oxidation at 375°C, IR detection. APHA 5310 C (modified) 23 <sup>rd</sup> ed. 2017.   | 0.3 g/m <sup>3</sup>             | 1-5       |
| Absorbance at 254 nm  | Filtered sample. Spectrophotometry, 1cm cell. APHA 5910 B 23 <sup>rd</sup> ed. 2017.   | 0.002 AU cm <sup>-1</sup>        | 1-5       |
| Transmittance at 254 nm*  | Calculation from Absorbance at the specified wavelength.   | 0.5 %T, 1 cm cell                | 1-5       |
| Absorbance at 270 nm  | Filtered sample. Spectrophotometry, 1cm cell. APHA 5910 B 23 <sup>rd</sup> ed. 2017.   | 0.002 AU cm <sup>-1</sup>        | 1-5       |
| Transmittance at 270 nm*  | Calculation from Absorbance at the specified wavelength.   | 0.5 %T, 1 cm cell                | 1-5       |
| Total Coliforms   | Membrane Filtration, Count on mEndo Les agar, Incubation at 35°C for 22-24 hours, Confirmation. APHA 9222 B 23 <sup>rd</sup> ed. 2017.   | 1 cfu / 100mL                    | 1-5       |
| Enterococci   | Membrane filtration, Count on mE agar, Incubated at 41°C for 48 hours, Confirmation. APHA 9230 C (modified) 23 <sup>rd</sup> ed. 2017.   | 1 cfu / 100mL                    | 1-5       |
| Acid Herbicides Screen in Water by LCMSMS                       | LC-MS/MS analysis. In-house.   | 0.0003 - 0.0006 g/m <sup>3</sup> | 1-5       |
| Multiresidue Pesticides Trace in Water by Liq/liq GCMS          | Liquid / liquid extraction, GC-ECD and GC-MS analysis. In-house based on US EPA 8081 and US EPA 8270.  | -                                | 1-5       |
| Polycyclic Aromatic Hydrocarbons Trace in Water, By Liq/Liq     | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.000005 g/m <sup>3</sup>        | 1-5       |
| 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>   | 1-5       |
| Faecal Coliforms and E. coli profile                            |  |                                  |           |
| Faecal Coliforms  | Membrane Filtration, Count on mFC agar, Incubated at 44.5°C for 22 hours, Confirmation. APHA 9222 D 23 <sup>rd</sup> ed. 2017.   | 1 cfu / 100mL                    | 1-5       |
| Escherichia coli  | Membrane filtration, Count on mFC agar, Incubated at 44.5°C for 22 hours, MUG Confirmation. APHA 9222 I 23 <sup>rd</sup> ed. 2017.   | 1 cfu / 100mL                    | 1-5       |
| Hazen Colour Profile  |  |                                  |           |
| Apparent Hazen Colour   | Determined on original sample without filtration or centrifugation, determination by Lovibond colorimeter. Note: Sample pH was verified at the time of analysis. APHA 2120 B (modified) 23 <sup>rd</sup> ed. 2017. | 10 Hazen units                   | 1-5       |
| Multiresidue Extra Pesticides Trace in Water samples by Liq/liq |  |                                  |           |
| Bendiocarb  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00004 g/m <sup>3</sup>         | 1-5       |
| Benodanil   | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00008 g/m <sup>3</sup>         | 1-5       |
| Bifenthrin  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00002 g/m <sup>3</sup>         | 1-5       |
| Bromophos-ethyl   | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00004 g/m <sup>3</sup>         | 1-5       |
| Bupirimate  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00004 g/m <sup>3</sup>         | 1-5       |
| Buprofezin  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00004 g/m <sup>3</sup>         | 1-5       |
| Captafol  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.0002 g/m <sup>3</sup>          | 1-5       |
| Carboxin  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00004 g/m <sup>3</sup>         | 1-5       |
| Chlorfenvinphos   | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00004 g/m <sup>3</sup>         | 1-5       |
| Chlorpropham  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00008 g/m <sup>3</sup>         | 1-5       |
| Chlozolinate  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00004 g/m <sup>3</sup>         | 1-5       |
| Coumaphos   | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00008 g/m <sup>3</sup>         | 1-5       |
| Cyproconazole   | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00004 g/m <sup>3</sup>         | 1-5       |
| Cyprodinil  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00004 g/m <sup>3</sup>         | 1-5       |
| Demeton-S-methyl  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.   | 0.00008 g/m <sup>3</sup>         | 1-5       |

| Sample Type: Aqueous |  |                          |           |
|----------------------|--|--------------------------|-----------|
| Test                 | Method Description   | Default Detection Limit  | Sample No |
| Dichlobenil          | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Dichlofenthion       | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Dicofol              | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.0002 g/m <sup>3</sup>  | 1-5       |
| Dicrotophos          | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Dinocap              | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.0003 g/m <sup>3</sup>  | 1-5       |
| Disulfoton           | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| EPN                  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Esfenvalerate        | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Ethion               | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Etrimfos             | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Famphur              | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Fenamiphos           | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Fenarimol            | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Fenitrothion         | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Fenpropathrin        | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Fensulfothion        | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Fenthion             | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Fenvalerate          | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Folpet               | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00008 g/m <sup>3</sup> | 1-5       |
| Hexythiazox          | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.0002 g/m <sup>3</sup>  | 1-5       |
| Imazalil             | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.0002 g/m <sup>3</sup>  | 1-5       |
| Indoxacarb           | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Iodofenphos          | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Isazophos            | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Isofenphos           | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00002 g/m <sup>3</sup> | 1-5       |
| Leptophos            | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Methacrifos          | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Methidathion         | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Methiocarb           | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Mevinphos            | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00008 g/m <sup>3</sup> | 1-5       |
| Nitrofen             | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00008 g/m <sup>3</sup> | 1-5       |
| Nitrothal-isopropyl  | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Oxychlorane          | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00002 g/m <sup>3</sup> | 1-5       |
| Penconazole          | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |

| Sample Type: Aqueous |  |                          |           |
|----------------------|--|--------------------------|-----------|
| Test                 | Method Description   | Default Detection Limit  | Sample No |
| Phorate              | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00008 g/m <sup>3</sup> | 1-5       |
| Phosmet              | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Phosphamidon         | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Propetamphos         | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00006 g/m <sup>3</sup> | 1-5       |
| Propham              | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Prothiofos           | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Pyrazophos           | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Pyrifenox            | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Pyrimethanil         | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Quintozene           | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00008 g/m <sup>3</sup> | 1-5       |
| Sulfotep             | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Tebufenpyrad         | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00002 g/m <sup>3</sup> | 1-5       |
| Tetrachlorvinphos    | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 g/m <sup>3</sup> | 1-5       |
| Thiometon            | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00008 g/m <sup>3</sup> | 1-5       |
| Triadimefon          | Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270. | 0.00004 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 28-Apr-2021 and 10-May-2021. 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.



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