**ANNEX 2: WATER QUALITY ANALYSES**

1. **Borehole water physical and organic chemical analysis (in mg/L)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Analyses in mg/ℓ**  (Unless specified otherwise) | **Method Identification** | **Sample Identification** | |
| **1** | **2** |
| **Sample Number** | 16047 | 16048 |
| **pH – Value at 25°C** | WLAB065 | 6.9 | 6.9 |
| **Total Dissolved Solids at 180°C** | WLAB003 | 140 | 158 |
| **Total Alkalinity as CaCO3** | WLAB007 | 56 | 56 |
| **Chloride as Cl** | WLAB046 | 14 | 14 |
| **Sulphate as SO4** | WLAB046 | 7 | 7 |
| **Nitrate as N** | WLAB046 | 2.9 | 3.0 |
| **Nitrite as N** | WLAB046 | <0.05 | <0.05 |
| **Silica as SiO2** | WLAB046 | 24 | 24 |
| **Ortho Phosphate as P** | WLAB046 | <0.1 | <0.1 |
| **Dissolved Oxygen as O2** | WLAB040 | 8.1 | 7.9 |
| **Free & Saline Ammonia as N** | WLAB046 | 0.2 | 0.2 |
| **ICP-MS Scan** | WLAB050 | Report: 70247-A | |
| **% Balancing** | --- | 93.7 | 97.7 |

|  |  |  |
| --- | --- | --- |
| **Organic Analyses: Organochlorine Pesticides** | | |
| **Analyses in mg/ℓ**  (Unless specified otherwise) | **Sample Identification** | |
| **1** | **2** |
| **Sample Number** | 16047 | 16048 |
| **Aldrin** | <0.0001 | <0.0001 |
| **Alpha-HCH** | <0.0001 | <0.0001 |
| **Alpha-Chlordane** | <0.0001 | <0.0001 |
| **Beta-HCH** | <0.002 | <0.002 |
| **Delta-HCH** | <0.002 | <0.002 |
| **Dieldrin** | <0.0002 | <0.0002 |
| **Endrin** | <0.001 | <0.001 |
| **Gamma-HCH** | <0.001 | <0.001 |
| **Gamma-Chlordane** | <0.0001 | <0.0001 |
| **Heptachlor** | <0.0001 | <0.0001 |
| **Heptachlor Epoxide Isomer B** | <0.0001 | <0.0001 |
| **Methoxychlor** | <0.0001 | <0.0001 |
| **4,4’-DDD** | <0.0001 | <0.0001 |
| **4,4’-DDE** | <0.0001 | <0.0001 |
| **4,4’-DDT** | <0.0001 | <0.0001 |

|  |  |  |
| --- | --- | --- |
| **Organic Analyses: Organophosphorus Pesticides** | | |
| **Analyses in mg/ℓ**  (Unless specified otherwise) | **Sample Identification** | |
| **1** | **2** |
| **Sample Number** | 16047 | 16048 |
| **Dichlorvos** | <0.020 | <0.020 |
| **Fenchlorphos (Ronnel)** | <0.001 | <0.001 |
| **Methyl Parathion** | <0.001 | <0.001 |
| **Chlorpyrofos (Dursban)** | <0.001 | <0.001 |
| **Proyhiofos (Tokuthion)** | <0.001 | <0.001 |
| **Mocap (Enthoprofos)** | <0.001 | <0.001 |
| **Disulfoton** | <0.001 | <0.001 |
| **Guthion** | <0.020 | <0.020 |

|  |  |  |
| --- | --- | --- |
| **ICP-MS Scan** | WLAB050 | Report: 70247-A |