**ANNEX 2: WATER QUALITY ANALYSES**

1. **Borehole water metal analysis (in** **mg/L)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Ag** | **Al** | **As** | **Au** | **B** | **Ba** | **Be** | **Bi** | **Ca** | **Cd** | **Ce** | **Co** |
| **Sample 1** | < 0.010 | < 0.100 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | 13 | < 0.010 | < 0.010 | < 0.010 |
| **Sample 2** | < 0.010 | < 0.100 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | 15 | < 0.010 | < 0.010 | < 0.010 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Cr** | **Cs** | **Cu** | **Dy** | **Er** | **Eu** | **Fe** | **Ga** | **Gd** | **Ge** | **Hf** | **Hg** |
| **Sample 1** | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.025 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| **Sample 2** | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.025 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Ho** | **In** | **Ir** | **K** | **La** | **Li** | **Lu** | **Mg** | **Mn** | **Mo** | **Na** | **Nb** |
| **Sample 1** | < 0.010 | < 0.010 | < 0.010 | 1.1 | < 0.010 | < 0.010 | < 0.010 | 10 | < 0.025 | < 0.010 | 3 | < 0.010 |
| **Sample 2** | < 0.010 | < 0.010 | < 0.010 | 1.2 | < 0.010 | < 0.010 | < 0.010 | 10 | < 0.025 | < 0.010 | 4 | < 0.010 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Nd** | **Ni** | **Os** | **P** | **Pb** | **Pd** | **Pr** | **Pt** | **Rb** | **Rh** | **Ru** | **Sb** |
| **Sample 1** | < 0.010 | < 0.010 | < 0.010 | 0.082 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| **Sample 2** | < 0.010 | < 0.010 | < 0.010 | 0.234 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Sc** | **Se** | **Si** | **Sm** | **Sn** | **Sr** | **Ta** | **Tb** | **Te** | **Th** | **Ti** | **Tl** |
| **Sample 1** | < 0.010 | < 0.010 | 11.9 | < 0.010 | < 0.010 | 0.068 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | 0.017 | < 0.010 |
| **Sample 2** | < 0.010 | < 0.010 | 11.3 | < 0.010 | < 0.010 | 0.069 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Tm** | **U** | **V** | **W** | **Y** | **Yb** | **Zn** | **Zr** |  |  |  |  |
| **Sample 1** | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | 0.037 | < 0.010 |  |  |  |  |
| **Sample 2** | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | 0.052 | < 0.010 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

**Laboratory: WATERLAB (Pty) Ltd**

**Method:** ICP-MS Scan WLAB050 (Report: 70247-A)