**NPL Environmental Radioactivity PTE 2024/25 - Techniques Form**

**Please state briefly the measurement technique used for each nuclide, and any standard sources used.**

|  |
| --- |
| **Lab number: *(please insert)*** |
| **Sample type** | **Nuclide** | **Radiochemistry Applied****(if any)** | **Detection Technique** | **Tracers Used****(if any)** |
| **Alpha Beta (AB)** | **H-3** |  |  |  |
| **Ni-63** |  |  |
| **Sr-90** |  |  |
| **U-238** |  |  |
| **Gross Beta** |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample type** | **Nuclide** | **Radiochemistry Applied****(if any)** | **Detection Technique** | **Tracers Used****(if any)** |
| **Alpha One (A1)** | **Np-237** |  |  |  |
| **U-238** |  |  |
| **Am-241** |  |  |
| **Gross Alpha** |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample type** | **Nuclide** | **Radiochemistry Applied****(if any)** | **Detection Technique** | **Tracers Used****(if any)** |
| **Beta One (B1)** | **H-3** |  |  |  |
| **C-14** |  |  |
| **Tc-99** |  |  |
| **Gross Beta** |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample type** | **Nuclide** | **Radiochemistry Applied****(if any)** | **Detection Technique** | **Tracers Used****(if any)** |
| **Gamma High (GH)** | **Mn-54** |  |  |  |
| **Co-57** |
| **Zn-65** |
| **Ba-133** |
| **Cs-137** |
| **Gamma Low (GL)** | **Y-88** |  |  |  |
| **Ce-139** |  |  |  |
| **Pb-210** |  |  |  |
| **Am-241** |  |  |  |