|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Staff** | | | | **Project** | | | |
| **Date Sampled** | | | | Groundwater General | | Groundwater Nitrates | |
| **Date Sent to Lab** | | | | Groundwater SoE | | Groundwater IGNS | |
| **Run Name** | | | | | | | |
| **Sample ID** | | | **Sampled from** Tap / Pump / Other | | | | |
| **Well ID** | | | **Wind conditions** calm / light / moderate / strong | | | | |
| **Well Owner** | | | **Percent cloud cover %** | | | | |
| **Sample collection time (NZST)** | | | **Flow rate** | | | | |
| **Weather** | | | **Appearance** Clear / Turbid | | | | |
| **Colour** | | | **Meter ID** | | | | |
| **Depth to water (m)** | | | **Druck Pressure (bar)** | | | | |
| **Depth to water measured from** (point) | | | | | | | |
| **Distance from measurement point to ground** | | | | | | | |
| **Comments** | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |
| **Purge start time** | | | | **Purge end time** | | | |
| **Bore purge calculation**  *Standing water volume (in litres) =* ***((π x r2 ) x L) x 1000***  *Where: π = pi = 3.142*  *r = radius of bore casing i.e. half the inner diameter (in meters)*  *L = total bore depth subtract the depth to water (in meters)*  **Note:** Remember to multiply the standing water volume by three to get the required single purge volume  *Single Purge Volume = Standing water volume x 3* | | | | | | | |
| **Well purge volume = (L)** | | | | **Well purge time = (minutes)** | | | |
| **Purging criteria** | **Volume 1** | **Volume 2** | | | **Volume 3** | | **Volume 4** |
| **Purge volume** |  |  | | |  | |  |
| **Temperature (oC)** |  |  | | |  | |  |
| **Barometric P (mbars)** |  |  | | |  | |  |
| **DO (%)** |  |  | | |  | |  |
| **DO (mg/L)** |  |  | | |  | |  |
| **SP. Cond (*µ*S/cm)** |  |  | | |  | |  |
| **PH** |  |  | | |  | |  |
| **ORP** |  |  | | |  | |  |