**CATIONS(MICROS) WORKSHEET**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Registration No.** | | ${registration\_no} | **Analyst:** | ${analyst} | | **Page:** | | ${pg} | **Of** | ${pgOf} |
| **Equipment Id:** | Chem 025/026 | | **Pipette Id:** | | ${pipette\_id} | **Date:** | ${date} | | | |

|  |  |  |
| --- | --- | --- |
| **Reagent/consumable used** | **Batch number** | **Expiry date** |
| ICP Standard Solution | ${ICP\_Standard\_Solution} | ${ICP\_Standard\_Solution\_exp\_date} |
| ICP QC | ${ICP\_QC} | ${ICP\_QC\_exp\_date} |
| Argon Gas 5.0 | ${Argon\_Gas\_5.0} | ${Argon\_Gas\_5.0\_exp\_date} |
| De-ionised water | ${De-ionized\_water} | ${De-ionized\_water\_exp\_date} |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample no. | Zn(mg/l) | | Fe(mg/l) | Mn (mg/l) | Cu(mg/l) | Ba (mg/l) | B (mg/l) | Al (mg/l) | Pb (mg/l) |
|  | Dilution | Final reading |  |  |  |  |  |  |  |
| ${sample\_no} | ${test1\_dil} | ${test1} | ${test2} | ${test3} | ${test4} | ${test5} | ${test6} | ${test7} | ${test8} |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| QC Standard used  0.5mg/l | Criteria | Reading | QC Standard used  0.5mg/l | Criteria | Reading |
| Zn | 0.466-0.534 | ${test1\_std} | Ba | 0.470-0.530 | ${test5\_std} |
| Fe | 0.468-0.532 | ${test2\_std} | B | 0.470-0.530 | ${test6\_std} |
| Mn | 0.479-0.521 | ${test3\_std} | Al | 0.470-0.530 | ${test7\_std} |
| Cu | 0.466-0.535 | ${test4\_std} | Pb | 0.480-0.520 | ${test8\_std} |

**Acceptance criteria: Check above table**

Checked by:\_\_\_\_\_\_\_\_\_\_\_\_\_ date: \_\_\_\_\_\_\_\_

Verified by: \_\_\_\_\_\_\_\_\_\_\_\_\_ date: \_\_\_\_\_\_\_\_

Accept Reject