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| [DWA Home Page](http://www.dwa.gov.za/) | | DEPARTMENT OF WATER AND SANITATIONWATER MANAGEMENT SYSTEM Office name / Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Telephone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | | | | | | |
| **Submitted by** | | | | |  | | | | | | | | | | | | | | | | | | | | | |
| **Contact telephone number** | | | | |  | | | | | | | | | | | | | | | | | | | | | |
| **Region** | | | | |  | | | | | | | | | | | | | | | | | | | | | |
| **Date** | | | | |  | | | | | | | | | | | | | | | | | | | | | |
| **Analyst** (Laboratory or Monitor): | | | | | | | | | |  | | | | | | | | | | | | | | | |
| Monitoring Variable name: | | |  | | | | | | | | Reference for Analysis Method | | | | | | | |  | | | | | | |
| Sample | | | | | | | |  | | Observation (If selected, supply the Observation type below) | | | | | | | | | | | | | |  | |
| Observation Type | | Field Reading | | | |  | Logger | | | | | |  | Profile | |  | Residual CI | | |  | Secchi | | | |  |
| Analysis method description: | |  | | | | | | | | | | | | | | | | | | | | | | | |
| Instrumentation for Analysis or Measurement: | |  | | | | | | | | | | | | | | | | | | | | | | | |
| **For use by the IWQS** | | | | | | | | | | | | | | | | | | | | | | | | | |
| WMS ID number of variable | | | | |  | | | | WMS ID number of Analysis Method | | | | | | | | | | | | |  | | | |
| Detection limit: | | |  | | | | | | | | | Measuring unit: | | | | | |  | | | | | | | |
| Start date of analysis method at laboratory: | | |  | | | | | | | | | End date: | | |  | | | Valid Decimal: | | | | |  | | |
| Sample Container: | | | | | | | | | | | |  | | | | | | | | | | | | | |
| Preservative: | |  | | | | | | | | | | Shelf life of sample (hrs): | | | | | |  | | | | | | | |
| Monitoring Variable name: | | |  | | | | | | | | Reference for Analysis Method | | | | | | | |  | | | | | | |
| Sample | | | | | | | |  | | Observation (If selected, supply the Observation type below) | | | | | | | | | | | | | |  | |
| Observation Type | | Field Reading | | | |  | Logger | | | | | |  | Profile | |  | Residual CI | | |  | Secchi | | | |  |
| Analysis method description: | |  | | | | | | | | | | | | | | | | | | | | | | | |
| Instrumentation for Analysis or Measurement: | |  | | | | | | | | | | | | | | | | | | | | | | | |
| **For use by the IWQS** | | | | | | | | | | | | | | | | | | | | | | | | | |
| WMS ID number of variable | | | | |  | | | | WMS ID number of Analysis Method | | | | | | | | | | | | |  | | | |
| Detection limit: | | |  | | | | | | | | | Measuring unit: | | | | | |  | | | | | | | |
| Start date of analysis method at laboratory: | | |  | | | | | | | | | End date: | | |  | | | Valid Decimal: | | | | |  | | |
| Sample Container: | | | | | | | | | | | |  | | | | | | | | | | | | | |
| Preservative: | |  | | | | | | | | | | Shelf life of sample (hrs): | | | | | |  | | | | | | | |

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| Monitoring Variable name: | |  | | | | | | | Reference for Analysis Method | | | | | | | |  | | | | | | |
| Sample | | | | | |  | | Observation (If selected, supply the Observation type below) | | | | | | | | | | | | | |  | |
| Observation Type | Field Reading | | |  | Logger | | | | | |  | Profile | |  | Residual CI | | |  | Secchi | | | |  |
| Analysis method description: |  | | | | | | | | | | | | | | | | | | | | | | |
| Instrumentation for Analysis or Measurement: |  | | | | | | | | | | | | | | | | | | | | | | |
| **For use by the IWQS** | | | | | | | | | | | | | | | | | | | | | | | |
| WMS ID number of variable | | |  | | | | WMS ID number of Analysis Method | | | | | | | | | | | | |  | | | |
| Detection limit: | |  | | | | | | | | Measuring unit: | | | | | |  | | | | | | | |
| Start date of analysis method at laboratory: | |  | | | | | | | | End date: | | |  | | | Valid Decimal: | | | | |  | | |
| Sample Container: | | | | | | | | | |  | | | | | | | | | | | | | |
| Preservative: |  | | | | | | | | | Shelf life of sample (hrs): | | | | | |  | | | | | | | |
| Monitoring Variable name: | |  | | | | | | | Reference for Analysis Method | | | | | | | |  | | | | | | |
| Sample | | | | | |  | | Observation (If selected, supply the Observation type below) | | | | | | | | | | | | | |  | |
| Observation Type | Field Reading | | |  | Logger | | | | | |  | Profile | |  | Residual CI | | |  | Secchi | | | |  |
| Analysis method description: |  | | | | | | | | | | | | | | | | | | | | | | |
| Instrumentation for Analysis or Measurement: |  | | | | | | | | | | | | | | | | | | | | | | |
| **For use by the IWQS** | | | | | | | | | | | | | | | | | | | | | | | |
| WMS ID number of variable | | |  | | | | WMS ID number of Analysis Method | | | | | | | | | | | | |  | | | |
| Detection limit: | |  | | | | | | | | Measuring unit: | | | | | |  | | | | | | | |
| Start date of analysis method at laboratory: | |  | | | | | | | | End date: | | |  | | | Valid Decimal: | | | | |  | | |
| Sample Container: | | | | | | | | | |  | | | | | | | | | | | | | |
| Preservative: |  | | | | | | | | | Shelf life of sample (hrs): | | | | | |  | | | | | | | |
| Monitoring Variable name: | |  | | | | | | | Reference for Analysis Method | | | | | | | |  | | | | | | |
| Sample | | | | | |  | | Observation (If selected, supply the Observation type below) | | | | | | | | | | | | | |  | |
| Observation Type | Field Reading | | |  | Logger | | | | | |  | Profile | |  | Residual CI | | |  | Secchi | | | |  |
| Analysis method description: |  | | | | | | | | | | | | | | | | | | | | | | |
| Instrumentation for Analysis or Measurement: |  | | | | | | | | | | | | | | | | | | | | | | |
| **For use by the IWQS** | | | | | | | | | | | | | | | | | | | | | | | |
| WMS ID number of variable | | |  | | | | WMS ID number of Analysis Method | | | | | | | | | | | | |  | | | |
| Detection limit: | |  | | | | | | | | Measuring unit: | | | | | |  | | | | | | | |
| Start date of analysis method at laboratory: | |  | | | | | | | | End date: | | |  | | | Valid Decimal: | | | | |  | | |
| Sample Container: | | | | | | | | | |  | | | | | | | | | | | | | |
| Preservative: |  | | | | | | | | | Shelf life of sample (hrs): | | | | | |  | | | | | | | |

Please duplicate the tables or form to record more variables.

For any queries please contact: Cornelius Bankoes or Triana Louw e-mail: [wms@dwaf.gov.za](mailto:wms@dwaf.gov.za)

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| This form is an abridged version of the **MONITORING VARIABLES AND ANALYSIS METHODS** form and is to be used by an Analyst to supply the data required to record analysis methods of monitoring variables that is analysed by the Laboratory, or measured by a monitor for **monitoring variables existing** on WMS.  If a new Monitoring Variable must be recorded the **MONITORING VARIABLES AND ANALYSIS METHODS** form must be used. |

**Example of the data to record an analysis method for an Analyst.**

|  |  |  |
| --- | --- | --- |
| **Analyst** (Laboratory or Monitor): DEPARTMENT OF WATER AFFAIRS AND FORESTRY-INSTITUTE FOR WATER QUALITY STUDIES | | |
| Monitoring Variable: Al (or Aluminium) | Reference for Analysis Method: IWQS LIMS method 0013106 | |
| Analysis method description: ICP EMISSION SPECTROSCOPY, FILTER SAMPLE THROUGH .45 UM MEMBRANE, ACIDIFY TO PH<2, MEASURE AT 308.215NM | | |
| Detection limit: 0.052 | Measuring unit: mg/l | |
| Start date of analysis method at laboratory: 1993-02-10 | End date**\*1**: 9999-12-31 | Valid Decimal **\*2**: 3 |
| Sample Container: 350ML RED PLASTIC BOTTLE | | |
| Preservative: NONE | | Shelf life**\*3** of sample (hrs): 720 |

**NOTE:**

An **Analyst** is a Laboratory that analyses samples or a Monitor that does field observations.

**\*1** An analysis method used by an analyst has a start date and an end date. If the method is “on going” the end date is 9999-12-31. An analysis method that is no longer used by an analyst has an end date. More than one analysis method, each with its own start - and end dates can be recorded for an analyst.

**\*2** The Valid Decimal is the number of decimals used to report the result.

**\*3** The Shelf Life is the time period in hours from when the sample is taken until it is no longer fit for analysis (constituents measured does not accurately reflect the condition of the sample when it was taken). The shelf life can be extended with preservatives.

If the Analysis Method is a field observation, no container, preservative or shelf life is required.

**This example (page) may be deleted when submitting the information.**