**2016 Integrated Report (IR)**

**Call for Data: Data Quality Matrix**

**Data Validation Criteria for E. coli**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Quality Grade Level** | **Assessment Program Data Uses** | **Quality Assurance Project Plan (QAPP)** | **Sampling Analysis Plan (SAP)** | **Standard Operating Procedures (SOPs)** | **EPA Approved Method** | **Demonstration of Capability (Annual)** | **Data** | **Field Documentation** | **QA/QC** | **Geo Information** | **NIST Thermometer for Incubator** |
| **A** | **No IR QAQC Flags:** 305(b) and 303(d) Assessment; Targeted Monitoring Planning | Approved QAPP | Approved SAP | DWQ E. coli Sample Collection  &  DWQ E. coli Sample Analysis | IDEXX Colilert | Available on request | Submitted in template on time | Bench Sheet Present and Complete | 1)holding times met  2)Incubation period met  3)QA info about materials present | Provided | Certification available on request |
| **B** | **IR QAQC Flags will be populated and Best Professional Judgment May Be Used:** 305(b) and 303(d) Assessment; Targeted Monitoring Planning | Not Submitted | Approved SAP | DWQ E. coli Sample Collection  &  DWQ E. coli Sample Analysis | IDEXX Colilert | Available for DWQ review  or  acknowledgement of SOP | Submitted in template after deadline  or  Not submitted in template | Bench Sheet Present but incomplete | 1)out of holding time  2)Incubation period met or exceeded  3)QA info about materials not present | Provided | NIST certification not available |
| **C** | Targeted Monitoring Planning Only, Priority for Follow Up Monitoring | Not Submitted | No SAP | DWQ E. coli Sample Collection  &  DWQ E. coli Sample Analysis | IDEXX Colilert or EasyGel | missing or unavailable | Submitted in template after deadline  or  Not submitted in template | missing or unavailable | information not provided | Provided | No information available |
| **D** | Not used by the Assessment Program | Not Submitted | Missing or Unavailable | Missing or Unavailable | Easy Gel or IDEXX | Missing or Unavailable |  | Missing or Unavailable | Information not provided | Not provided | No information available |