GW Monitoring Framework

Start

Monitoring Stage?

Detection Monitoring → Any Detects in Background?
- N → Use Double Quantification Rule
- Y → Check Intrawell vs. Interwell → Upgradient to Downgradient Comparison OK?
  - Y → Interwell Tests
  - N → Intrawell Tests

Corrective Action → Apparent Trend in Compliance Data?
- N → Upper Confidence Limit on Mean or Median
- Y → Upper Confidence Band Around Trend Line

Assessment Monitoring → MCL or Limit Exists?
- Y → Apparent Trend in Compliance Data?
- N → Comparison to Background → Compute Tolerance Limit on Background as Compliance Limit → Apparent Trend in Compliance Data?
  - Y → Lower Confidence Band Around Trend Line
  - N → Lower Confidence Limit on Mean or Median