

BOD₅/CBOD₅ Reporting Limit Policy

(NC WW/GW LCB 08/09/2023)

Only bottles giving a minimum Dissolved Oxygen (DO) depletion of 2.0 mg/L and a residual DO of 1.0 mg/L after 5 days of incubation are considered to produce valid data. It is not acceptable to elevate the reporting limit and report as less than the value that would have been obtained if the dilution had depleted the required 2.0 mg/L. It is required that the data be flagged as a quality control failure if it does not deplete the 2.0 mg/L.

The only exception to this is when a 100% sample does not deplete 2.0 mg/L. In this case, report the results without qualification as calculated or as <2.0 mg/L. The laboratory must be consistent in applying whichever option is chosen and this must be clearly outlined in the SOP.