

Potential Discrepancy in Chlorophyll A and B Results

December 4, 2003

Dear Water Quality partner:

Attached is a link to a USGS Technical Memorandum regarding:

“Revision of the Procedure Used to Calculate Concentrations of Chlorophyll a and b in Phytoplankton and Periphyton by High-Performance Liquid Chromatography.”

This memo describes adjustments that may be necessary for chlorophyll a (chl a) and chlorophyll b (chl b) results that were determined by **high-performance liquid chromatography with fluorescence detection (Britton and Greeson, eds., 1977, revised 1987)**.

If you do not use nor plan to use this HPLC method for analyzing Chl a and b, then please disregard this memo. Otherwise, please read the memo carefully to understand the time period and the circumstances involved. Any questions regarding the method mentioned in the memo may be directed to Rob Buda at the DEP Central Lab (850-245-8159, Rob.Buda@dep.state.fl.us).

If your agency has been reporting values for chlorophyll a or chlorophyll b from any lab using this method, these adjustments may be required for data in the Florida STORET database. Please advise your STORET coordinator as soon as possible if this is the case.

Thank you

http://nwql.usgs.gov/Public/tech_memos/nwql.02-02.html