## NORTH CAROLINA DENR/DWQ WASTEWATER/GROUNDWATER LABORATORY CERTIFICATION

## MEMORANDUM

DATE: August 10, 1998

TO: All Certified Labs

FROM: James W. Meyer

SUBJECT: Standardization of Titrants

This is to help clear up confusion over which titrametric parameter titrants must be standardized each time analysis is performed and which must be standardized monthly.

Those titrametric parameters which must be standardized each time analysis is performed are Chloride and Mardness. These methods require the analysis of a primary standard each time, and if the standard does not have a recovery of 100%, a new normality/molarity must be calculated and all GC and sample results calculated using the new normality/molarity factor derived from the standardization. For any method which requires the use of FAS as a titrant, the titrant must be standardized daily.

All certified titrants which are purchased, may be used initially without standardization. They must be standardized after one month; and they must be standardized monthly, thereafter, for as long as they are used. If the normality changes, a new titrant must be purchased, or the results must be calculated by a factor derived from the new adjusted normality.

Quality control standards do not take the place of standardizing the titrants.

If you have questions or need additional information, please contact us 919-733-3908.