



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 26 2006

OFFICE OF
WATER

Joseph Platano
President
Westco Scientific Instruments Inc.
12 Precision Road
Danbury CT 06810

We are pleased to inform you that the Engineering and Analytical Support Branch (EASB) has determined that Westco Scientific's SmartChem Method 210-200B [Revision Date January 28, 2004] for the determination of ammonia nitrogen in water, is an acceptable version of EPA Method 350.1 approved at 40 CFR Part 136, and may be used for National Pollutant Discharge Elimination System (NPDES) wastewater compliance monitoring.

SmartChem Method 210-200B determines ammonia nitrogen by discreet analysis. The sample is buffered to a pH of 9.5 with a borate buffer to decrease the hydrolysis of cyanates and organic nitrogen compounds, and is distilled into a 2% solution of boric acid or 0.04 N H₂SO₄. Ammonia reacts with alkaline phenol and then hypochlorite to form indophenol blue (Berthelot reaction). The amount of color developed is proportional to the concentration of ammonia in the sample. The color is further intensified through the addition of sodium nitroprusside and is measured colorimetrically.

We appreciate your interest in the development of environmental monitoring methods. If you have any questions regarding the review of this alternate test procedure (ATP Case No. N03-0036, please contact me by email at oshiro.robin@epa.gov or by telephone at 202-566-1075 at your convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Robin K. Oshiro".

Robin K. Oshiro
ATP Coordinator
Engineering and Analysis Division (4303 T)
Engineering and Analytical Support Branch

cc:
USEPA Regional Administrators (all Regions)
Quality Assurance Managers (all Regions)
ATP Coordinators (all Regions)
Water Management Division Directors (all Regions)
Danielle Carter, CSC, SCC