



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

OFFICE OF
WATER

Lynn Egan
Applications Chemist
Lachat Instruments
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Loveland, CO 80539-0389

DEC 17 2004

Dear Ms. Egan:

The Statistics and Analytical Support Branch (SASB) and the Office of Ground Water and Drinking Water's Technical Support Center (OGWDW/TSC) have completed technical review of the materials submitted in support of the following applications for approval of alternate test procedures (ATPs) for use in wastewater and drinking water compliance monitoring.

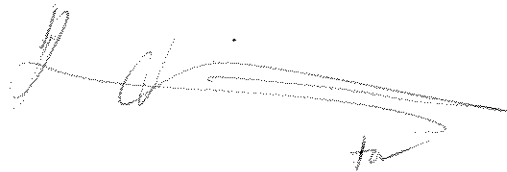
QuickChem Method Number [Revision Date]	Analyte	ATP Case No's. (drinking water, wastewater)
10-117-07-1-A [09/13/2000]	Chloride	D03-0003, N03-0003
10-117-07-1-B [03/23/2001]	Chloride	D03-0004, N03-0004

We are pleased to inform you that in the judgement of our technical staff the above methods are acceptable versions of EPA Method 325.2 for the determination of chloride in wastewater and may be used for National Pollutant Discharge Elimination System (NPDES) compliance monitoring. QuickChem Methods 10-117-07-1-A and 10-117-07-1-B, and EPA Method 325.2 determine chloride by the same chemical reaction. Thiocyanate ion is liberated from mercuric thiocyanate by sequestration of mercury by chloride ions to form mercuric chloride. In the presence of ferric ion, the liberated thiocyanate ion forms the highly colored ferric thiocyanate the absorbance of which is measured colorimetrically at 480 nm., and is directly proportional to the concentration of chloride ion in the sample.

With regard to drinking water compliance monitoring, QuikChem Methods 10-117-07-1-A and 10-117-07-1-B are used to measure chloride. Chloride is included in the National Secondary Drinking Water Regulations (NSDWRs) at 40 CFR 143.3. Per 40 CFR 143.1, NSDWRs "are not Federally enforceable but are intended as guidelines for the States." However, EPA believes this method would be acceptable for measuring chloride in drinking water and may be used for monitoring under National Secondary Drinking Water Regulations (NSDWRs).

We appreciate Lachat Instruments' continued interest in the development of environmental compliance monitoring methods. If you have any questions regarding these determinations or review of these ATP applications, please contact William Telliard of SASB (202/566-1061) or Herb Brass of OGWDW/TSC (513/569-7936) at your convenience.

Sincerely,



William A. Telliard
Director of Analytical Methods
Engineering and Analysis Division (4303 T)



Herb Brass, Ph.D.
Technical Support Center (MS-140)
Office of Ground Water and Drinking Water

cc:

USEPA Regional Administrators (all Regions)
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