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

Rodger Baird
Joint Editorial Board
Standard Methods
3645 Country Meadow Lane
Escondido, CA 92025
mrbaird@earthlink.net

ATP Case Number:
N12-0006

Dear Mr. Baird,

June 20, 2012

The Engineering and Analytical Support Branch (EASB) has reviewed several methods published in the 22nd Edition of *Standard Methods for the Examination of Water and Wastewater* (Standard Methods) and the on-line version of Standard Methods. These methods include editorial changes to the previously approved versions of the methods that were included in the most recent Method Update Rule (MUR) published in the *Federal Register* on May 18, 2012 (77 FR 29758).

Based on this review, EASB has determined that these methods are acceptable versions of the approved methods listed at Title 40 of the Code of Federal Regulations (40 CFR) part 136.3, Tables IB and IC, and may be used for compliance monitoring performed under the Clean Water Act. Table 1 lists the approved version of each Standard Method that was included in the MUR and the corresponding editorially revised 2011version published in the 22nd Edition of Standard Methods and the on-line version of Standard Methods.

Table 1

Approved Standard Method in Most Recent MUR	Standard Methods 22nd Edition Editorial Revisions
2120 B-2001	2120 B-2011
2130 B-2001	2130 B-2011
2310 B-1997	2310 B-2011
2320 B-1997	2320 B-2011
2340 B-1997	2340 B-2011
2340 C-1997	2340 C-2011
2510 B-1997	2510 B-2011
2540 B-1997	2540 B-2011
2540 C-1997	2540 C-2011
2540 D-1997	2540 D-2011
2540 E-1997	2540 E-2011
2540 F-1997	2540 F-2011
3111 B-1999	3111 B-2011

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Table 1 (continued)

3111 C-1999	3111 C-2011
3111 D-1999	3111 D-2011
3111 E-1999	3111 E-2011
3112 B-2009	3112 B-2011
3113 B-2004	3113 B-2011
3114 B-2009	3114 B-2011
3114 C-2009	3114 C-2011
3120 B-1999	3120 B-2011
3125 B-2009	3125 B-2011
3500-Al B-2001	3500-Al B-2011
3500-As B-1997	3500-As B-2011
3500-Ca B1997	3500-Ca B-2011
3500-Cr B-2009	3500-Cr B-2011
3500-Cr C-2009	3500-Cr C-2011
3500-Cu B-1999	3500-Cu B-2011
3500-Cu C-1999	3500-Cu C-2011
3500-Fe B-1997	3500-Fe B-2011
3500-K B-1997	3500-K B-2011
3500-K C-1997	3500-K C-2011
3500-Mn B-1999	3500-Mn B-2011
3500 Na B-1997	3500-Na B-2011
3500-Pb B-1997	3500-Pb B-2011
3500-V B-1997	3500-V B-2011
3500-Zn B-1997	3500-Zn B-2011
4110 B-2000	4110 B-2011
4110 C-2000	4110 C-2011
4110 D-2000	4110 D-2011
4140 B-1997	4140 B-2011
4500-B B-2000	4500-B B-2011
4500-Cl^- B-1997	4500-Cl^- B-2011
4500-Cl^- C-1997	4500-Cl^- C-2011
4500-Cl^- D-1997	4500-Cl^- D-2011
4500-Cl^- E-1997	4500-Cl^- E-2011
4500-Cl B-2000	4500-Cl B-2011
4500-Cl C-2000	4500-Cl C-2011
4500-Cl D-2000	4500-Cl D-2011
4500-Cl E-2000	4500-Cl E-2011
4500-Cl F-2000	4500-Cl F-2011
4500-Cl G-2000	4500-Cl G-2011
4500-CN^- B-1999	4500-CN^- B-2011
4500-CN^- C-1999	4500-CN^- C-2011

Table 1 (Continued)

4500-CN^- D-1999	4500-CN^- D-2011
4500-CN^- E-1999	4500-CN^- E-2011
4500-CN^- F-1999	4500-CN^- F-2011
4500-CN^- G-1999	4500-CN^- G-2011
4500-F^- B-1997	4500-F^- B-2011
4500-F^- C-1997	4500-F^- C-2011
4500-F^- D-1997	4500-F^- D-2011
4500-F^- E-1997	4500-F^- E-2011
4500-H^+-2000	4500-H^+-2011
4500-N_{org} B-1997	4500-N_{org} B-2011
4500-N_{org} C-1997	4500-N_{org} C-2011
4500-N_{org} D-1997	4500-N_{org} D-2011
4500-NH_3 B-1997	4500-NH_3 B-2011
4500-NH_3 C-1997	4500-NH_3 C-2011
4500-NH_3 D-1997	4500-NH_3 D-2011
4500-NH_3 E-1997	4500-NH_3 E-2011
4500-NH_3 F-1997	4500-NH_3 F-2011
4500-NH_3 G-1997	4500-NH_3 G-2011
4500-NH_3 H-1997	4500-NH_3 H-2011
4500-NO_3^- D-2000	4500-NO_3^- D-2011
4500-NO_3^- E-2000	4500-NO_3^- E-2011
4500-NO_3^- F-2000	4500-NO_3^- F-2011
4500-NO_3^- H-2000	4500-NO_3^- H-2011
4500NO_2^- B-2000	4500NO_2^- B-2011
4500-O B-2001	4500-O B-2011
4500-O C-2001	4500-O C-2011
4500-O D-2001	4500-O D-2011
4500-O E-2001	4500-O E-2011
4500-O F-2001	4500-O F-2011
4500-O G-2001	4500-O G-2011
4500-P B(5)-1999	4500-P B(5)-2011
4500-P E-1999	4500-P E-2011
4500-P F-1999	4500-P F-2011
4500-P G-1999	4500-P G-2011
4500-P H-1999	4500-P H-2011
4500-SiO_2 C-1997	4500-SiO_2 C-2011
4500-SiO_2 E-1997	4500-SiO_2 E-2011
4500-SiO_2 F-1997	4500-SiO_2 F-2011
4500-SO_4^{2-} C-1997	4500-SO_4^{2-} C-2011

Table 1 (Continued)

4500-SO_4^{2-} D-1997	4500-SO_4^{2-} D-2011
4500-SO_4^{2-} E-1997	4500-SO_4^{2-} E-2011
4500-SO_4^{2-} F-1997	4500-SO_4^{2-} F-2011
4500-SO_4^{2-} G-1997	4500-SO_4^{2-} G-2011
4500-S^{2-} B-2000	4500-S^{2-} B-2011
4500-S^{2-} C-2000	4500-S^{2-} C-2011
4500-S^{2-} D-2000	4500-S^{2-} D-2011
4500-S^{2-} F-2000	4500-S^{2-} F-2011
4500-S^{2-} G-2000	4500-S^{2-} G-2011
4500-SO_3^{2-} B-2000	4500-SO_3^{2-} B-2011
5210 B-2001	5210 B-2011
5220 B-1997	5220 B-2011
5220 C-1997	5220 C-2011
5220 D-1997	5220 D-2011
5310 B-2000	5310 B-2011
5310 C-2000	5310 C-2011
5310 D-2000	5310 D-2011
5520 B-2001	5520 B-2011
5520 F-2001	5520 F-2011
5540 C-2000	5540 C-2011
6200 B-1997	6200 B-2011
6200 C-1997	6200 B-2011

For a method that is approved in more than one edition of a compendium an analyst must, at a minimum, follow the QA/QC in that edition. To improve consistency and ensure reliable results, laboratories are encouraged to phase-in and adopt the QA/QC procedures specified in the most recent, approved editions of that compendium.

We appreciate your interest in the development of environmental monitoring methods. If you have any questions regarding the review of these alternate test procedures, please contact me by e-mail at: walker.lemuel@epa.gov or by telephone at: 202-566-1077.

Sincerely,

Lemuel Walker

Lemuel Walker
ATP Coordinator
Engineering and Analysis Division (4303 T)
Engineering and Analytical Support Branch