Office of Laboratory Licensure, Certification & Training
3443 N Central Avenue, Suite 810
Phoenix, Arizona 85012
(602) 255-3454
(602) 255-1070 FAX
E-mail: acharyp@azdhs.gov

Jane Dee Hull, Governor
James R. Allen, MD, MPH, Director

DATE: July 15, 1999

TO: Laboratory Director and QA Manager

FROM: Dr. Barbara J. Erickson, Ph.D., Bureau Chief

SUBJECT: Information Update #57

RE: EPA T0-15, 1664 and Disinfectant Byproducts methods promulgated in Arizona

NOTE: If any problems occur with this web site, please call 1-800-952-0374 or (602) 255-3454 extension 205, 221 or 222. Thank You.

1. USEPA Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)", published by the Center of Environmental Research Information, Office of Research and Development, U.S. Environmental Protection Agency, Cincinnati, OH 45268, EPA/625/R-96/010b, January 1997 in the "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, can now be used for compliance testing of air in Arizona.

    1. The new Disinfectant Byproducts Methods promulgated by the USEPA in December of 1998 have now been approved for drinking water testing in Arizona.

    2. Method 1664, Revision A, n-Hexane Extractable material (HEM; Oil and Grease) and Silica Gel Treated n-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry has now been promulgated in Arizona for Clean Water act and Resource Conservation and Recovery Act.

    3. There has been some discussion recently concerning the holding time for BOD samples whether it was 48 hours or 24 hours due to the discrepancies found in different reference documents (40 CFR 136.3, Table II and Standard Methods, Method 5210B). The footnote of Table 1060:I, Summary of Special Sampling or Handling Requirements, defers to 40 CFR for possible differences regarding container and preservation requirements. Therefore Arizona Environmental Laboratory Licensure will enforce 48 hours holding time for BOD samples.

    4. Quarterly meeting of Environmental Laboratory Advisory Committee (ELAC) meeting was held on June 24, 1999. Some of the items discussed were:

        i. Arizona Department of Environmental Quality (ADEQ) is working on an internal policy for the implementation of EPA method 5035

ii. EPA/Arizona newly promulgated methods

iii. Y2K; the labs need to keep the electronic data for five years and be able to access the archived data for the Licensure auditors during that time frame even if the instrument/computer/software had to be replaced to make it Y2K compliant

iv. 8270AZ shortened list

v. 8021AZ and 8260AZ Reporting Limits survey responses were tabulated and distributed to the attendees and ADEQ staff

vi. A possible upcoming PBMS (Performance Based Measurement System) workshop in Phoenix in November, 1999

vii. Communication Sub-committee's findings and recommendations to the Licensure program to assist in providing a more defined structure for it's operation

viii. Licensure rules are in the process of being revised and there will be a 15% fee increase

ix. NELAC update was given

The next ELAC meeting is scheduled for September 30, 1999 at Casa Grande.

x. A two-day workshop titled "An Overview of Environmental Regulations & Methods", which was scheduled to be held in Phoenix on April 6 & 7, 1999, was postponed to September 1 & 2, 1999. Details of the workshop and the instructions for registering can be found in the **Information Update #54**, dated February 4, 1999. Those who have already registered don't need to register again. If you need further information, please call (602) 255-3454 ext. 221.

xi. Arizona Environmental Laboratory Licensure, with assistance from the Arizona licensed laboratories, has compiled a shortened list of 8270C (8270AZ) target analyte list. This suggested list would be applicable to both water and soil samples. **This is not a regulatory compliance list, but only a suggested list and we would like to stress that you consult with your client if this list would fulfill their project's needs.**

In compiling this list, we looked at a couple of criteria; 1) if the compound was a priority pollutant, and 2) if the compound was most commonly reported by the labs. Benzidine and N-Nitrosodimethylamine, though priority pollutants, were dropped because of the difficulties in analysis. **See the suggested list**.

5. If you have any questions regarding the Updates, or if you have any technical questions that need clarification, please call or send e-mail to Prabha Acharya, Program Manager, Technical Resources and Training at the Laboratory Licensure. A table of contents to all the Information Updates published is also available.

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