



Division of Public Health Services

Public Health Preparedness Services

Bureau of State Laboratory Services

250 N. 17th Avenue

Phoenix, AZ 85007-3231

(602) 364-0720

(602) 364-0759 Fax

JANICE K. BREWER, GOVERNOR

WILL HUMBLE, DIRECTOR

FAX TRANSMITTAL SHEET

DATE: August 14, 2013

TO: Laboratory Director and QA Manager

FROM: Steven D. Baker, Office Chief
Laboratory Licensure and Certification

Subject: Information Update #117

Pages: 3 (including cover)

NOTE: If any of the pages are missing, please call (480) 284-6869 or (602) 364-0720.

Permission to quote from or reproduce materials from this publication is granted when due acknowledgment is made.

THIS MESSAGE AVAILABLE IN ALTERNATIVE FORMAT UPON REQUEST, BY CONTACTING:

Prabha Acharya at (480) 284-6869

The ARIZONA DEPARTMENT of HEALTH SERVICES does not discriminate on the basis of disability in administration of its programs and services as prescribed by Title II of the Americans with Disability act of 1990 and Section 504 of the Rehabilitation Act of 1973.

Health and Wellness for all Arizonans



Division of Public Health Services

Public Health Preparedness Services

Bureau of State Laboratory Services

250 N. 17th Avenue

Phoenix, AZ 85007-3231

(602) 364-0720

(602) 364-0759 Fax

JANICE K. BREWER, GOVERNOR

WILL HUMBLE, DIRECTOR

Information Update

August 14, 2013

Update #117

1. EPA 1664B clarification:

Our Office has been working with EPA to get clarification if sodium sulfate filtration step can be eliminated if SPE technique is used in place of liquid/liquid extraction. The following paragraph copied from an email from Mr. Lamuel Walker of EPA explains that the sodium sulfate filtration is required even if SPE technique is utilized. However, the solvent phase separation paper (which is different from the SPE extraction) maybe used in lieu of the sodium sulfate filtration. In essence, the water removal from the hexane extract is required.

The use of solvent phase separation paper is allowed in two places in EPA 1664B. The first place is in section 11.3.5 where it may be used to help break an emulsion in order to complete the phase transfer. The other place is in section 1.7.1.12 where it may be used in place of sodium sulfate to remove water from the n-hexane extract, regardless of the extraction technique (LLE, C-LLE or SPE) provided all QC requirements are met, especially 9.3 and 9.4. In this application, the hydrophobic coating on the surface of the solvent phase separation paper creates a hydrophobic barrier that chemically/physically repels/retains any water in the extract under ambient conditions, allowing only the n-hexane to pass through it and into the collection vessel. Other equivalent means for creating this same hydrophobic barrier would be to use inherently hydrophobic Teflon (PTFE) or polypropylene (PP) membranes in place of the solvent phase separation paper. A non-equivalent, unacceptable, unless it can be consistently and routinely demonstrated, means for removing water from the extract would be "careful pipetting or draining of one immiscible layer from the other and/or products that enhance careful pipetting or draining of one immiscible layer from each other".

NOTE from ADHS: For both EPA 1664A and 1664B, sodium sulfate filtration is required; Solvent phase separation paper, PTFE or PP membranes may be substituted.

2. Arizona laboratory Licensure and Certification website has been restructured in an effort to make all the websites amongst various programs consistent within the ADHS. This has resulted in new URLs. We forgot to include the following websites in the Update #116:

Wastewater facility website:

<http://www.azdhs.gov/lab/license/environmental-lab/wastewater-facility.htm>

Drinking water facility website:

<http://www.azdhs.gov/lab/license/environmental-lab/drinkingwater-facility.htm>

ELAC (Environmental Laboratory Advisory Committee) website:

<http://www.azdhs.gov/lab/license/environmental-lab/advisory-committee.htm>

If you have any questions, please do not hesitate to contact us.

3. **Clarification of required forms to be submitted for annual licensure renewal:**

There appears to be confusion that still exists with regards to the required forms to be submitted during license renewal; the Information Update 116 was not very clear. The required forms are:

Part A - Laboratory Information and Signatures

Part B - Laboratory Personnel

This form is required if there are any changes from the previous year.

Part C - List of Licensable Parameters in Rules

If there are no changes from the existing list, please indicate in a cover letter that the lab desires to be licensed for the same parameters as the current license. There is no need to send the Part C.

If new methods are being added or deleted at the annual renewal, please send only the pages from Part C and or Part E that would be altered indicating the change (s).

Part D - Instruments and Software

Only if there are any changes.

Adding methods during mid-year,

Please submit only the affected pages from Parts C, D and E that have the requested changes and a cover letter on the company letterhead explaining the changes.

4. Please contact Prabha Acharya @ (480) 284-6869/(602) 364-0720 or acharyp@azdhs.gov for any technical or method related questions. The earlier Information Updates can be accessed @ <http://www.azdhs.gov/lab/license/resources/updates.htm>