

Division of Public Health Services

**Public Health Preparedness Services
Bureau of State Laboratory Services**

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FAX TRANSMITTAL SHEET

DATE: April 07, 2016

TO: Laboratory Director and QA Manager

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

Subject: Information Update # 123

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

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CONTACTING:***

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Health and Wellness for all Arizonans



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Information Update

April 07, 2016

Update # 123

1. **The Arizona Environmental Laboratory Licensing Rules:**

The Department is in the process of revising the Arizona Environmental Laboratory Licensing rules; the draft revised rules have been posted at:

<http://azdhs.gov/director/administrative-1counsel-rules/rules/index.php#rulemakings-active-environmental-labs>

Please review the draft; you have the opportunity to provide comments on the draft via an online survey. The survey will be available until midnight April 30, 2016.

2. **Fecal Coliform by SM 9222D:**

If the agar plates are purchased from a vendor and if the color or texture varies from what is described by the manufacturer, then the pH has to be re-verified in the lab for testing Fecal Coliform (SM 9020B.4.i.1); the final pH of M-FC agar plates is required to be within 7.4 ± 0.2 (SM 9222D.1.a). The pH of this media can change depending on the environmental conditions of storage.

3. **EPA Method 524.2, Revision 4.1**

Section 10.3.4 of EPA method 524.2, revision 4.1, states:

"Determine that the absolute areas of the quantitation ions of the internal standard and surrogates have not decreased by more than 30% from the areas measured in the most recent continuing calibration check, or by more than 50% from the areas measured during initial calibration. If these areas have decreased by more than these amounts, adjustments must be made to restore system sensitivity."

According to Steve Wendelken of EPA Drinking Water Program, both the 30% criteria from the most recent calibration check AND 50% from the initial calibration requirements must be met.

4. **Director Approvals:**

- Uranium by ASTM Method D 3972-97,02, Standard Test method for Uranium in Drinking Water
- Modified Colitag Method for Total Coliform and E. Coli for drinking water compliance testing

5. 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>