



Laboratory Methods and Services Committee Report/Minutes

August 13th, 2013
8:00 am to 5:00 pm
St. Pete Beach, Florida

COMMITTEE RECOMMENDATIONS:

1. None
- 2.

BOARD RECOMMENDATIONS:

1. None
- 2.

ASSOCIATION ACTIONS:

1. None
- 2.

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Committee Report:

- *Committee Activities*

ACTION: Agenda Approval

MOTION: "motion to accept the agenda for the 2013 full-year meeting of the Lab Methods and Services Committee" Aaron Price/Vicki Siegel – passes (all in favor)

ACTION: Minutes Approval

MOTION: "motion to accept the minutes from the 2013 mid-year meeting of the Lab Methods and Services Committee" Vicki Siegel/Teresa Grant – passes (all in favor)

Committee Minutes:

- People wishing to volunteers for any of the working groups should contact Aaron Price or Nancy Thiex.
- The LMS committee membership roster and industry advisor listing is currently in review. The committee plans to develop established roles within the committee to help distribute the work. Note: you do not need to attend the AOAC meetings to be a member of the AAFCO committee.
- Starch collaborative study (update provided by Mary Beth Hall): familiarization samples have been sent out and the data returned; the protocol has been revised based upon feedback and the full study samples are expected to ship in the next couple of weeks.

- Fructans are the next project that Mary Beth will undertake!
- There was no update from Tylosin WG (Mark Coleman). Background: attempting to find an LC method to replace the plate assay. Mark Stenske (MI) reported that they are trying some methods for Tyl A and B (in the absence of urea). Kristy (CO) reported that attempts to use the LC-MS method they use for monensin for tylosin were not promising (poor sample recoveries). Aaron Price (CFIA) has a residue method for <10ppm Tyl A.
- Gina Clapper from AOCS reported that one pot direct methylation method for fatty acids will be published as a final method in their next method book additions and revisions (expected Fall 2013).
- Ken Riter is the current chair of the vitamin A WG; anyone interested should contact him to be added to the new FoodShield working group. Note that the FoodShield working group had to be re-built so if you were a member previously, please check that your membership transferred to the current group. Three methods are currently in use and Ken plans to look at Check Sample Program (CSP) data to see if we can draw any conclusions from that. If you report vitamin A data to the CSP, please send Vicki Siegel an e-mail to give her permission to use your data for this purpose and to tell her which method you are using. There is only one AAFCO method code for vitamin A by LC so we will need to manually sort the data by lab code number. After the CSP data has been evaluated the WG will decide what additional data are needed. Please contact Ken Riter if you are interested in joining the group.
- The vitamin E working group has a new chair, Dorota Inerowicz from OISC. Dorota will contact those who expressed interest in the WG in October 2013 (Tom McKamey, Ken Riter, Jody (P&G), Fred C (EPL), Lisa Ruiz and Tai Ha).
- Jeff Horst held a separate meeting of the sugars working group on August 12th at the Annual meeting. Progress to date was reviewed and the group is deciding the best way to move forward. A survey asking for anyone currently testing sugars in their labs to provide information on their methods was sent out with a September 17th due date. A repeatability study or instrument precision study is planned, hopefully within the next month or so. Six labs are currently signed up to participate. Please contact Jeff if you are interested. Sugar method codes have been added to the CSP so please continue to report your sugar data on the check samples!
- Vicki Siegel reported on the multi-mycotoxin WG. Three candidate methods are currently known of; Romer, New York State and CFIA; labs are asked to update their methods on the FoodShield working group since all candidates methods continue to be developed. A lack of suitable study samples has delayed further progress with this project but the samples being prepared for the CSP contaminants Program will make a round-robin comparison of the candidate methods possible. The labs that have candidate methods have been using their methods to test a variety of PT samples; Vicki will survey the candidate labs to ask for any PT data that may be helpful in comparison of the candidate methods.
- Aaron Price (CFIA) gave an update on progress of their multi-mycotoxin method which has been validated for finished feeds at this time. They use an API 5000 / Agilent 1200 SL and isotope labeled internal standards to compensate for ion suppression / enhancement. The IS mix is co-

injected from a separate vial. They have problems with fumonisins, probably related to switched use of the instrument between testing for vet. drug residues and mycotoxins. They have looked at a wide-variety of finished feed types and typically see RSDs <15%. He will post the method on the multi-mycotoxins FoodShield work group.

- Pesticides Method Needs Statement- Kristen Hafler (NYS) has worked on the current draft from January 2013 which is posted on the AAFCO website on the committee page. The MNS includes those pesticides that have been the most important ones in New York over the years that they have been doing testing for the PDP Program funded by USDA. NYS has a method they use for animal feed that includes all pesticides on the current MNS draft; they see fewer positive samples compared to produce because the feed ingredients are diluted in the finished feed products. There was a lot of discussion related to the different states having different lists of pesticides that they regulate in their states. Please contact Bob Sheridan if there are pesticides that you would like to have included in the MNS (please include the regulatory levels of importance). The question was asked whether this is a project that we want to set up a working group for?
- Andy Crawford gave a presentation CSP reported data and methods in use by state labs as an information-gathering exercise related to the methods WG. Lawrence Novotny is the current chair of this WG. This WG was set-up to address the issue of which method to use for which analyte and matrix combination. The WG is looking at data reported by state regulatory labs to the CSP to identify methods that are currently in use. The group needs to perform a careful review of the information from the CSP and look at one analyte at a time. Sharon Webb has volunteered to review phosphorus. The specific goal of the WG needs to be properly defined; during the meeting various goals were discussed which included development of a published guidance document; development of a “best practices” document based on what is in use (popular methods) and also what may be considered best use methods (fitness for purpose.....). Andy Randall (New Mexico) has volunteered to co-chair the WG which will schedule a conference call in late September to establish their future plans. Lisa Ruiz also expressed interest and may have data to share.
- Aaron Price (CFIA) presented information on a multi-analyte organic arsenicals analysis method for contaminants of Roxarsone, Nitarsone and Arsanilic acid. They plan to perform an SLV of their method utilizing UPLC-PDA that currently has an LOQ of 1 mg/kg for all 3 residues. The presentation will be sent out with the minutes. Useful information learned during the project: avoid borosilicate glass, avoid nylon filtration otherwise there are ghost peaks (PVDF is better).
- Fred Claussen introduced EPL to the group. EPL performs regulatory studies for GM crops; the nutritional components of feed ingredients from GM crops need to be tested to prove they are no different from non-GM ingredients. They have feed testing methods for Iodine, 20 mycotoxins, 30 pesticides, heavy metals, biotin and vitamin B12. They presented information on their testing methods in the poster session.
- Chuck Ramsey from EnviroState Inc. gave a presentation on sampling quality criteria and total estimation of sampling error “When randomness is not enough”.

- FDA Cooperative Agreement updates: QA/QC Guidelines WG (update provided by Brenda Snodgrass and Louise Ogden, WG Chairs).
 - new guidelines to be published in Jan 2014, comprised of 3 volumes. Vol. 1 is the ISO17025 standard document, vol. 2 is the AAFCO guidance document on how to comply with 17025 and vol. 3 is a collection of resources.
 - AAFCO member labs can pre-order the guidelines for \$25 (must order before Feb 1st), order using the 2014 Revision pre-order form on the AAFCO website under the “publications” tab. Non-members can pre-order for \$125 before Feb. 1st; after Feb. 1st everyone will be charged \$175. The group plans monthly conference calls between now and the January AAFCO meeting.
- FDA Cooperative Agreement updates: Check Sample Program activities (update provided by Vicki Siegel).
 - Program expansion: in 2014 AAFCO will launch a quarterly program for mycotoxin contaminants; the statistical approach was discussed and accepted by committee vote during the CSP meeting.
 - Program expansion: the successful Pet Food Add-on Program offered in 2013 for quarterly ingredient samples will be offered as a stand-alone Pet Food Program in 2014.
 - A quarterly heavy-metals contaminants series will be developed in 2014 for launch in 2015
 - Look for a new version of the Data Reporting Website to be launched in 2014.
 - AAFCO method codes will be added to allow us to start information gathering on vet. drug contaminants in our regular feed samples.
 - Documentation is being developed to support our application for accreditation to ISO 17043; target for application is early 2014.
 - Data from homogeneity and stability testing is being collected; AAFCO also are developing some homogeneity prediction tools based on our historical data (see CSP minutes, Andy’s presentation will be provided in pdf form).
- FDA Cooperative Agreement updates: Accreditation WG (update provided by Kristi McCallum)
 - Development of resources to assist labs seeking accreditation; resources to be posted to a food safety website (available very soon) on the APHL site that will require login / password development for access but does not require membership in APHL.
 - Resources to include an example quality manual, management SOPs, documents to assist in data review and document control, calibration activities, training, audits, temperature measurement etc. No technical SOPs (test methods) are included.
 - WG to provide contacts to labs that ask for help from other labs that already are accredited.
- FDA Cooperative Agreement updates: Accreditation training steering committee (update from Gale Hagood)
 - Group is in the process of identifying existing training
 - Resources will be posted on the APHL food safety website
 - Development of accreditation “boot camp” training course
 - Trainings may be webinars or on-site trainings or both

- AFDO Update (provided by Yvonne Salfinger)
 - August 31st is the end of year 1 of a five year Cooperative Agreement.
 - Consultants hired by AFDO include Ron Klein (Director, April 2013) and Yvonne .
 - Presentation on AFDO deliverables will be provided with the minutes.
 - Key goal is communication among AAFCO, AFDO and APHL.
 - Projects include a Registry Work Group for Subject Matter Experts (SME) [refer to postcards distributed at the meeting], a directory of state and local officials that includes a Lab Director category for labs testing environmental, food, feed or health samples, a Unified Response procedure to improve foodborne illness outbreak response, a Lab Director's Steering Committee who are surveying states for impact indicators for the Cooperative Agreement efforts, community / network building efforts that included paying travel for 50 participants to attend the AFDO meeting and for 30 participants for a focus group event on Quality management systems and to provide lab representation on the MFRPS Alliance.
- APHL Update (provided by Dare Akingbade)
 - APHL are managing the grant for the three Associations, working with 11 groups of members who are working on 9 specific aims of the grant, which is being facilitated by 6 WGs and 4 committees.
 - APHL are providing tools and resources, sharing documents via their website, providing an accreditation discussion board / users group on the APHL SharePoint site, and developing the PFP/FDA Laboratory best Practices document.
 - The training steering committee are developing webinars and planning an in-person meeting at next year's AFDO meeting.
 - They have developed a Clinical Isolates WG to facilitate shipment of clinical isolates to Public Health Labs and assist in submission to PulseNet.
- Craig Kami from the IFPTI gave a presentation on their efforts to provide a curriculum framework for Labs and a Training Academy for Inspectors that utilize an organized plan of training courses that represent different content areas.
- The Animal Feed Regulatory Program Standards (AFRPS) are out for public comment. Nancy Thiex worked on the laboratory component of the standard, which was jointly developed by AAFCO members and FDA.
- Bill Hall provided an update on the Fertilizer Technical Advisory Group to ANSI (TC134) that met in Washington DC in early August and who is working on mutual recognition of a number of methods by both AOAC and ISO.
- Bill Hall provided the agenda for the upcoming AOAC Agricultural Community Meeting (August 26th 2013, Chicago IL).
- Accreditation Forum: Bill Hirt, Director of accreditation at ANSI-ASQ, the National Accreditation Board and A-Class facilitated an open discussion session on accreditation. Discussion included topics such as scopes of accreditation, proficiency testing and document control with input provided by labs that are already accredited to 17025.

Action Item Table:

Responsible	Item	Action	Timing / Status
All	Joining vitamin A working group	Let Ken Riter know if you are interested in joining the vitamin A working group.	Prior to next meeting
Ken Riter	Vitamin A working group	Review data from check sample program (CSP) to draw conclusions regarding methods in use.	Prior to next meeting
All	Vitamin A reporting	If you're reporting vitamin A data, send V Siegel an email letting her know what method you're using and give her permission for your data to be used by the working group.	Prior to next meeting
Dorota Inerowicz	Vitamin E working group	Dorota to contact those who expressed interest in joining the group (T McKamey, K Riter, Jody (P&G), F Claussen, L Ruiz, T Ha).	Prior to next meeting
All	Carbohydrate working group	Please contact Jeff Horst if you are interested in participating in this working groups method precision study for sugars.	By end of October
All	Mycotoxin working group	Labs are asked to provide or update their methodology for multi-analyte mycotoxin analysis on the working group's Foodshield page.	Prior to next meeting
Vicki Siegel	Mycotoxin working group	Survey candidate labs to ask for PT data that might help in comparing the methods.	Prior to next meeting
Aaron Price	Mycotoxin working group	Have the CFIA multi-analyte mycotoxin feed method posted to the working group's Foodshield page.	By end of October
All	Pesticide Method Needs	Please contact Robert Sheridan if there are pesticides that you would like included in the multi-analyte pesticide method needs list, along with the regulatory level of importance.	Prior to next meeting
A. Randall or L. Novotny	Best Practices working group	Schedule a conference call meeting of the working group to discuss future plans	By end of September