



Final: 2014-09-03

Laboratory Methods and Services Committee Report/Minutes

July 26, 2014
8:00 am to 5:00 pm
Sacramento, CA

COMMITTEE RECOMMENDATIONS:

1. None

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 2014 Annual Meeting of the Lab Methods and Services Committee” passes (all in favor) (Doc #1)

Committee Minutes:

- The Laboratory Methods and Services (LMS) committee membership roster and industry advisor listing has been updated since last meeting (Doc #2). People wishing to be added or eliminated from the list should contact Aaron Price or Nancy Thiex.
- People wishing to volunteer for any of the working groups should contact Aaron Price or Nancy Thiex.
- The AAFCO website is being totally revamped (Doc #3). Need feedback, lab specific photo and volunteers. Will not incorporate working group activities – they will remain on FoodShield. The secure side of the current AAFCO web site will be discontinued.
- Updates on collab studies:
 - Starch collaborative study (update provided by Nancy Thiex): AOAC ERP is up for OMB review and approval prior to AOACI Annual Meeting.
 - AOCS Fatty Acid Collab (update provided by Gina Clapper). Study complete (Doc #4). Gina to provide raw validation data as well.
- Working Group updates:
 - CTC WG – Tom Phillips reported he had completed SLV (Doc #5).
 - Tylosin WG – Tom Phillips reported little progress due to lack of instrument time. He is not considering HPLC-MS/MS because FDA’s aversion for that technology.
 - Fat Soluble vitamins WG (formerly Vitamin A + E WGs) – Ken Riter heading the Vit A Group and Dorota Inerowicz heading the Vit E Group. Accomplishments to date were summarized (Doc #6). Updates available on FoodShield. Upcoming group tasks – looking for methods and sponsors, agreeing on matrices and looking for suppliers of same. Goal is to have 8-10 samples representing key matrices and levels that labs should analyze once on two different days. People interested in participating in the study should contact Ken or Dorota ASAP!
 - Sugars (mono- and disaccharide) WG - Jeff Horst Chair. Jeff introduced Dan Berg who updated the group on his study (Doc #7a). He reported that GC and HPAEC combined with PAD seemed to work well while HPLC-RI was much more sensitive to interferences. Jeff referenced a presentation by Tiffany Gallegos-Peretz (Doc #7B) which indicated that 50% ethanol was the preferred extractant based on analyses of food. Jeff reminded everyone to submit sugar data for the AAFCO control samples.

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- Mycotoxin WG – Bob Sheridan the current Chair and Kristen Hafler his back-up. The group has 29 members. No update. Bob and Kristen are hoping that the implementation of the AAFCO Mycotoxin Check Sample Program will reactivate interest in this issue.
- Best Practices WG – Lawrence Novotny co-Chair. The group is currently focused on phosphorus. Got 20 responses to survey which was compiled and presented by Lawrence (Doc #8). Next steps are focused on getting an ICP expert to give a presentation on the use of this technique as well as assemble a summary of the strengths and weaknesses of the different approaches.
- Sample Prep Guidelines – Nancy Thiex reported that ISO had adopted the AAFCO Sample Prep guideline with very few changes or additions (Docs #9a & #9b). AAFCO sold the guidelines for \$50 while ANSI sold the ISO version for \$200. It was suggested that FASS Counsel approach ANSI claiming copyright infringement.
- Animal Feed Program Regulatory Standard – Nancy reported that a training webinar on Standard 10 would take place on Aug 19, 2014. People interested in participating can get access information from Isaiah Isakson at FDA (isaiah.isakson@fda.hhs.gov) (see Doc #10). Note that commercial labs providing services to State labs would also be expected to comply with the standard.
- Nanotech / Use of Advanced Analytical Techniques by State Labs – Dragan Momcilovic reported that FDA had issued a guideline addressing nanotechnology (Doc #11). He also inquired into Regulatory labs using advanced techniques such as GC-MS, LC-MS and LC-MS/MS for medicated feed analysis. Discussion followed about the use of LC-MS/MS to verify formulation levels. Comments included that the technique was overkill, not as rugged as needed, best for quantifying and/or confirming levels below 10 mg/kg.
- Cooperative Agreement – Nancy Thiex provided a quick overview (Doc #12a).
 - Yvonne Salfinger provided an update (Doc #12b) covering the new tools and resources available to labs seeking ISO 17025 accreditation. A “Best Practices Manual” is available but may need some updating. A “Discussion Board” restricted to regulatory labs is available and sponsored by APHL. Web pages containing helpful information have also been compiled.
 - Check Sample Program (CSP) – Victoria Siegel reported that the CSP has established a new reporting web site and initiated a mycotoxin residue program. The Pet Food Program is going well (includes fish meal, beet pulp, potato flour and non-fat dry milk) and the CSP will be going forward with a metals contaminant program.
 - QA Task Force – reported that the QA manual has been published.
 - PT Providers: Tom Phillips shared the listing of PT programs assembled by the team (Doc #12c). It is focused on meeting the needs of food & feed labs and will be available on AAFCO and APHL’s web sites. The current version is under review (please send comments to Tom) and expected to be finalized by Sept 1, 2014.

- Sampling – Nancy Thiex summarized a presentation on “Good Samples” given earlier that outlines the thinking behind proper sampling protocols ensuring valid samples (Doc 12d).
- Miscellaneous:
- Discussion followed on the differences in measuring phytase activity, how different methods seemed to get a different result. It was agreed that it is necessary to know the source of the enzyme when selecting the assay method.
- Jim Crane / Emily Trunkely discussed the need to speciate the relative amount of MnO and MnO₂ in premixes and feed due to their different bioavailability. A method for Heavy Metal Speciation is also needed. ISO has one good candidate.
- ISO Accreditation / Quality Management Systems Panel: A panel of QA lab experts was brought together to present their experiences with a variety of common QA lab issues. The topics covered were Accreditation Overview, Management Review, Method Validation/Verification, Measurement Traceability, Measurement Uncertainty, and Training Competency. The Panelists who presented were Brenda Snodgrass, Kristi McCallum, Teresa Grant, Louise Ogden, Aaron Price, and Yvonne Salfinger. The presentations led to several discussions from the committee on people’s experiences with the QA issues mentioned and best practices.
- The Mid-West AOAC meeting 2015 will be located in Bozeman, Montana.
- A 5-day Microscopy Training Course will be sponsored by AAFCO in Manhattan KS August 11-15, 2014 hosted by Alteca (Dr. Lynn Bates). Registration is \$1200. Spaces and scholarships are still available.
- The BSE Grants States will plan a formal session in conjunction with the annual meeting.
- Andy Crawford presented preliminary results of an interlaboratory study assessing sample preparation variability.

Action Item Table:

Responsible	Item	Action	Timing / Status
All	Joining the Fat Soluble Vitamins working group	Let Ken Riter and Dorota Inerowicz know if you are interested in joining.	Prior to next meeting
All	Reviewing Committee Roster	Review the committee roster and let Nancy or Aaron know if you would like to be added to or removed from the committee.	Prior to next meeting