

**MINUTES FROM THE MEETINGS OF
AAFCO'S LABORATORY METHODS AND SERVICES COMMITTEE**

September 23, 2008 8:00- 12:00

at

Hyatt Hotel, Dallas, TX

Present were:

NAME	E-MAIL ADDRESS	ORGANIZATION
Adrian Burns	Burns.adrian@epa.gov	US EPA Chem Lab
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Will Donaldson	wdonaldson@mp-ic.com	Metrohm-Peak

Nancy Thiex opened the meeting. After introductions the following issues were covered:

Approval of Agenda – The agenda was approved following the addition of amino acid as an item. (attached).

Approval of Minutes from the August Meeting –The Minutes from the meeting held on August 3, 2008 in Nashville, TN was approved. (attached)

Committee I Annual Report – Wetzler reported that the Committee would be meeting later that afternoon (minutes attached)

AAFCO Lab Committee Annual Report – Thiex mentioned that an Annual Report was submitted to the AAFCO Board. (attached).

AOAC “Ad Hoc” Methods Committee – Thiex reported that the bylaw changes had been approved. The new system is still in its infancy and may be subject to change.

OMA Update – Latimer reported that he was in the process of updating the OMA including incorporating surplussed and referenced methods back into the database. The index is updated as well and reproducibility and repeatability data added. A “Question and Answer” forum has been established on the website and received 85 requests over the past 10 months. It was acknowledged that Latimer needed help. People interested in helping can contact Latimer at latimerstx@verizon.net. For further detail, please see Latimer’s report (attached).

Websites – Wetzler reported that the Committee had found a website for listing its information accessible to the public (www.aafco.org then “AAFCO News and Information”, then Lab Methods and Services). Minutes from earlier meetings are already posted plus other info of interest is already posted. Future minutes will be posted together with the pertinent attachments. www.foodshield.org contains almost the same info but access is limited. The AOAC web site has not been updated in approx. 3 years.

Laboratory Accreditation Program for Ag Labs – Louise Ogden sent out a survey to State labs to judge interest in getting accredited to the 17025 standard. Received response from 12 labs of which 10 were interested. She is looking for additional feedback. The survey to be posted on the Internet and attached to meeting minutes. The approach used by AALVD to accredit vet diagnostic labs could serve as a template. They are recognized by WHO/FAO, auditors are accredited by A2LA, dues are \$2,000/yr, and accreditation is “process oriented” rather than “method oriented”. Hite pointed out that a straight audit by A2LA was much more in-depth and intense. (Survey attached)

Method Prioritization – Thiex reported that Aaron Price had completed the survey and summarized the data. The survey as well as an evaluation and summarization of the responses are posted on the AAFCO website.

Request for Collaborators – Rains reported that she was looking for collaborators for a method quantifying mixed phenols in a premix (used as a sheep dip). SLV and ruggedness study completed. Wetzler to place the information packet on the website.

Method Updates –

Lasalocid, Oxytetracycline and Decoquinatone - Thiex reported that they had all received AOAC "First Action" status and that study manuscripts would soon be published.

Neomycin, multi-analyte mycotoxin (corn) and Carbadox - Thiex reported that the SLVs would soon be published in JAOAC

Tylosin – Phillips provided a written update (attached). In the discussion that followed Phillips reported that he had tried several columns, that he currently can get LOQ down to 1 ppm, that formulated products get a nice linear response with HPLC/DAD following SPE clean-up but that single quad MS results are biased low compared with triple quad MS. He was also looking for samples analyzed with the official micro method that he could use for comparison.

Virginiamycin – Thiex distributed Alex MacDonald's fax concerning the status of the project (attached). McCurdy reported that Phibro and Dupont were seeking to get virginiamycin and an active chlorine form food additive status since FDA has ruled that all additives used in the manufacturing of DDG must be approved food additives. De Alnis reported that she was working on a method for determining 13 drug residues in a variety of matrices using HPLC-MS with an ion trap, but will be moving to a triple quad for better data quality.

Starch – Thiex reported that the original suggested definition referencing "Starch" originating from plants was turned down due to "animal starch" and malto-oligo saccharides being included in the definition since they would be measured as well by the suggested method. Mary Beth Hall has worked diligently to resolve the issue including sending a "white paper" on the issue to experts throughout the world with a request for feedback (attached).

Minerals – Thiex reported that Terrance Fields, CFIA may start take on the role as project leader starting in 2009.

Fatty Acids – Clapper reported that she had put Don Palmquist in touch with Steve Hansen and the two had discussed optimizing a "single pot" method for fatty acid determination. The AOCS method may not work well with cereal based samples. AOCS is working on fine tuning the method and will include "mixed feed" samples together with the "mixed food" samples when evaluating and validating the method.

Vitamin A – Thiex reported that Wixon at SDSU may take on this project

FDA- Lasalocid – Wetzler reported that she planned to submit the data package in duplicate to FDA by October 15. Following the approval of the submission (or the completion of FDA requests for additional information) Wetzler will send the "Table of Content" for the approved package and other information to the study directors in charge of the submission of oxytetracycline, decoquinatone and sulfamethazine that they can use as templates for their submissions.

Method Needs Statements – Thiex gave a summary of the method needs statements including those ready for an SLV (attached). Any changes or comments should be sent to Aaron Price.

MGA – R-Biopharm reported that they believed they had a good kit for quantitative determination of MGA (summary attached). It has been used for a variety of matrices including zoo feed, urine and fecal matter. They were willing to test samples submitted to them for free to explore any issues with the feed based matrices. It was discussed how to validate the test kit since no reference method was available.

Business Issues-

Fund Raising – Dough Hite explained AOAC's new business concept including that getting AOAC's approval of a collaboratively studied method would cost \$20,000 if the method was sponsored by an "Organizational Affiliate". He offered to assist in getting financial support and mentioned that the Aquaculture Community as well as lab supply companies might be interested in sponsoring this as well.

Hall reported on how he got \$160,000 in earmarked support for fertilizer methods and his proposal to AOAC. He mentioned the challenge of getting funding for “general methods”.

Technical Presentation -

Chris Hudalla with Waters detailed his experiments associated with the analysis of feeds for their simple sugar content. It was a very interesting presentation and highlighted the issues associated with sample prep and the potential interference by endogenous enzymes. This was exemplified by the apparent loss of sucrose and increase in fructose and glucose over time in water extracts. The increase in glucose and fructose was actually larger than expected from the conversion of sucrose indicating the release of monosaccharides from other sources including some tri- and tetra-saccharides. Using 50% water/acetonitrile as the extracting solvent or heat treating water extracts seem to stabilize the extracts. It was agreed that extracting conditions merited further research.

Will Donaldson with Metrohm offered to investigate these aspects as part of the evaluation of his sample prep method.

Reimann reported that he was also approaching Beckman re exploring the use of their CE technology for this purpose.

Note: Since the meeting, two or three new vendors have expressed interest in joining the sugars project. They are Beckman, R-Biopharm and Softa. Thix will send them sample material.

Respectfully submitted,

Lars Reimann

Eurofins Scientific, Inc.

Attachments:

1. Agenda September 2008
2. Meeting Minutes 080308
3. AOAC Committee I Report
4. AAFCO Lab Committee Annual Report
5. Latimer OMA Report
6. Accreditation Survey results
7. Tylosin update 0908
8. Phibro VM update
9. MBH notes on Starch Definition
10. R-Biopharm MGA test kit insert
11. R-Biopharm sugar test kit inserts
12. Method Needs Statements update