TNI Chemistry FoPT Subcommittee
Meeting Summary
October 5, 2010

1. Roll call and Meeting Minutes:

   Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on October 5, 2010 at 12:04 pm EST. Attendance is recorded in Attachment A. There were 8 members on the call today.

   The minutes from the September 28th meeting were reviewed. A motion was made by Chris to accept the minutes. The motion was seconded by Stephen and unanimously approved. The minutes will be posted to the TNI website.

2. Update to DW Table

   <u>Asbestos</u>

   No additional file for Asbestos was received this last week. Carl's files are dated September 20th and 28th. This analyte was discussed at the last meeting. The first file had 8 points and the second had 8 points (there were 10, but 2 outliers were removed.)

   Dan D. commented that there may be an issue with using the prepared value based on manufacturing considerations. Dan T. commented that there would be a problem using the a,b coefficients, but c,d are possible. Dan D.'s data showed that a fixed limit of +/- 50% should work. Dan prefers the consensus mean. The new regression shows about +/- 60%.

   The current concentration range is 1.5 to 20 mf/L.

   A motion was made by Chris to update the limits for Asbestos on the DW FoPT table to the consensus mean and the regression equation with the cd coefficients described in the table provided by Jeff by e-mail on 9/28/10. The concentration range is 1.5 – 20 mf/L (current range). The motion was seconded by Stephen.

   Discussion:
   Stephen raised the concern about the need for an additional row to Footnote 3 in the table. Stephen commented that EPA's footnote was: **times the study mean instead of "t". Carl suggested using the footnote from the solids table: Where c and d factors are presented, mean equals robust study mean, sd = c * x + d where x equals the robust study mean.

   Chris agreed to add the addition of the footnote to his original motion (to be added to footnote 3). The motion was unanimously approved.

3. FoPT Tables – Update

The PT Executive Committee has provided the direction needed to update the FoPT tables. Carl has made the updates and provided the table to Eric. Eric will comment on the tables before the next meeting.

The AC suggested adopting the FoPT tables on March 1st. Stephen raised some concern about PT providers being ready for this change. Eric will consider a change to July 1st for implementation of the tables.

The Excel table needs to be updated with the subcommittees work. This needs to be sent out with the updated DW FoPT table to prepare for subcommittee vote. The subcommittee will look at voting on October 18th.

4. Update to NPW Table

Jeff forwarded files to begin looking at pesticides.

<u>4,4'-DDD</u>

There is lots of data. Failed Stdev R^2 Eval > 0.75 criteria. There is an option to keep the current regression equation. Current concentration range is 2-10 ug/L. With the current regression equation it looks like about 40 – 140%. Carl suggests expanding the concentration to 2-20 ug/L and using the previous regression equation. This analyte is not currently being manufactured.

A motion was made by Stephen to update the limits for 4,4'-DDD on the NPW FoPT table to the regression equation with fixed limits of +/- 50% of the assigned value and a concentration range of 2 – 20 ug/L. The motion was seconded by Dan D.

Discussion: This tightens the lower limit. Some preferred keeping a regression equation.

There were 3 abstentions and 1 no vote, the motion does not carry. The group can come back to this analyte.

<u>Aldrin</u>

The current study concentration range is 0.7 – 15ug/L. The current concentration range is 0.5 – 15 ug/L. The new regression equations pass the SOP criteria. The new regression gives a range of about 35 - 135%.

A motion was made by Dan D. to update the limits for Aldrin on the NPW FoPT table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 2-2-10; pdf file dated 8-4-2010) and a concentration range of 0.5 – 15 ug/L (current range). The motion was seconded by Dan T. and unanimously approved.

alpha-BHC

The new regression equation passes SOP criteria and is an improvement over the current equation. Carl suggested reducing the lower end of the current concentration range to 1.5 ug/l. The current study concentration range is 2.24 to 14.3 ug/L.

A motion was made by Dan T. to update the limits for alpha-BHC on the NPW FoPT table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 2-2-10; pdf file dated 8-4-2010) and a concentration range of 1.5 – 15 ug/L. The motion was seconded by Stephen and unanimously approved.

alpha-Chlordane

The current concentration range on the table is 1 – 9.8 ug/L. Carl suggested rounding this up to 10 ug/L. The new regression equation passes the SOP criteria.

A motion was made by Eric to update the limits for alpha-Chlordane on the NPW FoPT table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 2-2-10; pdf file dated 8-16-2010) and a concentration range of 1.0 – 10 ug/L. The motion was seconded by Stephen and unanimously approved.

beta-BHC

The current range is 2 – 15 ug/L. Carl would prefer to extend the upper or lower range. The current study concentration range is 2.18 – 23.8 ug/L. The new regression equation passes the SOP criteria.

A motion was made by Eric to update the limits for beta-BHC on the NPW FoPT table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 2-2-10; pdf file dated 8-4-2010) and a concentration range of 2.0 – 20 ug/L. The motion was seconded by Stephen and unanimously approved.

delta-BHC

The current concentration range is 2 – 15 ug/L. The study concentration range is 2.18 – 26.7 ug/L. The new regression equation passes SOP criteria.

A motion was made by Eric to update the limits for beta-BHC on the NPW FoPT table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 2-2-10; pdf file dated 8-4-2010) and a concentration range of 2.0 – 20 ug/L. The motion was seconded by Chuck and unanimously approved.

3. New Items

- Dan Tholan sent an e-mail (below) summarizing two concerns. The subcommittee will review the e-mail and discuss it in a future call.

  From Dan Tholen: 9/23/10

  I am writing because of two concerns expressed to A2LA by different PT providers concerning the application of the footnotes in the FoPT tables. I agree that these two situations present conditions where the application of the footnotes may be in conflict with the intent of the PTEC and FoPT subcommittee.

  In the case of some pesticides, where average recovery is low and the "a b" coefficients predict participant means in, say around 60-70%, the upper limit of acceptance may top out at 110%. In these cases, a laboratory that uses a method that achieves close to 100% recovery actually will have a limited upper limit for acceptance. In these cases it might be more consistent with the objectives of the committees to raise the upper limit to 120%, or have separate consideration for methods with better recovery.

  In another case, which presented at yesterday's FoPT subcommittee, for Alkalinity in Potable Water, the regression coefficients produce limits that are less than 10% around the assigned value. The footnotes, properly applied, extend those limits to +/- 10%. My question is whether it is the intent of the FoPT and PTExpert Committees to have an effective lower limit of +/- 10%, no matter how good the agreement is among laboratories. I have no personal opinion about this, but it seems that this is an unintended consequence of limits established for other reasons; therefore my recommendation is that this should be a deliberate policy decision of the committees, not an accident.

4. Action Items

- Updates are included in the table.

5. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be October 12, 2010, at 12:45 PM EST.

Action Items are included in Attachment B and Attachment C includes a listing of reminders.

The meeting was adjourned at 1:33 pm EST (Motion: Chris Second: Dan T. Unanimously approved.)

Attachment A

Participants
TNI
Chemistry FoPT Subcommittee

Members	Affiliation	Contact Information
Carl Kircher, Co-Chair **Present**	Florida DOH	904-791-1574 carl_kircher@doh.state.fl.us
Chris Rucinski **Present**	RT Corp	 crucinski@rt-corp.com
Amy Doupe **Present**	Lancaster Laboratories, Inc.	717-656-2300 x1812 aldoupe@lancasterlabs.com
Jeff Lowry **Absent**	ERA	303-431-8454 jlowry@eraqc.com
Chuck Wibby **Present**	Wibby Environmental	303-940 -0033 cwibby@wibby.com
Eric Smith **Present**	TestAmerica	615-726-0177 x1238 eric.smith@testamericainc.com
Dan Tholen **Present**	A2LA	231-929-1721 Tholen.dan@gmail.com
Stephen Arpie **Present**	Absolute Standards, Inc.	203-281-2917 stephenarpie@mac.com
Dan Dickinson **Present**	New York, DOH	518-485-5570 dmd15@health.state.ny.us
Stacey Fry **Absent**	E.S. BABCOCK & Sons, Inc.	951-653-3351 x238 sfry@babcocklabs.com
Ilona Taunton, Program Administrator **Present**	TNI	828-712-9242 tauntoni@msn.com

Attachment B

Action Items – Chemistry FoPT Subcommittee

	Action Item	Who	Expected Completion	Actual Completion
13.	Prepare letter to ABs to find out their needs on analytes that may be under consideration for deletion. *(3/24/09 – It was determined that these tables are used by more than just ABs. This needs to be reconsidered.)*	TBD	TBD	
46	Re-evaluate experimental volatile halocarbons for fixed limits when the rest of the volatile halocarbons are evaluated for an NPW table update.	All	On-going	
71	Chris will send additional data for Asbestos. Jeff will incorporate this information into his calculations and supply this to the subcommittee.	Chris Jeff	9/28/10	Complete

Attachment C

Backburner / Reminders – Chemistry FoPT Subcommittee

	Item	Meeting Reference	Comments
1	Review summary data to see if it supports a change in the acceptance criteria for DW analytes (For example, VOA, 30% instead of 20%). If data is supportive, Jeff Lowry will approach ELAB.	10-30-08	3/10/09 - Jeff has approached ELAB. They would be happy to put it in a work group – and pass it along with a letter to EPA. We need to provide them with the data. 2/23/10: Jeff will forward the VOA data. Jeff noted that the data supports the tighter limits. He will provide the information to ELAB and they will decide whether to approach EPA. 5/4: Jeff is working with ELAB on this now. 7/19: The workgroup is continuing to work on this and should discuss this on the September 2010 call. 9/21: No work has been done in ELAB – so this has been delayed a month.
3	Consider changing the lower limit for Vanadium on WP to 50 ug/L.	6-30-09	
4	Consider nomenclature differences between the analyte codes and the FoPT tables.	2-23-10	
6	From PT Board: South Carolina requested that low level EDB and DBCP (8011) be added to the NPW table.	4-15-10 PT Board Meeting	They were added to the solids table where they were experimental. They were not experimental on the NPW table.
7	Follow-up on Dan Tholen's e-mail dated	10-5-10	

	9/23/10.		