

**TNI Chemistry FoPT Subcommittee
Meeting Summary
August 31, 2010**

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on August 31, 2010 at 12:05 pm EST. Attendance is recorded in Attachment A. There were 6 members on the call today.

The minutes from the August 24th meeting will be reviewed at the next meeting.

2. Update from PT Executive Committee

Carl asked the group for comments on the 6 files he e-mailed last week – an Accreditation FoPT Table and an Experimental FoPT Table for each matrix of DW, NPW and SCM. These updates were prepared in response to Eric Smith's (Chair – PT Executive Committee) request to review the tables and identify any analytes that don't fulfill the 2003 NELAC requirements for sufficient data in Chapter 2, Appendix C.4.

In addition to the changes in the tables, Carl is also suggesting the deletion of the blue headers.

After discussion, the subcommittee concluded that they would like direction from the PT Executive Committee before any further action is taken on the tables. A request for direction will be forwarded to Eric Smith.

3. Update on DW FoPT Table

Herbicides

Diquat

The study data concentration range was 11-39 ug/L. It did not pass the Stdev R² Evaluation > 0.75 and thus fixed limits should be considered. Study data used $n \geq 10$. Jeff reminded the group that Paraquat was added from the Experimental tables with limits of +/- 50% and 8-100 ug/L. The data is spread out with a swing up. The present regression equation is bad. There was one point removed. The MCL is 20 ug/L. There was further discussion of possible reasons for the R² failure.

A motion was made by Stephen to update the limits for Diquat on the DW FoPT table to fixed $\pm 50\%$ of the assigned value and a concentration range of 8 – 40 ug/L. The motion was seconded by Jeff and the motion was passed unanimously.

Endothall

The study concentration was 108 – 437 ug/L. The MCL is 100 ug/L. There were a lot of issues with outliers. The lab reporting limit is 45 ug/L. Stacie commented that their highest standard is 1000 ug/L and a lower starting point would be OK. At 80 ug/L the PTRL would be 40 ug/L. The current range is 90 – 500 ug/L. The present failure rate is 8.5%.

A motion was made by Stephen to update the limits for Endothall on the DW FoPT table to fixed $\pm 50\%$ of the assigned value and a concentration range of 80 – 500 ug/L. The motion was seconded by Stacie and the motion was passed unanimously.

Glyphosate

The study concentration range was 382–788 ug/L. The MCL is 700 ug/L. It failed the Stdev R^2 Eval > 0.75 . The old and new regressions are very similar. The current failure rate is 6.4%. The data shows a limit of $\pm 20\%$ is possible, but the failure of the R^2 should be taken into consideration. Dan D. preferred the new regression equation, but Carl pointed out that if the subcommittee goes this direction they would need to note the R^2 failure. Given this information, Dan D. would entertain ± 15 or 20% fixed. His data looks good.

A motion was made by Stephen to update the limits for Glyphosate on the DW FoPT table to fixed $\pm 15\%$ of the assigned value and a concentration range of 375 – 800 ug/L. The motion was seconded by Dan D.

Discussion: Carl and Jeff noted they would be more comfortable with $\pm 20\%$ fixed.

Vote: 5 – For 1- Against (Jeff) The motion did not pass.

A motion was made by Jeff to update the limits for Glyphosate on the DW FoPT table to fixed $\pm 20\%$ of the assigned value and a concentration range of 375 – 800 ug/L. The motion was seconded by Stephen and unanimously approved.

Organic Disinfection By-Products

Dibromoacetic Acid, Dichloroacetic Acid, Monobromoacetic Acid, Monchloroacetic Acid and Trichloroacetic Acid

All of these analytes have fixed limits set by 40 CFR 141.131 at $\pm 40\%$. The current concentration range for these analytes is set at 10 – 50 ug/L and the MCL is 60 ug/L as a total. They pass SOP criteria. Carl commented that the most difficult analyte in this group is the Monochloroacetic Acid. Carl suggested moving the lower concentration on these analytes to 5 ug/L, although Monochloroacetic Acid could be left at 10 ug/L. The lab reporting limits support this.

A motion was made by Jeff to update the limits for Dibromoacetic Acid, Dichloroacetic Acid, Monobromoacetic Acid, Monochloroacetic Acid and Trichloroacetic Acid on the DW FoPT table to fixed $\pm 40\%$ of the assigned value (as per 40 CFR 141.131) and a concentration range of 5 – 50 ug/L for all analytes except for Monochloroacetic Acid at 10-50 ug/L. The motion was seconded by Stacie and unanimously approved.

Bromoacetic Acid

The analyte passes all criteria. The study concentration range was 11-42 ug/L. It passes the fixed limit test at about $\pm 20\%$. Carl would like to extend the range to 5 -50 ug/L.

A motion was made by Stephen to update the limits for Bromoacetic Acid on the DW FoPT table to fixed $\pm 40\%$ of the assigned value and a concentration range of 5 – 50 ug/L. The motion was seconded by Dan Tholan. It was unanimously approved.

Chloral Hydrate

The concentration range of the studies was 5-27 ug/L. There is almost no data above 10 ug/L. It fails the Stdev R² Eval > 0.75. The 10% rule comes into play below 5 ug/L. Carl is not aware of anyone accredited for this analyte. Jeff is not sure there is really enough data to set fixed limits at $\pm 50\%$ - the largest data set was 8.

A motion was made by Stephen to update the limits for Chloral Hydrate on the DW FoPT table to fixed $\pm 50\%$ of the assigned value and a concentration range of 4 – 30 ug/L. The motion was seconded by Stacie.

Vote: 4 – For 1 – No 1 – Abstention The motion did not pass.

A motion was made by Dan D. to leave the limits for Chloral Hydrate as they are and not update the limits. The motion was seconded by Jeff and unanimously approved.

PAH / Adipate / Phthalate

Benzo(a)pyrene

It passes all SOP criteria. The study data concentration range is 0.2 – 2.42 ug/L. The MCL is 0.2 ug/L. Carl noted that the plots for this analyte were sent out in January 2010. Jeff resent all the plots in July, but it looks like this analyte was missed. Further discussion on this analyte will be saved for the next meeting.

4. New Items

- None.

5. Action Items

- Updates are included in the table.

6. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be September 7, 2010, at 12PM EST.

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

The meeting was adjourned at 1:27 pm EST (Motion: Stephen. Second: Jeff 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 Absent	RT Corp	crucinski@rt-corp.com
Amy Doupe Absent	Lancaster Laboratories, Inc.	717-656-2300 x1812 aldoupe@lancasterlabs.com
Jeff Lowry Present	ERA	303-431-8454 jlowry@eraqc.com
Chuck Wibby Absent	Wibby Environmental	303-940 -0033 cwibby@wibby.com
Eric Smith Absent	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 Present	E.S. BABCOCK & Sons, Inc.	951-653-3351 x238 sfry@babcocklabs.com
Ilona Taunton, Program Administrator Absent	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. <i>(3/24/09 – It was determined that these tables are used by more than just ABs. This needs to be reconsidered.)</i>	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	
68	Let PT Executive Committee know that no further action will be taken on the Accreditation and Experimental Tables until formal direction is given.	Ilona	9/7/10	
69				

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	<p>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.</p> <p>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.</p> <p>5/4: Jeff is working with ELAB on this now.</p> <p>7/19: The workgroup is continuing to work on this and should discuss this on the September 2010 call.</p>
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.