

**TNI Chemistry FoPT Subcommittee
Meeting Summary
September 28, 2010**

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on September 28, 2010 at 12:05 pm EST. Attendance is recorded in Attachment A. There were 7 members on the call today.

The minutes from the September 21st meeting were reviewed. A motion was made by Jeff to accept the minutes with the additions e-mailed by Dan Dickinson. The motion was seconded by Stacey and unanimously approved. The minutes will be posted to the TNI website.

The August 24th minutes were missing the name of the individual who made the motion to accept the limits for Dicamba. The analyte information was reviewed by the subcommittee and presented again for voting as seen below. A note will be added to the minutes of August 24th to refer the vote to these minutes. A motion was made by Jeff to approve the August 24th minutes with the additional note regarding Dicamba. The motion was seconded by Eric and unanimously approved.

2. Update on DW Table

Asbestos

The discussion on this analyte started on the previous call. The additional data provided by Chris did not change anything. He had some concerns about the assigned value. It is presently a study mean with c & d values. Dan Dickinson would prefer to use the consensus standard deviation. Prefer to see standard deviation +/- 2.

Jeff will re-evaluate the data with Chris' data and look at study mean with c & d values. He will mask the data and send the results to the Subcommittee for consideration at the next call.

Total Filterable Residue (Total Dissolved Solids) and Specific Conductance

For TDS, the study range was 209 – 548 mg/L. The Stdev R² was terrible. The MCL is 500 mg/L. Jeff would like the result to be consistent with Specific Conductance (100 – 1000 µmhos/cm). The relationship between TDS and Conductivity is 1.34x TDS.

Carl would like to see a fixed limit of about 20%. Jeff suggested 75 – 750 mg/L for concentration. The data was reviewed. Eric preferred a starting point of 100 mg/L and

then to adjust the Specific Conductance as needed to address Jeff's concern. This would put Specific Conductance at between 130 – 140 μ mhos/cm at the lower end.

A motion was made by Stephen to update the limits for TDS on the DW FoPT table to fixed \pm 20% of the assigned value and a concentration range of 100 – 1000 mg/L. The motion was seconded by Eric. It was unanimously approved.

Based on this approval, Specific Conductance was reconsidered:

A motion was made by Jeff to update the limits approved on 9/21/10 for Specific Conductance on the DW FoPT table to fixed \pm 10% of the assigned value and a concentration range of 130 – 1300 μ mhos/cm. The motion was seconded by Stephen and unanimously approved.

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC)

For TOC, the current range is 1.2 – 4.9 mg/L. The study concentration range is 1.4 – 4.7 mg/L. It did not pass the Stdev R² criteria. Jeff commented that TOC has to have some relation to DOC (an experimental analyte that was moved over to the DRAFT DW FoPT Accreditation table). Looking at the data, the DOC has a similar shape to TOC.

Carl would like to see a concentration range of 1-10 mg/L and limits of \pm 20% fixed. This would give a PTRL of 0.8 mg/L. Eric asked that the PTRL be a minimum of 1 mg/L. Eric preferred a concentration of 1.3 – 13 mg/L.

A motion was made by Eric to update the limits for TOC on the DW FoPT table to fixed \pm 20% of the assigned value and a concentration range of 1.3 – 13 mg/L. The motion was seconded by Stephen. It was unanimously approved.

A motion was made by Jeff to update the limits for Dissolved Organic Carbon (DOC) on the DW FoPT table to fixed \pm 20% of the assigned value and a concentration range of 1.3 – 1300 μ g/L. The motion was seconded by Stacey. It was unanimously approved.

Turbidity

The studies include data between 0.55 – 7.7 NTU. The new acceptance criteria is a little tighter on both ends. Jeff suggested leaving the concentration the same and moving to the new regression equation. The present concentration limit is 0.5 – 8 NTU. The footnote on the NPW table was looked at and it was decided that the footnote about Formazin will be added to the DW table.

A motion was made by Dan Dickinson to update the limits for Turbidity on the DW FoPT table to the regression equation with the abcd coefficients described in the PDF provided by Jeff by e-mail on 9-20-10 and a concentration range of 0.5 – 8.0 NTU. Also include a footnote regarding the formulation as Formazin similar to that found in the NPW table. The motion was seconded by Eric and unanimously approved.

2,3,7,8-Tetrachloro-dibenzodioxin

The MCL is 30 pg/L. The study range was 51 – 72 pg/L. It did not pass any of the criteria. The current limit is 25 – 80 pg/L.

Jeff suggested leaving the analyte on the table as is. Carl suggested changing the concentration to 20 – 100 pg/L, but leave the current regression equation.

A motion was made by Eric to update the concentration limits for 2,3,7,8-Tetrachloro-dibenzodioxin on the DW FoPT table to 20 – 100 pg/L and leave the acceptance limits as they currently are on the DW FoPT table. The motion was seconded by Jeff and unanimously approved.

Dicamba

The new regression equation is better than the previous one. Jeff expressed concern about going down to 5 ug/L. The current limit is 5 – 100 ug/L. The study data was between 17 and 97 ug/L. The current failure rate is 5%.

A motion was made by Eric to update the limits for Dicamba on the DW FoPT table to fixed $\pm 50\%$ of the assigned value and a concentration range of 20 – 100 ug/L. The motion was seconded by Jeff. It was unanimously approved.

This takes care of all DW analytes except Asbestos that will be discussed next week.

3. New Items

- Eric had sent a note to the subcommittee to remove the blue headers to the FoPT table. Carl will make this change to the table when the FoPT table is updated.

Jeff asked that clear instructions be sent to him from the PT Executive Committee regarding the DW FoPT table. Eric sent an e-mail on September 16th. Carl will make the requested changes and get an updated table to Eric for review. The table will then be forwarded to Jeff to add the recently approved analytes to the DW FoPT table.

- Jeff will distribute NPW pesticide and VOA information to begin working on the NPW FoPT table update.

4. Action Items

- Updates are included in the table.

5. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be October 5, 2010, at 12PM EST.

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

The meeting was adjourned at 1:32 pm EST (Motion: Stephen. Second: Eric 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 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 Present	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. <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	
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	<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> <p>9/21: No work has been done in ELAB – so this has been delayed a month.</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.