

TNI Chemistry FoPT Subcommittee
Meeting Summary
April 5, 2011

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on April 5, 2011 at 12:08 EST. Attendance is recorded in Attachment A. There were 7 members on the call today.

The minutes from the March 22, 2011 meeting were reviewed. Chuck made a motion to approve the minutes. The motion was seconded by Dan T. and unanimously approved. The minutes will be posted on the TNI website.

2. NPW FoPT Tables

Aluminum

The study concentration was 300-3890 ug/L. It passed all SOP criteria. It did not pass the criteria for fixed limits. Carl suggested a range of 300 – 4000 ug/L. The proposed equations are a little tighter than the old one.

A motion was made by Chuck to update the limits for Aluminum on the NPW FoPT accreditation table (200 - 4000 ug/L) and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 11/8/2010). The motion was seconded by Stacey and unanimously approved.

Antimony

The study concentration was 109-829 ug/L. It passed all SOP criteria. It did not pass the criteria for fixed limits. The new limits look a little tighter. Carl recommended extending the upper range to 1000 ug/L. Chuck suggested 90 – 900 ug/L instead.

A motion was made by Chuck to update the limits for Antimony on the NPW FoPT accreditation table (90 - 900 ug/L) and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 11/8/2010). The motion was seconded by Dan D.

Eric commented that a lab running 6010, the LCS allows 80-120%. The new regression equation is narrowing the window.

Vote on Motion: 6 – Yes 1 – Abstain (Eric is abstained.) The motion is approved.

Arsenic

The study concentration was 80-851 ug/L. It passed all SOP criteria. It did not pass the criteria for fixed limits. The acceptance limits look a little wider at the lower limit with the new regression equation. They are about the same at the upper limit. Carl would like to make it consistent with Antimony.

A motion was made by Chuck to update the limits for Arsenic on the NPW FoPT accreditation table (90 - 900 ug/L) and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 11/8/2010). The motion was seconded by Stacey and unanimously approved.

Barium

The study concentration was 138 - 2450 ug/L. It passed all SOP criteria. It passed the criteria for fixed limits at 12.7%. Carl suggested the present concentration range and a fixed limit of +/- 15%. Eric commented that the concentration range in non-potable is 120- 2500 ug/L and in potable it is 500-3000 ug/L. It may be due to promulgated ranges?

A motion was made by Eric to update the limits for Barium on the NPW FoPT accreditation table (100 - 2500 ug/L) and to assigned value fixed limits of +/- 15%. The motion was seconded by Dan T. and unanimously approved.

Chuck commented that this will be the first fixed limit to a metal in the NPW table.

Beryllium

The study concentration was 9.97 - 785 ug/L. It passed all SOP criteria. It did not pass the criteria for fixed limits. The current range is 8 – 900 ug/L. Chuck commented that it does not need to go above 500 ug/L – it is not common. The DW is 1 -10 ug/L.

A motion was made by Chuck to update the limits for Beryllium on the NPW FoPT accreditation table (50 - 500 ug/L) and to assigned value fixed limits of +/- 15%. The motion was seconded by Eric and unanimously approved.

Boron

The study concentration was 514 - 7720 ug/L. It passed all SOP criteria. It passed fixed limit criteria of 11.5%. It is 800 – 2000 ug/L on the DW. More of the data is up around 800 ug/L. Dan noted that there could be some issues with the regression equation. Chuck suggested a fixed limit of 20%. It was suggested that the 800 -2000 ug/L points should be used to re-run the calculation. Carl will ask Jeff to redo this one.

Cadmium

The study concentration was 29.9 – 733 ug/L. It passed all SOP criteria. It did not pass the criteria for fixed limits. Carl would recommend raising the lower limit to 50 ug/L. He would also recommend fixed limits of 15%. The DW limit is 20%, but the concentrations are much lower.

A motion was made by Chuck to update the limits for Cadmium on the NPW FoPT accreditation table (50-500 ug/L) and to assigned value fixed limits of +/- 15%. The motion was seconded by Eric and unanimously approved.

Chromium, Total

The study concentration was 33.7 - 985 ug/L. It passed all SOP criteria. It did not pass the criteria for fixed limits. The data is improved at a lower limit of 50 ug/L.

A motion was made by Eric to update the limits for Chromium, Total on the NPW FoPT accreditation table (100 - 1000 ug/L) and to assigned value fixed limits of +/- 15%. The motion was seconded by Chuck and unanimously approved.

Chuck needed to leave the call for another appointment.

Chromium VI

The study concentration was 69.5 - 869 ug/L. It passed all SOP criteria. It did pass fixed limit criteria at 14.3%. At 900 ug/L it comes to about 15% if the new regression equation is used. The new regression equation is a little tighter than the current.

A motion was made by Dan D. to update the limits for Chromium VI on the NPW FoPT accreditation table (90 - 900 ug/L) and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 11/8/2010). The motion was seconded by Stephen and unanimously approved.

Cobalt

The study concentration was 33.3 - 984 ug/L. It passed all SOP criteria. It did pass fixed limit criteria of 11.7%. Carl would recommend a limit of +/-15%.

A motion was made by Stephen to update the limits for Cobalt, Total on the NPW FoPT accreditation table (100 - 1000 ug/L) and to assigned value fixed limits of +/- 15%. The motion was seconded by Stacey and unanimously approved.

Copper

The study concentration was 33 - 873 ug/L. It passed all SOP criteria. It did not pass the criteria for fixed limits. Carl recommends a lower limit of 100 and expanding the upper to 1000 for consistency.

A motion was made by Dan D to update the limits for Copper, Total on the NPW FoPT accreditation table (100 - 1000 ug/L) and to assigned value fixed limits of +/- 15%. The motion was seconded by Stephen and unanimously approved.

Iron

The study concentration was 204 - 3930 ug/L. It passed all SOP criteria. It passed fixed limit criteria at 13.3%. An assigned value of +/-15% would work.

A motion was made by Stephen to update the limits for Iron on the NPW FoPT accreditation table (200 - 4000 ug/L) and to assigned value fixed limits of +/- 15%. The motion was seconded by Stacey and unanimously approved.

Lead

The study concentration was 102 - 2590 ug/L. It passed all SOP criteria. It did not pass the criteria for fixed limits. This is a trace metal. The upper limit appears high. Stacey suggested 100 – 1000 ug/L.

A motion was made by Eric to update the limits for Lead on the NPW FoPT accreditation table (100 - 1500 ug/L) and to assigned value fixed limits of +/- 15%.The motion was seconded by Stephen and unanimously approved.

Manganese

The study concentration was 75.3 - 3680 ug/L. It passed all SOP criteria. It did not pass the criteria for fixed limits. This is another trace metal. The upper limit looks high and there is data at this upper limit. Carl suggested a limit of 100 – 2000 ug/L and fixed limits of +/- 15%. Eric suggested a lower limit of 200 ug/L. The DW limits are 40 – 900 ug/L.

A motion was made by Eric to update the limits for Manganese on the NPW FoPT accreditation table (200 - 2000 ug/L) and to assigned value fixed limits of +/- 15%. The motion was seconded by Stacey and unanimously approved.

3. Action Items

Updates were made directly to the Action Table.

4. New Business

None.

5. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be April 19, 2011, at 12:00 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: Stephen 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
Joe Marotti Absent	RT Corp	crucinski@rt-corp.com 307-721-5485
Amy Doupe Absent	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 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. (3/24/09 – <i>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	
74	Check with Eric on SC request for low level EDB, DBCP. Send back to PT Executive Committee.	Carl	10/26/10	
80	Contact ACLASS to check on possible member for subcommittee. Lab candidate can start as an associate member.	Carl	Next meeting	
82	Recalculate 2-Butanone based on discussion.	Jeff	4/5/11	Sent at beginning of meeting today. Resend.
84	Recalculate limits for Boron.	Jeff	4/19/11	
85				

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.
7	Review completed NPW table and look for	11-30-10	

	grouped analytes that behave similarly and look for consistent criteria. Compare results to Drinking Water values too.		
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