

**TNI Chemistry FoPT Subcommittee
Meeting Summary
September 20, 2011**

1. Roll call and Meeting Minutes:

Chair Carl Kircher asked Eric Smith to chair the call. Eric called the Chemistry FoPT Subcommittee to order on September 20, 2011 at 12:03 EST. Attendance is recorded in Attachment A. There were 7 members on the call today.

Meeting minutes were reviewed (August 23, 2011). Joe made the motion to accept and approve the minutes. Mark seconded the motion. The motion was unanimously approved and the meeting minutes will be posted on TNI website.

2. NPW FoPT Tables

The group is working off of the table that Carl e-mailed on August 10, 2011. The analyte files were sent August 18th.

Conductivity

The study concentration was 252 – 1150 $\mu\text{mhos/cm}$ for Conductivity. SOP criteria passed. Carl suggested using fixed limits and a concentration of 200 – 1200 $\mu\text{mhos/cm}$. It passed the fixed limit criteria at 8.2%. Mark commented that he wants to be sure it is not too tight – increased failure rate? Dan D.'s data shows about +/- 10% and he would not support making it wider.

Dan D. commented that perhaps the limits should remain the same since PT providers are seeing different things in their studies.

A motion was made by Dan Tholan to update the concentration limits for Conductivity on the NPW FoPT accreditation table to 200 – 1000 $\mu\text{mhos/cm}$ and have fixed limits of assigned value +/- 10%. The motion was seconded by Dan D. and unanimously approved.

Total Cyanide

The study concentration was 0.12 – 0.96 mg/L. It passed all SOP criteria. Carl suggested a concentration range of 0.1 – 1 mg/L and +/- 35% fixed limits. Dan D. would agree with the fixed limit suggestion – this is supported by his data. The new regression equation looks like +/- 10%. In drinking water the limits are +/- 25%. The methods are different.

There was general discussion on the trend towards fixed limits by this committee and other international committees.

A motion was made by Dan D. to update the concentration limits for Total Cyanide on the NPW FoPT accreditation table to 0.1 – 1 mg/L and have fixed limits of assigned value +/- 35%. The motion was seconded by Dan Tholan and unanimously approved.

Total Phenol

The study concentration was 0.104 – 4.956 mg/L. It passes all SOP criteria. Carl suggested 0.3 – 5 mg/L and acceptance limits with the new regression equations. The recovery is low at 0.3, so it was suggested to raise this.

A motion was made by Mark to update the concentration limits for Total Phenol on the NPW FoPT accreditation table to 0.5 – 5 mg/L and use the regression equation with the abcd coefficients described in the PDF provided by Carl (dated 11-22-2010). The motion was seconded by Joe and unanimously approved.

Total Residual Chlorine

The study concentration was 0.41 – 4.33 mg/L. It passed SOP criteria. Carl noted that this is not the low level PT. He would like to see the concentration range expanded and the new regression equation used. Fixed limits would violate our SOP. Stacey's lab calibrates between 0.1 – 2 mg/L.

A motion was made by Joe to maintain the current concentration limits for Total Residual Chlorine on the NPW FoPT accreditation table (0.5 – 3 mg/L) and use the regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 11-22-2010). The motion was seconded by Stacey and unanimously approved.

Surfactants - MBAS

The study concentration was 0.23 – 1 mg/L. It passed SOP criteria. Carl suggested a range of 0.2 – 1 mg/L. The new regression equation fails the Stdev R² Eval > 0.75 criteria. He suggests leaving everything the same.

A motion was made by Stacey to keep the current concentration limits (0.2 – 1 mg/L) and the current regression equation with the current coefficients for Surfactants. The motion was seconded by Mark and unanimously approved.

pH

The study concentration was 5.21 – 9.9 pH units. It did not pass the Stdev R² Eval > 0.75 and Mean R² Eval > 0.9 criteria. Carl commented that there is a difference below or above 7pH. Eric prefers to keep the current criteria.

A motion was made by Mark to keep the current concentration limits (5-10 pH units) and the current regression equation with the current coefficients for pH. The motion was seconded by Joe and unanimously approved.

TDS

The study concentration was 77.7 – 800 mg/L. It did not pass the Stdev R² Eval > 0.75 criteria. Carl commented that this is a complicated analysis. He recommends a concentration of 140 – 800 mg/L and keeping the current regression equation. The current limits are 140 – 650 mg/L. It will have an impact on the Total Solids. Most people felt the limit should not be expanded to 800 mg/L. Carl suggested a similar change to the Total Solids (current limit is 140 – 675 mg/L).

There was additional discussion. It was proposed to use the assigned value (instead of the study mean) of the current acceptance criteria and keeping the current c and d coefficients. The linear regression equation would not be used, only the current c and d coefficients.

The committee decided they wanted more time to think about this and would prefer to consider TDS, Total Solids and TSS together at the next meeting. Eric reviewed Carl's recommendations.

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 October 4, 2011, at 12:00 PM EST.

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

Mark motioned to adjourn the meeting and Joe seconded the motion. Unanimously approved. The meeting was adjourned at 1:13 pm EST.

Attachment A

Participants TNI Chemistry FoPT Subcommittee

Members	Affiliation	Contact Information
Carl Kircher, Chair Absent	Florida DOH	904-791-1574 carl_kircher@doh.state.fl.us
Joe Marotti Present	RT Corp	307-721-5485 jmorotti@rt-corp.com
Amy Doupe Present	Lancaster Laboratories, Inc.	717-656-2300 x1812 aldoupe@lancasterlabs.com
Mark Mensik Present	Wibby Environmental	303-940 -0033 MMensik@wibby.com
Eric Smith Present – Chaired Meeting	TestAmerica	615-726-0177 x1238 eric.smith@testamericainc.com
Dan Tholen Present	A2LA	231-929-1721 Tholen.dan@gmail.com
Stephen Arpie Absent	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	Ongoing	
80	Contact ACLASS to check on possible member for subcommittee. Lab candidate can start as an associate member.	Carl	Next meeting	Carl has talked to Keith. He will follow-up and set a deadline.
84	Discuss the possibility of getting more laboratory feedback before FoPT tables are finalized.	Carl	Next Meeting	
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.		
9			