

**TNI Chemistry FoPT Subcommittee
Meeting Summary
December 8, 2009**

1. Roll call and Meeting Minutes:

Co-Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on December 8, 2009, at 12pm EST. Attendance is recorded in Attachment A.

The minutes from the December 1, 2009 meeting were distributed and reviewed. Jim motioned to accept the minutes and Eric seconded this motion. The minutes were unanimously approved. They will be forwarded to the webmaster for posting on the TNI website.

2. PT Acceptance Limits

Herbicides – DW Experimental Analytes

3,5-Dichlorobenzoic acid

A motion was made by Chuck to move this compound over to the accreditation table at its current limits as listed in the experimental table (effective July 1, 2007). The motion was seconded by Steve and it was unanimously approved. The motion carried.

Bentazon

A motion was made by Chuck to move this compound over to the accreditation table at its current limits as listed in the experimental table (effective July 1, 2007). The motion was seconded by Steve and it was unanimously approved. The motion carried.

All the experimental DW analytes have now been completed. The table needs to be updated and the subcommittee needs to approve it. Once approved, the table will be sent to the PT Board for approval. The table will also include updates for the DW analytes that were reviewed before the subcommittee starting focusing on experimental analytes.

Carl suggested that the group look at other DW analytes with limits that are regulatory driven. His thoughts were to leave them as they are on the current table. It was mentioned that concentration ranges on the analytes on the DW table effective on January 1, 2009 are varied. The group talked about whether these limits should be made more consistent. Chuck suggested that these need to be looked at

more closely, so we should move on to the NPW Experimental Analytes and then come back to look at the accreditation analytes.

NPW

Acidity, as CaCO₃

A motion was made by Chuck and seconded by Steve to approve the limits as described in the table below. The motion carried with a unanimous vote.

Color

Some labs report in whole units in multiples of 5. Chuck suggests using a regression equation. The data shows this should work.

A motion was made by Chuck and seconded by Steve to approve the limits as described in the table below. The motion carried with a unanimous vote.

Settleable Solids

Eric noted that there was a question that came in as a Standard Interpretation Request (SIR) to the PT Board that may have some impact on this question. After review, Carl and Eric agreed that there should not be an issue.

Do we add hour to the units? This is what is mentioned in standard methods. Eric supported adding the hour to the units.

Chuck commented that the new regression equations are better than the older ones. It was suggested to consider raising the lower end to 10 instead of the current 5 mL/L.

A motion was made by Chuck and seconded by Steve to approve the limits as described in the table below. The motion carried with a unanimous vote.

Silica as SiO₂

The data indicates that +/- 20% fixed should work. Currently it is at +/- 25%. Chuck pointed out that we eliminated 23% of the data to get to +/- 20%, so he recommended leaving it as is. On the DW table we show 5-75 mg/L and +/- 15% fixed. Dan questioned why we are going to 25% here. Chuck pointed out there is a difference in standard deviations.

A motion was made by Chuck and seconded by Steve to approve the limits as described in the table below (no change from current). The motion carried with a unanimous vote.

Total Organic Halides (TOX)

Carl suggested moving it over as is. Eric had a note to recommend 50-500 ug/L for a concentration range. Eric asked if the subcommittee could pass on further discussion and bring this up at the next meeting.

Turbidity

Carl suggested leaving it at 1-20 NTU. The DW is 0.5 – 8 NTU. Eric asked if the lower limit could be raised to 2. Stacie's RL is 0.2.

A motion was made by Chuck and seconded by Steve to approve the limits as described in the table below. The motion carried with 7 votes in favor and 1 abstention.

Volatile Residue

There is an issue that previously came up that may have impact. This is based on a total (volatile suspended solids vs. total volatile solids vs. dissolved). Carl: The PT providers on the teleconference unanimously said that the Volatile Residue PT was formulated and scored based on it being a Volatile Total Solids proficiency sample. The PT should not be run based on Volatile Suspended Solids or Volatile Dissolved Solids. Perhaps a footnote could be added to the formulation recommendations of the NPW FoPT Table to clarify this point and to answer the Standard Interpretation Request that was submitted to the PT Board.

The new regression equations are better than the old, but still tight on the high end.

Volatile Solids, Total:

A motion was made by Eric for a concentration range of 100-500 mg/L and limits to use the new regression equation criteria in Jeff's table. The motion was seconded by Steve. The motion carried with 7 votes in favor and 1 abstention.

Summary	Concentration	Limit
Acidity, as CaCO ₃	650 - 1800 mg/L	90-110% fixed limits about the assigned value.
Color	10 – 75 PC Units	Proposed regression equation recommended by table sent by Jeff on 11-23-09.
Settleable solids	5 – 50 mL/L per 1 hour period.	Proposed regression equation recommended by the table sent by Jeff on 11-23-09.

Summary	Concentration	Limit
Volatile Solids, Total	100-500 mg/L	Proposed regression equation recommended by table sent by Jeff on 11-23-09.
Silica as SiO ₂	50-250 mg/L	+/- 25% fixed acceptance limit
Total Organic Halides (TOX)	Hold for next meeting.	Hold for next meeting.
Turbidity	1-20 NTU	Proposed regression equation recommended by the table sent by Jeff on 11-23-09.

3. New Items

- What is going to happen with the low level mercury and low level total residual chlorine? Only the low level mercury was approved by the PT Board. Patrick Yellin will be joining the next PT Board call to discuss the low level total residual chlorine. It is expected that this should be resolved at the next PT Board call on the 17th.

4. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be December 15, 2009, at 12PM EST.

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

The meeting ended at 1:31pm EST.

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
Brian Boling, Co-Chair Absent	Oregon DEQ	Boling.Brian@deq.state.or.us
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 Absent	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
Jim Present		860-947-2121 mousejr@nu.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	
22.	Prepare for upcoming meetings by reviewing evaluation files that Jeff will send every 2 weeks.	All	Ongoing	
38	Low Level Mercury - Brian will see if there is anymore data below 20 ng/L and provide this to the subcommittee if it becomes available.	Brian	On-going	
39	Low Level Total Residual Chlorine - Brian will check with some of the other PT Providers to see if they have any more data.	Brian	11/17/09	
40	Start table for compounds that need to be removed.	Jeff	12/8/09	
41	Get updated DW table from Jeff to approve at next meeting.	Carl	12/15/09	

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.
3	Consider changing the lower limit for Vanadium on WP to 50 ug/L.	6-30-09	
4			
5			