

**TNI Chemistry FoPT Subcommittee  
Meeting Summary  
June 16, 2009**

1. Roll call and Meeting Minutes:

Co-Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on June 16, 2009, at 11am EST. Attendance is recorded in Attachment A.

Minutes from the June 2, 2009 meeting were reviewed and approved. Change range to 225 for calcium hardness. Ilona will have the final version posted on the website. (Motion - Eric., Second – Steve, Unanimously approved.)

2. DRAFT Chemistry FoPT Tables

Jeff led the group through the Excel Spreadsheets he sent out to the group on June 15, 2009.

He continued with the table titled: TNI Chem DW Evaluation 2009:

Bromide: Jeff recalculated based on the discussion at the last meeting. He reviewed his findings.

Conclusion: Recommend +/- 15% limits. Concentration Range: 50-300 ug/L

Motion: Jeff Second: Steve Unanimously approved.

Aluminum: The graphs and data were reviewed and discussed. Concerned that upper limit is too high. Stacey mentioned the only time they see such a high level is in PTs. 1000 ug/L has been recommended as an upper range. The MCL is 200 ug/L. The lower range number should be around 200 ug/L.

Conclusion: Recommend +/- 20% limits at <500 ppb; +/- 15% limit at  $\geq$ 500 ppb.

Concentration Range: 130 – 1000 ug/L.

Motion: Eric Second: Steve Unanimously approved.

Antimony: Keep at current concentration range and acceptance limits as tabulated.

Conclusion: Recommend +/-30% limits. Concentration Range: 6-50 ug/L.

Motion: Steve Second: Stacey Unanimously approved.

Arsenic (includes low): NELAC changed the concentration range – you can see this in the graph when it changed. Eric suggested raising lower limit to 10 and upper to 100. Carl suggested keeping as is.

Conclusion: Keep at current concentration range and acceptance limits as tabulated.

Recommend +/-30% limits. Concentration Range: 5-50 .

Motion: Steve Second: Stacey Unanimously approved.

Barium: MCL is 2000 ug/L, reporting limit at 10 ug/L.

Conclusion: Keep at current concentration range and acceptance limits as tabulated.

Recommend +/- 15% limits. Concentration Range: 500-3000 ug/L.

Motion: Eric Second: Steve Unanimously approved.

Beryllium: Eric asked to raise the conc range. Keep limits the same.

Conclusion: Recommend +/- 15% limits. Concentration Range: 2-20 ug/L.

Motion: Jeff Second: Eric Unanimously approved.

Boron: There are some issues that you can see on the graph. On the lower end, the acceptance limits tighten up. On the 2<sup>nd</sup> page – quite a bit of data is taken out. Due to Boron and glass problems. Lab reporting limits are 50 ug/L. An 85-115% is consistent with the other metals.

Conclusion: Recommend leave as is. 85-115% limits. Concentration Range: 800-2000 ug/L.

Motion: Eric Second: Steve Unanimously approved.

Cadmium: MCL is 5 ug/L, Lab RL is 1 ug/L.

Conclusion: Recommend keep as is: +/- 20% limits. Concentration Range: 2-50 ug/L.

Motion: Steve Second: Stacey Unanimously approved.

Chromium: MCL is 100 ug/L, Lab RL is 5 ug/L

Conclusion: Recommend keeping the same as currently stated in table.

+/- 15% limits. Concentration Range: 10-200 ug/L.

Motion: Steve Second: Stacey Unanimously approved.

Copper: MCL is 1000 ug/L.

Conclusion: Leave as is. Recommend +/- 10% limits. Concentration Range: 50-2000 ug/L.

Motion: Steve Second: Stacey Unanimously approved.

Iron: Even though some of the providers provided different upper end

concentrations, there was no affect on the data. MCL is 300 ug/L.

Conclusion: Recommend < 250 ug/L, +/-20% limit; ≥ 250 ug/L, +/- 15% limits.

Concentration Range: 100-1800 ug/L.

Motion: Eric Second: Stacey Unanimously approved.

Lead: Quite a bit of scatter with lead. MCL is 15 ug/L, Lab RL is 5 ug/L.

Conclusion: Keep as is. Recommend +/- 30% limits. Concentration Range: 5-100 ug/L.

Motion: Steve Second: Stacey Unanimously approved.

Manganese: 57-860 ug/L ranges in data. Passes checks to set as a fixed limit.

Conclusion: Recommend +/- 15% limits. Concentration Range: Leave as is at 40-900 ug/L.

Motion: Eric Second: Steve Unanimously approved.

Molybdenum: Doesn't pass criteria to set as a fixed limit. Looking at graph it does appear to be within +/- 15%. Jeff suggests raising lower concentration range to 20 ug/L from 15 ug/L. There is no MCL. Steve suggests leaving as is.

Conclusion: Recommend +/- 15% limits. Concentration Range: 15 – 130 ug/L.

Motion: Steve Second: Stacey Unanimously approved.

Nickel: Jeff didn't see an MCL. Amy shows an MCL of 100 ug/L. Range seems a little low. Carl recommends keeping it as is.

Conclusion: Keep as is. Recommend +/- 15% limits. Concentration Range: 10-500 ug/L.

Motion: Stacey Second: Eric Unanimously approved.

#### 4. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be June 30, 2009, at 11AM EST. Jeff will send out evaluation files prior to the call and desktop sharing will be made available during the call.

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

The meeting was adjourned at 12:32 PM EST. (Motion: Stacey Second: Steve.)

## Attachment A

### Participants TNI Chemistry FoPT Subcommittee

Members	Affiliation	Contact Information
Carl Kircher, Co-Chair <b>Present</b>	Florida DOH	904-791-1574 <a href="mailto:carl_kircher@doh.state.fl.us">carl_kircher@doh.state.fl.us</a>
Brian Boling, Co-Chair <b>Absent</b>	Oregon DEQ	<a href="mailto:Boling.Brian@deq.state.or.us">Boling.Brian@deq.state.or.us</a>
Amy Doupe <b>Present</b>	Lancaster Laboratories, Inc.	717-656-2300 x1812 <a href="mailto:aldoupe@lancasterlabs.com">aldoupe@lancasterlabs.com</a>
Jeff Lowry <b>Present</b>	ERA	303-431-8454 <a href="mailto:jlowry@eraqc.com">jlowry@eraqc.com</a>
Chuck Wibby <b>Absent</b>	Wibby Environmental	303-940 -0033 <a href="mailto:cwibby@wibby.com">cwibby@wibby.com</a>
Eric Smith <b>Present</b>	TestAmerica	615-726-0177 x1238 <a href="mailto:eric.smith@testamericainc.com">eric.smith@testamericainc.com</a>
Dan Tholen <b>Present</b>	A2LA	231-929-1721 <a href="mailto:Tholen.dan@gmail.com">Tholen.dan@gmail.com</a>
Stephen Arpie <b>Present</b>	Absolute Standards, Inc.	203-281-2917 <a href="mailto:stephenarpie@mac.com">stephenarpie@mac.com</a>
Dan Dickinson <b>Absent</b>	New York, DOH	518-485-5570 <a href="mailto:dmd15@health.state.ny.us">dmd15@health.state.ny.us</a>
Stacey Fry <b>Present</b>	E.S. BABCOCK & Sons, Inc.	951-653-3351 x238 <a href="mailto:sfry@babcocklabs.com">sfry@babcocklabs.com</a>
Jim <b>Absent</b>		<a href="mailto:mousejr@nu.com">mousejr@nu.com</a>
Ilona Taunton, Program Administrator <b>Present</b>	TNI	828-712-9242 <a href="mailto:tauntoni@msn.com">tauntoni@msn.com</a>

**Attachment B**

**Action Items – Chemistry FoPT Subcommittee**

	<b>Action Item</b>	<b>Who</b>	<b>Expected Completion</b>	<b>Actual Completion</b>
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	
19.	Request the final revision of the SOP #4-001 Guidelines for Calculation of Acceptance Limits from the TNI PT Board.	Eric/Carl	5/5/09	Delayed due to exp PT tables.
21.	Subcommittee members with labs to provide information about PT analytes. Information needs to be submitted to Jeff.	Eric Stacey Amy	5/31/09	
22.	Prepare for upcoming meetings by reviewing evaluation files that Jeff will send every 2 weeks.	All	Ongoing	

**Attachment C**

**Backburner / Reminders – Chemistry FoPT Subcommittee**

	<b>Item</b>	<b>Meeting Reference</b>	<b>Comments</b>
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.
2	Reminder: Look at what the minimum “n” should be once we start getting data from the PT providers. Take a few studies and run some comparisons. Also, look to see if the unacceptable rates are higher in smaller studies.	12-16-08	
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