

**TNI Chemistry FoPT Subcommittee  
Meeting Summary  
May 19, 2009**

1. Roll call and Meeting Minutes:

Co-Chair Brian Boling called the Chemistry FoPT Subcommittee to order on May 19, 2009, at 11am EST. Attendance is recorded in Attachment A.

Minutes from the May 5, 2009 meeting were reviewed and approved. Ilona will have these posted on the website. (Motion-Carl, Second – Jeff, Unanimously approved.)

2. DRAFT Chemistry FoPT Tables

Jeff led the group through the Excel Spreadsheets he sent out to the group on May 15<sup>th</sup> and 18<sup>th</sup>.

He started with the table titled: TNI Chem DW Evaluation 2009.

Reviewed:

- All data was asked for from PT Providers - no specification for only NELAP Accredited labs was given.
- Data that does not support CFR limits should be communicated to ELAB. Fluoride is an example of this.
- Chuck: Providers calculate mean and standard deviation differently when they are required to calculate out a mean or SD and when the mean and SD they calculate are for internal use only; for example when the actual limits for a PT analyte are fixed limits. As a result we may not know exactly how the provider calculated the mean and SD provided that is displayed on the graphs we are looking at.
- Jeff will send an updated table at the end of the call. He asked that everyone review the next analytes and send questions to him. He will e-mail answers to all other meeting participants. Consider what you know about various state limits on these analytes.

Chloride: Looking at graphs, proposed limits are tighter. Carl suggested 20-160 mg/L for the concentration range based on the information in the charts. Jeff plugged this into the chart and the group reviewed the outcome.

Conclusion: Recommend 85-115% limits. Concentration Range: 20-160 mg/L.

Motion: Carl Second: Steve Unanimously approved.

Fluoride: CFR has 90-110%. The graph supports 85-115%, but it must be left at 90-110% due to the CFR limits. Keep concentration the same.

Conclusion: Keep limits and concentration the same.

Motion: Carl Second: Steve Unanimously approved.

Nitrate:

Conclusion: Keep 90-110% and same concentration range.

Motion: Carl Second: Steve Unanimously approved.

Nitrate + Nitrite: Need to consider a fixed limit of 90-100% because of CFR for nitrate. Nitrite is fixed at +/- 15% by CFR. Carl felt the data supports 85-115%.

Conclusion: Use 85-115% for limit Concentration Range: 3 to 10 mg/L.

Motion: Carl Second: Steve Unanimously approved.

Nitrite as N:

Conclusion: Keep limit as 85-115%. Concentration Range: 0.4 to 2 mg/L

Motion: Carl Second: Steve Unanimously approved.

Ortho-Phosphate: Looks like 85-115% is what the data supports.

Conclusion: Fixed Limit 85-115% Concentration Range: 0.5 to 5.5 mg/L

Motion: Carl Second: Steve Unanimously approved.

Sulfate: Sparse after 200 as far as providers making it. MCL is 250. Range is to 500. Do we need to have it this low and up to 500? Carl suggested 50 – 500 mg/L. Amy and Stacey suggested no lower than 25-30 mg/L. Brian sees no reason to go to 500 mg/L.

Conclusion: Limit 85-115% Concentration Range: 25-250 mg/L

Motion: Jeff Second: Steve Unanimously approved.

(Experimental Analyte) Perchlorate: There is enough data to place this on the analyte tables. Action level in CA is 6 ug/L. EPA proposed 32 ug/L and other states have proposed 18 ug/L. Suggests widening it on upper end. Massachusetts has it down to 2 ug/L as an MDL level. Method 314 is used more often than Method 332.

Conclusion: Limit 80-120% Concentration Range: Current 4-20 ug/L

Motion: Carl Second: Steve Unanimously approved.

#### 4. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be June 2, 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.

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The meeting was adjourned at 12:30 PM EST.

**Attachment A**

**Participants  
TNI  
Chemistry FoPT Subcommittee**

<b>Members</b>	<b>Affiliation</b>	<b>Contact Information</b>
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>Present</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>Present – Joined 11:45am</b>	Wibby Environmental	303-940 -0033 <a href="mailto:cwibby@wibby.com">cwibby@wibby.com</a>
Eric Smith <b>Absent</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>Present</b>	New York, DOH	518-485-5570 <a href="mailto:dmd15@health.state.ny.us">dmd15@health.state.ny.us</a>
Stacey Fry <b>Absent</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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