

**TNI Chemistry FoPT Subcommittee  
Meeting Summary  
November 17, 2009**

1. Roll call and Meeting Minutes:

Co-Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on November 17, 2009, at 12:07pm EST. Attendance is recorded in Attachment A.

The minutes from the November 10, 2009 meeting were distributed and reviewed. Eric mentioned that Action Item #19 needs to be changed to "Complete". Stephen motioned to accept the minutes with the change and Jim seconded this motion. They were unanimously approved. They will be forwarded to the webmaster for posting on the TNI website.

2. PT Acceptance Limits

**Inorganic Miscellaneous DW Experimental Analytes**

Corrosivity (Langlier Index)

After a little discussion and review of the data from Jeff Lowry, the Subcommittee consensus was to move the experimental FoPT to the accreditation table with no changes to the existing listing. The range was -4 to +4 SI units, and the acceptance criteria is fixed limits at +/- 0.4. The motion was made by Steve, seconded by Staci, and passed unanimously.

Dissolved Organic Carbon

Similarly, the Subcommittee felt this FoPT could also be moved from experimental to the accreditation table with no other changes. Concentration range and acceptance limits are consistent with the corresponding Total Organic Carbon in DW. The motion was made by Eric, seconded by Stephen, and passed unanimously.

MBAS (Surfactants)

After a little discussion and review of the plots, the Subcommittee consensus was to recommend the proposed regression equations with coefficients presented. Concentration range should be 0.1-1.0 mg/L (LAS). A motion was made by Eric, seconded by Staci, and passed unanimously.

### Silica as SiO<sub>2</sub>:

A motion was made by Stephen: Concentration Range: 5 to 75 mg/L Fixed limits of +/- 15%. It was seconded by Stacie and unanimously approved.

### UV 254 Absorbance

A motion was made by Chuck: Concentration Range: 0.05 – 0.7 cm<sup>-1</sup> Proposed Regression Equation e-mailed by Jeff. It was seconded by Stephen and unanimously approved.

## **PAH / Phthalate / Adipate DW Experimental Analytes**

### PAH

Between the last meeting and e-mail correspondence, the following straw vote request went out to the subcommittee:

Place two votes – top choice and second choice:

1. Regression equations with the coefficients presented.
2. Fixed limits at +/- 40% of assigned value.
3. Fixed limits at 50-130% of assigned value (Steve Arpie's idea since some analytes show negative bias).
4. The regression equations with footnote as described: Acceptance Limits are calculated using the assigned value and the regression equation constants and set at the predicted mean +/- 2 X the predicted SD. If the calculated lower acceptance limit is greater than 70% of the Assigned Value the lower acceptance limit is set at 70% or the Assigned Value. If the calculated upper acceptance limit is less than 130% of the Assigned Value the upper acceptance limit is set at 130% of the Assigned Value.

There were 8 out of 11 people who voted and the results did not give a clear direction. There were four first choice votes for #4, three for #2 and one for #3. There were two second choice votes for #2, two for #3 and one for #1. Discussion on these analytes continued.

- Chuck preferred to take off the benzo-a-pyrene because it is not an experimental analyte.
- Carl asked if everyone was OK with the concentration ranges on the chart and everyone appeared to be OK. Carl proceeded to suggest moving everything over to the tables with a +/- 50% fixed limits, with the exception of Naphthalene at a fixed limit of 40%.

A motion was made by Stephen for the concentrations and limits described in the table below. The motion was seconded by Eric and the motion was unanimously approved.

Compound	Grouping	Concentration (ug/L)		Fixed Limits
		1	10	
<b>Acenaphthene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%
<b>Acenaphthylene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50 %
<b>Anthracene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%
<b>Benzo(a)anthracene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%
<b>Benzo(b)fluoranthene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%
<b>Benzo (g,h,i)perylene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%
<b>Benzo(k)fluoranthene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%
<b>Chrysene</b>	Polyaromatic Hydrocarbons	1	10	+/-50%
<b>Dibenz(a,h)anthracene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%
<b>Fluoranthene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%
<b>Fluorene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%
<b>Indeno(1,2,3-cd)pyrene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%
<b>Naphthalene</b>	Polyaromatic Hydrocarbons	2	50	+/- 40%
<b>Phenanthrene</b>	Polyaromatic Hydrocarbons	1	10	+/- 50%

Compound	Grouping	Concentration (ug/L)		Fixed Limits
		1	10	
Pyrene	Polyaromatic Hydrocarbons	1	10	+/- 50%

Phthalates:

The concentration range needs to stay the same. Discussion centered around proposing to move all at +/- 50% instead of the current 60%. Chuck is a little concerned about Di-n-octylphthalate at below 20 ug/L. Steve said it is tailing. It is more of a challenge.

Chuck made a motion to accept the first four analytes in the table below at the listed concentrations and limits. The motion was seconded by Eric and unanimously approved.

Chuck made a motion to accept the fifth analyte in the table below at the listed concentration and limit. The motion was seconded by Stephen and unanimously approved.

Analyte	Conc Range	Limits
Butylbenzylphthalate	10 – 50 ug/L	+/- 50%
Di-n-butylphthalate	10 – 50 ug/L	+/- 50%
Diethylphthalate	10 – 50 ug/L	+/- 50%
Dimethylphthalate	10 – 50 ug/L	+/- 50%
Di-n-octylphthalate	10 – 50 ug/L	+/- 60%

Jeff will prepare the remaining DW experimental analytes for the next call.

3. New Items

None.

4. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be November 24, 2009, at 12PM EST.

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

The meeting ended at 1:30pm EST (Motion: Eric Second: Steve Vote: Unanimous)..

**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>Absent</b>	Oregon DEQ	<a href="mailto:Boling.Brian@deq.state.or.us">Boling.Brian@deq.state.or.us</a>
Amy Doupe <b>Absent</b>	Lancaster Laboratories, Inc.	717-656-2300 x1812 <a href="mailto:aldoupe@lancasterlabs.com">aldoupe@lancasterlabs.com</a>
Jeff Lowry <b>Absent</b>	ERA	303-431-8454 <a href="mailto:jlowry@eraqc.com">jlowry@eraqc.com</a>
Chuck Wibby <b>Present</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>Present</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. <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	Prepare DRAFT letter to PT Board for approval of the NPW FoPT Table. Send to subcommittee for comment. Forward final table to PT Board.	Carl	11/13/09	Complete

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