

**TNI Chemistry FoPT Subcommittee
Meeting Summary
November 24, 2009**

1. Roll call and Meeting Minutes:

Co-Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on November 24, 2009, at 12pm EST. Attendance is recorded in Attachment A.

The minutes from the November 17, 2009 meeting were distributed and reviewed. Eric motioned to accept the minutes and Stephen seconded this motion. They were unanimously approved. They will be forwarded to the webmaster for posting on the TNI website.

2. PT Acceptance Limits

PAH / Phthalate / Adipate DW Experimental Analytes

PAH

Jeff commented on the voting results for Naphthalene from the last meeting. He was concerned about the different concentration range and limit compared to the other PAHs. Carl commented that the limits were tighter because of the higher concentration range. Jeff feels this should be reconsidered due to the higher failure rate for Naphthalene. Jeff is suggesting that this analyte be looked at again with the intent of consistency with the other PAHs.

Stacie's lab does 525.2 for Naphthalene. 0.2-20 ug/L is her current concentration range for all PAHs.

Jeff motioned to change Naphthalene to a concentration of 1-10 ug/L with a fixed limit of +/- 50% to be consistent with the other PAH analytes. It was seconded by Eric and the subcommittee unanimously approved the motion.

We will be putting headers on these analytes to make it clear which limits should apply to which analytes. This will be addressed when we work on the tables.

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

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

Carbamates - DW Experimental Analytes

Baygon and Methiocarb

The Initial DOC is supposed to be +/- 30% according to the method.

Looking at the data Jeff sent out on 11/20/09, it is suggested that a fixed limit of +/- 20% should be attainable for Baygon. He would prefer more information on how it is actually run in labs. Amy's lab is not running into any issues with the current concentration range.

A motion was made by Jeff for a concentration of 15-100 ug/L and fixed limits of +/- 30% for Baygon and Methiocarb. The motion was seconded by Stephen. The motion was passed unanimously.

Analyte	Concentration	Limits
Baygon	15-100 ug/L	+/- 30% fixed
Methiocarb	15-100 ug/L	+/- 30% fixed

Herbicides – DW Experimental Analytes

Stephen feels each analyte should be looked at individually. Each has unique characteristics.

Dacthal Acid (total)

Dan D. is hesitant to look at it as a fixed limit because it looks like there is a bias. At the high level the bias is negative and it is positive at the low level. Steve reviewed some of his data and it shows that a 50% fixed limit would cover it because it is not a big bias. Jeff had everyone take a look at the actual data (page 5 of 5 – look at mean column.) Stephen asked how much of a bias do you need to see before you don't use fixed limits.

A motion was made by Steve for a concentration range of 10-100 ug/L and fixed limits of +/-50%. The motion was seconded by Jim. Yes - 6 No – 1 Abstention – 0. The motion carried.

Dichlorprop

Stacie commented that once it gets below 20 ug/L, it looks more like +/- 60%.

The information provided by labs showed that most labs are diluting when running the PTs. They are running to get pentachlorophenol and then diluting to get the rest of the analytes.

Jeff pointed out there is minimal bias on this analyte.

A motion was made by Jeff for a concentration range of 20-120 ug/L and limits of +/- 50% fixed. The motion was seconded by Stephen. The vote was unanimous to approve the motion.

Analyte	Concentration	Limits
Dacthal acid (total)	10-100 ug/L	+/- 50% fixed
Dichloroprop	20-100 ug/L	+/- 50% fixed
Chloramben		
3,5-Dichlorobenzoic acid		
Bentazon		
Paraquat		

3. New Items

- Dan Tholan raised an issue that should be considered when the Limit Update SOP is revised in the future:

He was concerned that the requirement for R-Square in the SOP #4-001 (Step 10 in Section 3) can be inappropriate in cases where the SD is constant. The R-Square is a measure of the linear relationship between the SD and the concentration - if the SD is constant (or fairly constant) across the test range, then the R-Square will be close to zero. Therefore when R-Square does not meet the criterion in Step 10, then the committee could consider if a fixed limit is appropriate, but this would be fixed SD, not fixed percentage. If we were to revise the SOP it would be a Note to Section 3, Step 10 or Step 11 - the procedure would not change.

4. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be December 1, 2009, at 12PM EST.

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

The meeting ended at 1:29pm EST (Motion: Stephen Second: Stacie Vote: Unanimous).

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 Present	ERA	303-431-8454 jlowry@eraqc.com
Chuck Wibby Absent	Wibby Environmental	303-940 -0033 cwibby@wibby.com
Eric Smith Present	TestAmerica	615-726-0177 x1238 eric.smith@testamericainc.com
Dan Tholen Present	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		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	

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			