

**TNI Chemistry FoPT Subcommittee
Meeting Summary
January 12, 2010**

1. Roll call and Meeting Minutes:

Co-Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on January 12, 2010, at 12:05pm EST. Attendance is recorded in Attachment A.

The minutes from the January 5th meeting were reviewed for approval. Jeff motioned to accept the minutes and Steve seconded the motion. The motion was unanimously approved and these minutes will be posted to the TNI website.

2. DW FoPT Table

Carl e-mailed a DRAFT cover letter to the subcommittee and received 2 sets of comments – mainly editorial. He will forward the table and letter to the PT Board for review at the January 21st PT Board meeting.

3. PT Acceptance Limits

NPW Analytes

Bromide

A motion was made by Jeff for a concentration range of 1-10 mg/L for Bromide with the newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10. The motion was seconded by Chuck. Discussion included a question from Carl: DW Bromide was recommended as fixed limits – would this be a possibility with NPW? Jeff noted that there were a number of points discarded.

The vote to accept the motion was unanimous.

n-Hexane Materials (O&G) and non-polar Extractable Materials (TPH)

Though this is not on the experimental list – these two are a high priority. Jeff is suggesting that these need to be looked at along with the Experimental Analytes. The subcommittee will defer these until the experimental analytes are complete – they will be looked at before the NPW table is finalized.

Gasoline Range Organics (GRO)

The footnotes in the current experimental table (Effective 7-1-07) should carry over. GRO – Some states start at C5 and others start at C6. The subcommittee plans to stick with C5 for now.

Most of the data is at a concentration range of 370-3800 ug/L. The current concentration range is 200 – 4000 ug/L. The labs were asked what they are normally working with. They see reporting limits of 50 or 100 ug/L. Stacie sees an upper range of 5000 ug/L. Using a new range of 400-4000 ug/L give a PTRL around 55.

A motion was made by Eric for a concentration range of 400 - 4000 ug/L with the newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10 with the current footnotes (experimental NPW table effective 7-1-07). The motion was seconded by Chuck and the motion passed unanimously.

Diesel Range Organics (DRO)

Most of the data is within a concentration range of 900-4000 ug/L. The current concentration range is 500 – 4000 ug/L. Laboratory data shows a reporting limit down to 50 ug/L. Stacie and Eric commented that 50 ug/L is very low. Jeff asked what the labs were more comfortable with – Eric suggested starting at 800 ug/L and commented that it should not be a problem raising the upper end to 6000 ug/L. This will give a PTRL of about 80 ug/L.

Carl liked the current regression equation better than the proposed, but Jeff commented that there wasn't as much data used to generate the current equation.

A motion was made by Jeff for a concentration range of 800 - 6000 ug/L with the newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10 and with the current footnote (NPW Experimental Table effective 7/1/07). The motion was seconded by Stacie and the motion passed unanimously.

Further Discussion: TX-1005 (C6-C35) and FL-PRO (C8-C40)– Carl asked which PT should labs be doing for these methods? According to Chuck Wibby they are currently doing a DRO. Carl asked if the current footnote should be expanded? Dan Dickinson suggested that this is something that should really be added to the FL regulations and not on the FoPT table. The other idea is to ask for a new analyte for the FoPT table.

1,1-Dichlorethane

Carl asked about the possibility of a fixed limit for this analyte. He would recommend +/- 40%. He is fine with going with a regression equation now, but

would like the subcommittee to consider fixed when the other volatile halocarbons are evaluated.

A motion was made by Jeff for a concentration range of 10-150 ug/L with the newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10. The motion was seconded by Stacie and the motion passed unanimously.

cis-1,2-Dichloroethylene

Jeff commented that the new regression equation is a little wider. He suggested a concentration range of 10 – 150 ug/L. It does pass the fixed limit criteria and should be considered down the road for fixed limits.

A motion was made by Eric for a concentration range of 10 - 150 ug/L with the newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10. The motion was seconded by Stacie and the motion passed unanimously.

cis-1,3-Dichloropropene

It does not pass fixed limit criteria – it fails in the b value.

A motion was made by Jeff for a concentration range of 10 - 150 ug/L with the newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10. The motion was seconded by Stephen.

Discussion: Eric commented that the upper range is going to make it tighter than the LCS. It will be 126% instead of 130% at 150 ug/L. Jeff commented that no concentration is going to give you the 130%.

The motion passed unanimously.

2-Hexanone

Passes all criteria. Most of the data is at a concentration between 30 -147 ug/L. Jeff suggested moving to 20-200 ug/L.

A motion was made by Eric for a concentration range of 20 - 200 ug/L with the newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10. The motion was seconded by Steve and the motion passed unanimously.

Methyl tert-butyl ether (MTBE)

Most of the data is at a concentration range between 16-98 ug/L. Passed all criteria. Quite a few data points were removed on the upper end. Passes fixed limit criteria.

A motion was made by Eric for a concentration range of 15 - 150 ug/L with the newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10. The motion was seconded by Stacie and the motion passed unanimously.

2,6-Dichlorophenol

Most of the data is at a concentration range between 35-184 ug/L. Passes all criteria. Jeff also presented the data for 2,4-Dichlorophenol for comparison purposes.

A motion was made by Jeff for a concentration range of 40 - 200 ug/L with the newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10. The motion was seconded by Stephen and the motion passed unanimously.

Summary – NPW FoPT Table

Analyte	FoPT Category	Concentration Range	Acceptance Limits
Bromide	Misc. Analytes	1 – 10 mg/L	Newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10.
n-Hexane Extractable Material (O&G)	Petroleum Hydrocarbons		
non-Polar Extractable Material (TPH)	Petroleum Hydrocarbons		
1,1-Dichloroethane	Volatile Halocarbons	10 – 150 ug/L	Newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10.

Analyte	FoPT Category	Concentration Range	Acceptance Limits
cis-1,2-Dichloroethylene	Volatile Halocarbons	10 – 150 ug/L	Newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10.
cis-1,3-Dichloropropene	Volatile Halocarbons	10 – 150 ug/L	Newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10.
2-Hexanone	Volatile Halocarbons	20 – 200 ug/L	Newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10.
Diesel range organics (DRO)	Petroleum Hydrocarbons	800 – 6000 ug/L	Newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10.

Analyte	FoPT Category	Concentration Range	Acceptance Limits
Gasoline range organics (GRO)	Petroleum Hydrocarbons	400 – 4000 ug/L	Newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10.
Methyl tert-butyl ether (MTBE)	Volatile Halocarbons	15 – 150 ug/L	Newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10.
2,6-Dichlorophenol	Acids	40 – 200 ug/L	Newly derived regression equation with the coefficients presented in the table distributed by Jeff on 1/11/10.

3. New Items

- Eric asked about what the effective date should be for the updated NPW table that included the LL Mercury and LL Total Residual Chlorine analytes. Eric had noted it as 1/4/2010 because this was the date of the NELAP Board vote. Dan Dickinson and Steve expressed some concerns about the timing considering that the providers are supposed to be A2LA accredited. Each of the providers needs to send in paperwork to have this added to their scope.

The conclusion was that the date should remain as 1/4/2010.

- Carl commented that he will still try to prepare a presentation for the Chicago meeting – though he can not be there to present it. He will let Eric know if timing does not allow him to do this.

4. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be January 19, 2010, at 12PM EST.

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

The meeting ended at 1:35 pm EST. (Motion - Steve, Second- Eric. Unanimously approved.)

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 Absent	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		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	
43	Prepare cover letter to go to PT Board with recommendation of the DW FoPT Table. Include discussion on Chloramben.	Carl	1/4/10	Complete
44	Prepare DRAFT presentation for PT Caucus and distribute to subcommittee for comment.	Carl	1/19/09	
46	Re-evaluate experimental volatile halocarbons for fixed limits when the rest of the volatile halocarbons are evaluated for an NPW table update.	All	On-going	

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			