

**TNI Chemistry FoPT Subcommittee  
Meeting Summary  
January 3, 2012**

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on January 3, 2012 at 12:06 EST. Attendance is recorded in Attachment A. There were 8 members on the call.

The minutes from the December 13, 2011 were distributed on December 14, 2011. The date needed to be corrected. The subcommittee decided to wait to approve the minutes.

2. NPW FoPT Tables

The group is still working off of the table that Carl e-mailed on August 10, 2011.

Hexachlorobutadiene and Hexachlorocyclopentadiene

This analyte was looked at during the last meeting. Dan Dickinson had asked for more information about the old  $R^2$  evaluation results. He also asked for the same information for Hexachlorocyclopentadiene. Jeff did look for the file, but the file didn't contain what he was looking for. He contacted ERA and Shawn Kassner is looking into it.

Jeff found a file from April 2004 during the call and was able to provide the following information:

For Hexachlorobutadiene,  $R^2$  value was 0.9046  
For Hexachloropentadiene,  $R^2$  value was 0.9023

Hexachlorobutadiene:

(See 12-13-11 meeting minutes for detail on this analyte.) It is usually lost in the extraction step. This subcommittee has not added it to the table as a volatile. Eric thought it is an Appendix 9 analyte. There was some discussion on whether adding it to the table as a volatile was necessary. There was concern expressed that labs running it as a volatile may not be able to work with the range being discussed. Jeff reminded people that there is no volatile data, so it cannot be added. It is being considered as a base neutral. The new regression equation is a little wider. The old equation was developed with 53 data points and 20% were thrown out. There were only 2 providers considered in the old data and there were more considered in the new equation. Jeff also noted that Texas had an issue before with accepting limits that did not meet the SOP criteria.

A motion was made by Mark to use a concentration limit of 50 – 200 ug/L for Hexachlorobutadiene in the base neutral section of the NPW FoPT accreditation table and retain the current regression equation with the current abcd coefficients. The motion was seconded by Jeff and unanimously approved.

Hexachloropentadiene:

The study concentration was 47.9 - 208 ug/L. It did not pass the Stdev  $R^2$  Eval  $> 0.75$  criteria or the Mean  $R^2$  Eval  $> 0.9$  criteria. This is a problem analyte and there was discussion about dropping it from the table.

A motion was made by Eric to drop Hexachloropentadiene from the NPW FoPT accreditation table. The motion was seconded by Dan D. and unanimously approved.

Diethyl phthalate

The study concentration was 32.2 - 167 ug/L. It did not pass the Stdev  $R^2$  Eval  $> 0.75$  criteria. The current range is 65 – 170 ug/L.

Dan Dickinson e-mailed some information on 12-13-12 regarding this analyte to the subcommittee: *From today's call, it doesn't appear that removing the AV < 50 ug/L helps the COD for SD.*

Dan D. commented that the subcommittee should go ahead and consider using the new equations.

Jeff commented that the data supports a lower limit. Stephen suggested looking at a lower limit of 10% based on the performance of many of the labs. Carl asked Eric what his reporting limit is. Eric stated it is 10 ug/L and a PTRL of 5 ug/L would work. Jeff did find a file from Shawn that provided information on  $R^2$  values that he will share with the committee. The correlation coefficient for this analyte passed in the historical limits, but not now. It was suggested to leave the old regression equation in place. There were originally 58 studies and 19% removed.

A motion was made by Mark to use a concentration limit of 50 – 200 ug/L for Diethyl phthalate on the NPW FoPT accreditation table and retain the current regression equation with the current abcd coefficients. The PTRL will be no lower than 5 ug/L. The motion was seconded by Eric and unanimously approved.

Dimethyl Phthalate

The study concentration was 54.4 - 173 ug/L. It did not pass the Stdev  $R^2$  Eval  $> 0.75$  criteria or the Mean  $R^2$  Eval  $> 0.9$  criteria. Carl would prefer to keep some consistency and lower the limit to 50 ug/L and increase the upper to 200 ug/L. Jeff noted the present equation is 10% across the board. The present range is 100 – 180 ug/L.

Eric noted that he would not want to go below 50 ug/L for spiking.

A motion was made by Jeff to use a concentration limit of 50 – 200 ug/L for Dimethyl Phthalate on the NPW FoPT accreditation table and retain the current regression equation with the current abcd coefficients. The motion was seconded by Mark and unanimously approved.

### 3. Action Items

See action item table in attachments.

### 4. New Business

None.

### 5. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be January 17, 2012, at 12:00 PM EST. There will be no meeting on January 31, 2012.

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

Stephen motioned to adjourn the meeting and Mark seconded the motion. Unanimously approved. The meeting was adjourned at 1:29 pm EST.

## Attachment A

### Participants TNI Chemistry FoPT Subcommittee

Members	Affiliation	Contact Information
Carl Kircher, 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>
Joe Marotti <b>Present</b>	RT Corp	307-721-5485 <a href="mailto:jmorotti@rt-corp.com">jmorotti@rt-corp.com</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>Present</b>	Other	<a href="mailto:lowjc@aol.com">lowjc@aol.com</a>
Mark Mensik <b>Present</b>	Wibby Environmental	303-940 -0033 <a href="mailto:MMensik@wibby.com">MMensik@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>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>
Ilona Taunton, Program Administrator <b>Recording</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	Ongoing	
85	Old R <sup>2</sup> Evaluation results will be looked for and presented at the next meeting.	Jeff	1/3/12	Complete
86	Diethyl Phthalate will be recalculated with out the two lower points.	Dan D.	1/3/12	Complete
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**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	<p>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.</p> <p>2/23/10: Jeff will forward the VOA data. Jeff noted that the data supports the tighter limits. He will provide the information to ELAB and they will decide whether to approach EPA.</p> <p>5/4: Jeff is working with ELAB on this now.</p> <p>7/19: The workgroup is continuing to work on this and should discuss this on the September 2010 call.</p> <p>9/21: No work has been done in ELAB – so this has been delayed a month.</p>
4	Consider nomenclature differences between the analyte codes and the FoPT tables.	2-23-10	
6	From PT Board: South Carolina requested that low level EDB and DBCP (8011) be added to the NPW table.	4-15-10 PT Board Meeting	They were added to the solids table where they were experimental. They were not experimental on the NPW table.
7	Review completed NPW table and look for grouped analytes that behave similarly and look for consistent criteria. Compare results to Drinking Water values too.	11-30-10	

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