

**TNI Chemistry FoPT Subcommittee**  
**Meeting Summary**  
**July 27, 2010**

**1. Roll call and Meeting Minutes:**

Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on July 27, 2010 at 12:06 pm EST. Attendance is recorded in Attachment A. There were 8 members on the call today.

The minutes from the June 20, 2010 were reviewed and will be considered for approval at the next call (August 3, 2010).

**2. Update on DW Table**

Jeff Lowry forwarded DW information to the subcommittee on 7/19/10. Chuck confirmed that the limits being looked at are not going to be an issue with the timing of the NELAP Accreditation Council's implementation of the new TNI Standard. Carl confirmed the issues being looked at are not a Drinking Water issue.

**Organochlorine Pesticides:**

A motion was made by Chuck to update the limits for Endrin on the DW FoPT table to fixed  $\pm$  30% of the assigned value (as per CFR 141.24) and a concentration range of 0.2 – 2.5 ug/L. The motion was seconded by Eric and unanimously approved.

A motion was made by Chuck to update the limits for Heptachlor on the DW FoPT table to fixed  $\pm$  45% of the assigned value (as per CFR 141.24) and a concentration range of 0.2 – 2.5 ug/L. The motion was seconded by Stacie and unanimously approved.

A motion was made by Chuck to update the limits for Heptachlor Epoxide (beta) on the DW FoPT table to fixed  $\pm$  45% of the assigned value (as per CFR 141.24) and a concentration range of 0.2 – 2.5 ug/L. The motion was seconded by Stephen and unanimously approved.

A motion was made by Chuck to update the limits for Lindane on the DW FoPT table to fixed  $\pm$  45% of the assigned value (as per CFR 141.24) and a concentration range of 0.2 – 2.5 ug/L. The motion was seconded by Stephen and unanimously approved.

Methoxychlor Discussion: It is currently 10-100 ug/L and this is what is recommended in the Excel spreadsheet sent out on 7/19/10. Carl's copy of Jeff's recommendation in September 2009 was 1-10 ug/L. Chris noted that 1 ug/L is less than the lab reporting limit noted in the table (10 ug/L). Stacie noted that her reporting limit is 10 ug/L, but they can see down to 0.5 ug/L (this is their low calibration standard). The PTRL would be 0.55

ug/L. Chuck noted that there is no data below 10 ug/L and expressed a concern as to whether the +/-45% still works. Chuck would prefer to check with a few more labs before the limits are reduced to 1-10 ug/L, but he would be OK with 2 -20 ug/L. Carl said the maximum contaminant level is 40 ug/L for this analyte.

A motion was made by Chuck to update the limits for Methoxychlor on the DW FoPT table to fixed  $\pm$  45% of the assigned value (as per CFR 141.24) and a concentration range of 2.0 - 20 ug/L. The motion was seconded by Chris and unanimously approved.

Chlordane (technical) discussion: Jeff previously recommended 2-20 ug/L. There is lots of data that support this range. Stephen asked if this is ever found in the environment? No one in the US is currently making it.

A motion was made by Stephen to leave the current limits for Chlordane (technical) on the DW FoPT table as fixed  $\pm$  45% of the assigned value (as per CFR 141.24) and a concentration range of 2 - 20 ug/L. The motion was seconded by Stacie and unanimously approved.

Toxaphene (total) discussion: Stacie's current reporting limit is 1 ug/L and her lab goes up to 50 ug/L. If the lower concentration is 2 ug/L, the resulting PTRL would be 1.1 ug/L.

A motion was made by Chuck to update the limits for Toxaphene (total) on the DW FoPT table to fixed  $\pm$  45% of the assigned value (as per CFR 141.24) and a concentration range of 2 - 20 ug/L. The motion was seconded by Stephen and unanimously approved.

#### Aldrin

It currently has a regression equation and a concentration range of 0.4 – 2 ug/L. The subcommittee questioned if 0.2 – 2.5 ug/L would work to be consistent with other analytes on the table. There is a low bias on the plot. +/- 40% might work as a fixed limit and +/- 45% would make it more consistent with the other Organochlorine Pesticides. It did not pass the fixed limit test due to the negative bias. All SOP criteria passed.

A motion was made by Stephen to update the limits for Aldrin to the regression equation with the abcd coefficients described in the information provided by Jeff on 7/19/10 and a concentration range of 0.2 – 2.5 ug/L. The motion was seconded by Chris and unanimously approved.

#### Dieldrin

The current PT data does not support lowering the range to 0.2 ug/L. SOP criteria is met. Carl recommended 0.5 – 5 ug/L. The old data looked better graphically. The problem is the d correlation coefficient in the new data. The subcommittee considered keeping the current regression equations. There is a near coluter that is causing the problem, so widening the range would make this worse. The problem analyte is Endrin. Stephen is

concerned that the concentration range for Dieldrin is low. It does not pass the three fixed limit tests. Carl recommended looking at the fixed limits to deal with the issues seen.

A motion was made by Stephen to update the limits for Dieldrin to fixed limit of +/-45% and a concentration range of 0.5 – 5 ug/L. The motion was seconded by Jim and unanimously approved.

### 3. New Items

- None.

### 4. Action Items

- Updates are included in the table.

### 5. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be August 3, 2010, at 12PM EST.

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

The meeting was adjourned at 1:32 pm EST (Motion: Steve. Second: Eric Unanimously approved.)

## 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>
Chris Rucinski <b>Present</b>	RT Corp	<a href="mailto:crucinski@rt-corp.com">crucinski@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>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>		860-665-5531 <a href="mailto:mousejr@nu.com">mousejr@nu.com</a>
Ilona Taunton, Program Administrator <b>Absent</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	
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	
59	Request additional data for compounds being reconsidered.	Carl	4/26/10	2 responses. May 14 <sup>th</sup> due date. Acid extractable Soil PTs. 5/18: Carl has gotten information for 5 of the phenols. Still needs more data. 5/25: Carl will provide additional information to the subcommittee at next mtg.
65	Prepare SCM FoPT table cover page and distribute to subcommittee for comment.	Carl	7/27/10	Resend to Subcommittee (Include list of SCM analytes that don't meet 10/20 rule.)
67				

## 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>
3	Consider changing the lower limit for Vanadium on WP to 50 ug/L.	6-30-09	
4	Consider nomenclature differences between the analyte codes and the FoPT tables.	2-23-10	
5	When updating the SCW FoPT Table, consider the following: Hexachlorobutadiene can be dual-purpose in the sense that laboratories analyze it both as a Volatile Organic (e.g., EPA 8260) and as a Base-Neutral Extractable Organic (e.g., EPA 8270). Pentachlorophenol is dual-purpose since laboratories determine this analyte as both an Acid Extractable Organic (EPA 8270) and as an Herbicide (EPA 8151, thus Pentachlorophenol LL?).	4-20-10	Complete

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.
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