

**TNI Chemistry FoPT Subcommittee
Meeting Summary
November 30, 2010**

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on November 30, 2010 at 12:04 pm EST. Attendance is recorded in Attachment A. There were 7 members on the call today.

The minutes from the November 2nd meeting were reviewed. Eric motioned to accept the minutes. The motion was seconded by Jeff and unanimously approved. They will be forwarded to the TNI webmaster.

2. FoPT Tables

The NPW and SCM FoPT tables were distributed for approval by e-mail. Jeff and Dan Tholan expressed some concerns by e-mail and other members wanted to address the concerns before voting to approve the table. The motion did not pass. (*Additional E-mail votes: Dan – Abstain, Eric – Abstain, Chris – Abstain, Amy – For, Chuck – Abstain.*)

Comments from Jeff Lowry:

SCM FoPT Accreditation Table

- 1) *Volatile Halocarbons*
 - a. *Insufficient data 10/20 rule move to SCM FoPT Experimental Table*
 - i. *4595 Dibromomethane*
 - ii. *4680 cis-1,3-Dichloropropene*
 - iii. *4685 trans-1,3-Dichloropropene*
- 2) *Medium Level Volatile Halocarbons*
 - a. *Insufficient data 10/20 rule move to SCM FoPT Experimental Table*
 - i. *4700 cis-1,2-Dichloroethene*
 - ii. *4680 cis-1,3-Dichloropropene*
 - iii. *4685 trans-1,3-Dichloropropene*
- 3) *Footnote 1) – Delete organophosphorus pesticides and low level nitroaromatics/nitramines in first sentence.*

SCM FoPT Experimental Table

- 1) *Misc. Analytes*
 - a. *Correct TOC lower concentration to 3000 mg/Kg (approved 3/30/2010)*
 - b. *Correct TOC PTRL to 300 mg/Kg*
- 2) *Nitroaromatics/Nitramines*

- a. *Move 6185 2,4-DNT and 6190 2,6,-DNT in alphabetical order after 6160 1,3-DNB*
- b. *Move 5015 Nitrobenzene in alphabetical order after 9522 HMX*
- c. *Consider taking 6415 Tetryl off experimental table (see meeting notes 4/6/2010 and 6/29/2010)*
- 3) *Footnote 3) remove herbicides from last sentence*
- 4) *Footnote 7) add footnote from SCM table effective July 1, 2007 and cross out to show the change*

Information is still needed from Dan Tholan to finalize the NPW Accreditation Table based on his comments. Some time ago the Executive Committee added Footnote 10 based on the criteria document and this change spurred Dan's comment. Carl read the current footnote. When data is received for the database from providers, Dan is getting some estimated means and some made to values – this is causing confusion.

From the table:

c) Design criteria for 5-Day BOD and Carbonaceous BOD – The assigned value used for BOD and CBOD is the known concentration in mg/Liter of Glucose – Glutamic

The subcommittee decided to defer the BOD discussion because it is an accreditation analyte that has not been covered yet.

The subcommittee reviewed the minutes from the November 2nd meeting to confirm the changes discussed at that meeting were changed in the updated tables distributed on November 8th.

Eric motioned that the NPW experimental and accreditation table distributed on November 8th be accepted. No second came forth – this motion was removed from the table.

No one wanted to second the motion because it is not the final product and there is an experimental table that is in limbo. People are hesitant to put forth a table that is not done. Dan Dickinson would prefer to finish up the accreditation analytes and then submit a table to the PT Executive Committee. Jeff noted that it has been a long time since the subcommittee received its original direction from the PT Executive Committee and it has changed quite a bit – effective dates have changed multiple times and there are still experimental table discussions. Jeff would prefer to keep working on the NPW accreditation analytes until everything is worked out between the PT Executive Committee, PT Expert and NELAP AC.

Others on the call agreed that the direction is currently confusing. Stephen added that he would like to see the new standard go in effect in July 2011 and know what tables should be in effect at that time. He would also like to see procedures go into place for adding analytes to the accreditation tables in the future.

Carl checked with the group to see if the group preferred to keep a unified table. Dan added that it still has not been reviewed for all the accreditation analytes – he would prefer this be complete before this table is approved.

Carl will prepare an e-mail to the PT Executive Committee to let them know about the change in the direction – group will not be concentrating on approving tables and will begin work on the accreditation analytes again. Carl will prepare it and send it out for peer review. It will be available for the Dec 16th meeting.

3. Update from PT Executive Committee

Eric talked to Kirstin the other day. No final decisions have been made.

Go ahead and give the experimental table and accreditation table to the PT Executive Committee.

4. NPW FoPT Tables

Continuing on NPW accredited analytes:

gamma-Chlordane

A motion was made by Stephen to update the limits for gamma-Chlordane on the NPW FoPT accreditation table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 10-19-10; pdf file dated 8-16-2010) and a concentration range of 1.0 – 10 ug/L. The motion was seconded by Dan Dickinson and unanimously approved.

Endrin

The present range is 2 – 20 ug/L. The regression equation passes criteria.

A motion was made by Eric to update the limits for Endrin on the NPW FoPT accreditation table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 10-19-10; pdf file dated 8-18-2010) and a concentration range of 2.0 – 20 ug/L. The motion was seconded by Dan Dickinson and unanimously approved.

Endrin Aldehyde

The analytes passes SOP criteria. The study concentration range was 2.51 – 10 ug/L. Endrin ketone was set at 4 - 20 ug/L.

A motion was made by Eric to update the limits for Endrin Aldehyde on the NPW FoPT accreditation table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 10-19-10; pdf file dated 8-18-2010) and a concentration range of 4.0 – 20 ug/L. The motion was seconded by Stephen and unanimously approved.

Dieldrin

The study concentration was about 0.5 – 12 ug/L. Aldrin was approved at 0.5 – 15 ug/L. Stephen would prefer not to go down to 0.5 ug/L.

A motion was made by Eric to update the limits for Dieldrin on the NPW FoPT accreditation table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 10-19-10; pdf file dated 8-17-2010) and a concentration range of 1.0 – 15 ug/L. The motion was seconded by Stephen and unanimously approved.

Heptachlor

Data set was 0.681 to just under 9.85 ug/L.

A motion was made by Eric to update the limits for Heptachlor on the NPW FoPT accreditation table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 10-19-10; pdf file dated 8-18-2010) and a concentration range of 1.0 – 10 ug/L. The motion was seconded by Stephen and unanimously approved.

Heptachlor Epoxide (beta)

The study concentration was 0.55 to 9.8 ug/L. The analyte passes all criteria for regression. It will be a little tighter on the high end with the new regression equation.

A motion was made by Eric to update the limits for Heptachlor Epoxide (beta) on the NPW FoPT accreditation table to the regression equation with the abcd coefficients described in the table provided by Jeff (file dated 10-19-10; pdf file dated 8-18-2010) and a concentration range of 1.0 – 10 ug/L. The motion was seconded by Stephen and unanimously approved.

Additional Discussion:

Jeff asked if Aldrin is more important – it is at 0.5 ug/L at the lower end, while others are higher. He is looking for some consistency in the tables. All the compounds recently looked at in previous meetings behave well and recover well. Jeff would like to review them again when the table is put together - look for grouped compounds that behave similarly and look for consistent criteria. The analytes should also be compared to Drinking Water.

5. New Items

None.

6. Action Items

- Updates are included in the table.

7. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be December 14, 2010, at 12:00 PM EST. The team should be thinking about whether to have a call on December 28th.

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

The meeting was adjourned at 1:34 pm EST (Motion: Stephen Second: Jeff 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 |
| Chris Rucinski Absent | RT Corp | crucinski@rt-corp.com |
| Amy Doupe Present until 1pm | 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 Absent | 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 |
| 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. (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 | |
| 74 | Check with Eric on SC request for low level EDB, DBCP. Send back to PT Executive Committee. | Carl | 10/26/10 | Keep on subcommittee list. |
| 75 | Prepare DRAFT cover letter for NPW and SCM tables. | Carl | 11/16/10 | Complete |
| 76 | Check with PT Executive Committee to find out when they would like the current work on the NPW and SCM tables to be completed. | Carl | 11/16/10 | Hold |
| 77 | E-mail vote to missing members on 11/2/10 call. | Ilona | 11/4/10 | Complete |
| 78 | Write update letter to PT Executive Committee to inform them of subcommittees status. | Carl | 12/13/10 | |

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 | <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> |
| 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 | |
| 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 | 11-30-10 | |

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| | grouped analytes that behave similarly and look for consistent criteria. Compare results to Drinking Water values too. | | |
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