TNI Chemistry FoPT Subcommittee
Meeting Summary
April 6, 2010

1. Roll call and Meeting Minutes:

Co-Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on April 6, 2010 at 12:07pm EST. Attendance is recorded in Attachment A. There were 8 voting members present on the call today. Lance Boynton also joined the call to stand in for Stephen Arpie who is on vacation.

The minutes from the March 30, 2009 meeting were reviewed. A motion was made by Dan Tholen to accept the minutes with the editorial changes recommended by Chuck (e-mailed 4/6/10). The motion was seconded by Chuck and unanimously approved. The minutes will be forwarded to the TNI webmaster for posting.

2. SCW FoPT Update

Boron

Jeff e-mailed information for this analyte on 3/9/10. The study range was 88-143 mg/kg.

Chuck motioned to move Boron to the Accreditation Table with a concentration of 80 – 800 mg/kg. Limits: Study mean +/- 40%. The motion was seconded by Jeff. The motion was unanimously approved by the subcommittee members on the call.

Eric reemphasized that the NELAP Board wants to see that all analytes are technically evaluated. Mean +/- 3 standard deviations can be used as a limit when technically evaluated – they just don't want everything automatically moved over to the accreditation table.

Styrene

Study range was 45 -153 ug/kg. The current range is 40 – 200 ug/kg. Jeff thought it would be good to try to line this up with other low level volatiles that are at 20-200 ug/kg. Dan Tholen expressed some concerns about going lower after looking at the data. The data seems to be biased high. Chuck pointed out that there are other volatiles that are on the Accreditation Table that start at 40 ug/kg.

Eric motioned to move Styrene to the Accreditation Table with a concentration of 40 – 200 ug/kg. Limits: Linear regression equation with the a,b,c & d coefficients as presented in the table distributed by Jeff on March 3, 2010. The motion was seconded by Chuck. The motion was unanimously approved by the subcommittee members on the call.

Isopropylbenzene and Bromobenzene

Jeff pointed out that there is insufficient data to evaluate these analytes. He asked about their importance. They originally came from California. They are not on the WP tables.

Eric motioned that these analytes not be moved to the accreditation table for either low level or mid level concentrations at this time due to insufficient data. The motion was seconded by Chuck. There was no further discussion. The motion was unanimously approved.

Bromomethane, Chloroethane, Chloromethane, Dichlordifluoromethane, Trichlorofluormethane, and Vinyl Chloride

All of these analytes have insufficient data. Looking at the table they all appear to be about 80 – 200 ug/kg. These are all gases. They are on the wastewater table and do need to be kept on the FoPT tables. Mid level 2000 – 10,000 ug/kg.

Jeff motioned to move all low and mid level analytes (Bromomethane, Chloroethane, Chloromethane, Dichlordifluoromethane, Trichlorofluormethane, and Vinyl Chloride) to the Accreditation Table at the concentration and acceptance limits as currently posted on the SCW FoPT Experimental Table (effective July 1, 2007.) The motion was seconded by Eric and unanimously approved.

Low Level DBCP and EDB

The range in the current experimental table is 40 – 200 ug/kg. The current data is 48-123 ug/kg. There is insufficient data – only had 8 studies. They failed the standard deviation correlation coefficient. Carl would like to see if there is additional data available to consider. Jeff said he could look at 2007. These analytes are currently only on the DW table - not WP.

1,1-Dichloroethene

There were 2 data points eliminated – so that left only 9 studies. Carl asked if older data could be included for this analyte. He also asked for more data for cis- and trans-1,2 – dichloroethene and 2-Hexanone. He would like to see both low and medium data.

The data needs to go to Carl so he can mask it and send it to Jeff for incorporation into the limits. Chuck will send additional study data for all the analytes marked in red on the tables.

This finishes volatile organics until more data is received.

Explosives – Low Level Nitroaromatics and Nitramines

The discussion included the following analytes:

2-Amino-4,6-dinitrotoluene
4-Amino-2,6-dinitrotoluene
1,3-Dinitrobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
HMX (Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine)
Nitrobenzene
2-Nitrotoluene
3-Nitrotoluene
4-Nitrotoluene
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)
1,3,5-Trinitrobenzene
2,4,6-Trinitrotoluene

The current range is 1500 to 15000 ug/kg and the limits are the participant mean +/- 50%.

A motion was made by Jeff for a concentration range of 1500 to 15000 ug/kg for the compounds listed above. The limits are +/-50 % around the study mean. The motion was seconded by Eric and unanimously approved.

Tetryl (methyl-2,4,6-trinitrophenylnitramine) has insufficient data. Chuck will provide some data for this analyte so that it can be considered in a future call.

4. New Items

   - None.

5. Action Items

   - Reviewed. See Attachment B.

6. Next Meeting

   The next meeting of the Chemistry FoPT Subcommittee will be April 13, 2010, at 12PM EST.

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

   The meeting ended at 1:23 pm EST. (Motion – Jim, Second- Dan T. 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-Chai **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 **Present**	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 **Lance was 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 **Absent**		860-947-2121 mousejr@nu.com
Ilona Taunton, Program Administrator **Present (left 1:22 pm)**	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 – It was determined that these tables are used by more than just ABs. This needs to be reconsidered.)*	TBD	TBD	
22.	Prepare for upcoming meetings by reviewing evaluation files that Jeff will send every 2 weeks.	All	Ongoing	
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	
57	Review March 9th minutes and provide additional information requested in red.	Jeff All	3/30/10	Complete
58	Review limits and concentrations for experimental analytes that have been been updated by the subcommittee on the SCW FoPT table. Provide any recommended changes. Support reasons for the changes in writing to the subcommittee.	Stephen	3/26/10	Complete
59	Provide additional data for many of the volatile organics and one explosive where there is insufficient data. Carl will mask data.	Chuck Carl	4/14/10	

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	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. 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.
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			