TNI Chemistry FoPT Subcommittee
Meeting Summary
May 25, 2010

1. Roll call and Meeting Minutes:

   Co-Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on May 25, 2010 at 12:05 pm EST. Attendance is recorded in Attachment A. There were 8 voting members present on the call today.

   The minutes from the May 18th meeting were reviewed. A motion was made by Dan Dickinson to accept the minutes. The motion was seconded by Steve and unanimously approved. The minutes will be forwarded to the TNI webmaster for posting.

2. SCM FoPT Update

   1,2-Dichloropropane – Mid Level

   The study concentration range was between1500 – 9000 ug/kg. All criteria passed – including fixed limits. Suggested fixed limits were about +/- 20%. The graph looks a little wider than this at the bottom end.

   A motion was made by Dan Dickinson to add 1,2-Dichloropropane to the Accreditation table with a concentration range of 2000 – 10000 ug/kg and limits based on the regression equation presented in the May 3rd table prepared by Jeff Lowry. There was no second made to the motion.

   The group looked at possible fixed limits - +/- 30% or +/- 40%.

   A motion was made by Dan Tholan to add 1,2-Dichloropropane to the accreditation table with a concentration range of 2000 – 10000 ug/kg and fixed limits of +/- 30%. The motion was seconded by Stephen Arpie.

   Discussion: Dan Dickinson commented that these limits did not make sense because the data showed a fix limit of approximately 20%. It was pointed out that at 2000 ug/kg the limits are closer to 77 – 128%. The aim of the SOP is to work with fixed limits if the data supports them. Stephen noted that the data being looked at is not a 100% representation of what is going on. If all the data were included it would make sense to use the regression, but not all the data across the country is included in our calculations. Carl supported +/- 30% because he would also like to see some consistency within the chemical class.

   Vote: Approve: 6 Disapprove: 1 Abstain: 1 The motion passed. Stacie noted that her lab will be fine with the limits.

2-Hexanone – Mid Level

There is quite a bit of additional data. The study concentration was between 3000 to a little under 20000 ug/kg. It passes all criteria. Passes fixed limit criteria at about +/- 50%. Jeff felt the lower level should be dropped from the current 8000 ug/kg. It widens out down below 5000 ug/kg. There is more scatter than see with most of the other analytes.

Carl suggested looking at +/- 50% to be consistent – starting at 4000 ug/kg. Dan Dickinson felt the data was completely different – far more scatter and data outside of the limits. Stephen questioned when a PT become meaningless – how wide can the limits be placed.

Jeff made a motion to add 2-Hexanone – Mid Level to the accreditation table at a concentration of 4000 – 20000 ug/kg with fixed limits of +-50%. The motion was seconded by Dan Tholan.

Discussion:
Chuck asked about regression. Jeff noted it passed the fixed limit criteria.

Vote: Approve: 7 Disapprove: 1 Abstain: 0 The motion passed.

2–Hexanone – Low Level

The data concentration range was about 58-400 ug/kg. It passed "n", but did not pass r squared for standard deviation. Jeff emailed a file with additional data. There are quite a few data points outside of the suggested regression. There were a few data points causing severe convergence – see page 4 of the file.

Dan asked if all the providers make the PT the same way. As far as Jeff is aware they do.

The range looks like 45-145% at 80 ug/kg. The lower concentration PTs all came from the same provider and they did not have any at the upper end. ERA puts them in with the other volatiles. Stephen and Chuck do the same.

Jeff motioned to move 2-Hexanone Low Level to the accreditation table with a concentration of 80 – 400 ug/kg. Limits: Linear regression equation with the a,b,c & d coefficients as presented in the evaluation table distributed by Jeff on May 3, 2010. The motion was seconded by Stephen and was unanimously approved.

MTBE – Mid Level

The data range was about 2200 – 9600 ug/kg. It failed the standard deviation r-squared test, passed fixed limits at +/- 30%. Carl would prefer fixed limits based on the failure. Stacie noted that +/- 30% would work for her laboratory.

A motion was made by Dan Tholan to move MTBE Mid Level to the accreditiation table with a fixed limit of +/-30% at a concentration of 2000-10000 ug/kg. The motion was seconded by Stacie and unanimously approved.

Hexachlorobutadiene – Mid Level

The study data is between 3000 – 9700 ug/kg. It does not pass fixed limit criteria, but does pass other criteria. This is a cross-over or dual purpose analyte. It is not currently on the table for Mid Level Volatiles – only for Semi-volatile.

The regression equation would give limits of 70-154% at 2000 ug/kg and at 10000 the limits would be 60-144%.

(Side note: It was asked if it was appropriate to look at this analyte because it is not presently an experimental analyte. Pentachlorophenol was added as a dual purpose analyte, so the team is OK with taking this analyte under consideration.)

The data Jeff presented is from volatile data – not semi-volatile. There is insufficient data for a Low Level Hexachlorobutadiene – so this would be the PT that a lab would have to do. Stacie was not sure what her thoughts were on this. She would have to buy a Low Level PT for everything else and then buy an additional Mid Level PT just to get this analyte.

Jeff agreed that there should be matching Low Level and Mid Level analytes. Dan Dickinson commented: In New York, if there is no PT for the volatile – they would look at data on-site and decide whether to add it without requiring the lab to run a semi-volatile PT as a volatile PT.

Jeff suggested that this question be raised to the PT Board. What should be done with analytes where there is only data for one concentration level instead of two? Carl will put this request in writing to the PT Board. This analyte will be reviewed after a response is received from the PT Board.

1,3-Dichlorobenzene
1,4-Dichlorobenzene

These two analytes are on the accreditation table with limits of +/- 3 standard deviations and a concentration level of 1500-15,000 ug/kg.

For 1,3-Dichlorobenzene, there were 9 data points after the outliers were removed. Putting the outliers back in did not really change anything. All criteria were met. Both analytes passed fixed limits at around +/- 98%.

Jeff made a motion to leave 1,3-Dichlorobenzene and 1,4-Dichlorobenzene on the accreditation table at a concentration of 1500 – 15000 ug/kg and change the limits to the

regression equation (c & d coefficients as calculated) as presented on the May 3rd table. The motion was seconded by Dan Tholan and unanimously approved.

2-Methylnaphthalene

This discussion will be saved for the next meeting.

3. New Items

Jeff asked about the data Carl requested from the PT providers that was due the 14th. He has received data from only 2 providers, but what he has seen makes him more comfortable with 4-Methylphenol. The other 4 phenols are still a concern. The other 4 have recovery issues. He will follow-up on this request with the other providers and put something together for the next call.

The next scheduled call is June 1st. Carl asked if people will be available due to the holiday? Stacie and Stephen will be gone. The call will be attempted if enough people are available

Chris from RTI would like to join the subcommittee. Information for upcoming meetings will be forwarded to Chris.

4. Action Items

- Updates were made to the action table.

6. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be June 1, 2010, at 12PM EST. *(Added Note: Meeting was canceled and scheduled for June 8, 2010.)*

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

The meeting was adjourned at 1:33pmEST (Motion: Dan D. Second: Jim 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 **Absent**	Lancaster Laboratories, Inc.	717-656-2300 x1812 aldoupe@lancasterlabs.com
Jeff Lowry **Preseny**	ERA	303-431-8454 jlowry@eraqc.com
Chuck Wibby **Present**	Wibby Environmental	303-940 -0033 cwibby@wibby.com
Eric Smith **Absent**	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 **Absent**	E.S. BABCOCK & Sons, Inc.	951-653-3351 x238 sfry@babcocklabs.com
Jim **Present**		860-665-5531 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. *(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	
59	Request additional data for compounds being reconsidered.	Carl	4/26/10	2 responses. May 14th 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.
60	Provide mid-level data for 2-Hexanone.	Jeff	5/11/10	Complete
62	Reconsider concentration range for DBCP Low Level.	All	6/1/10	
63	Discuss the Hexachlorobutadiene issue with the PT Board. Send request.	Carl	6/8/10	

	Action Item	Who	Expected Completion	Actual Completion
64				

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. 5/4: Jeff is working with ELAB on this now.
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	
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	
