

**TNI Chemistry FoPT Subcommittee
Meeting Summary
October 6, 2009**

1. Roll call and Meeting Minutes:

Co-Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on October 6, 2009, at 12:08pm EST. Attendance is recorded in Attachment A.

The minutes from the September 22, 2009 meeting were reviewed. A motion was made to accept the minutes by Stephen and it was seconded by Jeff. The minutes were approved and will be provided to the webmaster for posting.

2. Letter to NELAP Board

Eric Smith was invited to the NELAP Board meeting yesterday. The NELAP Board proposed that the Experimental Tables be moved off the website immediately and then the PT Board could move analytes on the FoPT tables as data becomes available and can be analyzed. This would eliminate the issue of whether states do or do not have to require experimental PTs. Brian is planning to attend the LASC meeting on Friday to see what issues would arise for labs if these tables would be eliminated now. The NELAP Board is unwilling to simply move the experimental analytes over with a mean ± 2 or 3 standard deviation limit. They want to see each analyte evaluated.

Brian commented that Oregon would have an issue with eliminating Low Level PAH. They would like to see these moved over to the FoPT tables before the experimental tables are dropped as suggested by the NELAP Board.

The subcommittee discussed using the next meeting to go through the experimental analytes where there is plenty of data and separate them from the ones where we know there is not adequate data. This might enable the subcommittee to get accreditation tables to the PT Board with these additions by mid November. The tables should also be in the new order as previously discussed.

Carl commented that the deadline in mid November was originally based on the July 2010 goal for the implementation of the new TNI standard. Brian noted that the NELAP Board would like to see the experimental analytes dealt with sooner than at the time of implementation of the new standard. This is why they would like to see them pulled off the website ASAP. This works for the states, but they still need to check with the labs.

PT Providers are already making standards for 2010. They need a minimum of 6 months to make this type of change. This gets us to an effective date of July 1, 2010 if we finish it by mid November.

Jeff noted that if we move over as many Experimental PTs as easily possible, we are still probably looking at December for completing this effort. Brian thinks the July 1st timing would be acceptable to the NELAP Board. Carl suggested working on it in the following order: DW, Non-potable, Solids.

There were a few PT Providers on the call. Chuck, Jeff and Stephen are willing to implement July 1, 2009 if we can have this done in December. The PT Board needs to let the other PT Providers know what is going on so they have a heads-up and can plan on the July 1st date.

Jeff questioned whether Brian needs to go to LASC if we are planning on a July 1st target instead of immediately. He will talk to Aaren to confirm that this is no longer needed.

3. Recommended Acceptance Limits on Volatile DW – Sept 22nd.

Carl had forwarded recommended limits to the subcommittee on September 22, 2009. Eric made the following motion via e-mail:

- 1) In the cases where you've recommended 40% but suggested 35% is a possibility, I prefer your recommendation of 40%.*
- 2) I would like to ask that tert-Butyl Alcohol and Freon 113 both be decoupled from the mass approval and considered separately.*
- 3) For tert-Butyl Alcohol - I would like to ask if it would be possible to raise the spiking concentration range from the current 5 to 50 ug/l to a suggested 10 to 100 ug/l. This is a somewhat more realistic PT range for that problematic analyte in my estimation.*
- 3) If we could remove tert-Butyl Alcohol from the PT tables all together, that would be great. It has a tendency to be somewhat more of a poor performer. I would ask if we might consider possibly proposing elimination of this analyte to the PT Board and NELAP Board.*
- 4) If we must keep tert-Butyl Alcohol, I would be in favor of using the linear regression equations with recommended coefficients.*
- 5) For Freon 113, my preference would be to use the linear regression equations with recommended coefficients, but 40% should be achievable if that is preferred.*

6) *With the exception of tert-Butyl Alcohol and Freon 113 (which I would request be decoupled from the mass approval), I am in favor of all of Carl's other recommendations as described in the email below. I make a motion to that effect, if needed, and please count my vote in favor of the recommendations.*

Stephen also sent comments:

All,

TAME is important to CA as it is one of their oxygenates. And as many of you know, this analyte is fine if it is done by heated purge to drive it out of the water matrix. Increasing the formulation range (10 to 100 ug/l) should help labs come closer to the true gravimetric value. The suggested 40% range acceptance range should be fine.

Carl asked Jeff if he felt anymore analytes should be decoupled from the vote based on discussion of the points raised above. Jeff's concern is that we stay consistent.

For example:

Currently on the table, Benzene is +/- 40% at < 10ppb and +/- 20% at \geq to 10ppb. TAME is set at +/- 40%. Carl is suggesting +/- 30%. Chuck and Jeff are suggesting that it be made consistent with what is already there. If we go with what Carl suggested, we need to go back to some that we have already gone through to keep things consistent.

Jeff would like to alter Eric's motion – +/- 40% < 10ppb, +/- 30% \geq to 10 ppb for the di and tri-halogenated hydrocarbons (see table below.)

Jeff is looking for consistency in di- and tri-halogenated hydrocarbons. Should they all be 5-50 ppb or 2-20 ppb concentration ranges? Steve prefers to see 2-20ppb – this is more consistent with the lab calibration curves. Labs on the call have used 0.5-100 ppb. Steve feels the table needs to be normalized.

The final suggestion was to leave regulated di and tri halogenated at the CFR limits (as they are) and for unregulated di and tri halogenated +/- 40% <10 ppb and +/- 30% \geq 10 ppb and a concentration range of 2-20 ppb. (There was a comment that trans-1,3-Dichloropropene should probably be at 5-50 ppb based on the graphs, but it was decided that given the range of the limits it should be OK at 2-20 ppb.)

There was no second to Eric's motion and a new motion was made by Stephen and seconded by Jim. The motion was to approve the following limits:

Analyte Name	FoPT Category	Matrix	Grouping	Method Ref	Suggested NELAC Lower Conc.	Suggested NELAC Upper Conc.	Units	Review Comment
Dichloromethane (Methylene Chloride)	Regulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 20% ≥ 10 ppb CFR 141.24
Dibromomethane	Unregulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 30% ≥ 10 ppb
Bromochloromethane	Unregulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 30% ≥ 10 ppb
1,2-Dichloroethane	Regulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 20% ≥ 10 ppb CFR 141.24
1,1-Dichloroethane	Unregulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 30% ≥ 10 ppb
1,1-Dichloroethylene	Regulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 20% ≥ 10 ppb CFR 141.24
Cis-1,2-Dichloroethylene	Regulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 20% ≥ 10 ppb CFR 141.24
Trans-1,2-Dichloroethylene	Regulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 20% ≥ 10 ppb CFR 141.24

Analyte Name	FoPT Category	Matrix	Grouping	Method Ref	Suggested NELAC Lower Conc.	Suggested NELAC Upper Conc.	Units	Review Comment
1,2-Dichloropropane	Regulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 20% ≥ 10 ppb CFR 141.24
1,3-Dichloropropane	Unregulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 30% ≥ 10 ppb
2,2-Dichloropropane	Unregulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 30% ≥ 10 ppb
1,1-Dichloropropene	Unregulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 30% ≥ 10 ppb
Cis-1,3-Dichloropropene	Unregulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 30% ≥ 10 ppb
Trans-1,3-Dichloropropene	Unregulated Volatiles	Water	Dihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 30% ≥ 10 ppb
Bromodichloromethane	Organic Disinfection By-Products	Water	Trihalogenated HC	EPA 524.2	5	50	µg/L	Fixed ± 20% CFR 141.131
Bromoform	Organic Disinfection By-Products	Water	Trihalogenated HC	EPA 524.2	5	50	µg/L	Fixed ± 20% CFR 141.131
Chlorodibromomethane	Organic Disinfection By-Products	Water	Trihalogenated HC	EPA 524.2	5	50	µg/L	Fixed ± 20% CFR 141.131
Chloroform	Organic Disinfection By-Products	Water	Trihalogenated HC	EPA 524.2	5	50	µg/L	Fixed ± 20% CFR 141.131

Analyte Name	FoPT Category	Matrix	Grouping	Method Ref	Suggested NELAC Lower Conc.	Suggested NELAC Upper Conc.	Units	Review Comment
1,1,1-Trichloroethane	Regulated Volatiles	Water	Trihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 20% ≥ 10 ppb CFR 141.24
1,1,2-Trichloroethane	Regulated Volatiles	Water	Trihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 20% ≥ 10 ppb CFR 141.24
Trichloroethylene	Regulated Volatiles	Water	Trihalogenated HC	EPA 524.2	2	20	µg/L	Fixed ± 40% < 10 ppb ± 20% ≥ 10 ppb CFR 141.24

The motion was unanimously approved (Eric, Dan and Chuck were missing. Brian had a proxy vote.)

Trihalomethanes (THMs)

They are currently at a 10-50 ppb concentration range. Carl would prefer 5-50 ppb. The detection limit is 0.5 ppb. There is nothing we can do about the limit, but we can look at the concentration range. Amy and Stacie looked at the ranges in their labs. Steve is OK with 5-50ppb.

A motion was made by Steve to approve Trihalomethanes with a concentration of 5-50ppm and fixed CFR limits of +/- 20%. This was seconded by Stacie and unanimously approved.

Freon 113 and tert-Butyl Alcohol

Freon 113 and tert-Butyl Alcohol from Eric's concerns will need to be addressed at the next meeting.

4. Meeting Dates

Carl suggested that the group needs to consider weekly conference calls in order to meet a December deadline. It was decided that the next call will be in two weeks, but that calls after that will be weekly.

5. New Items

None.

6. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be October 20, 2009, at 12PM EST.

A motion to adjourn the meeting was made by Steve and seconded by Carl. The meeting was adjourned at 1:45 pm EST.

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

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-Chair Present for first discussion.	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 (needed to leave early.)	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 Absent	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 Present		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 – <i>It was determined that these tables are used by more than just ABs. This needs to be reconsidered.</i>)	TBD	TBD	
19.	Request the final revision of the SOP #4-001 Guidelines for Calculation of Acceptance Limits from the TNI PT Board.	Eric/Carl	5/5/09	PT Board is reviewing it for finalization by next mtg.
22.	Prepare for upcoming meetings by reviewing evaluation files that Jeff will send every 2 weeks.	All	Ongoing	
26.	Carl will distribute the list of potential problem analytes for the group to review and comment on. What should be removed from the table and a reason for why it should be removed. Ilona will compile any comments received.	Carl Ilona	9/22/09	No comments were received. Will postpone to next meeting.
31	Establish suggested DW VOA limits for Subcommittee to review and comment on via e-mail.	Carl	9/29/09	Completed.
32	PT Board needs to let the other PT Providers know what is going on so they have a heads-up and can plan on the July 1 st date.	Carl will talk to Eric.	Prior to PT Board call.	Completed.
33	Distribute tables to subcommittee so that it is clear what was approved during voting at the 10/6/09 meeting.	Jeff	10/6/09	Completed.

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.
3	Consider changing the lower limit for Vanadium on WP to 50 ug/L.	6-30-09	
4			
5			