

TNI Chemistry FoPT Subcommittee
Meeting Summary
February 25, 2014

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the meeting of the Chemistry FoPT Subcommittee to order on February 25, 2014 at 12:07 EST. Attendance is recorded in Attachment A. There were 7 members on the call.

The meeting minutes for the January 14th and February 11th meetings were reviewed. The February meeting minutes need to have the meeting date updated. Andy motioned to accept both meeting minutes with the corrected date. Stacey seconded the motion and they were unanimously approved.

2. FoPT Analyte Addition Application

The data from the providers was in different formats, so Carl is going through the data and putting it into the Excel format that he uses to do calculations. The data being provided is mainly drinking water - this is not an issue because the matrix is the same. The concern is the concentration.

3. SCM FoPT Table

1,1,1-Trichlorethane

The study concentration was 1520 - 9670 ug/Kg. It did pass the SOP criteria. The current lower limit is 1000 ug/Kg. It did not pass the fixed limit tests as per the SOP criteria (failed b and d coefficient). The PDF is dated 2-9-14. The data looks similar to the previous limits. Carl would recommend staying with the same concentration limit. If a fixed limit is considered – it should be above 30%. Andy noted that his limits are 67-131% for 400 data points. Andy is concerned about the new regression equation because the limits will be tighter than his existing lab limits. He would prefer a fixed limit of +/- 40%.

A motion was made by Andy to leave a concentration limit of 1000 - 10000 ug/Kg for 1,1,1-Trichloroethane on the SCM FoPT accreditation table using a fixed limit of +/- 40% across the range for the analyte relative to the assigned value. The motion was seconded by Stephen and unanimously passed.

1,1,2-Thrichloroethane

The study concentration was 1380 - 9990 ug/Kg. It did pass the SOP criteria. The current lower limit is 1000 ug/Kg. It did not pass the fixed limit tests as per the SOP criteria (failed

the b coefficient). The PDF is dated 2-9-14. The plot does look like a fixed limit could be considered. The regression equation looks like it will be tight compared to many lab acceptance limits. Carl thought a fixed limit of +/- 35% would be reasonable and that the current concentration range was also reasonable. Andy's lab limits are 71-117%. Andy would prefer a fixed limit to keep the limits from getting too tight for the labs.

A motion was made by Andy to leave a concentration limit of 1000 - 10000 ug/Kg for 1,1,2-Trichloroethane on the SCM FoPT accreditation table using a fixed limit of +/- 35% across the range for the analyte relative to the assigned value. The motion was seconded by Stacey and the motion passed unanimously.

Trichloroethene

The study concentration was 3720 - 9240 ug/Kg. It did not pass all SOP criteria. It failed the Study R² Eval > 0.75. The current lower limit is 1000 ug/Kg. It did not pass the fixed limit tests as per the SOP criteria (failed b and d coefficients). The PDF is dated 2-4-14. Carl noted that if a fixed limit were considered it would need to be +/-45% to be safe at the lower concentration. Andy's limits are 70-130%. He is concerned that there is no data at the lower end of the range. Carl commented that if the regression equation is used, it would extrapolate to 64-149% at 1000 ug/Kg. Using fixed limits would make things a little tighter closer to 1000 ug/kg, but it would benefit the labs at the upper end.

A motion was made by Andy to leave a concentration limit of 1,000 – 10,000 ug/Kg for Trichloroethene on the SCM FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Carl by on 2-4-14. The motion was seconded by Stacey.

Discussion: Carl noted that 1,2-Dichloroethane used the regression equation as opposed to a fix limit. We are not doing anything unique.

The motion was unanimously passed.

Methylene Chloride will be discussed at the next meeting. Carl did not receive the additional data yet.

Carl reviewed the completed and upcoming analytes for review. The committee will receive new PDFs before the next meeting.

4. Action Items

See action item table in attachments.

5. New Business

- None.

6. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be scheduled for March 11th. Carl and Dan should have more data available for review.

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

The call was ended at 1:05pm EST. Motion: Stephen Second: Stacey Unanimously approved.

Attachment A

Participants TNI Chemistry FoPT Subcommittee

Members	Affiliation	Contact Information
Carl Kircher, Chair Present	Florida DOH	carl_kircher@doh.state.fl.us
Joe Morotti Present -late	Sigma-Aldrich RTC	Joe.morotti@sial.com
Melanie Ollila Absent	Pace Analytical Services, Inc.	MOLlila@pacelabs.com
Jeff Lowry Absent	Phenova	JeffL@phenova.com
Stephen Arpie Present	Absolute Standards, Inc.	stephenarpie@mac.com
Dan Dickinson Absent	New York, DOH	dmd15@health.state.ny.us
Stacey Fry Present	E.S. BABCOCK & Sons, Inc.	sfry@babcocklabs.com
Joe Pardue Present	Pro2Serve, Inc.	423-337-3121 joe_pardue@charter.net
Dr. Andy Valkenburg Present	Energy Laboratories, Inc.	avalkenburg@energylab.com 406-869-6254
Ilona Taunton, Program Administrator Present	TNI	Ilona.taunton@nelac-institute.org 828-712-9242

Attachment B

Action Items – Chemistry FoPT Subcommittee

	Action Item	Who	Expected Completion	Actual Completion
102	Data work-up when it comes in for analyte additions.	Carl	tbd	In Progress
104	Re-evaluate Methylene Chloride with additional data Jeff will provide.	Carl	2/25/14	

Attachment C

Backburner / Reminders – Chemistry FoPT Subcommittee

	Item	Meeting Reference	Comments
4	Consider nomenclature differences between the analyte codes and the FoPT tables.	2-23-10	
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