

TNI Chemistry FoPT Subcommittee
Meeting Summary
November 5, 2013

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the meeting of the Chemistry FoPT Subcommittee to order on November 5, 2013 at 12:06 EST. Attendance is recorded in Attachment A. There were 6 members on the call and a visitor (Steve Arms, FL DOH).

A motion was made by Dan to accept the October 22, 2013 minutes. The motion was seconded by Joe P. and unanimously approved.

2. SCM FoPT Table

MTBE

The study concentration was 22.2 - 267 ug/Kg. It passed the SOP criteria. The current lower limit is 20 ug/Kg. It did pass the fixed limit tests as per the SOP criteria at 41.1%. The PDF is dated June 6, 2011. Carl would recommend a fixed limit of 40 or 45%.

A motion was made by Dan to use a concentration limit of 20 - 200 ug/Kg for MTBE on the SCM FoPT accreditation table and using a fixed limit of +/- 40% across the range for the analyte relative to the assigned value. The motion was seconded by Joe P. The motion passed unanimously.

4-Methyl-2-Pentanone (MIBK)

The study concentration was 45 - 381 ug/Kg. It passed the SOP criteria. The current lower limit is 80 ug/Kg. It did pass the fixed limit tests as per the SOP criteria at 47.6%. The PDF is dated June 6, 2011. If a fixed limit were used, he would look at +/- 45 or 50%. Dan would prefer to see a lower limit of 100 ug/Kg if a fixed limit is used. This takes care of the note on the PDF about a few influential points. Stephen noted that the PT Providers do not design the PTs similarly. This compound is included in different mixes that influence its performance.

Stephen noted that increasing the range of this analyte could impact calibration ranges that are already in place. Stacey noted that their range goes to 4000 ug/Kg. Her QC range is 50-150%.

A motion was made by Dan to use a concentration limit of 100 - 500 ug/Kg for MIBK on the SCM FoPT accreditation table and using a fixed limit of +/- 50% across the range for the analyte relative to the assigned value. The motion was seconded by Joe P. The motion passed unanimously.

2-Hexanone

The study concentration was 57.5 - 382 ug/Kg. It passed the SOP criteria. The current lower limit is 80 ug/Kg. It did not pass the fixed limit tests as per the SOP criteria (failed b coefficient). The PDF is dated June 6, 2011. Carl would like the range expanded to 50-500 ug/Kg. If fixed limits were considered, he would prefer to see +/- 50%. Dan would prefer to see the concentration range start at 100 ug/Kg. Andy usually sees QC limits of 50-130% in his lab. Stacey's limits are 50-150%. Stacey also noted that it is not usually in her Spike mix.

Carl found that when this analyte was reviewed at mid-level, the recommendation was 50-150%.

A motion was made by Dan to use a concentration limit of 100 - 500 ug/Kg for 2-Hexanone on the SCM FoPT accreditation table and using a fixed limit of +/- 50% across the range for the analyte relative to the assigned value. The motion was seconded by Andy and unanimously passed.

2-Butanone (Methy ethyl ketone)

The study concentration was 59.2 - 387 ug/Kg. It passed the SOP criteria. The current lower limit is 100 ug/Kg. It did not pass the fixed limit tests as per the SOP criteria (failed a, b and d coefficients). The PDF is dated June 6, 2011. Carl would prefer to use the regression equation. Andy's calculated limit is 50 - 143%. Dan noted the regression equation and limits are similar to the current values and the committee could consider leaving them in place.

A motion was made by Dan to leave the current concentration range and regression equations for 2-Butanone in place. The motion was seconded by Andy and unanimously passed.

These were the last of the fields of proficiency testing available for review at this time. Carl will contact Jeff to get the table and information he volunteered to provide. Dan volunteered to work on the calculations with Carl.

3. Action Items

See action item table in attachments.

4. New Business

- None.

5. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be scheduled by e-mail. (*Update: Next meeting was 12/17/13.*)

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

Dan motioned to adjourn the meeting and Andy seconded the motion. Unanimously approved. The meeting was adjourned at 12:54 pm EST.

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 Absent	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 Present	New York, DOH	dmd15@health.state.ny.us
Stacey Fry Present	E.S. BABCOCK & Sons, Inc.	sfry@babcocklabs.com
Joe Pardue (2011) Present	Pro2Serve, Inc.	423-337-3121 joe_pardue@charter.net
Dr. Andy Valkenburg (2011) Present at 12:30pm	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
101	Prepare data and calculations for next range of analytes.	Carl Dan	12-2-13	

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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