

**TNI Chemistry FoPT Subcommittee**  
**Meeting Summary**  
**May 14, 2013**

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the meeting of the Chemistry FoPT Subcommittee to order on May 14, 2013 at noon EST. Attendance is recorded in Attachment A. There were 4 members on the call.

The April 30, 2013 minutes will be reviewed at the next meeting.

2. SCM FoPT Table

Note: FoPT recommendations for the SCM FoPTs are fit for use despite any statement about a departure from the SOP. The SOP makes allowances for departures (Sections 2.5, 2.7, 2.8, 2.9 and 2.15).

Trichloroethene

The study concentration was 43.7 - 185 ug/Kg. It did pass all the SOP criteria. The current lower limit is 20 ug/Kg. It failed one of the fixed limit tests. PDF is dated June 3, 2011. The current concentration range is 20 – 200 ug/Kg.

A motion was made by Dan to use a concentration limit of 20 - 200 ug/Kg for Trichloroethene on the SCM FoPT accreditation table and using a fixed limit of +/- 40% across the range for this analyte relative to the assigned value. This is a departure from the SOP since it did not pass all the fixed limit criteria. The motion was seconded by Stephen and unanimously approved.

1,1,1-Trichloroethane

The study concentration was 30.1 - 193 ug/Kg. It passed the SOP criteria. The current lower limit is 20 ug/Kg. It did not pass one the fixed limit tests (for d coefficient) as per the SOP criteria. The PDF for this analyte is dated 6/3/2011. Though it has not passed all the fixed limit criteria, it does appear that fixed limits have been set for similar analytes. If fixed limits were considered, Carl would recommend +/- 45 or 50%.

A motion was made by Dan to use a concentration limit of 20 - 200 ug/Kg for 1,1,1-Trichloroethane on the SCM FoPT accreditation table and using a fixed limit of +/- 45% across the range for this analyte relative to the assigned value. This is a departure from the SOP since it did not pass all the fixed limit criteria. The motion was seconded by Stacey and unanimously approved.

### 1,1,2-Trichloroethane

The study concentration was 28.4 - 184 ug/Kg. It passed the SOP criteria. The current lower limit is 20 ug/Kg. It did not pass the fixed limit tests as per the SOP criteria (missed on d coefficient). If fixed values are being considered, Carl would suggest 35 or 40%. It could also be +/- 45% to be consistent. The PDF is dated June 3, 2011.

A motion was made by Dan to use a concentration limit of 20 - 200 ug/Kg for 1,1,2-Trichloroethane on the SCM FoPT accreditation table and using a fixed limit of +/- 30% across the range for this analyte relative to the assigned value. This is a departure from the SOP since it did not pass all the fixed limit criteria. The motion was seconded by Stacey.

Discussion: Carl noted that the subcommittee has not approved anything as tight as +/- 30%. Dan reviewed his data and he is seeing strong support for 30%. Stephen showed the same thing. They are both showing very good passing percentages at 24-27%.

Vote: Unanimously approved.

### 1,2,3-Trichloropropane (additional data)

The study concentration was 26 - 184 ug/Kg. It passed the SOP criteria. The current lower limit is 40 ug/Kg. It did not pass all the fixed limit tests as per the SOP criteria – only passed one of the three. PDF file dated June 3, 2011. If fixed limits are considered, Carl and Dan would suggest +/- 50%. The new data may support a lowering of the concentration limit to 20 ug/Kg. There are other similar analytes that have already been approved at 40 – 200 ug/Kg. Stephen's data supports +/- 50%.

A motion was made by Stephen to use a concentration limit of 20 - 200 ug/Kg for 1,2,3-Trichloropropane on the SCM FoPT accreditation table and using a fixed limit of +/- 50% across the range for this analyte relative to the assigned value. This is a departure from the SOP since it did not pass all the fixed limit criteria. The motion was seconded by Dan and unanimously approved.

### Carbon Tetrachloride

The study concentration was 24.1 - 189 ug/Kg. It passed the SOP criteria. The current lower limit is 20 ug/Kg. It did not pass 2 of the 3 criteria for fixed limits. PDF file dated June 3, 2011. Carl commented it might be difficult to pass a fixed limit of +/- 45%. Dan would be comfortable with +/- 50% as per his data.

A motion was made by Stacey to use a concentration limit of 20 - 200 ug/Kg for Carbon Tetrachloride on the SCM FoPT accreditation table and using a fixed limit of +/- 50% across the range for this analyte relative to the assigned value. This is a departure from the SOP since it did not pass all the fixed limit criteria. The motion was seconded by Dan and unanimously approved.

### Tetrachloroethene

The study concentration was 28.2-192 ug/Kg. It passed the SOP criteria. The current lower limit is 20 ug/Kg. It did not pass one of the three fixed limit tests as per the SOP. PDF file dated June 3, 2011. Dan and Stacey thought a fixed limit of +/- 50% would be acceptable.

A motion was made by Stacey to use a concentration limit of 20 - 200 ug/Kg for Tetrachloroethene on the SCM FoPT accreditation table and using a fixed limit of +/- 50% across the range for this analyte relative to the assigned value. This is a departure from the SOP since it did not pass all the fixed limit criteria. The motion was seconded by Stephen and unanimously approved.

### 1,1,1,2-Tetrachloroethane

The study concentration was 28.2 -183 ug/Kg. It passed the SOP criteria. The current lower limit is 20 ug/Kg. It did not pass the fixed limit test as per the SOP criteria (it did not pass the b and d coefficients). The PDF file is dated June 3, 2011. Carl recommended a fixed limit of +/- 40%.

A motion was made by Dan to use a concentration limit of 20 - 200 ug/Kg for 1,1,1,2-Tetrachlorethane on the SCM FoPT accreditation table and using a fixed limit of +/- 40% across the range for this analyte relative to the assigned value. This is a departure from the SOP since it did not pass all the fixed limit criteria. The motion was seconded by Stephen and unanimously approved.

### 1,1,2,2-Tetrachloroethane

The study concentration was 22.5 - 176 ug/Kg. It passes SOP criteria . The current lower limit is 20 ug/Kg. It did not pass the fixed limit criteria for the b and d coefficients. The PDF file is dated June 3, 2011. Stephen commented that 40 or 45% would work as a fixed limit.

A motion was made by Stephen to use a concentration limit of 20 - 200 ug/Kg for 1,1,2,2-Tetrachloroethane on the SCM FoPT accreditation table and using a fixed limit of +/- 45% across the range for this analyte relative to the assigned value. This is a departure from the SOP since it did not pass all the fixed limit criteria. The motion was seconded by Dan and unanimously approved.

### 1,2-Dibromoethane (EDB) (additional data)

The study concentration was 27.3 - 181 ug/Kg. This is a new analyte for the table. There was additional data added. It passes SOP criteria . It did not pass fixed limit criteria – did not pass b coefficient. The PDF file is dated June 2, 2011.

A motion was made by Dan to use a concentration limit of 20 - 200 ug/Kg for 1,2-Dibromoethane (EDB) on the SCM FoPT accreditation table and using a fixed limit of +/-

35% across the range for this analyte relative to the assigned value. The motion was seconded by Stephen and unanimously approved.

1,2-Dibromo-3-chloropropane (DBCP) (additional data)

The study concentration was 42.2 - 168 ug/Kg. This is a new analyte for the table. There was additional data added. It passes SOP criteria . It did not pass fixed limit criteria – did not pass b and d coefficient. The PDF file is dated June 3, 2011. Carl recommended +/- fixed limit of 60%. Need to keep 40 – 200 ug/Kg as a concentration range.

A motion was made by Dan to use a concentration limit of 40 - 200 ug/Kg for 1,2-Dibromo-3-chloropropane (DBCP) on the SCM FoPT accreditation table and using a fixed limit of +/- 50% across the range for this analyte relative to the assigned value. The motion was seconded by Stephen and unanimously approved.

This completes the review of all the data received to date.

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 June 11, 2013, at 12:00 PM EST if new data is received for review. (*Rescheduled for June 25, 2013.*)

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

Stephen motioned to adjourn the meeting and Dan seconded the motion. Unanimously approved. The meeting was adjourned at 1:26 pm EST.

## Attachment A

### Participants TNI Chemistry FoPT Subcommittee

<b>Members</b>	<b>Affiliation</b>	<b>Contact Information</b>
Carl Kircher, Chair <b>Present</b>	Florida DOH	<a href="mailto:carl_kircher@doh.state.fl.us">carl_kircher@doh.state.fl.us</a>
Joe Morotti <b>Absent</b>	Sigma-Aldrich RTC	Joe.morotti@sial.com
Melanie Ollila <b>Absent</b>	Pace Analytical Services, Inc.	MOllila@pacelabs.com
Jeff Lowry <b>Absent</b>	Phenova	JeffL@phenova.com
Stephen Arpie <b>Present</b>	Absolute Standards, Inc.	<a href="mailto:stephenarpie@mac.com">stephenarpie@mac.com</a>
Dan Dickinson <b>Present</b>	New York, DOH	<a href="mailto:dmd15@health.state.ny.us">dmd15@health.state.ny.us</a>
Stacey Fry <b>Present</b>	E.S. BABCOCK & Sons, Inc.	<a href="mailto:sfry@babcocklabs.com">sfry@babcocklabs.com</a>
Ilona Taunton, Program Administrator <b>Recorded - Transcribed</b>	TNI	

**Attachment B**

**Action Items – Chemistry FoPT Subcommittee**

	<b>Action Item</b>	<b>Who</b>	<b>Expected Completion</b>	<b>Actual Completion</b>
101				

Attachment C

**Backburner / Reminders – Chemistry FoPT Subcommittee**

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