

TNI Chemistry FoPT Subcommittee
Meeting Summary
March 22, 2011

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on March 22, 2011 at 12:04 EST. Attendance is recorded in Attachment A. There were 8 members on the call today. Carl welcomed Joe to the subcommittee.

The minutes from the March 8th meeting will be reviewed and approved at the next meeting.

2. Update

Xylenes question has been answered by PTEC. Total Xylenes and m+p-Xylenes and o-Xylene will be included on the FoPT tables. Jeff asked if this was applicable to SCM too? Eric will confirm this with the PTEC.

3. NPW FoPT Tables

m+p-Xylenes and o-Xylene

The study concentration was 11.2-156 ug/L for m+p-Xylenes and 10 – 92 ug/L for o-Xylene. SOP and fixed limit criteria were passed. The fixed limit was 31.2% for m+p Xylenes and 32.3% for o-Xylene. The regressions appear to be about 33%.

A motion was made by Eric to update the limits for m+p Xylenes and o-Xylene on the NPW FoPT accreditation table to fixed +/- 40% of the assigned value and a concentration range of 10 – 150 ug/L. The motion was seconded by Stephen and unanimously approved.

MIBK (4-Methyl-2-pentanone)

The study concentration was 20-197 ug/L. It passes all SOP criteria. It does not meet criteria for fixed limits. It behaves similarly to 2-Hexanone.

A motion was made by Dan Tholan to update the limits for MIBK on the NPW FoPT accreditation table to the regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 7-1-2010) and a concentration range of 20 – 200 ug/L. The motion was seconded by Stacey and unanimously approved.

Acetone

The study concentration was 19.2 - 179 ug/L. It passes all SOP criteria. Jeff suggested use of the regression equation.

A motion was made by Jeff to add the limits for Acetone (new analyte) on the NPW FoPT table by using the regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 12-23-09) and a concentration range of 20 – 200 ug/L. The motion was seconded by Dan Tholan and unanimously approved.

2-Butanone (Methyl ethyl ketone)

The study concentration was 15.4 – 155 ug/L. It did not pass $\text{Stdev } R^2 \text{ Eval} > 0.75$ test. This analyte is on the solids table, but it would be a new analyte on the NPW table. Dan Tholan noted that there is a change in standard deviations around 50 ug/L. Perhaps split criteria should be considered. It needs to be added to be consistent with the SCM table. Carl asked if the data below 50 ug/L could be deleted and then the calculations redone. Stephen suggested looking at 75ug/L. Jeff will look to see if more data is available and he will redo calculations based on the scenarios discussed. It will be looked at during the next meeting.

Acrylonitrile and Acrolein

These are really screening methods and perhaps a PT is not really needed. There is data available.

Acrolein – Does not pass $\text{Mean } R^2 \text{ Eval} > 0.9$ and $\text{Stdev } R^2 \text{ Eval} > 0.75$.

Acrylonitrile – Does not pass $\text{Stdev } R^2 \text{ Eval} > 0.75$.

Eric and Carl prefer to not add Acrolein to the tables and Eric would prefer that Acrylonitrile not be added. The subcommittee discussed the need for these analytes and concluded that they should not be added to the table.

Carbon Disulfide

It is not currently on the table. The low end has problems. It does not pass $\text{Stdev } R^2 \text{ Eval} > 0.75$. The study concentration was 11.2 - 153 ug/L. Carl thought a fixed limit of +/-50% could be used.

The subcommittee discussed the need for this analyte on the table and concluded that the analyte not be added to the table.

There was insufficient data to review 2-Chloroethyl vinyl ether. This completes the data for volatiles.

When the group meets next, the volatiles should be reviewed as a whole. Jeff noted that there are some different ranges and the subcommittee should consider evening some out before the discussion is finalized. Normalize concentration range.

Jeff will send out an updated NPW Evaluation table.

Metals will be considered next week.

4. Action Items

Updates were made directly to the Action Table.

5. New Business

None.

6. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be April 5, 2011, at 12:00 PM EST.

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

The meeting was adjourned at 1:06 pm EST. (Motion: Stephen Second: Eric 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
Joe Marotti Present	RT Corp	crucinski@rt-corp.com 307-721-5485
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 Absent	Wibby Environmental	303-940 -0033 cwibby@wibby.com
Eric Smith Present	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 Present	E.S. BABCOCK & Sons, Inc.	951-653-3351 x238 sfry@babcocklabs.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	
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	
74	Check with Eric on SC request for low level EDB, DBCP. Send back to PT Executive Committee.	Carl	10/26/10	
76	Check with PT Executive Committee to find out when they would like the current work on the NPW and SCM tables to be completed.	Carl	11/16/10	Complete
80	Contact ACLASS to check on possible member for subcommittee. Lab candidate can start as an associate member.	Carl	4/5/11	
81	Provide additional graphs by next call.	Jeff	3/8/11	
82	Recalculate 2-Butanone based on discussion.	Jeff	4/5/11	
83	Send out an updated NPW Summary Table.	Jeff	4/5/11	
84				
85				

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	<p>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.</p> <p>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.</p> <p>5/4: Jeff is working with ELAB on this now.</p> <p>7/19: The workgroup is continuing to work on this and should discuss this on the September 2010 call.</p> <p>9/21: No work has been done in ELAB – so this has been delayed a month.</p>
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	
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	They were added to the solids table where they were experimental. They were not experimental on the NPW table.
7	Review completed NPW table and look for	11-30-10	

	grouped analytes that behave similarly and look for consistent criteria. Compare results to Drinking Water values too.		
8	Follow-up on Xylene question sent to PT Executive Committee.	1-11-11	Complete