

**TNI Chemistry FoPT Subcommittee
Meeting Summary
December 13, 2011**

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on December 13, 2011 at 12:07 EST. Attendance is recorded in Attachment A. There were 7 members on the call.

There were not enough members present on November 15th to have a call.

The minutes from the November 1st call were reviewed. Stephen made a motion to accept the minutes. The motion was seconded by Stacey and unanimously approved.

(Addition: Details on analytes approved on 11/29/11 can be found in the 5/8/12 minutes.)

2. NPW FoPT Tables

The group is working off of the table that Carl e-mailed on August 10, 2011.

2-Chloronaphthalene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,2,4-Trichlorobenzene and Hexachlorobenzene

	Study Concentration (ug/L)		Current Criteria (ug/L)	
2-Chloronaphthalene,	22.3	184	20	200
1,2-Dichlorobenzene	40	145	30	150
1,3-Dichlorobenzene	33	144	30	150
1,2,4-Trichlorobenzene	41.7	180	35	180
Hexachlorobenzene	22.5	189	20	190

All analytes met the SOP criteria. Carl asked if these analytes could be considered together. (Carl originally included 1,4-Dichlorobenzene on this list. Eric asked if the group might consider keeping the current regression equation for 1,4-Dichlorobenzene, so this analyte was removed from the table above and was considered separately.)

A motion was made by Dan T. to change the current concentration limits for 2-Chloronaphthalene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,2,4-Trichlorobenzene and Hexachlorobenzene on the NPW FoPT accreditation table to 20 – 200 ug/L and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 10-14-2010 for all analytes except 2-Chloronaphthalene which was dated 10-13-2010). The motion was seconded by Joe and unanimously approved.

1,4-Dichlorobenzene

	Study Concentration (ug/L)		Current Criteria (ug/L)	
1,4-Dichlorobenzene	32.7	146	30	150

A motion was made by Eric to change concentration limits for 1,4-Dichlorobenzene on the NPW FoPT accreditation table to 20 – 200 ug/L and maintain the current regression equation. The motion was not seconded.

Jeff noted that the 10% rule comes into question on the older equation, not the newer one.

A motion was made by Dan D to change the current concentration limits for 1,4-Dichlorobenzene on the NPW FoPT accreditation table to 20 – 200 ug/L and use the new regression equation with the abcd coefficients described in the PDF provided by Carl (dated 10-14-2010).

Vote: For – 6 Opposed – 0 Abstain – 1 (Eric) The motion was approved.

Hexachlorethane

The PDF was originally sent out by Jeff on 10-12-10. The study concentration was 56.9 – 183 ug/L. It passed SOP criteria. Carl recommended looking at a concentration of 20 – 200 ug/L. Jeff did not think it was appropriate to lower the concentration to 20 ug/L. It is currently set at 50 ug/L. Stacey's reporting limit is currently 10 ug/L. Eric preferred to see 50 – 200 ug/L. Dan D. agreed with Eric's suggestion. A lower limit of 40 ug/L would set the PTRL at 4 ug/L.

A motion was made by Eric to change the current concentration limits for Hexachloroethane on the NPW FoPT accreditation table at 50 – 200 ug/L and use the current regression equation. The motion was not seconded.

A motion was made by Jeff to change the current concentration limits for Hexachlorethane on the NPW FoPT accreditation table to 50 – 200 ug/L and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 10-18-2010). The motion was seconded by Stacey.

Vote: For – 6 Opposed – 0 Abstentions – 1 (Eric) The motion passed.

Hexachlorobutadiene

The study concentration was 52.9 – 191 ug/L. It failed the Stdev R² Eval > 0.75 criteria. The current lower limit is 50 ug/L.

A motion was made by Eric to change the current concentration limits for Hexachlorobutadiene on the NPW FoPT accreditation table to 50 – 200 ug/L and use the

new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 10-18-2010). The motion was not seconded.

Dan D. asked for more information about the old R² Evaluation results. This information would need to be looked for. It is from 2002 or 2003. He would also like to see the same data for Hexachlorocyclopentadiene. Jeff is not sure the old data can be found, but he will take a look and see what can be found before the next conference. Eric thinks the last time the analytes were updated was May 10, 2006 according to a table he has.

Bis(2-ethylhexyl) phthalate

The study concentration was 20.2 - 195 ug/L. It passed SOP criteria.

A motion was made by Jeff to continue to use a concentration limit of 20 – 200 ug/L for Bis(2-ethylhexyl) phthalate on the NPW FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 10-19-2010). The motion was seconded by Eric and unanimously approved.

Di-n-octylphthalate

The study concentration was 29.2 - 192 ug/L. It did not pass the Stdev R² Eval > 0.75 criteria. The current lower limit is 40 ug/L.

The present equation converges and Jeff recommends that the new equation should be considered – even with the failure.

A motion was made by Eric to use a concentration limit of 30 – 200 ug/L for Di-n-octylphthalate on the NPW FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 10-19-2010). The motion was seconded by Stacey and unanimously approved.

Benzyl butyl phthalate

The study concentration was 43 - 192 ug/L. It passes SOP criteria. The current lower limit is 50 ug/L.

Jeff noted that the PDF converges. This should be considered if Carl wants to lower the concentration range. Dan noted it looks better after outlier removal. Jeff also commented that it gets worse below 50 ug/L.

A motion was made by Eric to use a concentration limit of 50 – 200 ug/L for Benzyl butyl phthalate on the NPW FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 10-19-2010). The motion was seconded by Joe and unanimously approved.

Di-n-butylphthalate

The study concentration was 42.7 - 176 ug/L. It passes SOP criteria. The current lower limit is 40 ug/L. Carl asked to raise the upper limit to 200 ug/L for consistency.

A motion was made by Joe to use a concentration limit of 40 – 200 ug/L for Di-n-butylphthalate on the NPW FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 10-19-2010). The motion was seconded by Jeff and unanimously approved.

Diethyl phthalate

The study concentration was 32.2 - 167 ug/L. It does not pass the Stdev R² Eval > 0.75. The current lower limit is 65 ug/L. Carl asked to raise the upper limit to 200 ug/L for consistency.

Jeff noted that there are two points he left in that caused the problem with the SOP criteria. The committee would like to have the information for the analyte recalculated and evaluated at the next meeting. The lower end of the data would be 66 ug/L. Dan Dickenson will do this.

Dimethyl phthalate

The study concentration was 54.4 - 173 ug/L. It does not pass the Stdev R² Eval > 0.75 or Mean R² Eval > 0.9 criteria. The current lower limit is 100 ug/L.

Jeff asked if this analyte is worth looking at. Dan D. commented that the only way someone would fail this one is to not find it. Eric asked if the committee could propose to drop this analyte. Some committee members commented that dropping it might cause problems for the states and perhaps it should be left as is.

Discussion on this analyte will resume on the next call. Dan T. noted that since there will be other problem analytes like this one, perhaps there needs to be a new category for these types of problem analytes.

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 January 3, 2012, at 12:00 PM EST.

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

Eric motioned to adjourn the meeting and Stacey seconded the motion. Unanimously approved. The meeting was adjourned at 1:29 pm EST.

Attachment A

Participants TNI Chemistry FoPT Subcommittee

Members	Affiliation	Contact Information
Carl Kircher, Chair Present	Florida DOH	904-791-1574 carl_kircher@doh.state.fl.us
Joe Marotti Present	RT Corp	307-721-5485 jmorotti@rt-corp.com
Amy Doupe Absent	Lancaster Laboratories, Inc.	717-656-2300 x1812 aldoupe@lancasterlabs.com
Jeff Lowry Present	Other	lowjc@aol.com
Mark Mensik Absent	Wibby Environmental	303-940 -0033 MMensik@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 Absent	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. <i>(3/24/09 – It was determined that these tables are used by more than just ABs. This needs to be reconsidered.)</i>	TBD	Ongoing	
85	Old R ² Evaluation results will be looked for and presented at the next meeting.	Jeff	1/3/12	
86	Diethyl Phthalate will be recalculated with out the two lower points.	Dan D.	1/3/12	

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>
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 grouped analytes that behave similarly and look for consistent criteria. Compare results to Drinking Water values too.	11-30-10	

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