

**TNI Chemistry FoPT Subcommittee  
Meeting Summary  
November 1, 2011**

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on November 1, 2011 at 12 EST. Attendance is recorded in Attachment A. There were 7 members on the call.

2. NPW FoPT Tables

The group is working off of the table that Carl e-mailed on August 10, 2011. The analyte files were sent August 18<sup>th</sup>.

Total Dissolved Solids and Total Solids

The study concentration was 77.7 - 800 mg/L for TDS and 182 – 800 mg/L for TS. The new regression equations fail the Stdev R<sup>2</sup> Eval > 0.75 criteria for both analytes. A motion was made during the last meeting that did not pass and it was decided to discuss these again today. Dan's concerns are included in the 10-18-11 meeting minutes.

Mark asked if the upper limit needs to be raised on Total Solids. The current limits are 140 – 650 mg/L for TDS and 140 – 675 mg/L for TS.

If the present limits are kept for TDS, it is based on a study mean. This is a little different compared to the others. Present failure rates are very low. There was much discussion looking at Specific Conductivity and the other Solids. The option of fixed limits was also looked at.

A motion was made by Dan D. to update the concentration range for TDS and TS to 140 – 800 mg/L concentration. Use the a & b coefficients (pdf from Jeff on 11-19-10) to establish the study mean and a c value of zero and d value of 15.0 mg/L. The motion was seconded by Stephen.

Discussion:

Jeff asked if Conductivity could be looked at again. The Conductivity concentration range was approved at 200 – 1200  $\mu$ mhos/cm and +/- 10% fixed limits. Jeff was satisfied with the information.

The motion passed unanimously.

### Acenaphthene

The PDF was originally sent out by Jeff on 10-12-10. The study concentration was 14.9 – 196 ug/L. It passed SOP criteria. Carl recommends looking at 20 – 200 ug/L concentration.

A motion was made by Joe to maintain the current concentration limits for Acenaphthene on the NPW FoPT accreditation table at 10 – 200 ug/L and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 10-12-2010). The motion was seconded by Mark.

#### Discussion:

Stephen suggested +20 and -40%. Jeff noted that the ability to do something like this really needs to be added to the limit SOP (4-001 v 3). Stephen thinks it would make things easier in internal audits. Carl commented that the change would need to be recommended to the PT EC. It would also benefit second party and third party audits. It was suggested that the subcommittee update the SOP and present it to the PT EC.

The motion was unanimously approved.

### Acenaphthylene

The PDF was originally sent out by Jeff on 10-12-10. The study concentration was 10.3 – 195 ug/L. It passed SOP criteria. If the limit SOP were revised, Carl would like to see fixed limits of 40 – 120%.

A motion was made by Mark to maintain the current concentration limits for Acenaphthylene on the NPW FoPT accreditation table at 10 – 200 ug/L and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 10-12-2010). The motion was seconded by Joe and unanimously approved.

### Anthracene, Phenanthrene, Chrysene, Benzo(a)anthracene, Benzo(a)pyrene, Pyrene, Fluorene and Benzo(g,h,i)perylene

The PDF was originally sent out by Jeff on 10-12-10. The study concentration was 15.8 – 198 ug/L. It passed SOP criteria. Jeff suggested the group could look at Phenanthrene at the same time. The current Phenanthrene concentration range is currently 30 – 140 ug/L, but Carl would be OK with 20 – 200 ug/L. He would also be OK with 10 – 200 ug/L. Jeff expects this analyte to act the same.

Dan asked Carl which analytes on the list behaved differently. He suggested Fluoranthene, Fluorene and Indeno(1,2,3, cd)pyrene were different. Benzo (g,h, i)perylene failed some SOP criteria. Stephen raised the issue of chromatography issues for additional analytes and some of the same analytes that Carl mentioned. There are co-eluting pairs. Stephen was concerned about Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene and Indeno(1,2,3,cd)pyrene.

A motion was made by Dan to use a concentration limit of 10 – 200 ug/L for Anthracene, Phenanthrene, Chrysene, Benzo(a)anthracene, Benzo(a)pyrene, Fluoranthene, Pyrene, Fluorene and Benzo(g,h,i)perylene on the NPW FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff (dated 10-12-2010). The motion was seconded by Stephen and unanimously approved.

Discussion:

Jeff asked people to look at the graph for Fluoranthene. Pyrene looked good, but Fluoranthene did not. Dan and Stephen accepted a friendly amendment to drop Fluoranthene from their motion. Dropping the concentration to 10 ug/L may be an issue for this analyte. It will be considered individually.

The motion was unanimously approved with the deletion of Fluoranthene.

3. Action Items

Action items were not looked at.

4. New Business

None.

5. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be November 15, 2011, at 12:00 PM EST.

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

Mark motioned to adjourn the meeting and Stephen seconded the motion. Unanimously approved. The meeting was adjourned at 1:31 pm EST.

## Attachment A

### Participants TNI Chemistry FoPT Subcommittee

Members	Affiliation	Contact Information
Carl Kircher, Chair <b>Present</b>	Florida DOH	904-791-1574 <a href="mailto:carl_kircher@doh.state.fl.us">carl_kircher@doh.state.fl.us</a>
Joe Marotti <b>Present</b>	RT Corp	307-721-5485 <a href="mailto:jmorotti@rt-corp.com">jmorotti@rt-corp.com</a>
Amy Doupe <b>Absent</b>	Lancaster Laboratories, Inc.	717-656-2300 x1812 <a href="mailto:aldoupe@lancasterlabs.com">aldoupe@lancasterlabs.com</a>
Jeff Lowry <b>Present</b>	Other	<a href="mailto:lowjc@aol.com">lowjc@aol.com</a>
Mark Mensik <b>Present</b>	Wibby Environmental	303-940 -0033 <a href="mailto:MMensik@wibby.com">MMensik@wibby.com</a>
Eric Smith <b>Absent</b>	TestAmerica	615-726-0177 x1238 <a href="mailto:eric.smith@testamericainc.com">eric.smith@testamericainc.com</a>
Dan Tholen <b>Absent</b>	A2LA	231-929-1721 <a href="mailto:Tholen.dan@gmail.com">Tholen.dan@gmail.com</a>
Stephen Arpie <b>Present</b>	Absolute Standards, Inc.	203-281-2917 <a href="mailto:stephenarpie@mac.com">stephenarpie@mac.com</a>
Dan Dickinson <b>Present</b>	New York, DOH	518-485-5570 <a href="mailto:dmd15@health.state.ny.us">dmd15@health.state.ny.us</a>
Stacey Fry <b>Present</b>	E.S. BABCOCK & Sons, Inc.	951-653-3351 x238 <a href="mailto:sfry@babcocklabs.com">sfry@babcocklabs.com</a>
Ilona Taunton, Program Administrator <b>Present</b>	TNI	828-712-9242 <a href="mailto:tauntoni@msn.com">tauntoni@msn.com</a>

## Attachment B

### Action Items – Chemistry FoPT Subcommittee

	<b>Action Item</b>	<b>Who</b>	<b>Expected Completion</b>	<b>Actual Completion</b>
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	
80	Contact ACLASS to check on possible member for subcommittee. Lab candidate can start as an associate member.	Carl	Next meeting	Carl has talked to Keith. He will follow-up and set a deadline.
84	Discuss the possibility of getting more laboratory feedback before FoPT tables are finalized.	Carl	Next Meeting	
85				

**Attachment C**

**Backburner / Reminders – Chemistry FoPT Subcommittee**

	<b>Item</b>	<b>Meeting Reference</b>	<b>Comments</b>
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.		
9			