

**TNI Chemistry FoPT Subcommittee
Meeting Summary
November 6, 2012**

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the meeting of the Chemistry FoPT Subcommittee to order on November 6, 2012 at 12:03 EST. Attendance is recorded in Attachment A. There were 7 members on the call.

The October 9th minutes were reviewed. A motion was made by Stephen to approve these minutes. The motion was seconded by Stacey and unanimously approved.

The October 23rd minutes were reviewed. A motion was made by Stephen to approve these minutes. The motion was seconded by Stacey and unanimously approved.

Iona distributed an e-mail on October 29th regarding the approval of some analytes that not been completed from a re-vote on May 8, 2012. The minutes from 11/29/11 were recorded, but the recording did not save properly. Carl recorded the results of the vote for these analytes and they are included below. A new vote needs to be taken to officially confirm these decisions.

A motion was made by Dan Dickinson to reaffirm the concentration limits and regression equations as described below. The motion was seconded by Stephen Arpie.

Vote - For – 5 Against – 0 Abstain – 2

The motion passed.

Naphthalene

The study concentration was 32 – 190 ug/L. It passed the SOP criteria.

A motion was made to use a concentration limit of 20 - 200 ug/L for Naphthalene on the NPW FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff by e-mail in 2010. The motion was seconded.

2-Methylnaphthalene

The study concentration was 31.4 – 181 ug/L. It passed the SOP criteria except for the Stdev R² Eval > 0.75 test.

A motion was made to use a concentration limit of 20 - 200 ug/L for 2-Methylnaphthalene on the NPW FoPT accreditation table and use the new regression

equation with the abcd coefficients described in the PDF provided by Jeff by e-mail in 2010. The motion was seconded.

Benzo(b)fluoranthene

The study concentration was 20.1 – 123 ug/L. It passed the SOP criteria.

A motion was made to use a concentration limit of 20 - 200 ug/L for Benzo(b)fluoranthene on the NPW FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff by e-mail in 2010. The motion was seconded.

Fluoranthene

The study concentration was 14.1 – 196 ug/L. It passed the SOP criteria.

A motion was made to use a concentration limit of 30 - 200 ug/L for Fluoranthene on the NPW FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff by e-mail in 2010. The motion was seconded.

Benzo(ghi)perylene

The study concentration was 21.4 – 174 ug/L. It passed the SOP criteria.

A motion was made to use a concentration limit of 10 - 200 ug/L for Benzo(ghi)perylene on the NPW FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff by e-mail in 2010. The motion was seconded..

Dibenz(ah)anthracene

The study concentration was 18.9 – 104 ug/L. It passed the SOP criteria.

A motion was made to use a concentration limit of 20 - 200 ug/L for Dibenz(ah)anthracene on the NPW FoPT accreditation table and use the new regression equation with the abcd coefficients described in the PDF provided by Jeff by e-mail in 2010. The motion was seconded.

Indeno(1,2,3-cd)pyrene

The study concentration was 30.5 – 186 ug/L. It passed the SOP criteria.

A motion was made to use a concentration limit of 30 - 200 ug/L for Indeno(1,2,3-cd)pyrene on the NPW FoPT accreditation table and use the new regression equation

with the abcd coefficients described in the PDF provided by Jeff by e-mail in 2010. The motion was seconded.

Iona also requested in the e-mail that subcommittee members review the minutes on-line by November 13th and let her know of any needed changes. They will all be considered approved and finalized after that date if no comments that are beyond editorial changes are made.

2. Cover Letter NPW FoPT Table

Carl distributed a draft of the cover letter and received comments from Melanie and Jeff that are marked in the copy below:

Dear Members of the PT Program Executive Committee,

The Chemistry Fields of Proficiency Testing (Chem FoPT) Subcommittee is pleased to present for your approval the attached Non-Potable Water (NPW) FoPT Table. This Table represents the results of TWO YEARS worth of biweekly Subcommittee teleconferences in which all existing NPW matrix accreditation FoPT analytes were examined. The available PT data was examined according to SOP 4-101 “Recommendation and Calculation of Acceptance Limits for Chemical, Microbiological, and Radiochemical Components or Proficiency Tests.” ~~Pursuant to requirements in Chapter 2 of the 2003 version of the NELAC Standards,~~ **Pursuant to** sufficient PT data was reviewed to determine the acceptance limits and concentration ranges of NPW PT samples for each analyte.

Recommended changes to the concentrations, acceptance limits, and footnote descriptions in the NPW FoPT Table are color-coded in magenta. Additions are in blue. Proposed deletions are in a strike-through font. A proposed effective date of July 2013 is provided to reflect the time for the Executive Committee to approve the Table, for the NELAP Accreditation Council to ratify the document, and up to 6 months for the PT Providers to implement the proposed changes.

Also attached is a large Excel file that represents the summary analyses and considerations of the PT concentration ranges and acceptance limits consistent with the SOP. The column headers in the “Summary” Tab should be self-explanatory, but the most important headers are:

Column B – Analyte Name

Columns N-S – resultant regression coefficients and correlation coefficients

Columns AN-AO – suggested NELAC lower and upper concentrations

Column AU – suggested PTRL (changed in the FoPT table to 10% of the Column AN value if the calculated PTRL is below that value)

Column BH – Subcommittee’s final recommendation

Column BI – Date of Subcommittee meeting where the recommendation was voted and approved

Column BJ – Recommended FoPT status (“blank” means the analyte was not recommended for addition as FoPT)

In summary, the recommendations are summarized as follows:

Regression = the new regression equations with new a,b,c,d values are recommended.
Present Regression = the currently-tabulated regression equation coefficients are recommended

Fixed = acceptance limits of Assigned Value +/- the shown %RSD are recommended across the entire concentration range

Pursuant to the SOP and the permissible departures and modifications that are described therein, the Subcommittee reports the following comments for FoPTs where the SOP could not be applied in its entirety.

FoPTs recommended for DELETION: Benzidine

Segmented Acceptance Limits (similar to DW Unregulated VOCs): Alkalinity as CaCO₃

Absolute fixed acceptance limits (similar to Ignitability and pH): TDS, TSS, and TS (most of the variance due to weighing of residues, which was nearly independent of the Assigned Values used)

SOP departures: Dibenzofuran, N-Nitrosodimethylamine (new regression equations recommended despite the correlation coefficient of Std. Dev. vs. Assigned Value not meeting SOP criteria) ***[Please state section that was not met, but reference section where we can based on technical judgement suggest these changes.]***

PCBs: Insufficient PT data available for each Aroclor individually, so the PT data was pooled for all 7 Aroclors and acceptance criteria recommended to be applicable to each of the 7 Aroclor FoPTs.

The complete PDF files and meeting minutes are voluminous; however, relevant information can be supplied as needed to answer any questions you may have. You can also direct questions to me at 904-791-1574 or by e-mail at carl_kircher@doh.state.fl.us.

Respectfully submitted,
Carl Kircher, Chair
Chemistry FoPT Subcommittee

The subcommittee was in agreement with the changes in the first paragraph. They discussed the recommended addition in the “SOP departures” paragraph. Other subcommittee members agreed with Jeff’s concern because of past table review issues with the NELAP AC. Carl pointed out that the issue Texas had last time was that there were some analytes on the table

that did not have the number of data points listed in the SOP. This is not the case with this table. The SOP offers flexibility and he will look for the references in the SOP and include it in the letter.

Carl will update the letter this evening and distribute it for final comment by Friday. He will address all comments and plan to distribute the letter and both tables to the PT P Executive Committee next week. He will copy the subcommittee on the final distribution to the PTP Executive Committee.

3. Action Items

See action item table in attachments.

4. New Business

- Jeff will have the volatile organics in soil completed before the next meeting. He will distribute these.
- The next meeting is scheduled during a holiday week. Only one member will not be able to attend, so the meeting date will not change. The review of the Solids and Chemical Waste FoPT table will be started at this meeting.

5. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be November 20, 2012, at 12:00 PM EST.

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

Joe motioned to adjourn the meeting and Stacey seconded the motion. Unanimously approved. The meeting was adjourned at 12:42 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	Sigma-Aldrich RTC	307-721-5485 jmorotti@sial.com
Melanie Ollila Present	Pace Analytical Services, Inc.	612-607-6352 MOllila@pacelabs.com
Jeff Lowry Present	Phenova	720-560-2232 JeffL@phenova.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. <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	Table Management SOP takes care of this action item. Complete
87	Discuss views on dropping problem analytes with the PTP EC.	Carl	Next PTP EC Meeting	Complete
90	Confirm interest of subcommittee members that have not been on recent calls.	Carl	Next Meeting	Complete
96	Update Excel Table and NPW FoPT for Final Vote.	Carl	10/25/12	Complete
97	Get e-mail vote from Stacey.	Carl	10/26/12	Complete
98	Write cover letter for NPW table for distribution to PTPEC.	Carl	11/2/12	Complete
99	Finalize cover letter for NPW table and distribute to PTP EC.	Carl	11/13/12	
100				

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	
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	Complete
9	Prepare a News flash and article when the new NPW FoPT table is approved.	9-25-12	
10			