

Chemistry FoPT Subcommittee Meeting Summary

April 6, 2023

1. Roll call, approval of minutes and overview:

Chair, Amy DeMarco, called the Chemistry FoPT meeting to order at 1pm Eastern on April 6, 2023. There were ten (10) members present: Amy, Audrey Cornell, Carl Kircher, Craig Huff, Patrick Selig, Rachel Ellis, Susan Jackson, Svetlana Izosimova, Aaron Bindel and Kathryn Chang. The Program Administrator (Ilona Taunton) was also present.

Stephen Arpie - Absent		Svetlana Izosimova	X
Kathryn Chang	X	Susan Jackson	X
Audrey Cornell	X	Carl Kircher	X
Tom Dziedzic - Absent		Patrick Selig	X
Rachel Ellis	X	Amy DeMarco	X
Chuck Faulk - Absent		Aaron Bindel	X
Stacey Fry - Absent			
Craig Huff	X	Ilona Taunton – Program Administrator	

There were no changes to the agenda.

2. SOP 4-101 - Recommendation, Evaluation, and Calculation of Acceptance Criteria and Applicable Concentration Ranges for Proficiency Tests

Ilona checked with the TNI Policy Committee about using a recording reference in SOP 4-101. The Subcommittee asked if they could reference Carl Kircher's recorded webinar where he described the process for establishing FoPT limits and provided examples. The Policy Committee had no problem with doing this.

The Subcommittee reviewed the language Amy proposed to add the link to the SOP. A motion was made by Susan to add the language to the SOP. The motion was seconded by Craig. Vote:

Amy DeMarco - For
Audrey Cornell - For
Carl Kircher - For
Craig Huff - For
Patrick Selig - For
Rachel Ellis - For
Susan Jackson - For

Svetlana Izosimova - For
Aaron Bindel - For
Kathryn Chang - For

The motion passed with 10 out of 12 total Subcommittee members voting to approve. Amy will send the amended SOP back to the PTP SOP Subcommittee.

3. ARA for PFAS

Amy heard back from William Daystrom (IT) and he shared the process of getting the data from the PT providers.

The Subcommittee needs to confirm the contacts on the TNI website are correct. Craig is now the contact from ERA. Millipore and NSI look like they may need to be updated. Ilona will check with Paul Junio and send updated contact information to Susan. Susan will send a request for data to all PT Providers. Susan will be asking for 3 years of data.

Amy has received QC information from 14 New York laboratories to help determine an FoPT range. Amy shared the results on screen. Each lab provided about 21 data points. Not all labs do all 29 analytes. Her goal was to look at MRL and LOQ, and what the range was. Most labs could get down to 1 or 2 ng/L for their reporting limit, but at least one lab was 5 ng/L. She also asked for calibration information and found that a lot of labs do 1-100 ng/L and others do 2-400ng/L. She then showed a summary of information for the 6 analytes that EPA is requesting comment on. She had 21 data points, the low MRL/LOQ was 1ng/L, and the high was 5 ng/L. The low calibration range was 1-100 ng/L and the high was 2-400 ng/L for 5 of the analytes and 4-400 ng/L for 1 analyte.

Amy would be comfortable with a PT range starting point of 10 ng/L. Craig has talked to laboratories and he agrees that 10 ng/L would be a good starting point. Other Subcommittee members agreed.

As far as an upper range, Amy asked if 100 ng/L would work. Carl would prefer to see 200 ng/L if it is not blowing up the calibration range because it would make the PT more challenging. There was general agreement.

Carl asked about nomenclature related to how the FoPT table would be presented. He noted that in Drinking water, none of the sulfonic acids are going to be in the acid form. They are going to be instantly deprotonated to sulfate. How does this relate to chemistry and CAS abstract numbers?

The Subcommittee does not have an analyte name figured out yet. This will be discussed at the next meeting. What the PT Providers report is what the ABs will receive. The Subcommittee needs to compare all the names in the methods and then have a discussion about nomenclature at the next meeting.

After further discussion, the range will likely be 10-200 ng/L, but the Subcommittee needs to look at data to confirm.

4. Comments on PFAS National Primary Drinking Water Rulemaking (03/29/2023) - Docket ID Number: EPA-HQ-OW-2022-0114

Do we want to make any comments regarding the +/- 30 of true values? Need physical evidence to support it.

Intra-laboratory could be wider than inter-laboratory. Might be tighter within a lab, but wider across all labs in the country. Need data to look at it to confirm. The data being requested above is needed.

The Subcommittee would like the comments to EPA to be centered around the evidence.

The deadline for comments is May 30th. If the Subcommittee can't have everything together by then, then we will let them know that we are gathering data to confirm the limits.

5. New Business

None.

6. Action Items

- Ilona will request current PT Provider contacts from Paul Junio.
- Susan will send a request to PT Providers for data.
- Compare all the names in the methods to prepare for a Nomenclature discussion.

7. Next Meeting

The next meeting will be a teleconference on May 4, 2023 at 1pm Eastern.

The meeting was adjourned at 1:50 pm Eastern.