

Chemistry FoPT Subcommittee Meeting Summary

June 1, 2023

1. Roll call, approval of minutes and overview:

Chair, Amy DeMarco, called the Chemistry FoPT meeting to order at 1pm Eastern on June 1, 2023. There were six (6) members present (X):

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

There were no changes made to the agenda, but since there was not a quorum, the meeting could only be informational. No official business could be done.

2. ARA for PFAS Limits

Data Submission

The PT Providers have uploaded data to TNI, but the Subcommittee has not received the masked data from William yet. Once the data is received, it will be sent to Carl for analysis. He should start with the 6 PFAS analytes proposed in the DW regulations.

PFAS Acronym Differences (3 Analytes)

Audrey prepared a spread sheet looking at acronym differences for three analytes. Amy reviewed the table with the Subcommittee.

Analyte Name	Chemical Abstract Service Registry Number (CASRN)	Entities with acronym	Comments
Perfluoroundecanoic acid (PFUnA)	2058-94-8	ARA, UCMR5, NIH pubchem, ATSDR (PFUA), Sigma Aldrich, Pace (documents from ARA), EPA Substance Search Registry	
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	LAMS, Pace MN (from ARA documents has both)	
perfluorotetradecanoic acid (PFTA)	376-06-7	ARA, UCMR5, Pace (documents from ARA, EPA Substance Search Registry	AC did not find in CAS # searches, ACD did
perfluorotetradecanoic acid (PFTDA)	376-06-7	LAMS, NIH pubchem, Pace MN (from ARA documents has both)	
4,8-dioxa-3H-perfluorononanoic acid (ADONA) ²	919005-14-4	ARA, UCMR5, NIH pubchem, EPA Substance Search Registry	2 is a typo by ACD
4,8-dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	LAMS	maybe LAMS typo/

Pace MN e.g

Perfluoroundecanoic acid	PFUnA (PFUnDA)	2058-94-8
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5/4/2023 - added in difference with LAMS database vs EPA acronyms

Perfluoroundecanoic acid (PFUnA) – LAMS is PFUnDA

perfluorotetradecanoic acid (PFTA) – LAMS is PFTDA

4,8-dioxa-3H-perfluorononanoic acid (ADONA)² –

LAMS is DONA

Craig has historical information to stay with LAMS. Amy will send the table to all Subcommittee members for further discussion.

Footnote Discussion

Amy pulled footnotes that are in the current FoPT tables. She would like the Subcommittee to consider whether these will be needed for the posting of PFAS limits.

Footnotes:

Language in drinking water table:

1) All analytes regulated under the US EPA's Safe Drinking Water Act must be spiked at non-zero assigned values, except when not required for evaluation in a supplemental PT study and when specified in the footnotes below.

13) The following recommended sample designs, which were used in past USEPA studies, should be used as model designs because other designs may not give equivalent statistics. PT study providers may vary their sample designs from those shown. The specifics within each sample are within the discretion of the PT study Provider.

- a) Design criteria for Mercury – 1:1 (mole:mole as Hg) Mercuric Oxide and Methyl Mercuric Chloride.
- b) Design criteria for Cyanide (all forms) – uncomplexed, e.g., Potassium Cyanide.
- c) Design criterion for Turbidity – Formazin is the source for Turbidity.
- d) Design criteria for Chlorinated Acid Herbicides – should be supplied in the acid form of the target herbicide.
- e) Design criteria for 2,4-D – should be at least half the butyl ester with the remainder in the acid form.
- f) Design criteria for Diquat – Starting material is Diquat Dibromide Monohydrate as required in the method. All assigned values and reported values should be as Diquat.
- g) Design criteria for Endothall – Starting material is Endothall Monohydrate as required in the method. All assigned values and reported values should be as Endothall.
- h) Design criteria for Decachlorobiphenyl – The source of the Decachlorobiphenyl is one of the following Aroclors: 1016, 1221, 1232, 1242, 1248, 1254, 1260.
The assigned value of the Decachlorobiphenyl is to be calculated by the provider from the concentration of the Aroclor used to prepare the sample according to Table 1 of the USEPA Method 508A.
- i) Design criteria for Corrosivity (Langlier Index) – The assigned value is to be calculated based on the solution ionic strength as calculated from Total Filterable Residue.

Language in Non-potable water table:

1) For volatiles, base/neutrals, acids, organochlorine pesticides, herbicides, and low level PAHs, providers must include a minimum number of analytes using the criteria described below:

PT samples that are to be scored for one to ten analytes must include all of these analytes.

PT samples that are to be scored for ten to twenty analytes must include at least ten of these analytes or 80% of the total, whichever number is greater.

PT samples that are to be scored for more than twenty analytes must include at least sixteen of these analytes or 60% of the total, whichever number is greater.

If the calculated percentage of the total number of analytes in the PT sample is a fraction, the fraction shall be rounded up to the next whole number.

Will the 6 analytes that will be regulated be present in the PTs? Will both analytes from both method lists be spiked every time? Craig confirmed that that is what he is hearing from states.

Amy will send out the footnote information for people to look at and think about before the next meeting.

3. New Business

None.

4. Action Items

5/5/23:

- Ensure Craig gets assistance with upload of data. – Done

6/1/23:

- Amy will send out the information provided above to the Subcommittee for discussion.

(Addition: Email from Amy – 6-7-23:

Attached are the documents that were discussed last week. The first one is gearing up for writing a PFAS footnote. What should we put in there, if anything? The second document is the difference that were found for 3 of the PFAS acronyms (LAMS vs ARA submission documents). Thanks again Audrey! We should decide how we will proceed with these.)

5. Next Meeting

The next meeting will be a teleconference on July 6, 2023 at 1pm Eastern.

The meeting was adjourned at 1:50 pm Eastern.