IC2 Product Testing Workgroup Meeting Notes

April 23, 2025 at 3pm ET/ 12pm PT

Participants (17): Mikalah Bailey, Andre Algazi, Micheal Zahn, Kelleigh Wasser, Ivan Titaley, Conor Shea, Justin Waltz, Sara Sekerak, Peder Sandhei, Nicole Orabona, Tom Metzner, Hannah McNeight, Mui Koltunov, Ravi Kang, Karna Holoquist, Jennifer Harfmann, Amanda Charette

Action Item Review

André added a column for accreditation to the spreadsheet

Next steps coming out of the PFAS Technical Subgroup

Reviewed current work and capacity as well as technical challenges and needs. Next subgroup meeting will be on Thursday 6/26/2025 from 3-4PM ET/noon – 1PM PT.

Round Robin

Updates on current work and/or upcoming work. Identifying potential areas of common interest/collaboration.

NYSDEC: After their last attempt to get product testing underway, Eurofins viewed NYSDEC's work as a conflict of interest because their labs also have clients in industry, i.e., manufacturers. Eurofins wanted them to sign an NDA, which NYSDEC said no to.

DTSC: Working on formaldehyde in cosmetic products in collaboration with WEACT. Researching phthalates in children's products and looking at potential methods. Reviewing literature, trying it out, and developing methods in house. Happy to share their methods.

ECY: Working on their annual scoping process. Looking at methods that are out there and available in the literature. Still collecting data on runoff from artificial turf. Starting to look at children's jewelry. Did participate in a 6PPD round robin recently in Canada.

Brainstorming

Future agenda topics:

1. How to write up an SOP for a bid to a product testing lab. And what points/terminology would someone need for approval?
    a. What are the elements of an SOP?
    b. How will you use the data/what are your data quality objectives?
2. QA/QC procedures. Internal sharing + inviting someone from a contract lab to come speak about what you need your data to do for you/what do you tell or ask the lab? Walkthrough + answering questions

    a. What is your purpose for analyzing samples and how do you plan to use the data?
    b. QA vs. QC
    c. Data quality objectives
    d. Quality assurance plans
3. Reference samples and standards. What, if any, does everyone use?
    a. (Essentially) pure standard reference materials are used to calibrate instruments and quantify analytes
    b. Standard reference materials from a second source can be used for various purposes, including method validation, QC, calibration, and proficiency testing
    c. Reference samples can be a sample of similar material/matrix to the one a lab plans to analyze, which contain known concentrations of chemicals interest (i.e., analytes). They can be used to validate new methods and to assess the precision and accuracy of a laboratory's results
    d. Discussion: what types of standards do our labs use and for what purposes?
4. Collaborative Round Robin on sharing/reviewing actual samples and methods. Referencing the "product testing capabilities" tab on the spreadsheet. Possibly, adding a column about if this is a need or is it being done.
    a. What are our experiences with round robin testing?
    b. What projects are members of our group doing, or plan to do, that involve similar sample matrix and analytes?
    c. Can/should we share samples for round robin testing?

Chat Resources:

Perhaps product testing-adjacent recent publication of interest: Online Iodide Chemical Ionization Mass Spectrometry (I-CIMS) Enables Occupational Inhalation Exposure Assessment of 6:2 Fluorotelomer Alcohol (6:2 FTOH) Emitted to Air during Floor Waxing | Environmental Science & Technology Letters