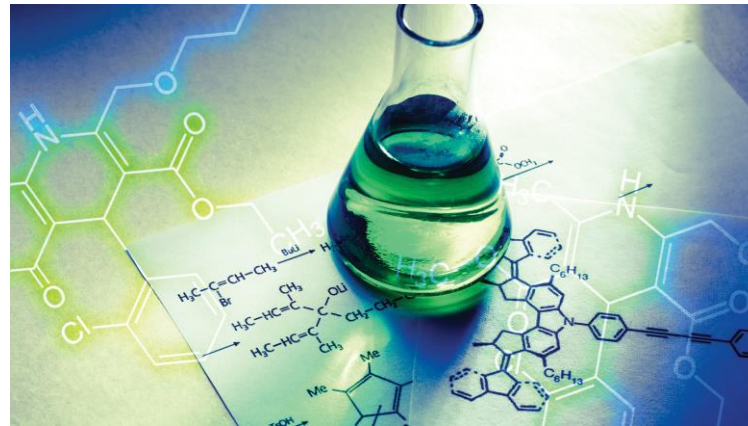


# Cannabis Science Task Force: Metals Analytical Work Group Update

Date: 9/14/2020

Metals AWG meeting:

September 2nd from 1-4pm



# 5th METALS AWG MEETING

## Roll Call: ★ = Present

### CSTF (Cannabis Science Task Force) Metals Workgroup Members:

- ▶ Sara Sekerak, Dept. of Ecology (DOE)-CSTF Lead Chemist 🚫
- ▶ Ryan Zboralski-Proxy for Sara Sekerak ★
- ▶ Caroline West, Dept. of Health (DOH)-Metals Workgroup Lead & Facilitator ★
- ▶ Nicholas Poolman, Liquor and Cannabis Board (WLSCB) ★
- ▶ Mike Firman, Dept. of Agriculture (WSDA) ★
- ▶ Tania Sasaki, Confidence Analytics ★
- ▶ Srinivasa Reddy Mallampati, Medicine Creek Analytics ★
- ▶ Curtis Deer, Institute of Food Safety and Defense ★
- ▶ Tim McCall, Dragon Analytical Laboratory ★

### CSTF Workgroups (Metals, Potency, PT, etc.) Support Staff:

- ▶ Anastacia Green, Dept. of Ecology (DOE)- CSTF Secretary Senior ★

# Meeting Update: General Topics

## Topics Discussed

- ▶ 1. Review of previous meeting discussion of Performance vs Prescriptive continued with more emphasis on what each really means & what a hybrid approach may look like
- ▶ 2. Starting Reviewing EPA 3052 digestion protocol which allows for changes in microwave digestion techniques.
  - ▶ To make “more hybrid” could add that other digestion techniques are also acceptable, such as hot block digestions, etc.

## Responses to Topics

- ▶ 1. Decided on a **Prescriptive Hybrid Approach**: All present voted to adopt; however, since Sara was absent will discuss once more before bringing as a motion
- ▶ 2. Decided this was a good document since it typical of this type of hybrid approach: sect. 7.3.6 even says “this method is a performance based method, designed to achieve or approach total decomposition of sample through achieving specific reaction conditions”



# Meeting Update: Specific Thoughts



## Prescriptive Hybrid Concept

- ▶ Can add alternative pathways to the prescriptive method giving additional options with performance based criteria guidelines
- ▶ Starting with a pre-established prescriptive method like an EPA or FDA will help save a lot of work for us as they have pre-established linked protocols, such as Sample Storage requirements, Sample Collection, QC requirements, etc.

## Thoughts to support Concept

- ▶ EPA 3052 does this somewhat already & we just need to add cannabis as a validated analyte\*
- ▶ Would need to show the digestion technique or parameters used & validate the method(s) per matrix
- ▶ Many other protocols, not just testing protocols to consider. If we find a hybrid approach w/a complete set of SOPs to go off of we can then pair it with criteria

# Other Topics Discussed & Next Steps

- ▶ We discussed AOAC Standard Method Performance Requirements, ISO requirements, and LAU requirements for accreditation and performance criteria comparing and contrasting these concepts
- ▶ We will hopefully finish reviewing EPA 3052 Microwave Assisted Digestion & start reviewing EPA 3050 Hot Block Digestion then move onto EPA 6020 ICPMS, etc
- ▶ We plan to continue our Hybrid approach discussions and come up with an official motion for the next Steering Committee meeting
- ▶ QUESTIONS??

