COLORADO
Department of Public Health & Environment

Certification of Marijuana Testing Facilities for Pesticide Analysis Working Group Summary

April 11, 2016

1. Agenda Item: Review of the Method Detection Limit (MDL) study protocol
   - The most recent changes to the protocol, including the allowance for exclusion of outliers that are caused by known or demonstrated physical reasons, were reviewed. The group was in agreement with these changes.
   - It was suggested that using the signal-to-noise ratio to estimate the detection limit and determine spike levels may be inappropriate due to the use of very low or no noise analytical instrumentation, potentially resulting in elevated MDL's. It was suggested that an alternative approach be used and literature on the subject was provided to the group.

Assignment
The MDL sub-committee will review the literature and discuss alternative options to the current protocol and determine a recommendation prior to the next meeting.

2. Agenda Item: Update on sourcing pesticide free flower for the MDL study
   - At least two cultivation facilities have offered to provide pesticide free flower. A total volume needed for the study must be specified, but is contingent upon how many labs can/will participate.

Assignment
CDPHE/CDA will determine the total amount of flower needed per laboratory to conduct the study, assuming a defined sample size.

3. Agenda Item: Update from MDA and CDA on possibility of providing metadata for statistical sampling strategies
   - Types of pesticide residues found, concentrations, and frequency of detection, as well as average harvest batch size, are needed data to move forward with determining a Bayesian sampling model.
   - MED agreed to provide this data from 2015 and the first quarter of 2016. CDA has already provided data on the frequency of detection, but will also provide concentration data.

Assignment
MED and CDA will provide the needed data, or at least an update on the time needed to compile said data, to CDPHE within two weeks.

4. Agenda Item: Update from the sub-committee working on sampling protocols
   - The Bayesian sampling model development has been initiated using the data provided by CDA. The additional data described above is needed to complete this model. Once the model is complete, the sampling sub-committee will meet to review.