Meeting California's Cannabis Testing Requirements Using SCIEX LC-MS/MS

California testing regulations for pesticides in *Cannabis* consist of a pesticide panel of two categories of pesticides which contain a chemically diverse list of compounds. The required testing contains compounds that traditionally have been done by GC-MS. SCIEX technology enables the analysis of the complete California panel by LC-MS/MS at the required maximum residue limits (MRL's) in cannabis matrix on a single instrument.

SCIEX QTRAP® 6500+ system

SCIEX Technology

IonDrive™ Turbo V Source

- Enhanced gas dynamics for analysis at lower temperatures—ideal for temperature sensitive pesticides

QJet® Ion Guide

- Innovative SCIEX technology to maximize sensitivity
- Known for rugged performance with cannabis matrices
- Easy clean-up for less instrument downtime and higher pesticide residue testing output

High Energy Detector

- Linear dynamic range demonstrates accurate results across widely varying pesticide action limits

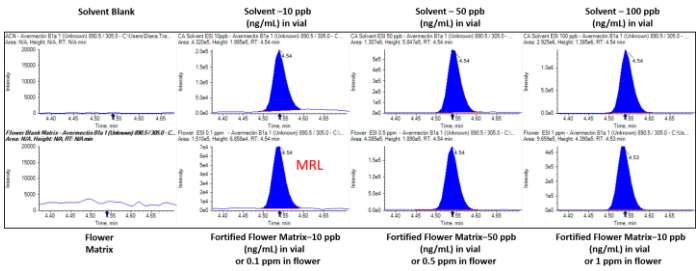
Analysis

Leveraging the benefits of atmospheric pressure chemical ionization (APCI), laboratories will need a less diverse panel of internal standards to correct for matrix effects enabling cost savings in sample analysis.

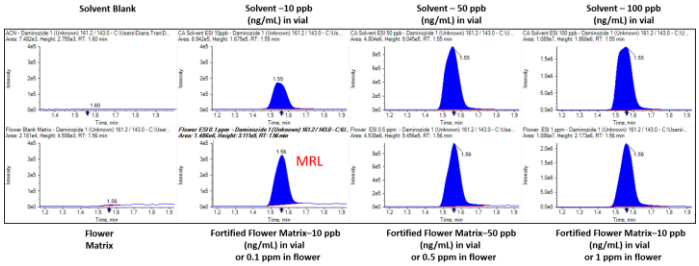
Pesticide and Mycotoxin Results in 26 Minutes

Example data is shown in cannabis flower extract fortified with pesticide standards at or below the state designated limits for inhalable products.

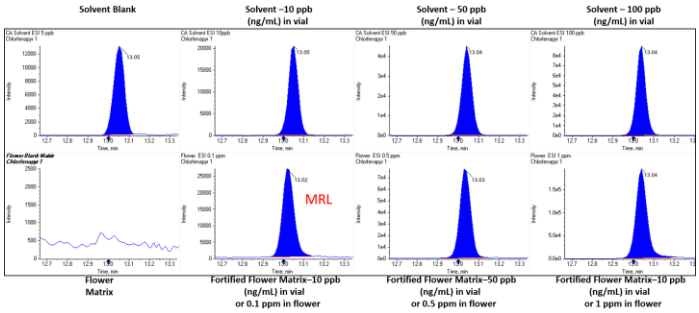
Abamectin (Avermectin B1a)



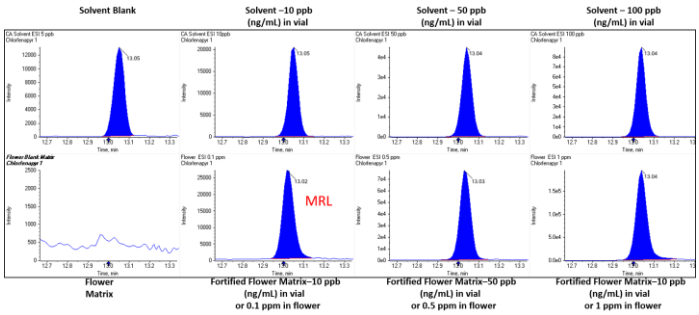
Daminozide



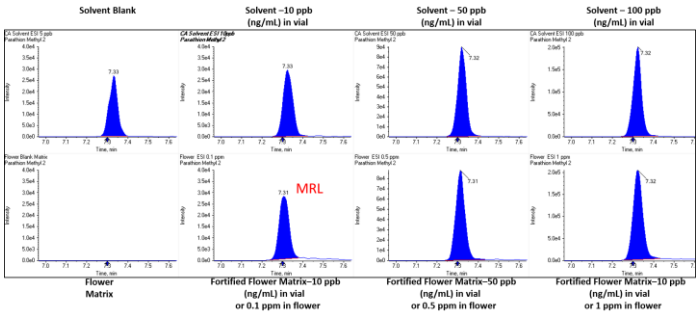
Chlorfenapyr



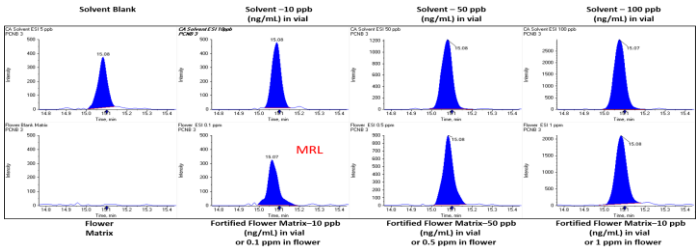
Chlordane



Methyl Parathion



Pentachloronitrobenzene



WHY SCIEX?

Expert Support

Tailored options for application, software and service support. Training with experienced application scientists at a SCIEX location or onsite at customer location.

SCIEXUniversity

Flexible self-paced training programs online with lecture, diagrams and presentations optimized for customer success.

Cannabis Training Classes

Focused on quantitative pesticide analysis in cannabis products, using SCIEX Triple Quad™ and QTRAP® systems. It is delivered at a SCIEX location by an experienced SCIEX instructor. A combination of instructor-led and hands-on approaches are used.

On-Site Application Support

In-person and hands on training at the customer location by one of our skilled application scientists. The training program is tailored and customized to each organization's need.

AB Sciex is doing business as SCIEX.

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