

# Pesticide Residue Analysis in Cannabis with the 8890/7010B GC/TQ System

eMethod G5278AA#010

## Background information

This eMethod is designed for the analysis of 27 GC amenable pesticides in cannabis as listed by US and Canadian requirements. The eMethod defines single stream (LC/MS and GC/MS) sample preparation and includes a list of expertly selected consumables and supplies. It also provides ready-to-run, optimized analytical methods for the separation and reliable detection of the targeted pesticides under 20 minutes. The same method was used in the application note below and provided excellent calibration, precision, accuracy and LOQ data to demonstrate the reliable measurements of difficult analytes such as captan and PCNB.

## Instrument configuration

Agilent 8890 GC with the 7010B Mass Spectrometer and 7693 Automatic Liquid sampler (ALS)

The GC includes MMI inlet and mid-column backflush, fast ramping oven and PSD Module for CFT pneumatic switching. The 7010B MS was configured in EI mode. The MassHunter Software was used for acquisition (10.0) and data analysis (10.1).

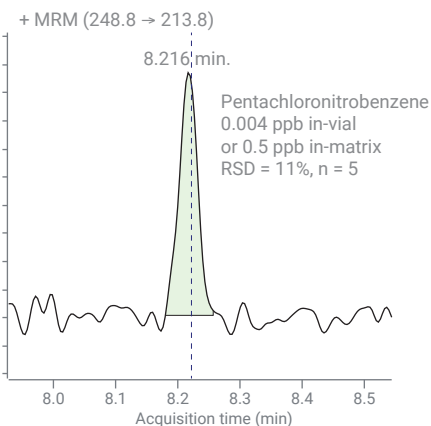
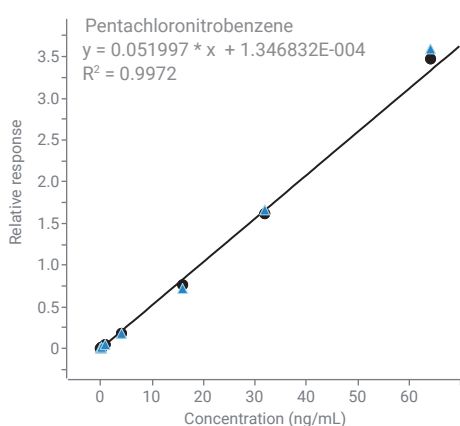


## Application note



### Analysis of the Twenty-Seven GC-Amenable Pesticides Regulated in the Cannabis Industry in North America with the Agilent 8890/7010B Triple Quadrupole GC/MS System

#### Calibration and Detection of Pentachloronitrobenzene (PCNB) at LOQ Level



For more information visit <http://www.agilent.com/chem/cannabis-testing-ethods>

Agilent products and solutions are intended to be used for cannabis quality control and safety testing in laboratories where such use is permitted under state/country law.

DE.5346412037

This information is subject to change without notice.

© Agilent Technologies, Inc. 2020  
Published in the USA, June 1, 2020  
5994-2105EN