

Residual Solvent Testing with the Intuvo/5977 Headspace GC/MS System

Application Note Abstract

This Application Note describes the analysis of 21 residual solvents as listed by the California Bureau of Cannabis Control. It provides quantitation ranges from 0.15 to 20ppm for Category I and 20-6000ppm for category II analytes. This exceptional range was achievable by using skillfully selected sample preparation protocols (salting out) and novel static headspace GC/MS parameters, resulting in an efficient 20 minutes cycle time. Detailed calibration results, intra-day and inter-day accuracy and precision along with LOD and LOQ information also presented.

Instrument configuration

Agilent 7697A Headspace Sampler, the Intuvo 9000GC and 5977B MS.



The GC was equipped with a MMI inlet and mid-column backflush.

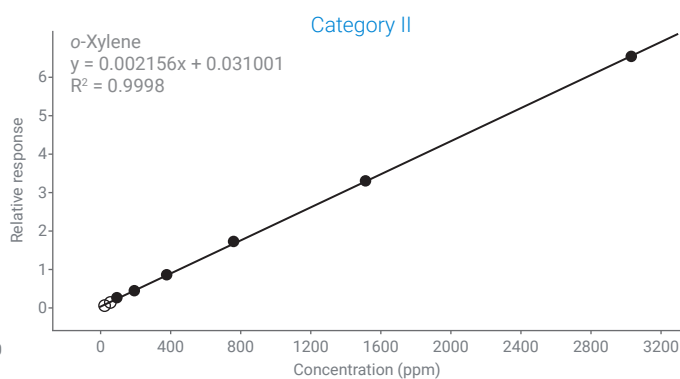
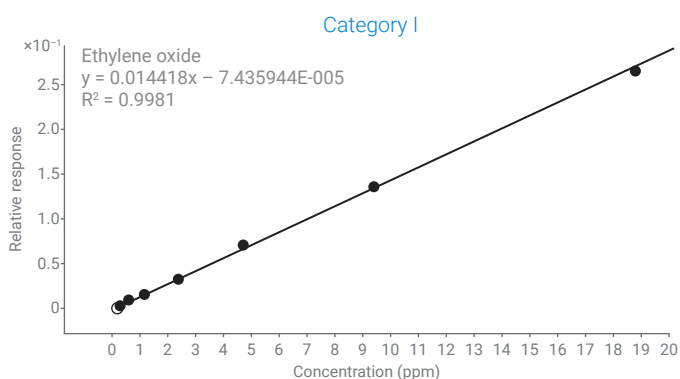
The 5977B MSD was equipped with an Extractor ion source operated in EI SIM mode. The MassHunter 10.0 SW was used for acquisition and the 10.1 for data analysis.

Detailed application note



Novel Residual Solvents Analysis of Cannabinoid Products with the Agilent Headspace-GC/MS system

Calibration of Class I and Class II Residual Solvents



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.

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