

GAS CHROMATOGRAPHY MASS SPECTROMETRY (GC-MS)

Testing Performed At: The Center for Forensic Science Research and Education at the Fredric Rieders Family Foundation (Willow Grove, PA, USA)

Sample Preparation: Drug Materials: Dilution in methanol or acid / base extraction
Drug Standards: Dilution in methanol

Instrument: Agilent 5975 Series GC/MSD System

Column: Agilent J&W DB-1 (12 m x 200 μ m x 0.33 μ m)

Carrier Gas: Helium (Flow: 1.46 mL/min)

Temperatures: Injection Port: 265 °C, Transfer Line: 300 °C
MS Source: 230 °C, MS Quad: 150 °C,
Oven Program: 50 °C for 0 min, 30 °C/min to 340 °C for 2.3 min

Injection Parameters: Injection Type: Splitless, Injection Volume: 1 μ L

MS Parameters: Mass Scan Range: 40-550 m/z
