GC-MS

Apparatus: Clarus 680- Clarus SQ 8T, Perkin Elmer

Description: The GC-MS (Clarus 680- Clarus SQ 8T, Perkin Elmer) equipped with a Paraffins-Olefins-Naphthenes-Aromatics (PONA) column (Agilent HP-PONA) can analyze the composition of the liquid samples. The components are separated by the column when the oven temperature is ramped following a designed temperature profile. The signal due to each component is detected by MS. The qualification and quantification of these components are executed based on the obtained spectra.

- Heating up rate up to 200 ℃/min

- Cooling down rate up to 65 ℃/min

- High sensitivity: EI full scan, 1 pg of octafluoronaphthalene, S/N > 800:1

- Mass range: 1.0～1200 amu

- Scan rate fully variable up to 12,500 amu/sec

- Mass stability ± 0.1 m/z over 48 hours

Charging Standard (Per sample):

$100 (Internal) $200 (External academic) $400 (Industry user)

Current Situation:

It's in good condition for service.

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