Specifications

Automated Sampler, Concentrator and Sample Preparation and Extraction Platform

Scope:

This requirement is for an Automated Sampler, Concentrator and Sample Preparation and Extraction Platform capable of fully integrating with an existing Agilent Gas Chromatography/Mass Spectrometry (GC/MS) System.

Salient Characteristics:

Automated Platform must have the following characteristics:

- Robotic tool change for multiple step sample prep workflows
- Tools for syringes 1 µL-10 mL and pipettes 20, 200,1000 µL volume ranges
- Solvent storage in mL to L scale
- Sample storage for vials 2, 10, 20 mL, up to 10 MTPs, ambient or temperature-controlled 4-40 °C
- Heating/shaking for MTPs and vials 2, 10, 20 mL for incubation & derivatization
- Centrifuges with up to 5000 RCF
- µSPE (Solid Phase Extraction)
- Barcode scanner
- Gripper Tool for pick and place applications
- Core methods for defined sample prep included
- S/W tools to create or modify workflows
- Local control or integration into OEM specific S/W