

Gas Chromatograph (GC) - Bench top Mass Selective Detector (MSD) with CI option

Brand: Agilent, USA Model: 7890B GC – 5977B MSD with Chemical ionization (CI) option

General Usage:

The GC-MSD can be used to separate, identify and quantify the organic compounds that are volatile enough to be vaporized without decomposition in the GC inlet. With the help of the built in mass spectral library, the components in the sample could be identified. The sample should be in the liquid form. Organic compounds in aqueous sample matrix should be extracted and dissolved in organic solvent before using the instrument.

Configuration:

This GC-MSD in ENVF can be operated in either EI or CI mode and it is equipped with two split/splitless injectors (ambient to 400 °C), an automatic liquid sampler, a Flame Ionization Detector (FID). The MSD accepts capillary column up to 0.32 mm ID whereas the FID accepts column ID up to 0.53 mm. There is no pack column option.

Application:

Determine organic compounds in aerosol, water, soil, etc.

Remarks: User is encouraged to use their own GC Column and liner to avoid cross contamination. ENVF do not have specific dimension and polarity column. ENVF do not guarantee the cleanliness and baseline flatness of the column provided by ENVF.

