

Benzene, Toluene, and Total Aromatics in Finished Gasoline by Gas Chromatography/Mass Spectrometry

ASTM D5769

Configuration of an Agilent Technologies 7890N Series Gas Chromatograph with a 5975 mass selective detector (MSD) for the determination of benzene, toluene and total aromatics in finished gasoline per ASTM D5769. System allows for fast run time, approximately 10 minutes.

A specialized ChemStation for GC/MS report will be developed to output both volume and weight percent values.

Include: the following installed hardware:

- Special analytical column for fast analysis
- Specialized liner for fast analysis
- Low volume syringe for AutoSampler
- Necessary restrictions and fittings
- Daily check standard vials for use during installation, one set for on-site use
- Calibration standard set with 4 internal standards.

Also includes method development, test chromatograms, and documentation.

Performance warranted to ASTM D5769 specifications. On-site installation and training includes review of the calibration procedures on the GC/MS system. A portion of the calibration standards will be used during this training to insure the end-user is comfortable with the system.

Note *This application requires the user to have a working knowledge of GC/MS systems and software. Basic GC/MS training is available as an option.*