

# ASTM D3606 / D5580 - Analysis of Benzene and Toluene, BTEX and Total Aromatics in Gasoline

# **Analyzer Description**

## **Configuration:**

2-valve, 4-column (micro-packed and capillary), auxiliary oven, TCD / FID

#### Sample type:

Finished motor and aviation gasoline

# **Components separated:**

ASTM D3606: Benzene, toluene

ASTM D5580: Benzene, toluene, ethyl benzene, xylene, C9 and heavier aromatics, total

aromatics

### Concentration range:

ASTM D3606: 0.1 to 5 vol% for benzene, 2 to 20 vol% for toluene

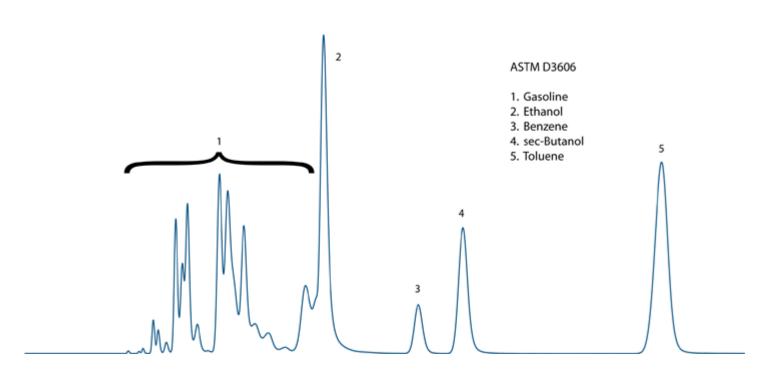
ASTM D5580: 0.1 to 5 vol% for benzene, 1 to 15 vol% for toluene, 0.5 to 10 vol% for individual  $C_8$  aromatics, 5 to 30 vol% for total  $C_9$  and heavier aromatics, 10 to 80 vol%

for total aromatics

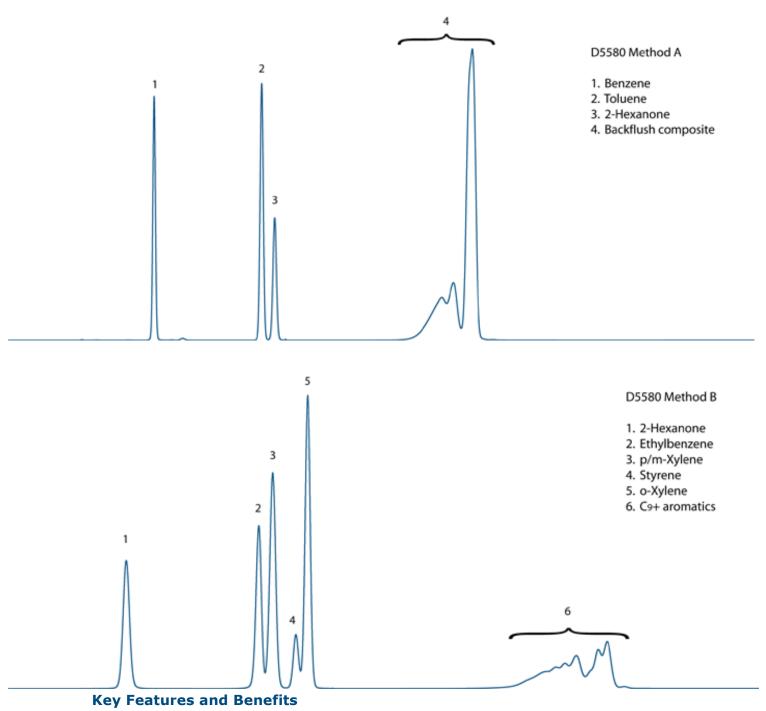
#### **Methods met:**

ASTM D3606, D5580, Wasson-ECE 256

## **Typical Chromatogram**







- The Wasson-ECE auxiliary oven allows for simultaneous analysis of both methods
- Multiple configurations are possible including the addition of ASTM D4815 to the same instrument