

# GS-Tek

## GS-Tek ANALYZER

Accuracy/High efficiency/Fast speed/Reliability



**Offer you an accurate and reliable analytical solution**  
**Diversified combinations and affordable system configuration**  
**Timely after-sales support service, your best partner**

The content of benzene and toluene in gasoline directly determines the quality of gasoline. Besides, BTEX have been classified as toxic compounds and it is significant to know their concentration in gasoline for evaluating health hazard to the people handling and using gasoline. A small amount of benzene in gasoline can increase its octane number but benzene, a carcinogen which enters the atmosphere due to evaporation or incomplete combustion, can harm people's health. Therefore, the content determination has become one of the basis for the quality control of finished gasoline products. The newly published National Fifth Stage vehicle gasoline standard requires that the benzene content in gasoline must be less than 1.0%.



## Analyzer of Benzene and Toluene in gasoline

Features of Analyzer:

1. TCD single channel detection
2. Stable packed-column system, reliable and durable



# Analyzer of Benzene and Toluene in gasoline

## Instrument configurations:

One valve and two columns (packed column) / TCD / liquid autosampler

Compliance with Test Method Standard:

ASTM D3606, SH/T 0713

Note: this system can be equipped to SHIMADZU and AGILENT host system.

Sample:

content determination of benzene and toluene in gasoline

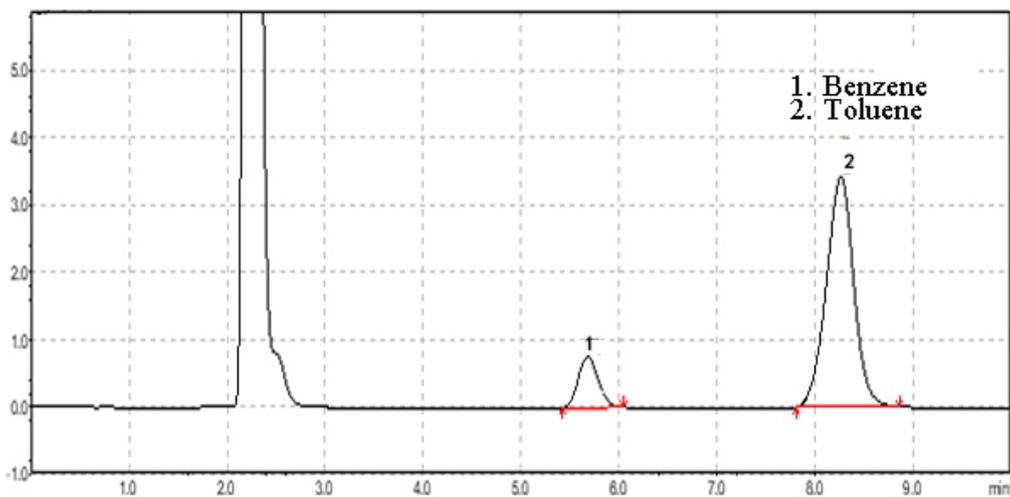
Target compounds:

benzene and Toluene

Detection sensitivity:

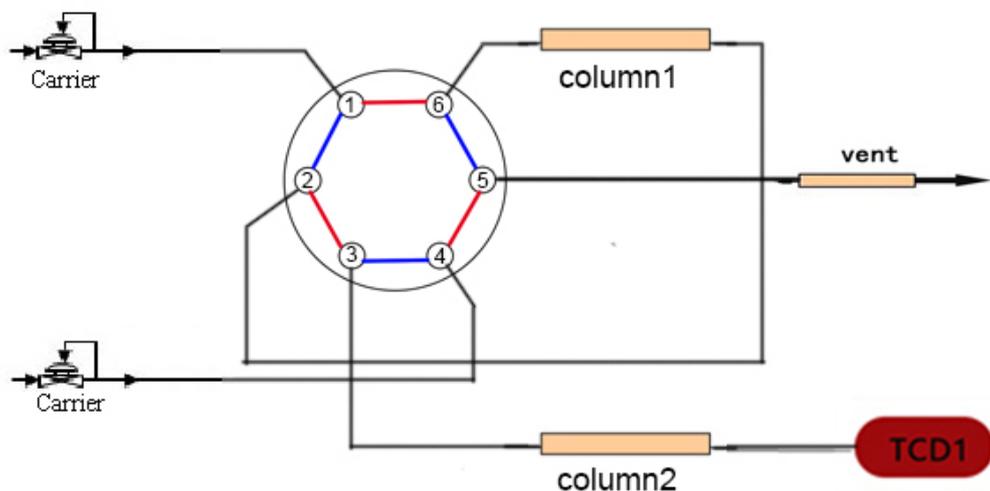
Benzene: 0.1-5%; Toluene: 2.0-20%

Typical chromatogram:



Typical chromatogram 1

Typical flow diagram:



## About us :

GS-Tek is a professional column and analyzer manufacturer, located in the beautiful state of Delaware, USA.

GS-Tek produces high-quality gas and liquid chromatography columns with excellent performance and first-class quality.

GS-Tek provides solutions and turnkey analyzers for customers and partners.

GS-Tek has 40+ year practical experience and professional knowledge in the field of chromatography and application development.

GS-Tek won the US President Award in 2014 and was listed in the 2015 US White House Trade Book.

GS-Tek has a worldwide sales network and supply system, for more information, please visit our website: [www.gs-tek.com](http://www.gs-tek.com)

## GS-Tek Misson:

Provide products with excellent quality and performance to customers.

Provide timely and effective technical support, competitive product price, and timely and fast product delivery to customers.

We help customers work on their challenging applications and provide high-quality service and professional technology to win the trust and support of users.

We believe that we not only sell products, but also want to become your trustworthy and reliable Partner.

## Contact:

GS-Tek

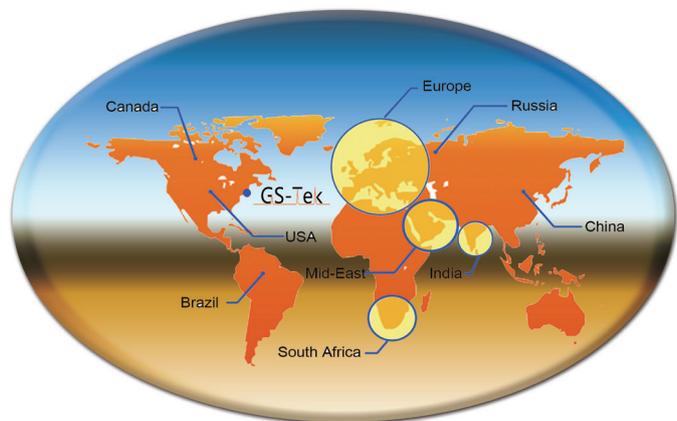
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