

PETROCHEMICAL

Gas Chromatographic analysis of benzene and oxygenate compounds in reformulated gasoline

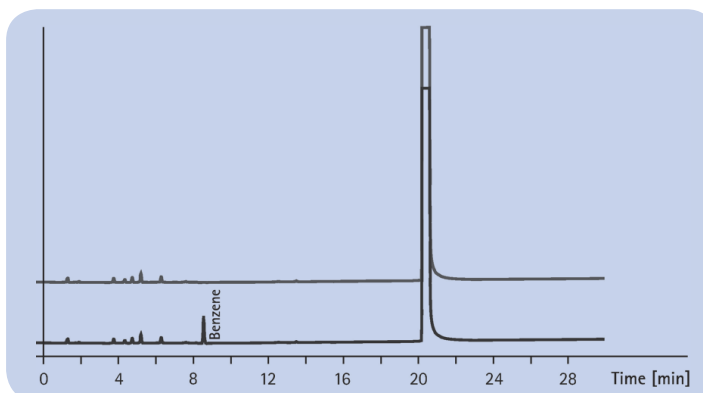
The measurement of benzene and oxygenate compounds in reformulated gasoline is a common application performed worldwide, both in on-site labs at industrial facilities and also in third-party testing labs. Benzene is listed as a potential carcinogen, and requires monitoring to ensure it is present below a regulated amount. reformulated gasoline contains oxygenates, which are oxygen-containing compounds added to increase combustion.

With Merck high purity solvents you are on the safe side for your sample preparation. Merck offers a wide range of different solvents in the SupraSolv® range to cover the gas chromatographic applications.

The Chromatogram of DMF Suprasolv® shows the high purity level needed to perform the accurate analysis of benzene.

Your benefits:

- Accurate, reliable and reproducible results due to minimal signal-to-noise ratio
- Time and cost savings due to the best possible batch consistency
- The most comprehensive application area due to the largest retention time range



Chromatogram of DMF Headspace SupraSolv® without addition compared to a chromatogram of DMF Headspace SupraSolv® with 0,8 pp benzene



Product	Content	Packaging	Cat. No.
Acetone for gas chromatography ECD and FID SupraSolv®	2.5 L	Glass bottle	1.00012.2500
Acetonitrile for gas chromatography ECD and FID SupraSolv®	2.5 L	Glass bottle	1.00017.2500
Dichloromethane for gas chromatography ECD and FID SupraSolv®	2.5 L	Glass bottle	1.06054.2500
Dichloromethane for gas chromatography MS SupraSolv®	2.5 L	Glass bottle	1.00668.2500
Ethyl acetate for gas chromatography ECD and FID SupraSolv®	2.5 L	Glass bottle	1.10972.2500
Isooctane for gas chromatography ECD and FID SupraSolv®	2.5 L	Glass bottle	1.15440.2500
Methanol for gas chromatography ECD and FID SupraSolv®	2.5 L	Glass bottle	1.06012.5000
n-Hexane for gas chromatography ECD and FID SupraSolv®	2.5 L	Glass bottle	1.04371.2500
Petroleum benzine boiling range 40–60 °C for gas chromatography ECD and FID SupraSolv®	2.5 L	Glass bottle	1.01772.2500
tert-Butyl methyl ether for gas chromatography ECD and FID SupraSolv®	2.5 L	Glass bottle	1.01995.2500
Toluene for gas chromatography ECD and FID SupraSolv®	2.5 L	Glass bottle	1.08389.2500

Additional pack sizes and products are available depending on your need. Please contact your local VWR organization for more information.