

# Analysis of Methyl Ethyl Sulfide (MES) in Natural Gas using the Agilent 490 Micro GC

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## Application Note

Micro Gas Chromatography, Natural Gas Analysis, Sulpher Compound Analysis



## Introduction

This application note shows the analysis of Methyl Ethyl Sulfide (MES) in natural gas using the Agilent 490 Micro GC. Methyl Ethyl Sulfide is an organosulfur compound with a characteristic odor, and therefore used in some countries as an odorant for natural gas.

This Micro GC column channel is equipped with a special dedicated column, MES in natural gas, for the separation of MES from the other compounds in natural gas. Moreover, this column channel is factory tested to ensure the separation between n-Decane and MES.

If you want to the ability to measure anywhere and get the results you need in seconds, the Agilent 490 Micro GC is the ideal solution. With its rugged, compact, laboratory quality gas analysis platform, the 490 Micro GC generates more data in less time for faster, and better, business decisions.



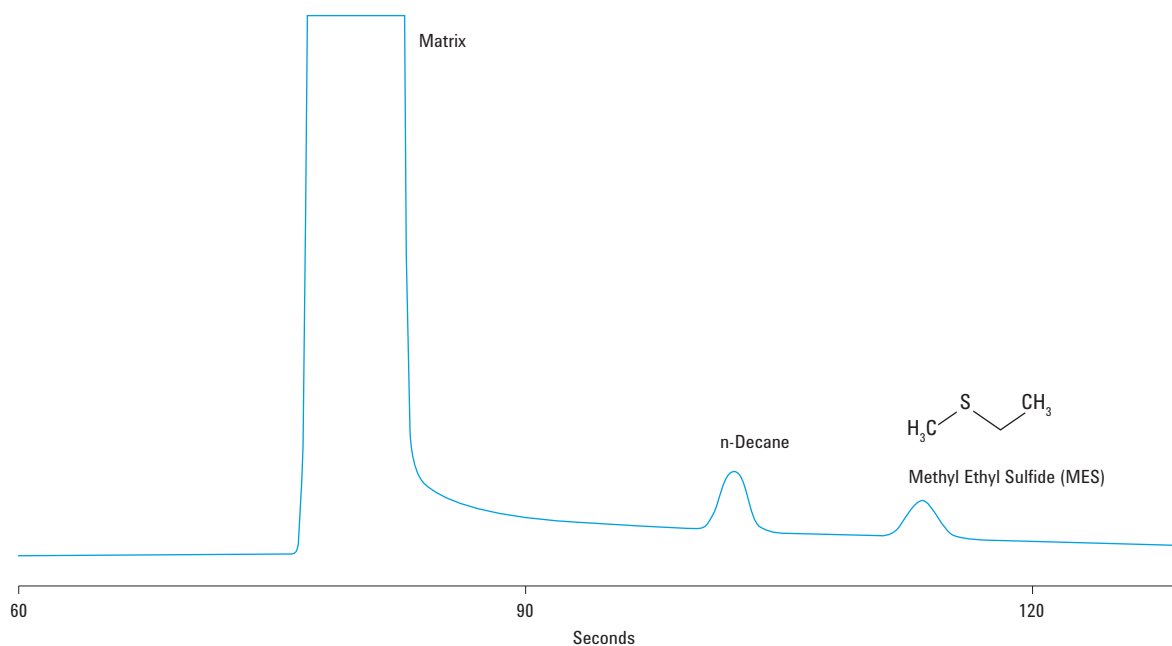
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## Instrumentation

Instrument	Agilent 490 Micro GC (G3581A)
Column channel	MES in natural gas
Column temperature	90 °C
Carrier gas	Helium, 70 kPa
Injection time	255 msec
Injector temperature	110 °C
Sampling time	30 sec

## Sample information

n-Decane	11 ppm
Methyl Ethyl Sulfide (MES)	14 ppm



## For More Information

These data represent typical results. For more information on our products and services, visit our Web site at [www.agilent.com/chem](http://www.agilent.com/chem).

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