

Analysis of Acetone, Methanol, and Ethanol in Air using the Agilent 490 Micro GC

Application Note

Micro Gas Chromatography, Environmental Analysis

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Introduction

This application note shows the analysis of acetone, methanol, and ethanol in an air matrix using the Agilent 490 Micro GC equipped with a CP-Wax 52 CB column channel. The advantage of the Agilent 490 Micro GC, in combination with the CP-Wax 52 CB column channel, is the ease-of-use and the speed of analysis. The analysis is performed in less than 30 seconds.

The Agilent 490 Micro GC can optionally be equipped with a portable field case. This self-contained field case can be used to measure at a location where no carrier gas or power is available. Build-in gas cylinders and rechargeable batteries provide up to eight hours productive field time.

The Agilent 490 Micro GC delivers lab-quality separations in an ultra-compact, portable instrument. You get the results you need in seconds – for faster, better decision making, and confident process control.



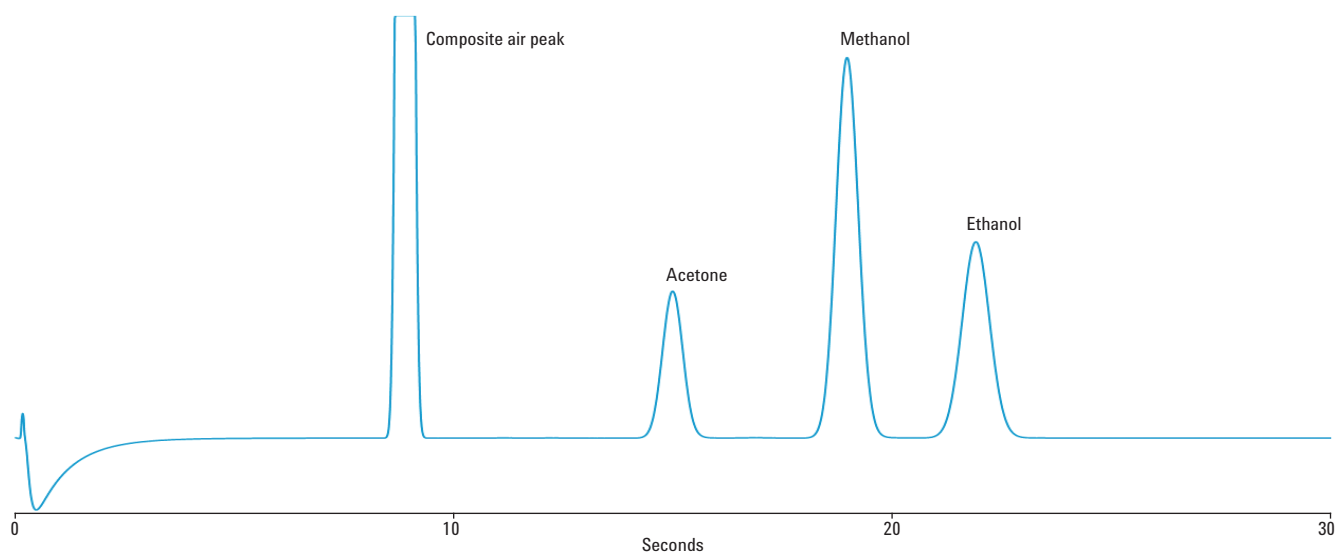
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Instrumentation

Instrument	Agilent 490 Micro GC (G3581A)
Column channel	CP-Wax 52 CB, 4 m
Column temperature	60 °C
Carrier gas	Helium, 150 kPa
Injector temperature	110 °C
Injection time	40 msec

Sample information

Air	Matrix
Acetone	0.07 %
Methanol	0.31 %
Ethanol	0.16 %



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.

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