



## Mineral oil in soil

# Fast analysis of diesel as mineral oil in soil

## Application Note

Environmental

### Authors

Agilent Technologies, Inc.

### Introduction

GC analysis of mineral oil in soil is accomplished in less than three minutes using the Agilent Select Mineral Oil column, allowing determination of C<sub>10</sub> to C<sub>40</sub>.

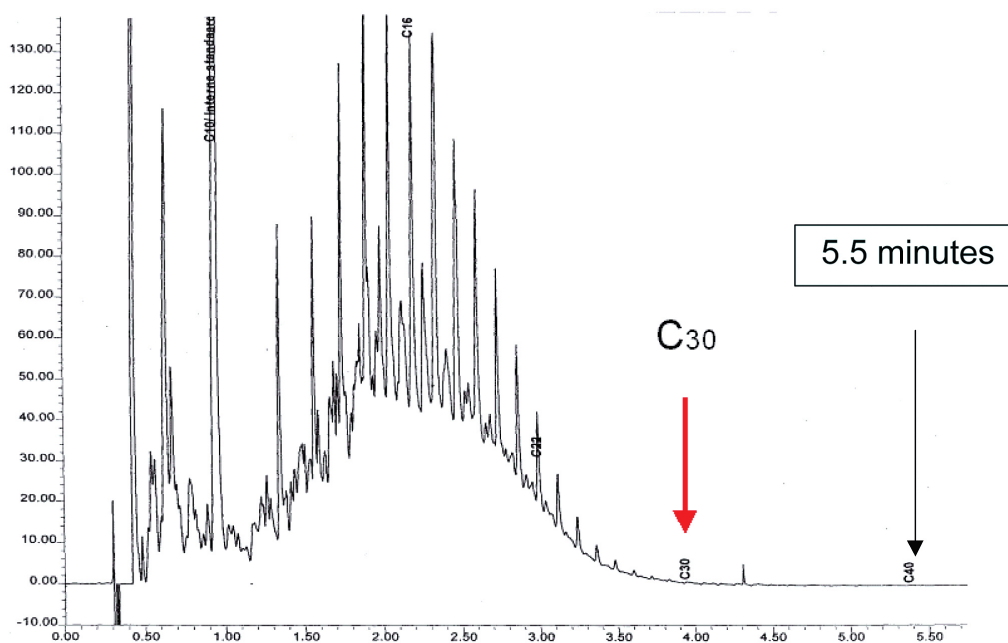


**Agilent Technologies**

## Conditions

Technique : GC  
Column : Agilent Select Mineral Oil, 0.32 mm x 15 m fused silica (optimized filmthickness) (Part no. CP7491)  
Temperature : 55 °C → 320 °C, ballistic temperature program  
Carrier Gas : Helium, 70 kPa  
Injector : On-column  
Detector : FID  
Sample Size : 1.0 µL  
Concentration Range : Diesel contaminated soil

Courtesy : J. Volkers and J. de Smit, Analytico, Barneveld, The Netherlands



[www.agilent.com/chem](http://www.agilent.com/chem)

This information is subject to change without notice.

© Agilent Technologies, Inc. 2011

Printed in the USA

31 October, 2011

First published prior to 11 May, 2010

A02025



**Agilent Technologies**