

# QUALITATIVE AND QUANTITATIVE VOC ANALYSIS IN FIELD

A polluted air sample is analyzed in this application. 36 volatiles with a concentration of 4mg/m<sup>3</sup> are separated and identified with a cycle time lower than 10 minutes.

**Technique :**  $\mu$ -TD /  $\mu$ -GC / MS

**Sampling conditions with  $\mu$ -TD :**

Tenax TA 150 mg ; 30 seconds ; 300 mL.min<sup>-1</sup> ; 40°C

**Desorption temperature :** 230°C



	<b>Channel A</b>	<b>Channel B</b>
<b>Column :</b>	OV-1	Stabilwax
<b>Carrier gas :</b>	helium	helium
<b>Injector temperature :</b>	90°C	90°C
<b>Column temperature :</b>	70°C	70°C
<b>Injection time :</b>	50 ms	50 ms
<b>Column pressure :</b>	25 psi	25 psi
<b>TCD sensitivity :</b>	high	high

**Interface temperature :** 150°C

**MSD :** full scan



