

QUALITATIVE AND QUANTITATIVE VOC ANALYSIS IN FIELD

A polluted air sample is analyzed in this application. 36 volatiles with a concentration of 4mg/m³ are separated and identified with a cycle time lower than 10 minutes.

Technique : μ -TD / μ -GC / MS

Sampling conditions with μ -TD :

Tenax TA 150 mg ; 30 seconds ; 300 mL.min⁻¹ ; 40°C

Desorption temperature : 230°C



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

Interface temperature : 150°C

MSD : full scan



