Gases
Fast analysis of gases at a garbage dump

Application Note

Environmental

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Introduction
Gas chromatography using an Agilent 490 Micro GC with an Agilent PoraPLOT column analyzes air samples taken near a garbage dump for methane, hydrogen sulfide and carbon dioxide in 70 seconds.
**Conditions**

- **Technique**: Micro-GC
- **Column**: Agilent PoraPLOT, 0.25 mm x 10 m PLOT (Part no. CP738050)
- **Temperature**: 65 °C
- **Carrier Gas**: He, 150 kPa (1.5 bar, 21 psi)
- **Heated injector**: no
- **Injection time.**: 100 msec
- **Matrix**: air

**Peak identification**

1. air
2. methane
3. carbon dioxide
4. hydrogen sulfide about 15000 ppm
5. water