Datasheet

Micro GC Fusion® Biomethane Application

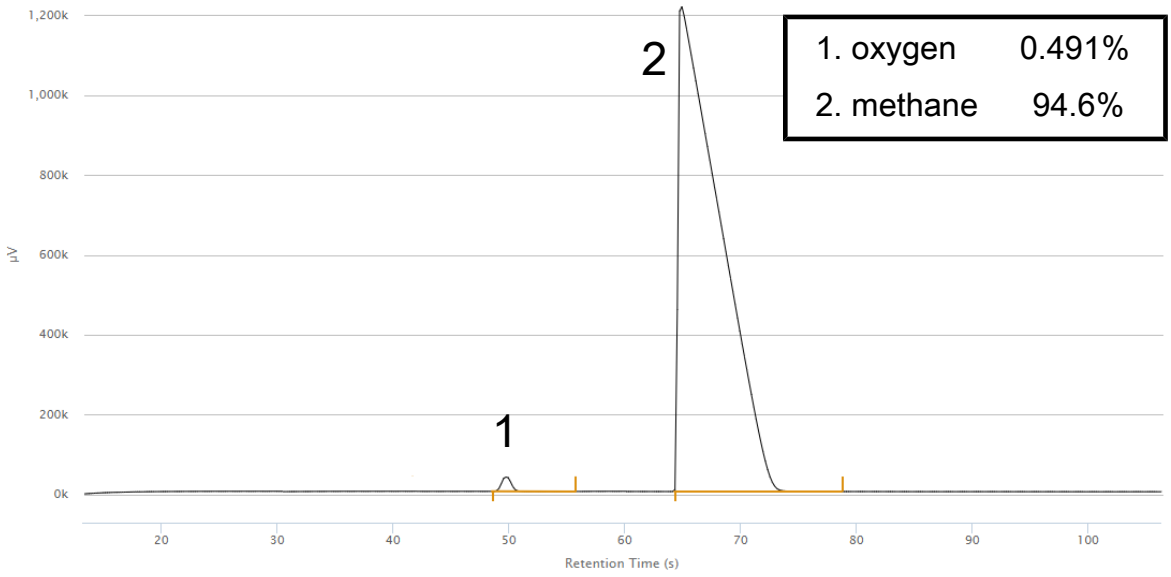
Starting Parameters

The following parameters can be used as a starting point for creating a method and can be adjusted to ensure all compounds are fully separated. The exact retention times vary from GC to GC, but the compound order remains the same.

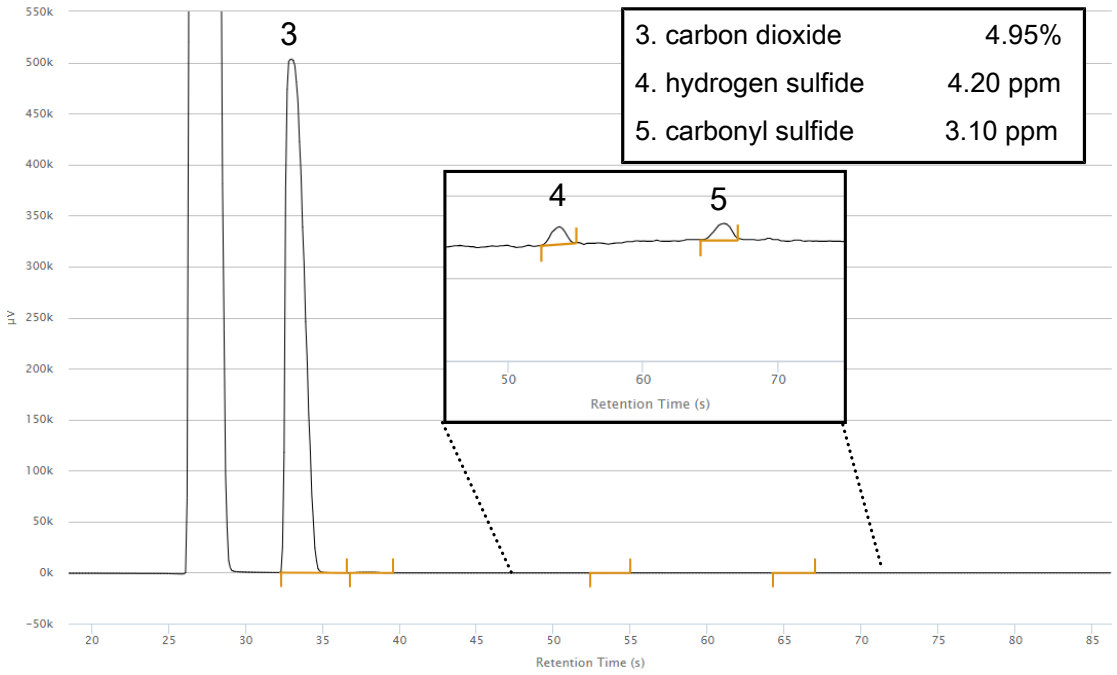
Method Parameter	Module A: 10 m RT-Molsieve Backflush Injector (GCM-W02)	Module B: 12 m RT-U-Bond Large Variable Volume Injector (GCM-UR4)	Module C: 4 m CP-Sil 19CB Large Variable Volume Injector (GCM-UM4)
Inject Time	30 ms	60 ms	250 ms
Backflush Time	8 s	N/A	N/A
Enhanced Injection	N/A	Yes, 30 psi	Yes, 40 psi
Injector Temperature	90°C	55°C	55°C
TCD Heater	70°C	60°C	60°C
Column Pressure	30 psi, 99.999% helium	25 psi, 99.999% helium	19 psi, 99.999% helium
Data Rate	25 Hz	25 Hz	25 Hz
Column Temperature	100°C (120 s)	60°C (120 s)	65°C (15 s) -->100°C (18 s), 5°C/s
Sample Pump Time	5 s	5 s	5 s
Sample Inlet	Disabled	Disabled	Disabled

Chromatograms

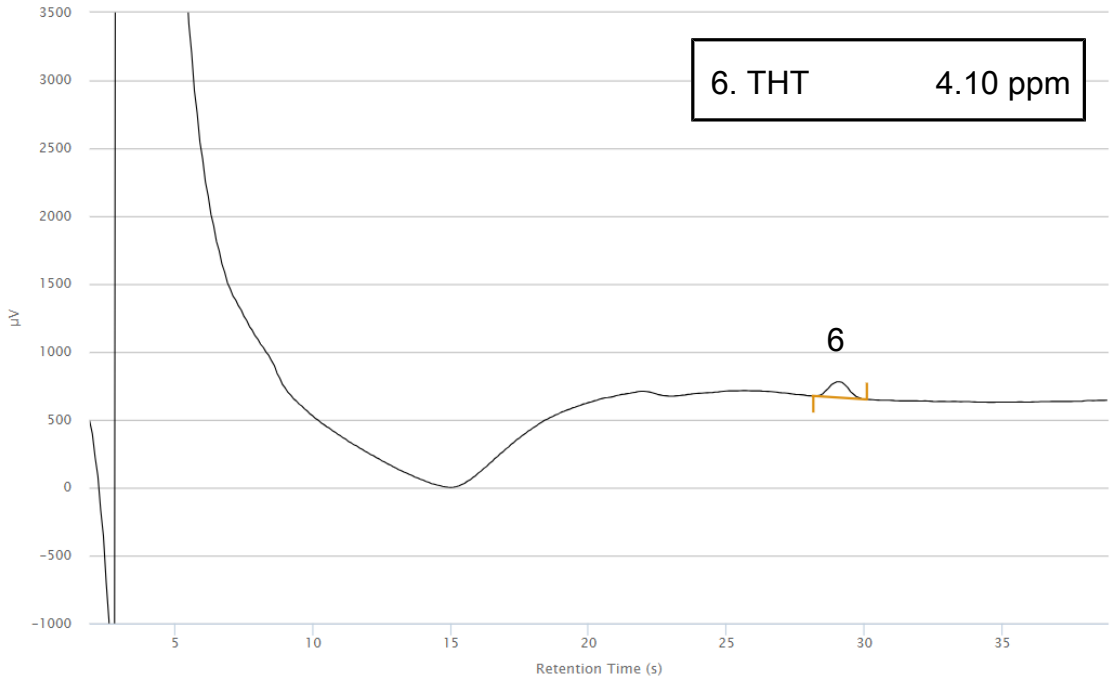
Module A Chromatogram – 10 m RT-Molsieve, Backflush Injector



Module B Chromatogram - 12 m RT-U-Bond, Large Variable Volume Injector



Module C Chromatogram - 4 m CP-Sil 19CB, Large Variable Volume Injector



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