

VERY FAST H₂ & O₂ ANALYSIS WITH MICRO-GC

Technique : Micro-GC

Column : MS5Å

Carrier gas : Nitrogen

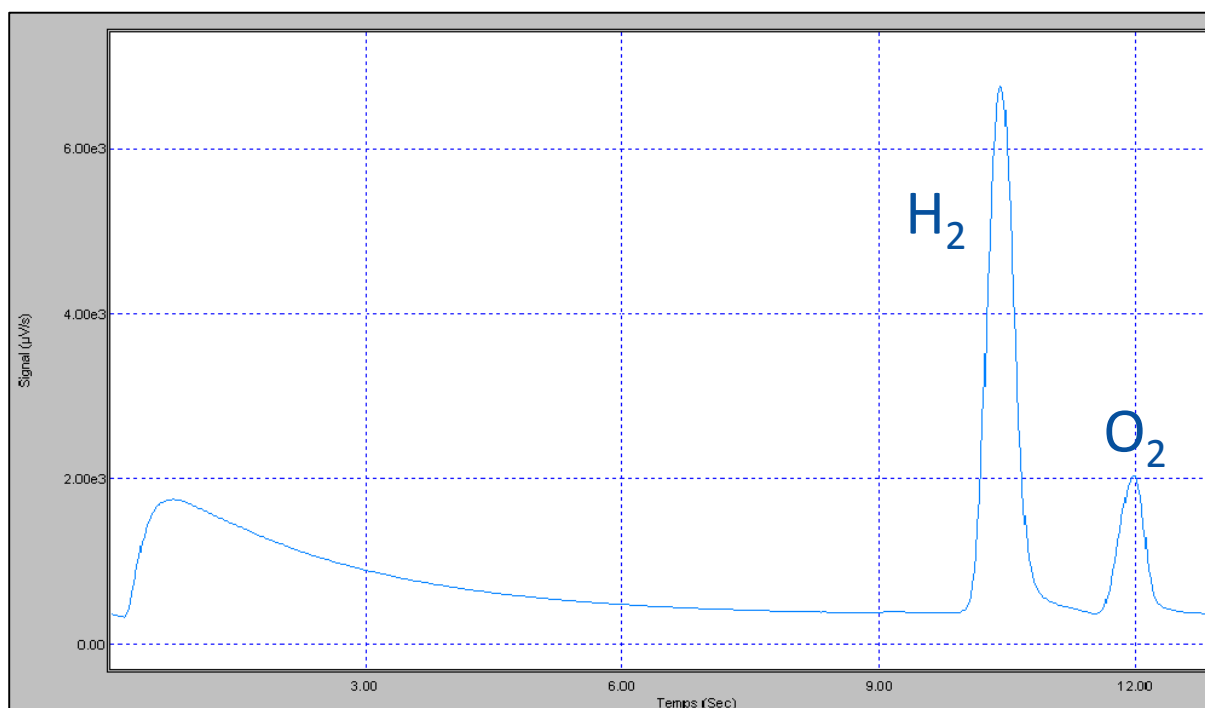
Injector temperature : non heated

Injection time : 50 ms

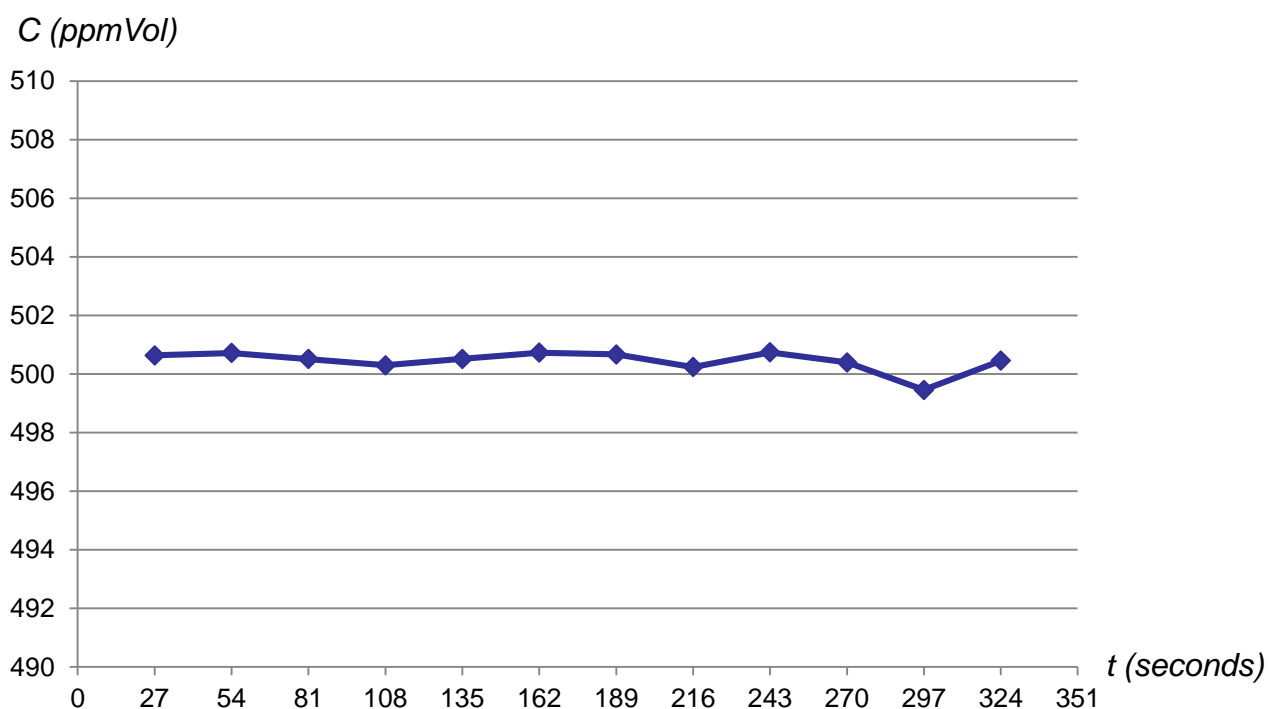
Column temperature : 100°C

TCD sensitivity : standard

Column pressure : 20 psi



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*Measurement of the same amount of hydrogen
(~ 500 ppmVol) during the time.*

One hundred analyses of the same sample were used to check repeatability in term of concentration and time of analysis :

RSD = 0.08 %

Full cycle time = 27 sec (injection time + chromatographic separation + software treatment)