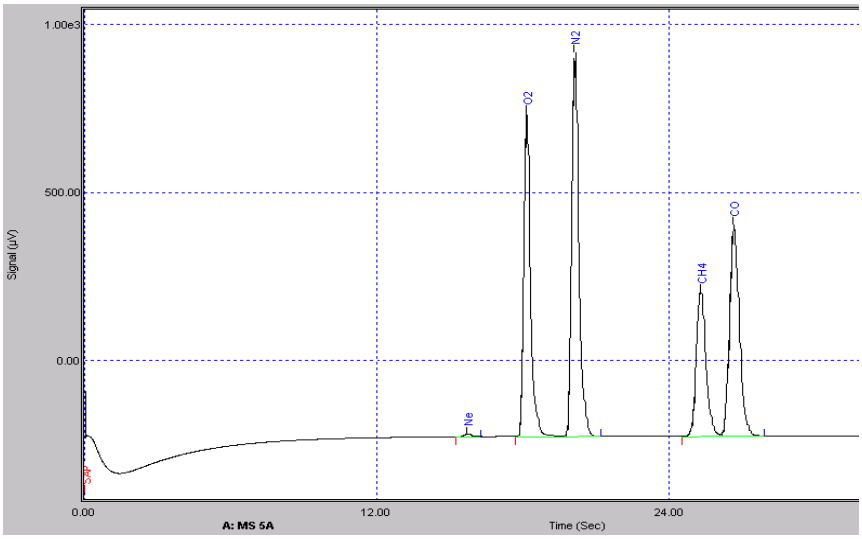
SRA INSTRUMENTS
CHROMATOGRAPHIC SOLUTIONS

APPLICATION NOTE AA0601-032

FAST ANALYSIS OF Ne, O_2, N_2, CH_4 AND CO

Technique : Micro-GC

Column : Tamis 5Å
Carrier gas : Argon
Column temperature : 130°C
Injection time : fixed
Column pressure : 22 psi
µTCD sensitivity : Standard



The Micro-GC is a powerful solution that provides fast, accurate and easy-to-use solution to analyze your gas sample.

A wide range of capillary columns and MEMS injectors are available to optimize channel combinations inside the Micro-GC to obtain the desired separation. The µTCD is the high-performance universal detector used in such systems. A parallel analytical configuration of the channels or analytical modules will allows the sampling of a small amount of gas sample and simultaneous injection in all channels to develop up to 4 chromatograms and one cumulative report..

SRA Instruments is the ideal Partner with specific competences to develop with you turn key solutions based on optimized Micro-GC, accessories and dedicated software utility or report calculations for specific plant context.

Compound	RT (sec)	Concentration (%)
Ne	15.73	0.043%
O2	18.15	4.941%
N2	20.13	5.334%
CH4	25.29	3.807%
CO	26.65	4.760%

Some examples of applications are:
gas coke analysis, biogas, syngas, refinery and fuel gas, natural gas, fuel cells.

More information : www.sra-instruments.com

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