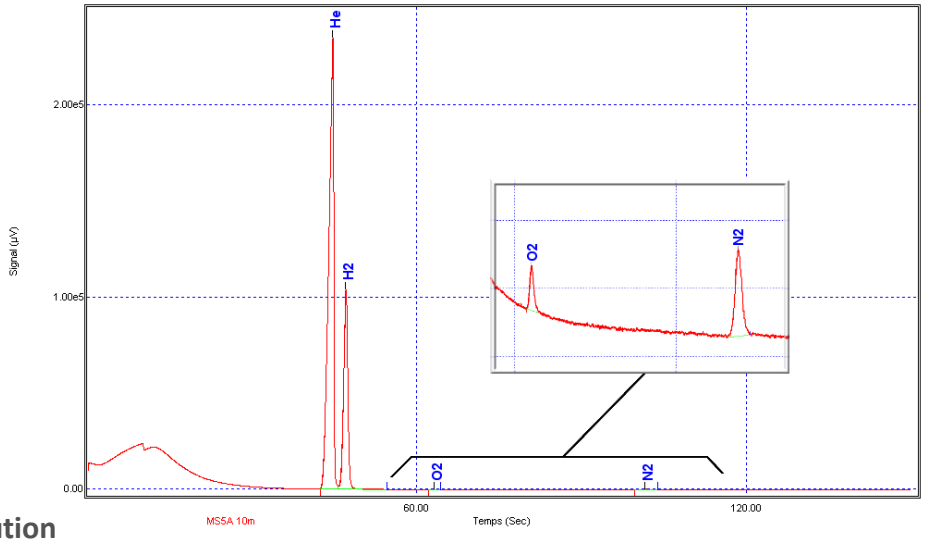
SRA INSTRUMENTS
CHROMATOGRAPHIC SOLUTIONS

APPLICATION NOTE AA0708-048

HELIUM/HYDROGEN SEPARATION IN HIGH CONCENTRATION LEVEL

Technique : Micro-GC

Column : Tamis 10m
Carrier gas : Argon
Injector : BF
Column temperature : 45°C
Backflush time : 10 s
Column pressure : 28 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.

#	RT (sec)	Concentration (%)
He	44.7	73.14%
H_2	47.06	27.78%
O_2	63.15	0.02%
N_2	101.62	0.06%

More information : www.sra-instruments.com

SRA INSTRUMENTS
210 rue des sources - 69280 Marcy l'Etoile - FRANCE
T +33 (0)4 78 44 29 47 - F +33 (0)4 78 44 29 62