

Application ChromArgon He, H₂, O₂ and N₂ in Argon

Operating conditions :

Carrier gas: Ar: 10 mL/min

Oven 1: Column 1 : Molecular Sieve 5Å; Temperature= 40°C

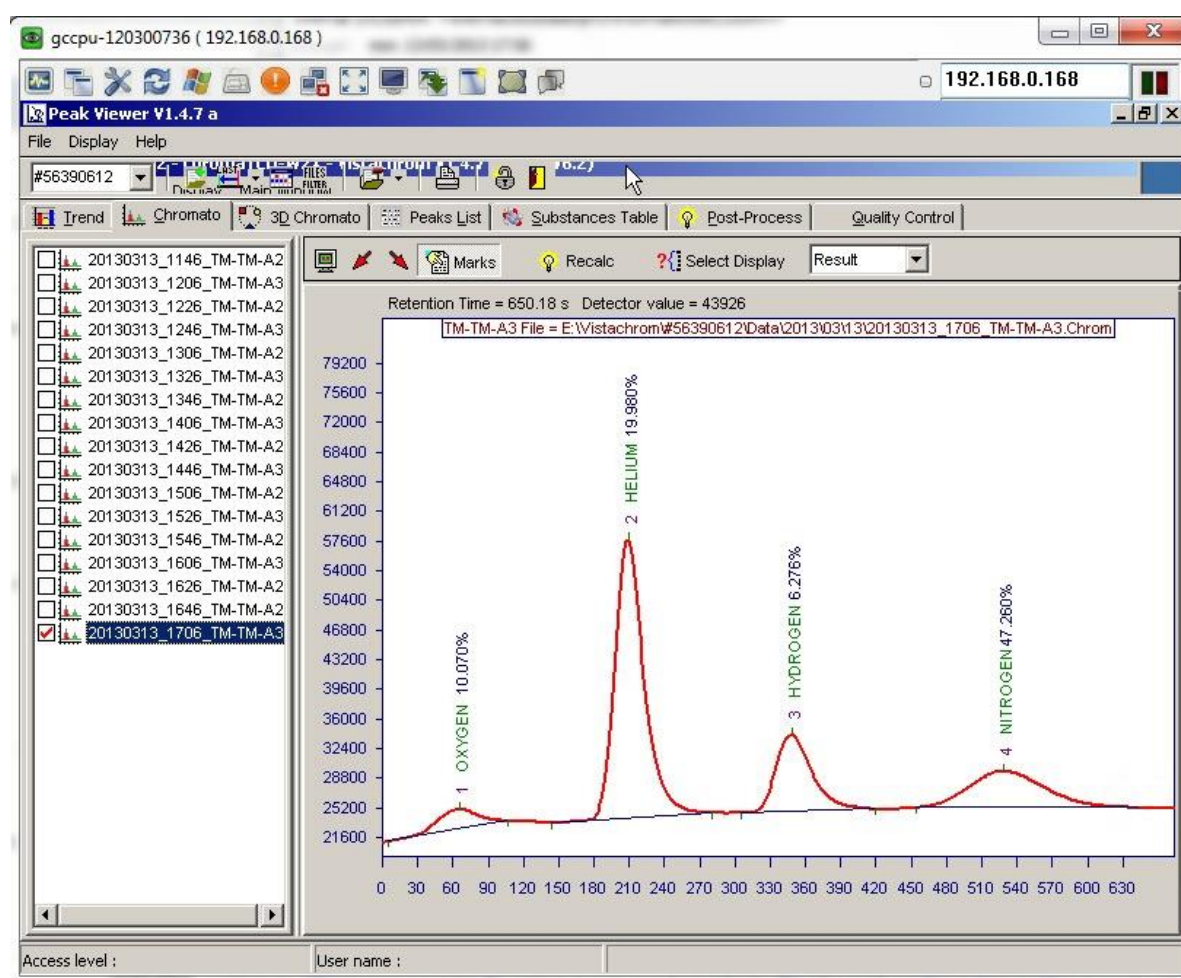
Oven 2: Column 2 : Molecular Sieve 5Å; Temperature= 40°C

Injection : 0.1 mL loop

Detector : Thermal Conductivity Detector (TCD)

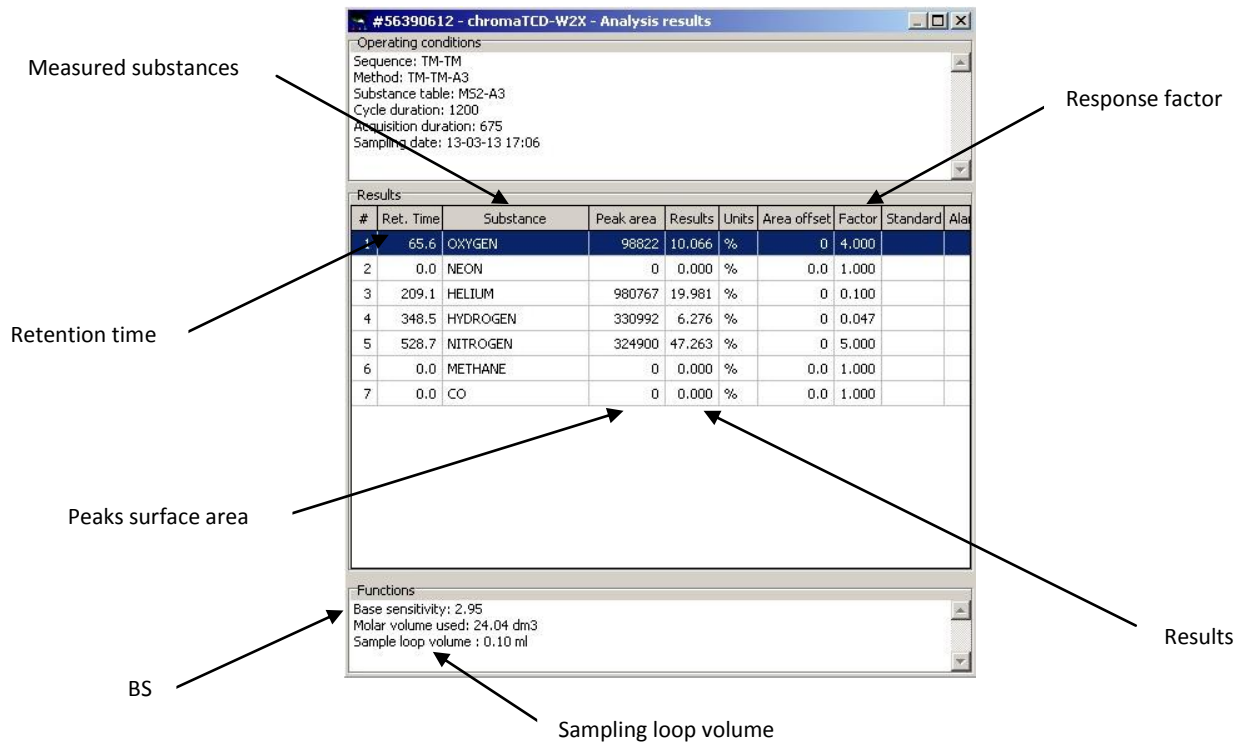
sample: mix of He, H₂ and Air

Amplification: 3



Above results are obtained with above conditions on the 13/03/2013

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LDL Calculation:

Range high ppm to % level with loop 0.1 mL and amplification 3 :

H₂ area= 330 992 = 62 760 ppm; for min area=500, LDL= 94.8 ppm

Range ppm level with loop 1 mL and amplification 3 :

LDL for H₂= 9.48 ppm (=94.8/10)

Special application for low ppm level :

LDL for H₂ ≤ 2 ppm

Les différents paramètres sont ajustés en fonction des demandes.

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