GreenHouse Gas GC configuration November 2008

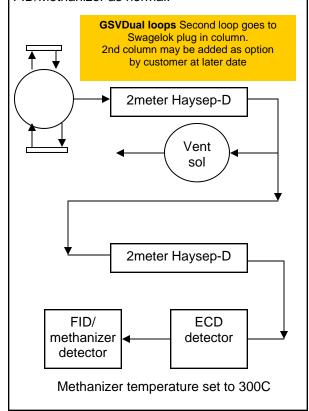
The SRI GreenHouse Gas GC configuration consists of an Electron Capture Detector (ECD) and a Flame Ionization Detector (FID) plus Methanizer.

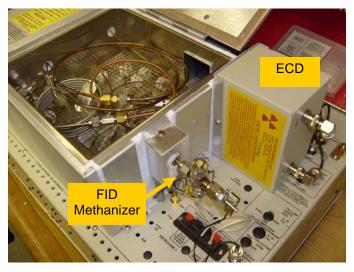
The ECD detects Nitrous Oxide (N2O) while the FID/Methanizer detects methane (CH4) and Carbon Dioxide (CO2).

Based on field experience over the last few years, we have changed the plumbing and columns slightly to improve the analysis.

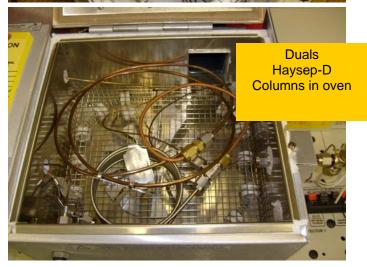
As of August 2008 we now suggest a combination of a 2 meter Haysep-D column in series with another 2 meter Haysep-D column..

The system is operated on Nitrogen carrier at 20 psi with NO makeup gas provided for the ECD to keep the flow to the FID in the normal range (although makeup gas may be utilized if desired). Makup gas may make the FID flame harder to light since the total flow will then be higher. Hydrogen and Air are supplied to the FID/Methanizer as normal.

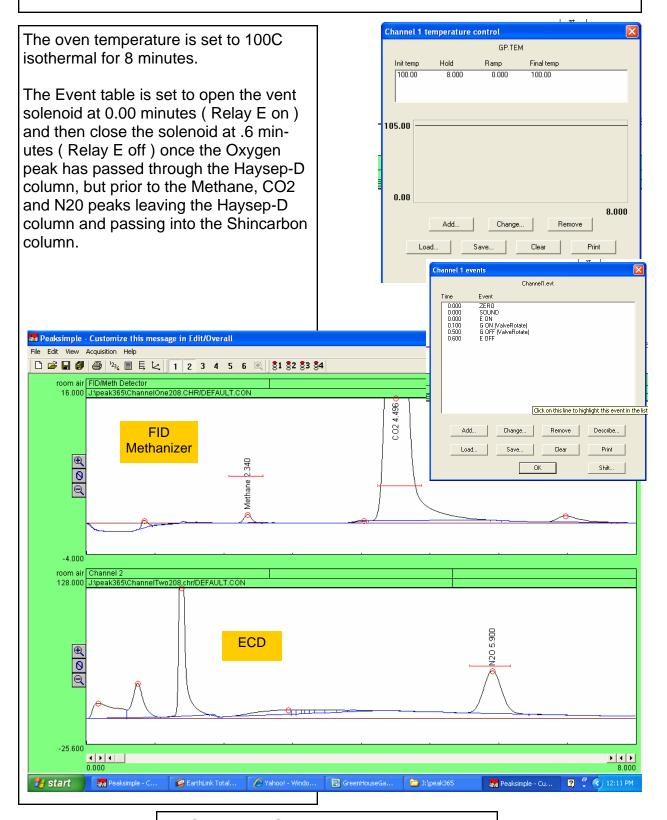








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SRI Tech Support 310-214-5092 www.srigc.com

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The system was set up to inject a 1ml room air sample every 10 minutes. The log file showing the results is below.

Precision for the Methane calculates out at 1.758% RSD (relative standard deviation)

Precision for the Carbon Dioxide is .898% RSD.

Precision for the N20 is 1.48% RSD.

