



**Add the CALIDUS Gas Chromatograph analyzer to your own taste to ensure the quality you and your customers desire.**

The CALIDUS™ Gas Chromatograph from Falcon Analytical will provide precise, reliable measurement of key quality factors like **Ethanol and Fusel Oil Concentrations** in your distilled spirits.



**CALIDUS™ GC System with PC Interface and MicroShot Sample Injector**

You know better than we, ethanol and fusel oil levels in new make, all the way through aging and bottling, drives flavor and aroma. You probably already realize the benefits of quantitative analysis and are sending your products to a contract lab or maybe even one of your colleagues in the beverage industry for quantitative analysis of these components. Perhaps you are already tired of waiting to get the analysis.

**Have you waited a month or more to get results?  
Are you tired of paying hundreds per sample for analysis?**

Already in use by other craft distillers, the CALIDUS Ultrafast Gas Chromatography system can supplement your own qualitative senses with objective product assessment based on ethanol and fusel oil concentrations. These important chemical levels can be determined without the bias we humans all have, or dulled senses from a cold or seasonal allergy. This analytical instrument quantifies what you distilled . . . accurately . . . the first time. . . every time.



**Distillery Images Courtesy of [Smooth Ambler Spirits](#)**

CALIDUS is not a big, heavy, slow, complicated, power hungry analytical instrument that requires an analytical specialist to operate it.

The CALIDUS GC is compact (17" wide by 8.5" deep by 11" high) and weighs less than 25 pounds. The GC produces almost no heat and consumes less than 300 Watts, supplied from a typical 120VAC/15-amp circuit.

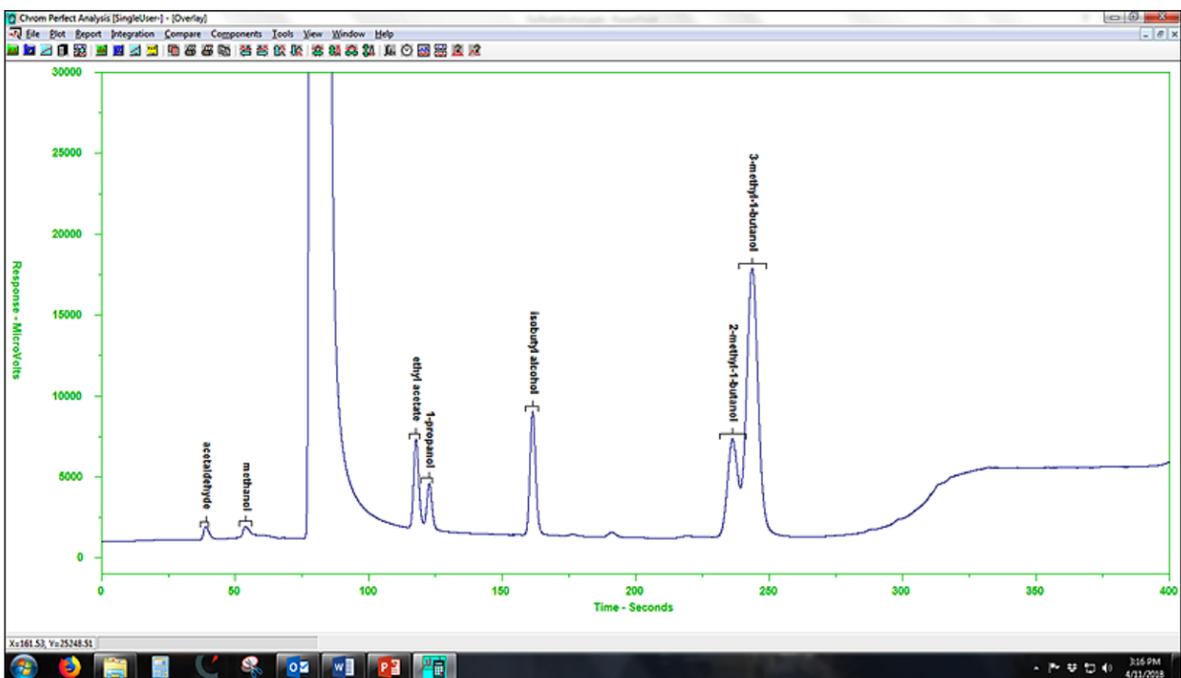
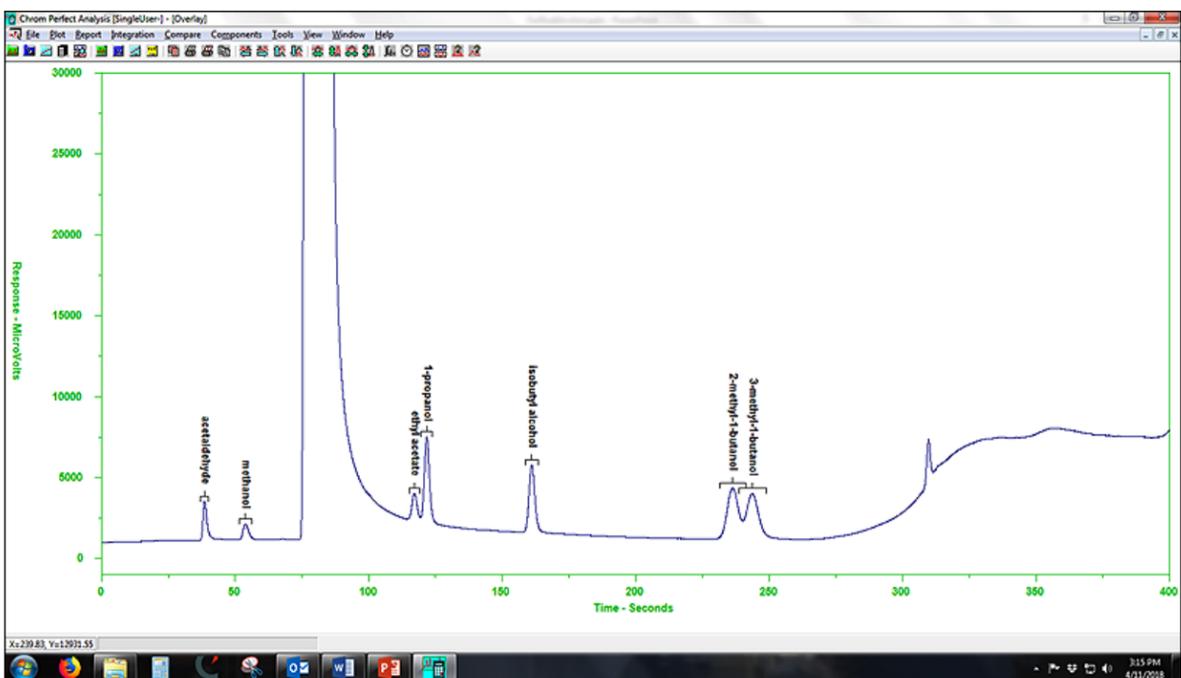
CALIDUS is simple to operate. Samples may be drawn and injected manually with a [MicroShot](#), syringe device. The typical operating interface is a commercial Windows™ PC. An automated, PALARUS™ sampling system is also available from Falcon.



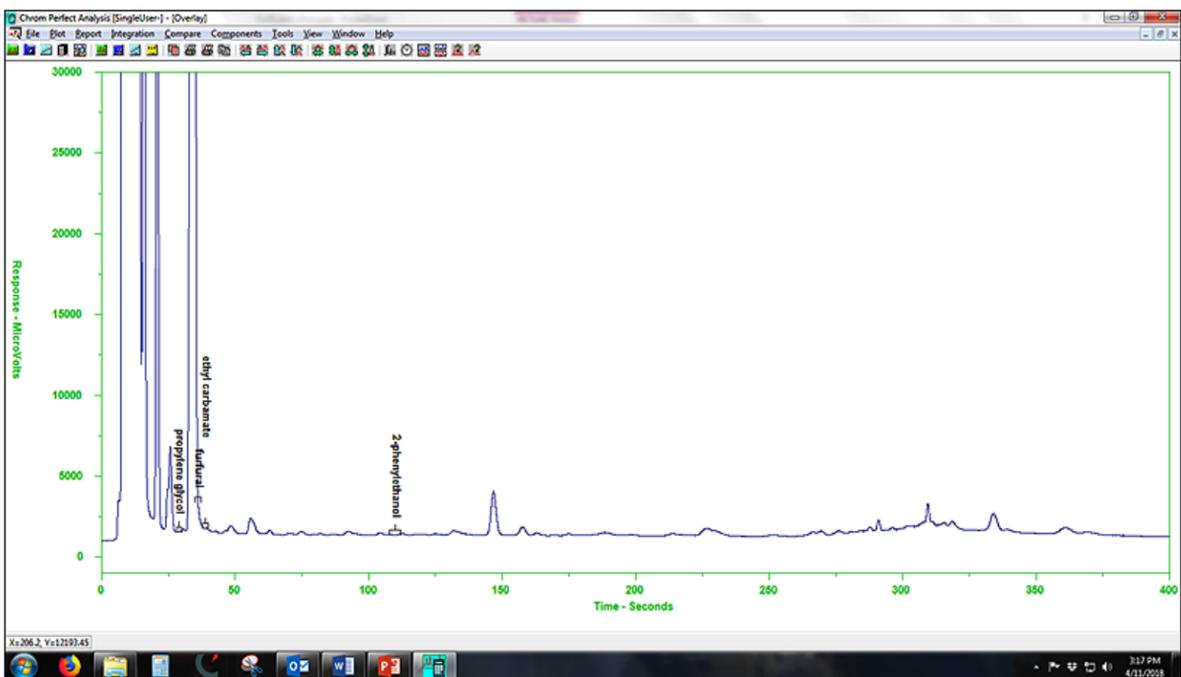
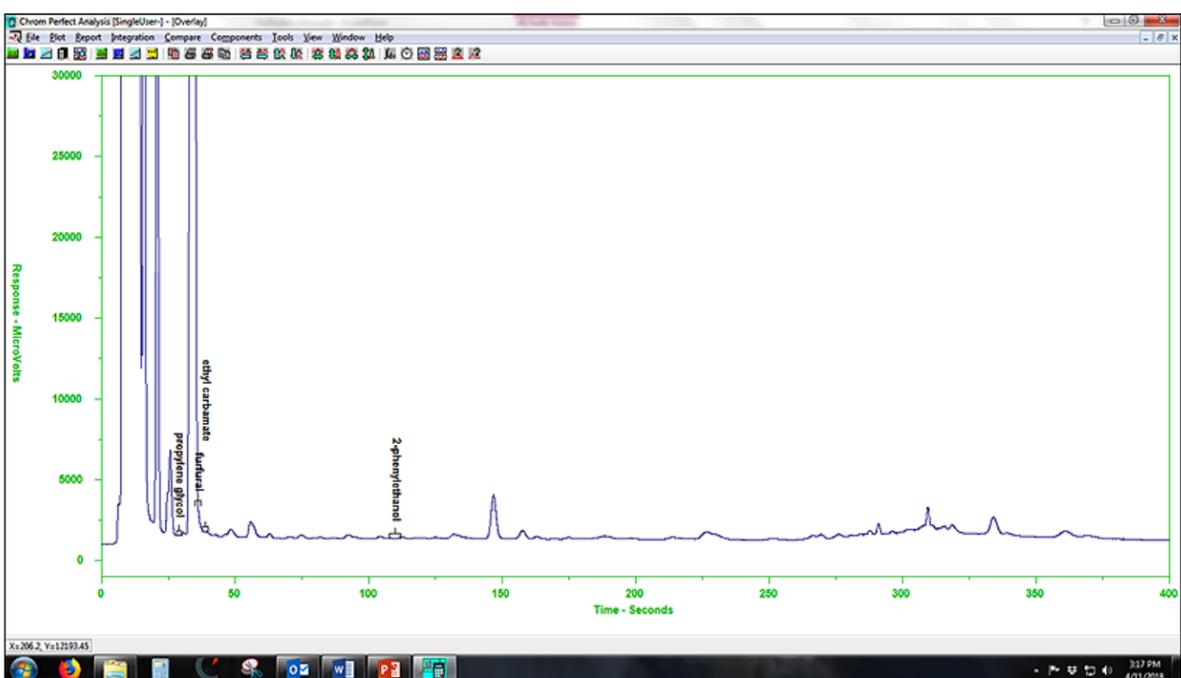
**The Ultimate Quality Assurance Program –Your Expert Taste and the CALIDUS™ GC System  
(GC shown with PALARUS™ Autosampler)**

Plus, the **CALIDUS GC is fast**. Really fast. Imagine receiving complete ethanol and fusel oil analysis on in **less than 10 minutes**. Patented column modules and modular design make the CALIDUS GC the fastest and most reliable instrument of its kind.

**Typical CALIDUS Chromatograms Shown Below**



**Standard Calibration Channel A (above) Craft Whiskey Sample Channel A (below)**



**Standard Calibration Channel B (above) Craft Whiskey Sample Channel B (below)**

Even with all its outstanding features and benefits, the CALIDUS GC is economical to purchase and maintain. All the startup and technical support you'll need is available directly from Falcon Analytical.

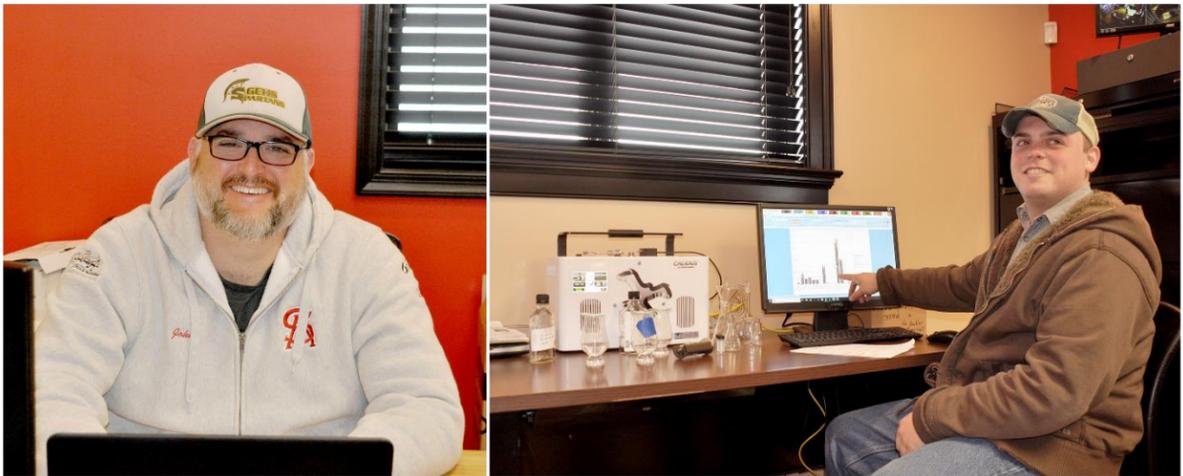
Whether you just need a short list of fusel oils through amyl alcohols, or the details of the fusel oil profile and even esters, there is a CALIDUS GC configuration for you. We offer two "standard" CALIDUS configurations for this application, others are available to meet more specialized needs.

Your expert taste, combined with our fast, reliable component concentration analyzer will provide you with the ultimate quality assurance program for your distilled products. You can eliminate waste, ensure quality and protect your \$6,000 - \$10,000 per barrel product.

Still not convinced? We can connect you with happy, craft distillery users right now. Just ask. Or read what **John Little** and **Travis Hammond** of **Smooth Ambler Spirits** said about the CALIDUS GC:

*"Pretty exciting around the distillery this week. We got the GC (gas chromatograph) running. Thanks to Falcon Analytical for all the help with the machine."* John Little, General Manager – Smooth Ambler Spirits posted this on Facebook.

*"I really like the speed of the unit – that sets your GC apart for sure. The number of samples that we run would be very difficult and time consuming to run on a unit that takes 30 min. to do one sample."* Travis Hammond, Operations Manager - Smooth Ambler Spirits wrote this in an email.



*John Little (L) & Travis Hammond (R) of Smooth Ambler Spirits*

**And** now you can acquire the CALIDUS Ultrafast Gas Chromatograph from Falcon Analytical with our new [Lease or Rental Finance Options](#). You can get the benefits of hi-tech quantitative analysis for a small monthly payment instead of a capital outlay.\*

Email or call now to learn how you can start quantifying and deliberately calibrating your product quality. Or visit our website for more information. We would love to help you achieve new heights in quality, consistency, and protect your investment . . . in every barrel.

\* U.S. customers only. Subject to approval.

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