

## STANDARD ISSUE



### Back by popular demand

DCG's is bringing back the

**10% OFF** cylinder heat blanket special!!

Order your heat blanket by February 28, 2009 and get 10% off your heat blanket order.

### Employee Spotlight: Jeff Werner

The energetic, young man you see at many conferences and seminars is our Chief Operating Officer, Jeff Werner. Jeff is the 'can-do' man, the 'people pleaser', the 'go to' guy at DCG. If he can't give you an answer right away, he'll get one for you shortly. Jeff joined DCG in August 2001.

Jeff came to DCG with much experience in his field. He began his career as a chemist in an environmental lab working on wet chemistry methods and extractions. He moved to the gas chromatography lab working on methods for gasoline and diesel range organics in soil and groundwater. Thereafter; he had the opportunity to join a start-up research company that worked on the biodesulfurization of diesel fuel as its main focus. Jeff worked as an analytical chemist developing analytical techniques utilizing gas chromatography with the sulfur chemiluminescence detector and mass spectrophotometric detector to determine the compounds affected and the rates of the desulfurization reaction. Jeff also worked on the biodesulfurization of gasoline, crude oil, and decant oil projects.

Jeff's next career move was as Product Line Manager for the Model 7090 Gas Chromatography Detector for Sulfur and Nitrogen determination using chemiluminescence. He was

### DCG School Update

DCG is proud to announce that since the beginning of our **School of Chromatography**, we have had each class filled with students from various parts of the world. Since the classes were so successful due to the practical nature and laboratory expertise of those that taught the courses, we have had to post a schedule on our website to avoid overcapacity of courses, and serve companies and organizations on a first come, first serve basis. Due to customer demand, we also begin our **Method Development Classes** in January. Please visit our website under School of Chromatography for further information. You can also call Customer Service at 281-648-1894, ext. 206 for more information.



responsible for developing instrument modifications including manuals and QC Testing for the installation and training of customers using the detector around the world.

Jeff is a member and an officer of the ASTM D03 Committee on Gaseous Fuels as a Member at Large, and is a member of ISO TC193 WG4, WG15, WG17 and WG18. His role has expanded to not only provide our customers with the best in standards and products, but also to facilitate these methods at conferences and meetings so those around the world understand the value of "premier quality".



# NEW PRODUCTS & SERVICES

## Liquid Organo-Metallic Oil Calibration Standards are now available!

DCG has available concentrated and stabilized liquid organo-metallic solutions. These solutions may be diluted, typically with kerosene or light mineral oil, by the end user to form calibration curves or DCG can prepare custom calibration curves manufactured to your specifications. DCG's liquid organo-metallic standards are gravimetrically prepared and have been certified against NIST SRM's when available. DCG's liquid organo-metallic standards do not contain sulfur or phosphorous unless otherwise noted. Part numbers beginning with DCGLOM are available in the following sizes, 100 grams, 50 grams and 25 grams. Part numbers beginning with DCGORGGM are available in 50 mL and 100 mL bottles. Custom Standards and calibration curves are available upon request.

DCG's liquid organo-metallic standards may be used for a variety of analytical applications including, but no limited to, the following: for the analysis of additive elements in lubricating oils; iron, nickel and vanadium in residual oil and wear metals in oils for X-Ray fluorescence spectroscopy (XRF). Additionally, DCG's liquid organo-metallic standards may be used to prepare single element or multi-element standards for plasma emission (ICP and DCP), rotating disk (rotrode) or atomic absorption spectroscopy (AA). Please visit our website under Refinery / Chemical for further information. You can also call Customer Service at 281-648-1894, ext. 206 for more information.

**5% off**

Liquid Organo-Metallic Oil  
Calibration Standards  
DCG PARTNERSHIP 1, LTD  
Offer good through February 28, 2009

### How to convert ppb to ppm to %

- 10 ppb = 0.000001%
- 10 ppb = 0.01 ppm
- 100 ppb = 0.00001%
- 0.1ppm = 100 ppb
- 1 ppm = 0.0001%
- 10 ppm = 0.001%
- 100 ppm = 0.01%
- 1,000 ppm = 0.1%
- 10,000 ppm = 1.0%



Roy Rodriguez, Alejandro Amorin, Jeff Werner & Alejandro Gonzalez at ASTM D02, D03 Winter meeting in Tampa Florida

### DCG will be at.....

January: ASTM D16, Atlanta, GA

February: Nat'l Biodiesel Conference, San Francisco, CA  
GAS 2009, Rotterdam, The Netherlands

March: Pittcon, Chicago, IL  
ACS, Salt Lake City, UT  
API Spring COPM, Dallas, TX

### CONTACT DCG

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