



Scientific Services on a Global Basis

TDI-Brooks International, Inc.

14391 S. Dowling, College Station, TX 77845

Ph: (979) 693-3446 Fax: (979) 693-6389

www.tdi-bi.com

Michael A. Gaskins
Geochemical Laboratory Manager
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EDUCATION

Texas A&M University, College Station, TX—B.S. Genetics, 2010

PROFESSIONAL EXPERIENCE

TDI-Brooks International/B&B Labs—College Station, Texas April 2017 - Present
Geochemical Laboratory Manager

- Coordinate processing and analysis of geochemical samples
- Assist personnel with instrumental analyses
- Compile and review geochemical data for interpretive reports
- Research new instruments, methods, and analytes
- Develop new and improve existing analytical methods
- Validate new/improved analytical methods
- Performed routine maintenance, troubleshooting, and minor repairs on instruments
- Author and revise SOPs, training manuals, and other technical reports
- Train personnel on theory, principles, and applications of analytical methods and instrumentation

Cerilliant (MilliporeSigma/Merck KGaA)—Round Rock, Texas March 2015—March 2017
Associate Scientist/Site Lead for Curiosity Labs™ Program

- Analyzed neat materials and solution standards for purity, accuracy, homogeneity, and isotopic composition using LC/MS QTOF, GC/FID, GC/ECD, and GC/MS
- Completed analytical components of custom and/or R&D projects (LRMS, HRMS, MS/MS)
- Performed routine maintenance, troubleshooting, and repairs on instruments
- Processed and interpreted sample data from multiple techniques
- Peer reviewed GC, GC/MS, and LC/MS QTOF data
- Improved, created, and validated new analytical methods
- Conducted “Out of Specification” (OOS) investigations and authored technical reports
- Site director for Curiosity Labs™ program that taught and conducted science experiments with local children
- Hazardous waste disposal



TDI-Brooks International/B&B Labs—College Station, Texas

Oct. 2011-March 2015

Instrument Analyst

- Conducted GC analyses for volatiles and semivolatiles (HS, FID, ECD, MS)
- Completed analytical components of custom and/or R&D projects
- Performed routine maintenance, troubleshooting, and minor repairs on instruments
- Processed and interpreted sample data from multiple analytical techniques
- Improved, created, and validated new analytical methods (GC/MS)
- Performed method detection limit, limit of detection, and limit of quantitation studies
- Authored and revised SOPs, training manuals, and other technical reports
- Coordinated and conducted numerous offshore environmental studies
- Collected seawater and sediment samples in the field
- Performed wet chemical analyses in the field (pH, conductivity, DO, COD, BOD, etc.)

Energy Laboratories—College Station, Texas

June 2010—Oct. 2011

Trace Metals Analyst

- Performed sample digestions and leaches (EPA Methods 200.2, 3010, 3050).
- Conducted trace metals analysis for mercury, arsenic, antimony, and selenium via atomic absorption (electric hydride AA, EPA Methods 3114B, 245.1, 7470A, 7471A).
- Conducted trace metal analyses for trace metals and sulfur using inductively coupled plasma-optical emission spectrometer (ICP-OES, EPA Method 200.7).
- Performed method detection limit, limit of detection, and limit of quantitation studies

Texas A&M University—College Station, Texas

Jan. 2009—May 2010

Undergraduate Research Assistant

- Conducted experiments using various genetic, biochemical, and microbiological techniques
- Prepared microbiological media and solutions
- Ordered and procured chemicals and supplies

Texas A&M University—College Station, Texas

Aug. 2009—May 2010

Student Instructor/Tutor

- Instructed supplemental biology and chemistry course of approximately 30 freshmen
- Tutored individual students for chemistry (general, organic, analytical, and bio), math, and statistics

Kolkhorst Petroleum—Navasota, Texas

June 2008—May 2010

Administrative Assistant to Vice President

- Assisted vice president and mid-level management with public relations and marketing
- Aided accounting with inventory and other records
- Helped midlevel management organize and execute events
- Maintained inventory and facilitated distribution of supplies



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Subway—Brenham, Texas

July 2006—June 2008

Assistant Manager

- Directed daily operations and 2-5 staff members
- Inventoried and ordered supplies
- Completed daily financial reports and bank deposits
- Created employee work schedules
- Interviewed, hired, and trained new employees

PROFESSIONAL TRAINING

OpenLab CDS Chemstation Master Class—Agilent Technologies, September 2016

High Resolution Mass Spectrometry—American Society for Mass Spectrometry, June 2016

Hazardous Waste Operations and Emergency Response (HAZWOPER)—TEKS, May 2016

Basic Offshore Survival and Emergency Training—Falck Alford, August 2012

Gas Chromatography (ECD, MS, and FID), B&B Labs, 2011-2012

Atomic Absorption (AA), Energy Laboratories, 2010-2011

Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES), Energy Laboratories,
2010-2011

MEMBERSHIPS

American Society for Mass Spectrometry, 2016-Present