



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRACE ANALYTICS, LLC.  
15768 Hamilton Pool Road  
Austin, TX 78738  
Richard A. Smith, C.I.H. Phone: 512 263 0000  
800 247 1024

CHEMICAL

Valid To: November 30, 2012

Certificate Number: 0322.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following analyses of Compressed Gas Components identified below:

Samples are analyzed for the following components:

Argon	Oxygen
Carbon Dioxide	Particulate, Particle Size
Carbon Monoxide	Particulate, Total
Halogenated Hydrocarbons	Specific Gases and Vapors
Methane	Total Volatile Hydrocarbon Content
Nitrogen	Water
Oil Mist (Condensed Hydrocarbons)	

Using the following methods:

<u>Test Technology</u>	<u>Test Method</u>
Gas Chromatography-Mass Spectrometry and Gas Chromatography-Flame Ionization Detection	CAT-A-01
Gravimetry	CAT-A-03
Optical Microscopy	CAT-A-04

Standards or portions of standards applicable to the above testing include, but are not limited to:

American Nitrox Divers International  
Canadian Standards Association-CSA Z180.1  
Compressed Gas Association-ANSI/CGA G-7.1; CGA G-10.1  
Instrument Society of America; ISA 7.0.01  
International Association of Nitrox and Technical Divers  
International Organization for Standardization-ISO 8573  
National Fire Protection Association-NFPA 99; NFPA 1404; NFPA 1500; NFPA 1989  
National Institute for Occupational Safety and Health-NIOSH 37-7  
Occupational Safety and Health Administration 29 CFR 1910; .56, .134, .430  
Professional Association of Diving Instructors-Pure Air Program  
U.S. Federal Specification-BB-A-1034; MIL-O-27210F  
U.S. Navy Diving Manual-SS521-AG-PRO-010



The American Association for Laboratory Accreditation

World Class Accreditation

# Accredited Laboratory

A2LA has accredited

## TRACE ANALYTICS, LLC.

*Austin, TX*

for technical competence in the field of

### Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 1<sup>st</sup> day of February 2011.



A handwritten signature in black ink, reading "Peter Abney".

President & CEO  
For the Accreditation Council  
Certificate Number 0322.01  
Valid to November 30, 2012

*For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*