

**Trace Analytics, Inc.**

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AirCheck Report™

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Customer No.: 1218**Report No.: 04-09979**

Conch Republic Divers
Mr. Gary Mace
 90800 Overseas Hwy. #9
 Tavernier FL 33070

Date Received: **Tue, June 22, 2004**
 Date Analyzed: **Wed, June 23, 2004**
 Date Reported: **Thu, June 24, 2004**
 Sampled By: **Chris Ward**
 Date Sampled: **Sat, June 12, 2004**
 Air Source ID: **Bauer Compressor, Model:
 K-15, S/N: 93/1094/06**

Results vs CGA G-7.1-1997 Grade E(2) Gas Quality Specification

Limiting Characteristic	Concentration			QC Results, %*	
	Source	Ambient	Specification	Accuracy	Precision
Oxygen, Volume %	21.0	N/A	20-22	100	0.1
Nitrogen / Argon, Volume %	78.1 / 0.9	N/A / N/A	N/A - N/A	100	0.1
Carbon Monoxide (CO), ppmv	0.6	N/A	10	100	0.7
Carbon Dioxide (CO ₂), ppmv	363	N/A	1000	100	0.3
Water (H ₂ O), ppmv/Dewpoint, °F	4.1 / -89	N/A	N/A/N/A (W)	100	0.1
Total Volatile Hydrocarbon Content (TVHC)	TVHC (including CH ₄), ppmv	1.8	N/A	101	1.3
	Methane (CH ₄), ppmv	1.8	N/A	100	0.1
	TVHC (excluding CH ₄), ppmv	<0.7	N/A	101	1.3
Oil (condensed) & Particulate, mg/m ³	<0.03	N/A	5	100	0.1
Odor (provided by customer)	None/Slight	N/A	None/Slight	N/A	N/A
Other	N/A	N/A	N/A	N/A	N/A

This sample COMPLIES with the above referenced specification.

Customer
 Comments

T N (2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.
R O (W) Dew point is expressed in °F at one atmosphere pressure absolute.
A T
C E
E S

*Accuracy relates observed to expected results (100% is complete agreement). Precision relates to reproducibility (0.0% is complete agreement).

Analytical Test Methods	Gases & Vapors Oil & Particulate Particle Size	CAT-A-01 CAT-A-03 CAT-A-04	Gas Chromatography/Mass Spectrometry Analytical Gravimetry Optical Microscopy	Media Sample Numbers	Source Bottle: 710955 Source Filter: 107848 Ambient Bottle: N/A
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R. A. Smith

Richard A. Smith, C.I.H., Laboratory Director

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