



Air  
Quality  
Labs, Inc.

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## ANALYTICAL REPORT

Report ID: R00-0000

RNB & Associates, Inc.  
961 Doral Dr.  
Bartlett, IL 60103  
Attn: Mr. Robert Bucaro

Sample Location: Fire Department Name  
Sampled By: R. Bucaro  
Sample Source ID: Your Compressor BAM12345  
SN: 678910  
Date Sampled: July 20, 2003  
Date Received by AQL: July 20, 2003  
Date Analyzed / Reported: July 21, 2003 / July 22, 2003  
Sample Numbers: S000321, F000123

### Quality Control

LIMITING CHARACTERISTICS:	Units	CGA / NFPA STANDARDS	SOURCE SAMPLE	AMBIENT SAMPLE	Accuracy as % Recovery	Precision As % RSD
Carbon Dioxide	ppm v/v	1000	370	NA	100	1.7
Carbon Monoxide	ppm v/v	10	<1.0	NA	102	0.6
Dewpoint (°F) / Water	ppm v/v	-65 / 24	-77 / <10	NA	96	1.5
Odor (determined by sampler)		none / slight	none / slight	NA	NA	NA
Oil (condensed) & Particulates	mg/m <sup>3</sup>	5	<0.2	NA	100	0.0
Oxygen	% v/v	20 - 22	20.9	NA	101	0.9
Total Hydrocarbon Content (as methane)	ppm v/v	25	<5	NA	98	0.3
Methane	ppm v/v	NA	2.2	NA	95	0.6
<b>OTHER CHARACTERISTICS:</b>						
Argon	% v/v	NA	0.9	NA	95	5.5
Nitrogen	% v/v	NA	78.2	NA	100	0.1

Analytical Methods: Hydrocarbons / Fixed Gases & Water – GC Method, AN-1, January 03, 2001 Revision 4  
Condensed Oil & Particulates – Gravimetric Method, AN-2, January 03, 2001 Revision 3

Standard References: CGA G-7.1 - 1997 Grade E Air Quality Specifications  
NFPA 1989 - 2003 Breathing Air Quality for Fire & Emergency Services, Chapters 5 & 6  
NFPA 1500 - 2002 Fire Department Occupational Safety & Health Program, 7.10.1

Compliance: This sample is in compliance with the referenced standards. Refer to the attached Certificate of Compliance.

Laboratory Comments:

Client Comments:  
96.97 Hours

Results relate only to the item tested. Report documents shall not be reproduced except in full, without written approval of AQL.

## SAMPLE

Robert N. Bucaro, CSP  
Laboratory Director  
Certified Safety Professional