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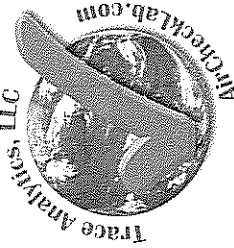
To:  
**Mr. Doug Shattuck**  
**SAFAIR**  
**PO Box 545**  
**Sherburne, NY 13460**  
**607-674-5840**

# TRACE ANALYTICS, LLC

Report 12-09536, Sampled on  
**4/5/2012**

# ANALYSIS CERTIFICATE

Next Sample Due Quarterly, Approximately  
**7/5/2012**



**SOUTH PLATTSBURGH F.D.**

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:  
**NFPA 1989-2008 & CGA G-7.1-2004 GRADE E**

AS ANALYZED AND REPORTED ON THIS CERTIFICATE

FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



ACCREDITED  
American Assn for Laboratory Accreditation  
1991: Certificate No. 322.01 Chemical Field of Testing

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

Analytical Test Methods	Media Sampled	Estimate of Uncertainty
Gases & Vapors CAT-A-01 Gas Chromatography/Mass Spectrometry	Source Bottle: 729107	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.
Oil & Particulate CAT-A-03 Analytical Gravimetry	Ambient Bottle: N/A	
Particle Size CAT-A-04 Optical Microscopy	Source Filter: 143156	

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC  
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### Sample & Report Information

Sampled For	South Plattsburgh F.D.
Sampled By	Douglas F. Shattuck
Sampled On	4/5/2012
Received On	4/16/2012
Analyzed On	4/16/2012
Sampled From:	Compressor
Sample Point:	Routine
Make:	Eagle
Model:	T26P15G
Serial No.:	04563701
Hours:	223.3
Customer Comments	
Report Number	12-09536
Customer ID	1182
Date Reported	4/17/2012
Frequency	Quarterly
Next Sample Due Approx.	<b>7/5/2012</b>

### Results of Test: PASS

Analytes	Source Results	Ambient Results	Specification Allowable Limits
Oxygen, Volume %	20.9	N/A	20.0-22.0
Nitrogen, Volume %	78.2	N/A	75.0-81.0
Argon, Volume %	0.9	N/A	N/A
Nitrogen Plus Argon, Volume %	79.1	N/A	N/A
Carbon Monoxide (CO), ppmv	<0.3	N/A	5
Carbon Dioxide (CO <sub>2</sub> ), ppmv	357	N/A	1000
Water Content (H <sub>2</sub> O), ppmv/Dewpoint, °F	<3.4 / <91	N/A	24 / -65 (W)
Atmospheric Dew Point, °F (DT)	<-90	N/A	N/A
TVHC (including CH <sub>4</sub> ), ppmv	4.0	N/A	25
Methane (CH <sub>4</sub> ), ppmv	3.2	N/A	N/A
TVHC (excluding CH <sub>4</sub> ), ppmv	0.8	N/A	25
Oil (condensed) & Particulate, mg/m <sup>3</sup>	<0.05	N/A	2
Odor (provided by customer)	Not Pronounced	N/A	Not Pronounced
Other	N/A	N/A	N/A
Other	N/A	N/A	N/A
Other	N/A	N/A	N/A

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

(DT) Trace Analytics is not accredited for this analysis. Dew point is calculated from the detector tube reading. A difference between the laboratory and detector tube values may be caused by vaporized water condensation that the detector tube picks up, but that is flushed through the bottle holder by the end of the sampling period.