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To:
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TRACE ANALYTICS, LLC

Report 11-24365, Sampled on
10/5/2011



ANALYSIS CERTIFICATE

Next Sample Due Quarterly, Approximately
1/5/2012

SOUTH PLATTSBURGH F.D.

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"



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

Analytical Test Methods
Gases & Vapors CAT-A-01 Gas Chromatography/Mass Spectrometry
Oil & Particulate CAT-A-03 Analytical Gravimetry
Particle Size CAT-A-04 Optical Microscopy

Media Sampled
Source Bottle: 736072
Ambient Bottle: N/A
Source Filter: 147499

Estimate of Uncertainty

The average analytical uncertainty (k=2) is 99.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.

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

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. Shatluck
Sampled On	10/5/2011
Received On	10/13/2011
Analyzed On	10/13/2011
Sample Point	Before Filter Change
Make	Eagle
Model	T215G
Hours	145.9
Customer Comments	
Report Number	11-24365
Customer ID	1182
Date Reported	10/14/2011
Frequency	Quarterly
Next Sample Due Approx.	1/5/2012

Results of Test: PASS

Analytes	Source Results	Ambient Results	Specification Allowable Limits
Oxygen, Volume %	21.0	N/A	20.0-22.0
Nitrogen, Volume %	78.1	N/A	75.0-81.0
Argon, Volume %	0.9	N/A	N/A
Nitrogen Plus Argon, Volume %	79.0	N/A	N/A
Carbon Monoxide (CO), ppmv	<0.3	N/A	5
Carbon Dioxide (CO ₂), ppmv	417	N/A	1000
Water Content (H ₂ O), ppmv/Dewpoint, °F	3.5 / -91	N/A	24 / -65 (W)
Atmospheric Dew Point, °F (DT)	-59	N/A	N/A
TVHC (including CH ₄), ppmv	3.7	N/A	25
Methane (CH ₄), ppmv	2.2	N/A	N/A
TVHC (excluding CH ₄), ppmv	1.5	N/A	25
Oil (condensed) & Particulate, mg/m ³	0.06	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.