



Trace Analytics, LLC

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AirCheck Report™

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Customer No.: 8000

Report No.: 11-00000

XYZ Fire Company
Mr. Bob Smith
123 Avenue
Anytown USA 12345

Date Received: Tue, February 15, 2011
Date Analyzed: Tue, February 15, 2011
Wed, February 16, 2011
Date Reported:
Sampled By: Joe Brown
Date Sampled: Thu, February 10, 2011
Air Source ID: Air Compressor, Model:
BA, S/N: 5555555

Sampled for Station 2

Results vs NFPA 1989-2008 Gas Quality Specification

Limiting Characteristic	Concentration			QC Results, %*	
	Source	Ambient	Specification	Accuracy	Precision
Oxygen, Volume %	20.9	N/A	19.5-23.5	100	0.3
Nitrogen / Argon, Volume %	78.2 / 0.9	N/A / N/A	75 - 81	100	0.3
Carbon Monoxide (CO), ppmv	<0.3	N/A	5	100	0.1
Carbon Dioxide (CO ₂), ppmv	409	N/A	1000	98	0.2
Water (H ₂ O), ppmv/Dewpoint, °F	13.6 / -73	N/A	24/-65 (W)	102	2.3
Total Volatile Hydrocarbon Content (TVHC)	TVHC (including CH ₄), ppmv	2.6	N/A	100	0.6
	Methane (CH ₄), ppmv	2.6	N/A	100	0.4
	TVHC (excluding CH ₄), ppmv	<0.7	N/A	25	100
Oil (condensed) & Particulate, mg/m ³	<0.02 (L)	N/A	2	100	0.2
Odor (provided by customer)	Not Pronounced	N/A	Not Pronounced	N/A	N/A
Atmospheric Dew Point, °F (DT)	<-90	N/A	N/A	N/A	N/A
Other	N/A	N/A	N/A	N/A	N/A
Other	N/A	N/A	N/A	N/A	N/A

This sample COMPLIES with the air/gas quality portion of the above referenced specification.

Customer Comments: 527 Hours

T N R O A T C E S

(W) Dew point is expressed in °F at one atmosphere pressure absolute.
(L) Less than 500 liters of air (the NFPA 1989 minimum) passed through the filter. The air volume for this sample was _____ liters.
(DT) Trace Analytics is not accredited for this analysis. Dew point calculated from the Detector Tube reading. A difference between the laboratory and detector tube values is not uncommon and may be caused by a slight amount of water condensation that the detector tube picks up, but that is flushed through the bottle holder by the end of the 10 minute sampling period. "Not Provided" indicates the Data Sheet did not contain adequate information for a calculation.

*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: 719567 Source Filter: 139427 Ambient Bottle: N/A
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Accredited In The Chemical Field of Testing

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

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