



U.S. Department
of Transportation
**Federal Aviation
Administration**

THESE RECORDS MAY BE RELEASABLE UNDER THE FOIA REQUEST 15
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FAA NTSB COUNSEL

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Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Wednesday, November 30, 2011

National Transportation Safety Board
4760 Oakland Street, Suite 500
Denver, CO 80239

ACCIDENT # 0212	INDIVIDUAL#: 001	NAME: RIFFEL, JERRIS L.	MODE: AVIATION
DATE OF ACCIDENT 09/07/2011		DATE RECEIVED 09/13/2011	PUTREFACTION: No
	N # 554JR	NTSB # CEN11FA634	CAMI REF # 201100212001
LOCATION OF ACCIDENT Winfield, KS			
SPECIMENS Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Urine, Vitreous			

FINAL FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

CARBON MONOXIDE: The carboxyhemoglobin (COHb) saturation is determined by spectrophotometry with a 10% cut off and confirmed by chromatography.

>> NOT PERFORMED

CYANIDE: The presence of cyanide is screened by Conway Diffusion. Positive cyanides are quantitated by spectrophotometry and confirmed by chromatography. The reporting cutoff for cyanide is 0.25 ug/mL. Normal blood cyanide concentrations are less than 0.15 ug/mL, while lethal concentrations are greater than 3 ug/mL.

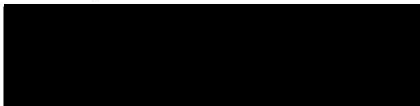
>> NOT PERFORMED

VOLATILES: The volatile concentrations are determined by headspace gas chromatography at a cut off of 10 mg/dL. Where possible, positive ethanol values are confirmed by Radiative Energy Attenuation.

>> NO ETHANOL detected in Urine

DRUGS: Immunoassay and/or chromatography are used to screen for drugs. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR is used to confirm most positive results. Concentrations (ug/mL) at or above those in () can be determined for, but not limited to, the following drugs: amphetamines (0.010), opiates (0.010), marijuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), and antihistamines (0.020). For comprehensive information concerning all drugs detected by the laboratory, see the CAMI Drug Information Web Site <http://jag.cami.jccbi.gov/toxicology/>.

>> Doxylamine detected in Urine



Date: 2011.12.02 14:14:55 -06'00'

Russell Lewis, Ph.D.
TC, FAA, Forensic Toxicology
Research Team CAMI