



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

THESE RECORDS MAY BE RELEASABLE UNDER THE FOIA REQUEST 15  
DAYS AFTER SIGNATURE DATE UNLESS WE HEAR OTHERWISE FROM  
FAA NTSB COUNSEL

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Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

Thursday, June 16, 2016

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

ACCIDENT # 0044    INDIVIDUAL#: 002    NAME: [REDACTED]    MODE: AVIATION  
DATE OF ACCIDENT 03/01/2016    DATE RECEIVED 03/22/2016    PUTREFACTION: Yes  
N # 419B    NTSB # CEN16FA114    CAMI REF # 201600044002  
LOCATION OF ACCIDENT Abilene, TX  
SPECIMENS Bile, Blood (Cavity), Blood (Femoral), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, 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.

>> NO CARBON MONOXIDE detected in Blood (Femoral)

CYANIDE: The presence of cyanide is screened by Conway Diffusion, when the COHb level is equal to or greater than 10% or upon special request. 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.

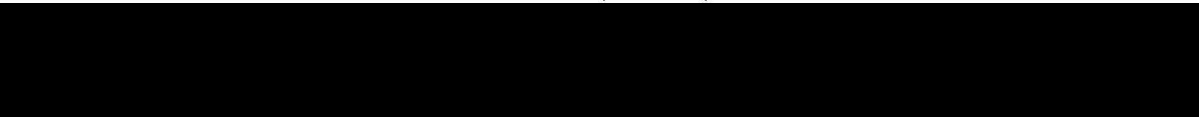
>> NOT PERFORMED

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.

>> 149 (mg/dL, mg/hg) Ethanol detected in Urine  
>> 141 (mg/dL, mg/hg) Ethanol detected in Vitreous  
>> 126 (mg/dL, mg/hg) Ethanol detected in Blood (Femoral)

DRUGS: Specimens are analyzed using immunoassay, chromatography, GC/MS, HPLC/MS, or GC/FTIR. 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). Drugs and/or their metabolites, that are not impairing or abused, may be reported from the initial tests. See the CAMI Drug Information Web Site for additional information (<http://jag.cami.jccbi.gov/toxicology/>).

>> NO DRUGS listed above detected in Blood (Femoral)



Russell Lewis, Ph.D.  
TC, FAA, Forensic Toxicology  
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