



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

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

Monday, April 24, 2017

National Transportation Safety Board

████████████████████  
Denver, CO 80239

ACCIDENT # 0033    INDIVIDUAL#: 001    NAME: ██████████    MODE: AVIATION  
DATE OF ACCIDENT 02/27/2017    DATE RECEIVED 03/02/2017    PUTREFACTION: No  
N # 2461N    NTSB # CEN17FA111    CAMI REF # 201700033001  
LOCATION OF ACCIDENT Berthoud, CO  
SPECIMENS Bile, Blood, Brain, 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

**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.

>> NO ETHANOL detected in Vitreous

**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/>).

- >> 35.75 (ug/ml, ug/g) Acetaminophen detected in Urine
- >> Dextromethorphan detected in Urine
- >> Dextromethorphan detected in Blood
- >> Dextrorphan detected in Urine
- >> Dextrorphan detected in Blood
- >> Doxylamine detected in Urine
- >> Doxylamine detected in Blood
- >> Ibuprofen detected in Urine

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c=US, o=U.S. Government, ou=AMC, ou=AMC,  
cn=RUSSELL J LEWIS  
2017.04.25 15:29:17 -05'00'

Monday, April 24, 2017

CONTINUATION OF REF#: 201700033001 - [REDACTED]

[REDACTED]

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J  
LEWIS  
2017.04.25 15:29:42 -05'00'

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