



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

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Friday, July 14, 2017

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

ACCIDENT # 0097 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 04/24/2017 DATE RECEIVED 05/19/2017 PUTREFACTION: No
N # 787TV NTSB # CEN17FA164 CAMI REF # 201700097001
LOCATION OF ACCIDENT Boonville, MO
SPECIMENS Bile, Blood, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spinal Fluid, 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/>).

- > 0.126 (ug/mL, ug/g) Amino-clonazepam (7-) detected in Blood
- > 0.791 (ug/mL, ug/g) Amino-clonazepam (7-) detected in Urine
- > 0.011 (ug/mL, ug/g) Clonazepam detected in Blood
- > 0.023 (ug/ml, ug/g) Amphetamine detected in Blood
- > 0.218 (ug/ml, ug/g) Amphetamine detected in Liver
- > 0.22 (ug/ml, ug/g) Methamphetamine detected in Blood
- > 1.354 (ug/ml, ug/g) Methamphetamine detected in Liver
- > Phenylpropanolamine detected in Blood
- > Anhydroecgonine Methyl Ester detected in Blood
- > 1.237 (ug/ml, ug/g) Benzoylecgonine detected in Blood
- > 1.825 (ug/ml, ug/g) Benzoylecgonine detected in Liver
- > 0.033 (ug/ml, ug/g) Cocaine detected in Blood
- > Ecgonine Methyl Ester detected in Blood
- > Ecgonine Methyl Ester detected in Liver

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CONTINUATION OF REF#: 201700097001 — [REDACTED]

- > Diphenhydramine detected in Liver
- > 0.04 (ug/ml, ug/g) Diphenhydramine detected in Blood
- > Ibuprofen detected in Urine
- > 0.464 (ug/mL, ug/g) Paroxetine detected in Blood
- > Paroxetine detected in Liver
- > Quinine detected in Blood
- > Quinine detected in Liver

[REDACTED]

c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
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Russell Lewis, Ph.D., F-ABFT
TC, FAA, Forensic Toxicology
Research Team CAMI