



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

Tuesday, December 27, 2016

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

Rear Seat CFI

ACCIDENT # 0240 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 11/09/2016 DATE RECEIVED 11/15/2016 PUTREFACTION: Yes
N # 327SH NTSB # ERA17FA038 CAMI REF # 201600240001
LOCATION OF ACCIDENT Crescent City, FL
SPECIMENS Heart, Kidney, Liver, Lung, Muscle, Spleen

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, 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 Muscle
>> NO ETHANOL detected in Liver

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), marihuana (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/>).

>> 0.026 (ug/mL, ug/g) Dihydrocodeine detected in Liver
>> 0.138 (ug/ml, ug/g) Hydrocodone detected in Liver
>> 0.034 (ug/ml, ug/g) Hydrocodone detected in Muscle
>> Metoprolol detected in Liver
>> Metoprolol detected in Muscle

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL
J LEWIS
2016.12.27 15:19:02 -06'00'

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



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Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Thursday, December 22, 2016

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

Front seat pilot

ACCIDENT # 0240 INDIVIDUAL#: 002 NAME [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 11/09/2016 DATE RECEIVED 11/15/2016 PUTREFACTION: Yes
N # 327SH NTSB # ERA17FA038 CAMI REF # 201600240002
LOCATION OF ACCIDENT Crescent City, FL
SPECIMENS Bile, Heart, Kidney, Liver, Lung, Muscle, Spleen

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, 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 Liver
- > 42 (mg/dL, mg/hg) Ethanol detected in Muscle
- > Propanol (N-) detected in Muscle

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), marihuana (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/>).

- >> Atorvastatin detected in Liver
- >> Atorvastatin NOT detected in Muscle
- >> Metoprolol detected in Liver
- >> Metoprolol detected in Muscle
- >> Telmisartan detected in Liver

Thursday, December 22, 2016

CONTINUATION OF REF#: 201600240002 - [REDACTED]

[REDACTED]
c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
2016.12.27 14:42:27 -06'00'

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