



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

Mike Monroney
Aeronautical Center

██████████
Oklahoma City, Oklahoma 73125

Monday, March 19, 2018

National Transportation Safety Board

██████████
Denver, CO 80239

ACCIDENT # 0009 INDIVIDUAL#: 001 NAME: ██████████ MODE: AVIATION
DATE OF ACCIDENT 01/27/2018 DATE RECEIVED 01/31/2018 PUTREFACTION: No
N # 8559U NTSB # CEN18FA088 CAMI REF # 201800009001
LOCATION OF ACCIDENT Williamsport, IN
SPECIMENS Bile, Blood, Brain, Heart, Kidney, Liver, Lung, 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 CARBOXYHEMOGLOBIN 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, mass spectrometry, or spectrophotometry. 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/>).

- Metoprolol NOT detected in Blood
- Metoprolol detected in Urine
- Morphine NOT detected in Blood
- 0.408 (ug/mL, ug/g) Morphine detected in Urine
- Hydromorphone NOT detected in Blood
- 0.013 (ug/mL, ug/g) Hydromorphone detected in Urine
- Codeine NOT detected in Blood
- 0.028 (ug/mL, ug/g) Codeine detected in Urine
- Warfarin detected in Blood
- Warfarin detected in Urine

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CONTINUATION OF REF#: 201800009001 - [REDACTED]



c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS
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