



U.S. Department  
of Transportation  
Federal Aviation  
Administration

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

Tuesday, August 6, 2019

National Transportation Safety Board  
45065 Riverside Parkway  
Ashburn, VA 20147

**RT SEAT PASSENGER**

ACCIDENT # 0122    INDIVIDUAL#: 002    NAME: [REDACTED]    MODE: AVIATION  
DATE OF ACCIDENT 06/07/2019    DATE RECEIVED 06/13/2019    PUTREFACTION: No  
N # 709CH    NTSB # ERA19FA188    CAMI REF # 201900122002  
LOCATION OF ACCIDENT Castalia, NC  
SPECIMENS Gastric, 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
- 15 (mg/dL, mg/hg) Ethanol detected in Muscle

**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/>).

- 19.6 (ng/mL, ng/g) Carboxy-Delta-9-THC detected in Liver
- Irbesartan detected in Liver
- Irbesartan detected in Muscle

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J  
LEWIS  
2019.08.09 15:34:43 -05'00'

[REDACTED]  
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CAMI, FAA