



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

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Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Thursday, May 03, 2018

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT # 0052 INDIVIDUAL#: 001 NAME: **Pilot** MODE: AVIATION
DATE OF ACCIDENT 03/28/2018 DATE RECEIVED 04/04/2018 PUTREFACTION: No
N # 3167C NTSB # ERA18FA118 CAMI REF # 201800052001
LOCATION OF ACCIDENT Ashville, AL
SPECIMENS Gastric, Kidney, Liver, Lung, Muscle, 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.

- 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
- 11 (mg/dL, mg/hg) Ethanol detected in Liver

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/>).

- 0.0458 (ug/mL,ug/g) 11-hydroxy-delta-9-tetrahydrocannabinol detected in Liver
- 0.0079 (ug/mL,ug/g) 11-hydroxy-delta-9-tetrahydrocannabinol detected in Lung
- 0.907 (ug/mL, ug/g) 11-nor-9-carboxy-delta-9-tetrahydrocannabinol detected in Liver
- 0.0832 (ug/mL, ug/g) 11-nor-9-carboxy-delta-9-tetrahydrocannabinol detected in Lung
- 0.0064 (ug/mL, ug/g) Delta-9-tetrahydrocannabinol detected in Liver
- 0.0458 (ug/mL, ug/g) Delta-9-tetrahydrocannabinol detected in Lung

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CONTINUATION OF REF#: 201800052001 - [REDACTED]

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