



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
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Tuesday, December 18, 2018

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

ACCIDENT # 0232 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 11/17/2018 DATE RECEIVED 11/27/2018 PUTREFACTION: No
N # 4132A NTSB # CEN19FA028 CAMI REF # 201800232001
LOCATION OF ACCIDENT Fredericksburg, TX
SPECIMENS Muscle (Arm), Muscle (Thigh)

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.

- 15 (mg/dL, mg/hg) Ethanol detected in Muscle (Arm)
- NO ETHANOL detected in Muscle (Thigh)

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/>).

- NO DRUGS listed above detected in Muscle

[REDACTED]
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CAMI, FAA

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