



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

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Wednesday, August 21, 2019

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

ACCIDENT # 0137 **INDIVIDUAL#:** 002 **NAME:** [REDACTED] **MODE:** AVIATION
DATE OF ACCIDENT 06/30/2019 **DATE RECEIVED** 07/02/2019 **PUTREFACTION:** No
 N # 534FF **NTSB #** CEN19MA190 **CAMI REF #** 201900137002
LOCATION OF ACCIDENT Addison, TX

SPECIMENS Bile, Blood (Femoral), Blood (Heart), Blood (Subclav.), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, 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 (Subclav.)

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 Blood (Femoral)

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), 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 Blood (Femoral)
- Atorvastatin detected in Urine
- Desloratadine detected in Blood (Femoral)
- Desloratadine detected in Urine
- Loratadine detected in Blood (Femoral)
- Loratadine NOT detected in Urine
- Valsartan detected in Blood (Femoral)
- Valsartan detected in Urine
- Hydrochlorothiazide detected in Urine
- Hydrochlorothiazide detected in Blood (Femoral)
- Desmethylsildenafil NOT detected in Blood (Femoral)
- Desmethylsildenafil detected in Urine

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CONTINUATION OF REF#: 201900137002 — Cassady, Jr., Howard H.

A black rectangular redaction box covers a handwritten signature in blue ink.

c=US, o=U.S. Government, ou=AMC,
ou=AMC, cn=RUSSELL J LEWIS
2019.08.23 10:26:20 -05'00'

Russell Lewis, Ph.D., F-ABFT
Supervisor, Forensic Sciences
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CAMI, FAA