



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**

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Tuesday, February 12, 2019

National Transportation Safety Board
505 South 336th Street, Suite 540
Federal Way, WA 98003

ACCIDENT # 0007 **INDIVIDUAL#:** 001 **NAME:** ██████████ **MODE:** AVIATION
DATE OF ACCIDENT 01/07/2019 **DATE RECEIVED** 01/10/2019 **PUTREFACTION:** No
 N # 100JB **NTSB #** WPR19LA058 **CAMI REF #** 201900007001
LOCATION OF ACCIDENT Colusa, CA
SPECIMENS Blood (Femoral), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spinal Fluid, Spleen, 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.

- INSUFFICIENT SPECIMEN FOR ANALYSIS

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/>).

- 6 (ng/mL, ng/g) Zolpidem detected in Muscle
- 33 (ng/mL, ng/g) Zolpidem detected in Liver
- Venlafaxine detected in Muscle
- Venlafaxine detected in Liver
- Desmethylvenlafaxine (O-) detected in Muscle
- Desmethylvenlafaxine (O-) detected in Liver
- Lamotrigine detected in Muscle
- Lamotrigine detected in Liver
- Bupropion detected in Muscle
- Bupropion detected in Liver
- Hydroxybupropion detected in Muscle
- Hydroxybupropion detected in Liver



Tuesday, February 12, 2019

CONTINUATION OF REF#: 201900007001

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS
2019.02.14 16:24:38 -06'00'

Russell Lewis, Ph.D., F-ABFT
Supervisor, Forensic Sciences
Bioaeronautical Sci. Research Lab
CAMI, FAA