



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

Wednesday, April 3, 2019

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

ACCIDENT #	0023	INDIVIDUAL#:	001	NAME:	[REDACTED]	MODE:	AVIATION
DATE OF ACCIDENT	01/28/2019	DATE RECEIVED	02/08/2019	PUTREFACTION:	No		
	N # 37RV	NTSB #	WPR19FA075	CAMI REF #	201900023001		
LOCATION OF ACCIDENT	Oceanside, CA						
SPECIMENS	Bile, Blood, Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine						

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

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

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/>).

- 2.1 (ng/mL, ng/g) Delta-9-THC detected in Blood
- Delta-9-THC detected in Urine
- 0.97 (ng/mL, ng/g) 11-Hydroxy-Delta-9-THC detected in Blood
- 43.8 (ng/mL, ng/g) 11-Hydroxy-Delta-9-THC detected in Urine
- 10.1 (ng/mL, ng/g) Carboxy-Delta-9-THC detected in Blood
- 142.7 (ng/mL, ng/g) Carboxy-Delta-9-THC detected in Urine
- 62.2 (ng/mL, ng/g) Cocaine detected in Blood
- Cocaine detected in Urine
- 243.9 (ng/mL, ng/g) Benzoylcegonine detected in Blood
- Benzoylcegonine detected in Urine
- Ecgonine Methyl Ester detected in Blood
- Ecgonine Methyl Ester detected in Urine

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CONTINUATION OF REF#: 201900023001 - [REDACTED]

- Levamisole detected in Blood
- Levamisole detected in Urine
- Ibuprofen detected in Urine

[REDACTED]

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