



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

Oklahoma City, Oklahoma 73125

Wednesday, August 7, 2019

National Transportation Safety Board

Federal Way, WA 98003

ACCIDENT #	0145	INDIVIDUAL#:	001	NAME:		MODE:	AVIATION
DATE OF ACCIDENT	06/30/2019	DATE RECEIVED	07/09/2019	PUTREFACTION:	Yes		
	N # 66DN	NTSB #	WPR19FA182	CAMI REF #	201900145001		
LOCATION OF ACCIDENT	Moab, UT						
SPECIMENS	Heart, Kidney, Liver, Lung, Muscle, Spleen						

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.

- 45 (mg/dL, mg/hg) Ethanol detected in Liver
- 113 (mg/dL, mg/hg) Ethanol detected in Muscle
- Propanol (N-) detected in Muscle

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/>).

- 87.2 (ng/mL, ng/g) Carboxy-Delta-9-THC detected in Liver
- 1.1 (ng/mL, ng/g) Carboxy-Delta-9-THC detected in Muscle

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=
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CAMI, FAA