



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

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Wednesday, January 10, 2018

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT #	0250	INDIVIDUAL#:	003	NAME:		MODE:	AVIATION
DATE OF ACCIDENT	12/08/2017	DATE RECEIVED	12/14/2017	PUTREFACTION:	No		
	N # 19LW	NTSB #	WPR18FA045	CAMI REF #	201700250003		
LOCATION OF ACCIDENT	Geneva, FL						
SPECIMENS	Gastric, 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.

>> 22 (mg/dL, mg/hg) Ethanol detected in Lung
>> NO ETHANOL detected in Muscle

DRUGS: Specimens are analyzed using immunoassay, chromatography, GC/MS, HPLC/MS, or GC/FTIR. 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/>).

>> NO DRUGS listed above detected in Muscle

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J
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2018.01.19 08:27:14 -06'00'

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