



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

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Friday, October 14, 2016

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

ACCIDENT # 0194	INDIVIDUAL#: 001	NAME: [REDACTED]	MODE: AVIATION
DATE OF ACCIDENT 09/07/2016	DATE RECEIVED 09/09/2016	PUTREFACTION: No	
N # 465JM	NTSB # CEN16FA361	CAMI REF # 201600194001	
LOCATION OF ACCIDENT Chariton, IA			
SPECIMENS Bile, Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, 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.

>> 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.

>> NO ETHANOL detected in Muscle
>> NO ETHANOL detected in Brain

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://jaq.cami.iccbi.gov/toxicology/>).

>> NO DRUGS listed above detected in Liver

c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
2016.10.31 15:51:32 -05'00'

Russell Lewis, Ph.D., F-ABFT
TC, FAA, Forensic Toxicology
Research Team CAMI