



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

Mike Monroney  
Aeronautical Center

██████████  
Oklahoma City, Oklahoma 73125

Friday, May 05, 2017

National Transportation Safety Board

██████████  
Federal Way, WA 98003

**ACCIDENT #** 0075    **INDIVIDUAL#:** 002    **NAME:** ██████████    **MODE:** AVIATION  
**DATE OF ACCIDENT** 04/07/2017    **DATE RECEIVED** 04/11/2017    **PUTREFACTION:** No  
   **N #** 123SB    **NTSB #** WPR17FA085    **CAMI REF #** 201700075002  
**LOCATION OF ACCIDENT** Harrisburg, OR  
**SPECIMENS** Blood, Brain, 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.

>> 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 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), 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/>).

>> NO DRUGS listed above detected in Liver

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c=US, o=U.S. Government, ou=AMC, ou=AMC,  
cn=RUSSELL J LEWIS  
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TC, FAA, Forensic Toxicology  
Research Team CAMI