



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

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

Monday, June 08, 2015

National Transportation Safety Board  
45065 Riverside Parkway  
Ashburn, VA 20147

ACCIDENT # 0089    INDIVIDUAL#: 001    NAME: Byrd, Grady G. III    MODE: AVIATION  
DATE OF ACCIDENT 05/08/2015    DATE RECEIVED 05/19/2015    PUTREFACTION: No  
N # 5802V    NTSB # ERA15FA208    CAMI REF # 201500089001  
LOCATION OF ACCIDENT Chamblee, GA  
SPECIMENS Bile, Blood, Brain, 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.

>> NO CARBON MONOXIDE 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 Vitreous

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 Blood

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