



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

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Thursday, February 16, 2012

National Transportation Safety Board
624 Six Flags Drive, Suite 150
Arlington, TX 76011

ACCIDENT #	0001	INDIVIDUAL#:	001	NAME:	BUTLER, MICHAEL D.	MODE:	AVIATION
DATE OF ACCIDENT	12/19/2011	DATE RECEIVED	01/06/2012	PUTREFACTION:	Yes		
	N # 3590T	NTSB #	CEN12FA108	CAMI REF #	201200001001		
LOCATION OF ACCIDENT	Bryan, TX						
SPECIMENS	Bile, Brain, Gastric, Heart, Kidney, Liver, 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. Positive 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 ethanol concentration is determined by Radiative Energy Attenuation at a cut off of 20 mg/dl.

>> NO ETHANOL detected in Vitreous

DRUGS: Immunoassay and/or chromatography are used to screen for drugs. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR is used to confirm most positive results. 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). For comprehensive information concerning all drugs detected by the laboratory, see the CAMI Drug Information Web Site <http://jag.cami.jccbi.gov/toxicology/>.

>> 0.008 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Liver

>> 0.0064 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Kidney

[Redacted Signature]

Date: 2012.02.16 09:29:27 -06'00'

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