



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, May 19, 2016

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

ACCIDENT #	0060	INDIVIDUAL#:	002	NAME:	[REDACTED]	MODE:	AVIATION
DATE OF ACCIDENT	04/09/2016	DATE RECEIVED	04/15/2016	PUTREFACTION:	Yes		
	N # 690TH	NTSB #	CEN16FA146	CAMI REF #	201600060002		
LOCATION OF ACCIDENT	Taylor, TX						
SPECIMENS	Heart, Kidney, Liver, Lung, Muscle						

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.

>> 20 (mg/dL, mg/hg) Ethanol detected in Muscle

>> 20 (mg/dL, mg/hg) Ethanol detected in Liver

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/>).

>> Valsartan detected in Liver

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



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Mike Monroney
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P.O. Box 25082
Oklahoma City, Oklahoma 73125

Tuesday, December 20, 2016

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

ACCIDENT #	0060	INDIVIDUAL#:	002	NAME:	[REDACTED]	MODE:	AVIATION
DATE OF ACCIDENT	04/09/2016	DATE RECEIVED	04/15/2016	PUTREFACTION:	Yes		
	N # 690TH	NTSB #	CEN16FA146	CAMI REF #	201600060002		
LOCATION OF ACCIDENT	Taylor, TX						
SPECIMENS	Heart, Kidney, Liver, Lung, Muscle						

AMENDED 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.

>> 20 (mg/dL, mg/hg) Ethanol detected in Liver
>> 20 (mg/dL, mg/hg) Ethanol detected in Heart

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/>).

- > Dextromethorphan detected in Kidney
- > Dextromethorphan detected in Liver
- > Dextromethorphan detected in Muscle (received on 4-15-16)
- > Tetrahydrocannabinol (Marijuana) NOT detected in Muscle (received on 4-15-16)
- > Tetrahydrocannabinol (Marijuana) NOT detected in Muscle (received on 9-22-16)
- > Tetrahydrocannabinol Carboxylic Acid (Marijuana) NOT detected in Muscle (received on 4-15-16)
- > Tetrahydrocannabinol Carboxylic Acid (Marijuana) NOT detected in Muscle (received on 9-22-16)
- > Valsartan detected in Liver
- > Valsartan NOT detected in Muscle (received on 4-15-16)
- > Valsartan NOT detected in Muscle (received on 9-22-16)

Tuesday, December 20, 2016

CONTINUATION OF REF#: 201600060002 — [REDACTED]

-Notes:

Identity of Muscle sample, received on 9-22-16, was confirmed by DNA testing at an external laboratory through Central Texas Autopsy.

[REDACTED]

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