



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

Wednesday, August 16, 2017

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT # 0138 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 07/01/2017 DATE RECEIVED 07/13/2017 PUTREFACTION: Yes
N # 49453 NTSB # ERA17FA231 CAMI REF # 201700138001
LOCATION OF ACCIDENT Homestead, FL
SPECIMENS 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.

>> 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.

>> 79 (mg/dL, mg/hg) Ethanol detected in Liver
>> 67 (mg/dL, mg/hg) Ethanol detected in Muscle
>> Propanol (N-) detected in Muscle
>> Propanol (N-) 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), 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://jag.cami.jccbi.gov/toxicology/>).

>> NO DRUGS listed above detected in Heart

[REDACTED]

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS
2017.08.17 14:41:47 -05'00'

Russell Lewis, Ph.D., F-ABFT
Supervisor, Forensic Sciences
Bioaeronautical Sci. Research Lab
CAMI, FAA



Miami-Dade County
Medical Examiner Department

Miami, FL
Phone Fax



TOXICOLOGY REPORT

August 28, 2017

ME Case # 2017-01991

Decedents Name:

SUBSTANCE	SPECIMEN	RESULT	METHOD
ETHANOL	Blood - Right Chest	0.094 %	HS-GC-FID
ETHANOL	Bile	0.099 %	HS-GC-FID
BENZODIAZEPINES	Blood - Right Chest	UNDETECTED	ELISA
BENZOYLECGONINE	Blood - Right Chest	UNDETECTED	ELISA
OPIATES	Blood - Right Chest	UNDETECTED	ELISA
OXYCODONE	Blood - Right Chest	UNDETECTED	ELISA
TETRAHYDROCANNABINOL	Blood - Right Chest	UNDETECTED	GC-MS/MS
11-HYDROXY TETRAHYDROCANNABINOL	Blood - Right Chest	UNDETECTED	GC-MS/MS
9-CARBOXY TETRAHYDROCANNABINOL	Blood - Right Chest	UNDETECTED	GC-MS/MS
ACID NEUTRAL DRUGS	Blood - Right Chest	UNDETECTED	GC-NPD-MS
BASIC DRUGS	Blood - Right Chest	UNDETECTED	GC-NPD-MS

Reviewed By:

Katherine L. Kenerson, M.D.
Associate Medical Examiner
August 28, 2017 3:09 pm

Diane M. Boland Ph.D, F-ABFT
Toxicology Division Director
August 25, 2017 11:20 am

QC by: GH