



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, December 27, 2018

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT # 0238 INDIVIDUAL#: 002 NAME: [REDACTED] Pilot MODE: AVIATION
DATE OF ACCIDENT 12/01/2018 DATE RECEIVED 12/04/2018 PUTREFACTION: No
N # 79HP NTSB # ERA19FA060 CAMI REF # 201800238002
LOCATION OF ACCIDENT Fort Lauderdale, FL
SPECIMENS Bile, Blood (Periph.), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spinal Fluid, 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.

- 14% CARBOXYHEMOGLOBIN detected in Blood (Periph.)

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.

- NO CYANIDE detected in Blood (Periph.)

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 Blood (Periph.)

DRUGS: Specimens are analyzed using immunoassay, chromatography, mass spectrometry, or spectrophotometry. 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 Blood (Periph.)

[REDACTED]

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS
2019.01.07 16:05:25 -06'00'

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



Broward County Office of the Medical Examiner and Trauma Services

Fort Lauderdale, Florida

Final Toxicology Report

BME2018-3457

Pilot

51 years old Hispanic Male

Date Of Birth

Case No: **BME2018-3457**

Submitting Agency: Broward County Medical Examiner's Office

Specimen Collection Date: 12/2/2018 08:30

Specimen Received Date: 12/3/2018 08:48

Specimen:

Bile
Blood (CO)
Blood (peripheral)
Brain
Gastric
Liver
Serum
Skeletal muscle
Vitreous

<u>Specimen</u>	<u>Procedure</u>	<u>Drug Class</u>	<u>Result</u>	<u>Concentration</u>
Blood (CO)	CO-Oximeter	Carboxyhemoglobin Saturation	Positive	14 %
Blood (peripheral)	EIA Drug Screen	Amphetamines/Methamphetamines	Unconfirmed positive	
Blood (peripheral)	GC/MS	Acid/Neutral Drug Screen	Drugs not detected	
Blood (peripheral)	GC/MS	Amphetamines/Methamphetamines	None detected	
Blood (peripheral)	GC/MS	Basic Drug Screen	None detected	
Blood (peripheral)	HSGC/FID	Ethanol	None detected	
Vitreous	HSGC/FID	Ethanol	None detected	

Gary W. Kunsman, Ph.D., F-ABFT
Toxicologist
Date reviewed: 12/16/2018

*** Specimens are retained and disposed of in accordance with Florida Administrative Code Rule 11G-2.004. ***