



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

Monday, June 10, 2019

National Transportation Safety Board  
45065 Riverside Parkway  
Ashburn, VA 20147

Pilot

ACCIDENT # 0094    INDIVIDUAL#: 001    NAME: [REDACTED]    MODE: AVIATION  
DATE OF ACCIDENT 05/11/2019    DATE RECEIVED 05/17/2019    PUTREFACTION: No  
N # 7650Y    NTSB # ERA19FA170    CAMI REF # 201900094001  
LOCATION OF ACCIDENT Naples, FL  
SPECIMENS 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.

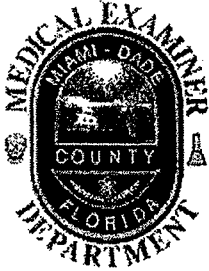
- NO ETHANOL detected in Muscle

**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), 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 Muscle

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

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS  
2019.06.13 13:20:18 -05'00'



Miami-Dade County  
Medical Examiner Department

Miami, FL  
Phone [REDACTED] Fax [REDACTED]



**TOXICOLOGY REPORT**

July 02, 2019

Lab # **N2019-00124**

Decedents Name: [REDACTED] Pilot

Agency: **District 20 Medical Examiner Dept (Naples)**

Agency # **2019251**

SUBSTANCE	SPECIMEN	RESULT	METHOD
VOLATILES	Skeletal Muscle	UNDETECTED	HS-GC-FID
BENZODIAZEPINES	Muscle	UNDETECTED	ELISA
BENZOYLECGONINE	Muscle	UNDETECTED	ELISA
CANNABINOIDS	Muscle	UNDETECTED	ELISA
OPIATES	Muscle	UNDETECTED	ELISA
OXYCODONE	Muscle	UNDETECTED	ELISA
CARBON MONOXIDE	Skeletal Muscle	UNDETECTED	Microdiffusion
ACID NEUTRAL DRUGS	Muscle	UNDETECTED	GC-NPD-MS
BASIC DRUGS	Muscle	UNDETECTED	GC-NPD-MS

Reviewed By:

[REDACTED]  
Manfred C. Borges, M.D.  
Deputy Chief Medical Examiner  
July 2, 2019 9:15 am

[REDACTED]  
Diane M. Boland Ph.D, F-ABFT  
Toxicology Division Director  
June 11, 2019 8:53 am

QC by: LZ