



FORENSIC TOXICOLOGY REPORT

FAA Civil Aerospace Medical Institute
Bioaeronautical Sciences Research Branch, Forensic Sciences
P.O. Box 25082, Oklahoma City, Oklahoma 73125
Ph: 405-954-6254, Fax: 405-954-3705



December 16, 2019

NAME [REDACTED]

CAMI # 201900249001

NTSB # ERA20FA027

LOCATION Stuart, FL

MODE Aviation

N # 10VD

DATE OF ACCIDENT 11/1/2019

DATE RECEIVED 11/7/2019

STATUS FATAL

SPECIMENS Bile, Brain, Kidney, Liver, Lung, Muscle

PUTREFACTION Yes

Screening tests employed

Muscle - Volatiles (HS GC/FID)
Lung - Volatiles (HS GC/FID)
Liver - Volatiles (HS GC/FID)
Kidney - Volatiles (HS GC/FID)
Brain - Volatiles (HS GC/FID)
Liver - Drugs of abuse (Immunoassay)
Liver - General drug screen (LC/MS, GC/MS)

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Ethanol	626 (mg/dL, mg/hg)	Liver	HSGC/FID
Ethanol	47 (mg/dL, mg/hg)	Muscle	HSGC/FID
Ethanol	Not Detected	Lung	HSGC/FID
Ethanol	10 (mg/dL, mg/hg)	Kidney	HSGC/FID
Ethanol	Not Detected	Brain	HSGC/FID
Acetone	Detected	Liver	HSGC/FID
Propanol (N-)	Detected	Liver	HSGC/FID
Propanol (N-)	Detected	Muscle	HSGC/FID
Isopropanol	Detected	Lung	HSGC/FID
Citalopram	Detected	Liver	GC/MS
Citalopram	Detected	Muscle	GC/MS
N-Desmethycitalopram	Detected	Liver	GC/MS
N-Desmethycitalopram	Detected	Muscle	GC/MS

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CONTINUATION

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NAME [REDACTED]

Analyte

Rosuvastatin

Rosuvastatin

Result

Detected

Detected

Specimen

Liver

Muscle

Instrument

LC/MS

LC/MS

[REDACTED]
c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
2019.12.16 13:19:32 -06'00'

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

This record may be releasable under the FOIA request 15 days after signature date, unless FOIA exemptions apply.

Results listed in this report relate to tested specimen(s) only. See Forensic Toxicology web site for testing methodology and cutoffs as well as drug, FOIA, and contact information.

<http://www.faa.gov/go/toxlab>

Patient: [REDACTED]
Client Patient ID: 19-19-825
Physician: O'Neil, Linda MD

Age: 59 Sex: M
Account #: FT0000085126
Client: Dist 19 Medical Examiner

TOXICOLOGY

Specimen Collected: 11/04/19

Lab Order No: 1104:T00026R

Reg Date: 11/05/19

Test Name	Result	Units	Cutoff/ Reporting Limits
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VOLATILE PANEL, TISSUE-VOLPT

SPECIMEN TYPE	LIVER	
ETHANOL	NONE DETECTED	g/100g
ACETONE	NONE DETECTED	mg/100g
METHANOL	NONE DETECTED	mg/100g
ISOPROPANOL	NONE DETECTED	mg/100g

Analysis by Gas Chromatography (GC) Headspace Injection

TISSUE DRUG SCREEN-TDSME

SPECIMEN TYPE	LIVER
GC/MS	
CAFFEINE	
LC/MS/MS	
CITALOPRAM, CAFFEINE, CAFFEINE METABOLITE	

TISSUE IMMUNOASSAY SCREEN

BARBITURATES	NEGATIVE	mg/kg	0.100
BENZODIAZEPINES	NEGATIVE	mg/kg	0.050
BUPRENORPHINE	NEGATIVE	mg/kg	0.001
COCAINE METABOLITE	NEGATIVE	mg/kg	0.100
FENTANYL	NEGATIVE	mg/kg	0.001
OPIATES	NEGATIVE	mg/kg	0.050

Specimens were intact upon receipt. Chain of custody, specimen security and integrity has been maintained. Testing has been performed as requested.

Reviewed by: [REDACTED] Date: 11-25-19

FINAL REPORT - THIS COMPLETES REPORTING ON THIS CASE

Toxicology Report

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