

FORENSIC TOXICOLOGY REPORT



FAA Civil Aerospace Medical Institute
Bioaeronautical Sciences Research Branch, Forensic Sciences
P.O. Box 25082, Oklahoma City, Oklahoma 73125
[REDACTED]



October 25, 2019

NAME [REDACTED] **CAMI #** 201900203001 **NTSB #** CEN19LA316
LOCATION Eustace, TX **MODE** Aviation **N #** 6035L
DATE OF ACCIDENT 9/12/2019 **DATE RECEIVED** 9/17/2019 **STATUS** FATAL

SPECIMENS Blood (Femoral), Blood (Subclav.), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spinal Fluid, Spleen, Urine, Vitreous

PUTREFACTION No

Screening tests employed

Blood (Subclav.) - Carboxyhemoglobin (UV/VIS)
Blood (Femoral) - Volatiles (HS GC/FID)
Urine - General drug screen (LC/MS, GC/MS)
Urine - Drugs of abuse (Immunoassay)
Vitreous - Glucose (Chemical Analyzer)
Urine - Glucose (Chemical Analyzer)

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Carboxyhemoglobin	Not Detected	Blood (Subclav.)	UV/VIS
Ethanol	Not Detected	Blood (Femoral)	HSGC/FID
Glucose	Not Detected	Vitreous	Analyzer
Glucose	9 (mg/dL)	Urine	Analyzer
Hydrocodone	28 (ng/mL, ng/g)	Blood (Femoral)	GC/MS
Hydrocodone	2770 (ng/mL, ng/g)	Urine	GC/MS
Dihydrocodeine	Detected	Blood (Femoral)	GC/MS
Dihydrocodeine	312 (ng/mL, ng/g)	Urine	GC/MS
Hydromorphone	0 (ng/mL, ng/g)	Blood (Femoral)	GC/MS
Hydromorphone	2851 (ng/mL, ng/g)	Urine	GC/MS
Carvedilol	Detected	Blood (Femoral)	LC/MS
Carvedilol	Detected	Urine	LC/MS

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c=US, o=U.S. Government, ou=AMC,
ou=AMC, cn=RUSSELL J LEWIS
2019.10.29 09:46:58 -05'00'

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CONTINUATION

CAMI # 201900203001

NAME [REDACTED]

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Atorvastatin	Detected	Blood (Femoral)	LC/MS
Atorvastatin	Detected	Urine	LC/MS
Amlodipine	Detected	Blood (Femoral)	LC/MS
Amlodipine	Detected	Urine	LC/MS
Acetaminophen	108 (ug/mL, ug/g)	Urine	Analyzer
Salicylate	Detected	Urine	Analyzer

[REDACTED]

c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
2019.10.29 09:46:25 -05'00'

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>