

FORENSIC TOXICOLOGY REPORT



FAA Civil Aerospace Medical Institute
Bioaeronautical Sciences Research Branch, Forensic Sciences
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December 27, 2019

NAME PILOT

CAMI # 201900222001

NTSB # ERA20FA002

LOCATION Asheboro, NC

MODE Aviation

N # 2FB

DATE OF ACCIDENT 10/4/2019

DATE RECEIVED 10/11/2019

STATUS FATAL

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

PUTREFACTION Yes

Screening tests employed

Muscle - Volatiles (HS GC/FID)

Brain - Volatiles (HS GC/FID)

Liver - Drugs of abuse (Immunoassay)

Liver - General drug screen (LC/MS, GC/MS)

Kidney - General drug screen (LC/MS, GC/MS)

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Ethanol	Not Detected	Muscle	HSGC/FID
Ethanol	14 (mg/dL, mg/hg)	Brain	HSGC/FID
Delta-9-THC	6.4 (ng/mL, ng/g)	Lung	LC/MS
Delta-9-THC	13.1 (ng/mL, ng/g)	Liver	LC/MS
Delta-9-THC	6.3 (ng/mL, ng/g)	Kidney	LC/MS
Carboxy-Delta-9-THC	Not Detected	Lung	LC/MS
Carboxy-Delta-9-THC	46.7 (ng/mL, ng/g)	Liver	LC/MS
Carboxy-Delta-9-THC	23.9 (ng/mL, ng/g)	Kidney	LC/MS
11-Hydroxy-Delta-9-THC	Not Detected	Lung	LC/MS
11-Hydroxy-Delta-9-THC	4.9 (ng/mL, ng/g)	Liver	LC/MS
11-Hydroxy-Delta-9-THC	Not Detected	Kidney	LC/MS
Meloxicam	Detected	Liver	LC/MS
Meloxicam	Detected	Kidney	LC/MS

c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
2020.01.07 14:30:17 -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>