

FORENSIC TOXICOLOGY REPORT



FAA Civil Aerospace Medical Institute
Bioaeronautical Sciences Research Branch, Forensic Sciences



January 20, 2023

NAME [REDACTED]
LOCATION Chandler, TX
DATE OF ACCIDENT 10/21/2022

CAMI # 202200197001
MODE Aviation
DATE RECEIVED 10/26/2022

NTSB # CEN23FA016
N # 86GV
STATUS FATAL

SPECIMENS Bile, Blood, Kidney, Liver, Lung, Muscle

PUTREFACTION Yes

Screening tests employed

Blood - Carboxyhemoglobin (UV/VIS)
Muscle - Volatiles (HS GC/FID)
Kidney - Volatiles (HS GC/FID)
Blood - Volatiles (HS GC/FID)
Blood - Drugs of abuse (Immunoassay)
Blood - General drug screen (LC/MS, GC/MS)

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Carboxyhemoglobin	Unsuitable	Blood	UV/VIS
Ethanol	22 (mg/dL, mg/hg)	Blood	HSGC/FID
Ethanol	49 (mg/dL, mg/hg)	Kidney	HSGC/FID
Ethanol	75 (mg/dL, mg/hg)	Muscle	HSGC/FID
Citalopram	Detected	Blood	GC/MS
Citalopram	4188 (ng/mL, ng/g)	Lung	GC/MS
N-Desmethycitalopram	Detected	Blood	GC/MS
N-Desmethycitalopram	945 (ng/mL, ng/g)	Lung	GC/MS
Zolpidem	5 (ng/mL, ng/g)	Blood	LC/MS
Zolpidem	Detected	Liver	LC/MS
Hydromorphone	1 (ng/mL, ng/g)	Blood	LC/MS
Hydromorphone	3 (ng/mL, ng/g)	Liver	LC/MS
Hydrocodone	21 (ng/mL, ng/g)	Blood	LC/MS
Hydrocodone	303 (ng/mL, ng/g)	Liver	LC/MS

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CONTINUATION

CAMI # 202200197001

NAME [REDACTED]

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Dihydrocodeine	4 (ng/mL, ng/g)	Blood	LC/MS
Dihydrocodeine	46 (ng/mL, ng/g)	Liver	LC/MS
Gabapentin	19486 (ng/mL, ng/g)	Blood	LC/MS
Gabapentin	20772 (ng/mL, ng/g)	Liver	LC/MS
Amitriptyline	20 (ng/mL, ng/g)	Blood	LC/MS
Amitriptyline	Detected	Liver	LC/MS
Nortriptyline	Detected	Blood	LC/MS
Nortriptyline	Detected	Liver	LC/MS
Glipizide	Detected	Blood	LC/MS
Glipizide	Detected	Liver	LC/MS
Valsartan	Detected	Blood	LC/MS
Valsartan	Detected	Liver	LC/MS
Atorvastatin	Detected	Blood	LC/MS
Atorvastatin	Detected	Liver	LC/MS
Carvedilol	Detected	Blood	LC/MS
Carvedilol	Detected	Liver	LC/MS
Clopidogrel	Detected	Blood	LC/MS
Clopidogrel	Detected	Liver	LC/MS
Sildenafil	Detected	Blood	LC/MS
Sildenafil	Not Detected	Liver	LC/MS
Tamsulosin	Not Detected	Blood	LC/MS
Tamsulosin	Detected	Liver	LC/MS

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[REDACTED]
Russell Lewis, Ph.D., F-ABFT
Manager, Bioaeronautical Sciences Research Branch
Civil Aerospace Medical Institute, 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>