

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 5, 2022

NAME [REDACTED]

CAMI # 202200212002

NTSB # CEN23MA034

LOCATION Dallas, TX

MODE Aviation

N # 7227C

DATE OF ACCIDENT 11/12/2022

DATE RECEIVED 11/15/2022

STATUS FATAL

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

PUTREFACTION No

Screening tests employed

- Liver - 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	Not Detected	Brain	HSGC/FID
Ethanol	Not Detected	Liver	HSGC/FID
Dextromethorphan	Detected	Liver	LC/MS
Dextromethorphan	Detected	Muscle	LC/MS
Tamsulosin	Detected	Liver	LC/MS
Tamsulosin	Detected	Muscle	LC/MS

2022.12.07 16:28:33
-06'00'

[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>

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December 14, 2022

NAME [REDACTED]

CAMI # 202200212003

NTSB # CEN23MA034

LOCATION Dallas, TX

MODE Aviation

N # 7227C

DATE OF ACCIDENT 11/12/2022

DATE RECEIVED 11/15/2022

STATUS FATAL

SPECIMENS Heart, Kidney, Liver, Lung, Muscle, Spleen

PUTREFACTION No

Screening tests employed

- Muscle - Volatiles (HS GC/FID)
- Liver - 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	Not Detected	Liver	HSGC/FID
Ethanol	Not Detected	Muscle	HSGC/FID
Diazepam	14 (ng/mL, ng/g)	Kidney	LC/MS
Diazepam	4 (ng/mL, ng/g)	Muscle	LC/MS
Nordiazepam	36 (ng/mL, ng/g)	Kidney	LC/MS
Nordiazepam	21 (ng/mL, ng/g)	Muscle	LC/MS
Diphenhydramine	Detected	Lung	GC/MS
Diphenhydramine	Detected	Muscle	GC/MS
Chlorpheniramine	Detected	Lung	GC/MS
Chlorpheniramine	Detected	Muscle	GC/MS
Timolol	Detected	Heart	LC/MS
Timolol	Detected	Muscle	LC/MS
Metoprolol	Detected	Heart	LC/MS
Metoprolol	Detected	Muscle	LC/MS
Amlodipine	Detected	Heart	LC/MS
Amlodipine	Detected	Muscle	LC/MS

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2022.12.15 15:13:38 -06'00'

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December 14, 2022

CONTINUATION

CAMI # 202200212003

NAME [REDACTED]

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Valsartan	Detected	Heart	LC/MS
Valsartan	Detected	Muscle	LC/MS

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2022.12.15 15:13:09
-06'00'

Russell Lewis, Ph.D., F-ABFT
Manager, Bioaeronautical Sciences Research Branch
Civil Aerospace Medical Institute, FAA

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December 27, 2022

NAME [REDACTED] **CAMI #** 202200212004 **NTSB #** CEN23MA034
LOCATION Dallas, TX **MODE** Aviation **N #** 7227C
DATE OF ACCIDENT 11/12/2022 **DATE RECEIVED** 11/15/2022 **STATUS** FATAL

SPECIMENS Heart, Liver, Lung, Muscle

PUTREFACTION No

Screening tests employed

- Muscle - Volatiles (HS GC/FID)
- Heart - Volatiles (HS GC/FID)
- Muscle - 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	Not Detected	Muscle	HSGC/FID
Ethanol	Not Detected	Heart	HSGC/FID
Rosuvastatin	Detected	Liver	LC/MS
Rosuvastatin	Inconclusive	Muscle	LC/MS

[REDACTED SIGNATURE]

2023.01.05
17:29:16 -06'00'

Russell Lewis, Ph.D., F-ABFT
Manager, Bioaeronautical Sciences Research Branch
Civil Aerospace Medical Institute, FAA

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January 11, 2023

NAME [REDACTED] **CAMI #** 202200212005 **NTSB #** CEN23MA034
LOCATION Dallas, TX **MODE** Aviation **N #** 7227C
DATE OF ACCIDENT 11/12/2022 **DATE RECEIVED** 11/16/2022 **STATUS** FATAL

SPECIMENS Brain, Heart, Kidney, Liver, Lung, Muscle, Vitreous

PUTREFACTION No

Screening tests employed

- Vitreous - Volatiles (HS GC/FID)
- Liver - Volatiles (HS GC/FID)
- Brain - Volatiles (HS GC/FID)
- Vitreous - Glucose (Chemical Analyzer)
- Liver - Drugs of abuse (Immunoassay)
- Muscle - General drug screen (LC/MS, GC/MS)
- Liver - General drug screen (LC/MS, GC/MS)

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Ethanol	Not Detected	Vitreous	HSGC/FID
Ethanol	23 (mg/dL, mg/hg)	Liver	HSGC/FID
Ethanol	Not Detected	Brain	HSGC/FID
Glucose	Not Detected	Vitreous	Analyzer
Naproxen	Detected	Liver	LC/MS
Naproxen	Detected	Muscle	LC/MS
Meclizine	Detected	Liver	LC/MS
Meclizine	Detected	Muscle	LC/MS

[REDACTED] 2023.01.12 17:33:05
-06'00'

Russell Lewis, Ph.D., F-ABFT
Manager, Bioaeronautical Sciences Research Branch
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