

# FORENSIC TOXICOLOGY REPORT



FAA Civil Aerospace Medical Institute  
Bioaeronautical Sciences Research Branch, Forensic Sciences  
[REDACTED] Oklahoma City, Oklahoma 73125  
Ph: [REDACTED], Fax: [REDACTED]



April 2, 2020

NAME [REDACTED]  
LOCATION Auburn, CA  
DATE OF ACCIDENT 1/24/2020

CAMI # 202000016002  
MODE Aviation  
DATE RECEIVED 1/29/2020

NTSB # WPR20FA077  
N # 50249  
STATUS FATAL

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

PUTREFACTION No

## Screening tests employed

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

| <u>Analyte</u>    | <u>Result</u>      | <u>Specimen</u>  | <u>Instrument</u> |
|-------------------|--------------------|------------------|-------------------|
| Carboxyhemoglobin | Not Detected       | Blood (Subclav.) | UV/VIS            |
| Ethanol           | Not Detected       | Blood (Subclav.) | HSGC/FID          |
| Glucose           | Not Detected       | Vitreous         | Analyzer          |
| Glucose           | Not Detected       | Urine            | Analyzer          |
| Hydrocodone       | 34 (ng/mL, ng/g)   | Blood (Subclav.) | GC/MS             |
| Hydrocodone       | 1019 (ng/mL, ng/g) | Urine            | GC/MS             |
| Hydromorphone     | Not Detected       | Blood (Subclav.) | GC/MS             |
| Hydromorphone     | 126 (ng/mL, ng/g)  | Urine            | GC/MS             |
| Dihydrocodeine    | 5 (ng/mL, ng/g)    | Blood (Subclav.) | GC/MS             |
| Dihydrocodeine    | 136 (ng/mL, ng/g)  | Urine            | GC/MS             |
| Acetaminophen     | Detected           | Blood (Subclav.) | LC/MS             |
| Acetaminophen     | Detected           | Urine            | LC/MS             |

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ou=AMC, cn=[REDACTED]  
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April 2, 2020

## CONTINUATION

CAMI # 202000016002

NAME [REDACTED]

| <u>Analyte</u> | <u>Result</u> | <u>Specimen</u>  | <u>Instrument</u> |
|----------------|---------------|------------------|-------------------|
| Cetirizine     | Detected      | Blood (Subclav.) | LC/MS             |
| Cetirizine     | Detected      | Urine            | LC/MS             |
| Warfarin       | Detected      | Blood (Subclav.) | LC/MS             |
| Warfarin       | Detected      | Urine            | LC/MS             |

[REDACTED]  
c=US, o=U.S. Government, ou=AMC, ou=AMC,  
cn=[REDACTED]  
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[REDACTED], 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.