

# 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



February 11, 2021

**NAME** [REDACTED]  
**LOCATION** Colorado City, TX  
**DATE OF ACCIDENT** 12/10/2020

**CAMI #** 202000206001  
**MODE** Aviation  
**DATE RECEIVED** 12/15/2020

**NTSB #** CEN21LA084  
**N #** 7085Z  
**STATUS** FATAL

**SPECIMENS** Bile, Blood (Cavity), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Vitreous

**PUTREFACTION** No

## Screening tests employed

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

| <u>Analyte</u>    | <u>Result</u>        | <u>Specimen</u> | <u>Instrument</u> |
|-------------------|----------------------|-----------------|-------------------|
| Carboxyhemoglobin | Not Detected         | Blood (Cavity)  | UV/VIS            |
| Ethanol           | Not Detected         | Blood (Cavity)  | HSGC/FID          |
| Glucose           | Not Detected         | Vitreous        | Analyzer          |
| Delta-9-THC       | 81.7 (ng/mL, ng/g)   | Blood (Cavity)  | LC/MS             |
| Delta-9-THC       | Not Detected         | Vitreous        | LC/MS             |
| Delta-9-THC       | 26.4 (ng/mL, ng/g)   | Bile            | LC/MS             |
| Delta-9-THC       | 2664.5 (ng/mL, ng/g) | Gastric         | LC/MS             |
| Delta-9-THC       | 29.5 (ng/mL, ng/g)   | Liver           | LC/MS             |
| Delta-9-THC       | 914.4 (ng/mL, ng/g)  | Lung            | LC/MS             |
| Delta-9-THC       | 280 (ng/mL, ng/g)    | Kidney          | LC/MS             |
| Delta-9-THC       | 25.8 (ng/mL, ng/g)   | Spleen          | LC/MS             |
| Delta-9-THC       | 111.6 (ng/mL, ng/g)  | Muscle          | LC/MS             |
| Delta-9-THC       | 94.8 (ng/mL, ng/g)   | Brain           | LC/MS             |
| Delta-9-THC       | 809.6 (ng/mL, ng/g)  | Heart           | LC/MS             |

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## CONTINUATION

CAMI # 202000206001

NAME



| <u>Analyte</u>         | <u>Result</u>        | <u>Specimen</u> | <u>Instrument</u> |
|------------------------|----------------------|-----------------|-------------------|
| Carboxy-Delta-9-THC    | 356.6 (ng/mL, ng/g)  | Blood (Cavity)  | LC/MS             |
| Carboxy-Delta-9-THC    | 2.7 (ng/mL, ng/g)    | Vitreous        | LC/MS             |
| Carboxy-Delta-9-THC    | 22200 (ng/mL, ng/g)  | Bile            | LC/MS             |
| Carboxy-Delta-9-THC    | 254.2 (ng/mL, ng/g)  | Gastric         | LC/MS             |
| Carboxy-Delta-9-THC    | 3749.5 (ng/mL, ng/g) | Liver           | LC/MS             |
| Carboxy-Delta-9-THC    | 190.9 (ng/mL, ng/g)  | Lung            | LC/MS             |
| Carboxy-Delta-9-THC    | 637.1 (ng/mL, ng/g)  | Kidney          | LC/MS             |
| Carboxy-Delta-9-THC    | 73.3 (ng/mL, ng/g)   | Spleen          | LC/MS             |
| Carboxy-Delta-9-THC    | 61.3 (ng/mL, ng/g)   | Muscle          | LC/MS             |
| Carboxy-Delta-9-THC    | 94 (ng/mL, ng/g)     | Brain           | LC/MS             |
| Carboxy-Delta-9-THC    | 349.7 (ng/mL, ng/g)  | Heart           | LC/MS             |
| 11-Hydroxy-Delta-9-THC | 96 (ng/mL, ng/g)     | Blood (Cavity)  | LC/MS             |
| 11-Hydroxy-Delta-9-THC | Not Detected         | Vitreous        | LC/MS             |
| 11-Hydroxy-Delta-9-THC | 234.3 (ng/mL, ng/g)  | Bile            | LC/MS             |
| 11-Hydroxy-Delta-9-THC | 7.8 (ng/mL, ng/g)    | Gastric         | LC/MS             |
| 11-Hydroxy-Delta-9-THC | 171.1 (ng/mL, ng/g)  | Liver           | LC/MS             |
| 11-Hydroxy-Delta-9-THC | 46.7 (ng/mL, ng/g)   | Lung            | LC/MS             |
| 11-Hydroxy-Delta-9-THC | 14.4 (ng/mL, ng/g)   | Kidney          | LC/MS             |
| 11-Hydroxy-Delta-9-THC | 12.5 (ng/mL, ng/g)   | Spleen          | LC/MS             |
| 11-Hydroxy-Delta-9-THC | 16.1 (ng/mL, ng/g)   | Muscle          | LC/MS             |
| 11-Hydroxy-Delta-9-THC | 44.1 (ng/mL, ng/g)   | Brain           | LC/MS             |
| 11-Hydroxy-Delta-9-THC | 30.8 (ng/mL, ng/g)   | Heart           | LC/MS             |

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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>