



U.S. Department
of Transportation
**Federal Aviation
Administration**

THESE RECORDS MAY BE RELEASABLE UNDER THE FOIA REQUEST 15
DAYS AFTER SIGNATURE DATE UNLESS WE HEAR OTHERWISE FROM
FAA NTSB COUNSEL

Mike Monroney
Aeronautical Center

Oklahoma City, Oklahoma 73125

Monday, May 20, 2019

National Transportation Safety Board

Denver, CO 80239

ACCIDENT # 0068 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 04/08/2019 DATE RECEIVED 04/16/2019 PUTREFACTION: No
N # 118LS NTSB # WPR19FA106 CAMI REF # 201900068001
LOCATION OF ACCIDENT Santa Fe, NM
SPECIMENS Bile, Blood (Femoral), Blood (Heart), Brain, Heart, Kidney, Liver, Lung, Muscle, Urine, Vitreous

FINAL FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

CARBON MONOXIDE: The carboxyhemoglobin (COHb) saturation is determined by spectrophotometry with a 10% cut off and confirmed by chromatography.

- NO CARBOXYHEMOGLOBIN detected in Blood (Heart)

CYANIDE: The presence of cyanide is screened by Conway Diffusion, when the COHb level is equal to or greater than 10% or upon special request. Cyanides are quantitated by spectrophotometry and confirmed by chromatography. The reporting cutoff for cyanide is 0.25 ug/mL. Normal blood cyanide concentrations are less than 0.15 ug/mL, while lethal concentrations are greater than 3 ug/mL.

- NOT PERFORMED

VOLATILES: The volatile concentrations are determined by headspace gas chromatography at a cut off of 10 mg/dL. Where possible, positive ethanol values are confirmed by Radiative Energy Attenuation.

- NO ETHANOL detected in Urine

DRUGS: Specimens are analyzed using immunoassay, chromatography, mass spectrometry, or spectrophotometry. Concentrations (ug/mL) at or above those in () can be determined for, but not limited to, the following drugs: amphetamines (0.010), opiates (0.010), marihuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), and antihistamines (0.020). Drugs and/or their metabolites, that are not impairing or abused, may be reported from the initial tests. See the CAMI Drug Information Web Site for additional information (<http://jag.cami.jccbi.gov/toxicology/>).

- NO DRUGS listed above detected in Urine

[REDACTED], Ph.D., F-ABFT
Supervisor, Forensic Sciences
Bioaeronautical Sci. Research Lab
CAMI, FAA

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=[REDACTED]
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Mike Monroney
Aeronautical Center

Oklahoma City, Oklahoma 73125

Tuesday, May 21, 2019

National Transportation Safety Board

Denver, CO 80239

ACCIDENT # 0068 INDIVIDUAL#: 002 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 04/08/2019 DATE RECEIVED 04/18/2019 PUTREFACTION: No
N # 118LS NTSB # WPR19FA106 CAMI REF # 201900068002
LOCATION OF ACCIDENT Santa Fe, NM
SPECIMENS Blood (Heart), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine, Vitreous

FINAL FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

CARBON MONOXIDE: The carboxyhemoglobin (COHb) saturation is determined by spectrophotometry with a 10% cut off and confirmed by chromatography.

- NO CARBOXYHEMOGLOBIN detected in Blood (Heart)

CYANIDE: The presence of cyanide is screened by Conway Diffusion, when the COHb level is equal to or greater than 10% or upon special request. Cyanides are quantitated by spectrophotometry and confirmed by chromatography. The reporting cutoff for cyanide is 0.25 ug/mL. Normal blood cyanide concentrations are less than 0.15 ug/mL, while lethal concentrations are greater than 3 ug/mL.

- NOT PERFORMED

VOLATILES: The volatile concentrations are determined by headspace gas chromatography at a cut off of 10 mg/dL. Where possible, positive ethanol values are confirmed by Radiative Energy Attenuation.

- NO ETHANOL detected in Blood (Heart)

DRUGS: Specimens are analyzed using immunoassay, chromatography, mass spectrometry, or spectrophotometry. Concentrations (ug/mL) at or above those in () can be determined for, but not limited to, the following drugs: amphetamines (0.010), opiates (0.010), marihuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), and antihistamines (0.020). Drugs and/or their metabolites, that are not impairing or abused, may be reported from the initial tests. See the CAMI Drug Information Web Site for additional information (<http://jag.cami.jccbi.gov/toxicology/>).

- 1.4 (ng/mL, ng/g) Delta-9-THC detected in Blood (Heart)
- 0.9 (ng/mL, ng/g) Delta-9-THC detected in Urine
- 11-Hydroxy-Delta-9-THC NOT detected in Blood (Heart)
- 10.4 (ng/mL, ng/g) 11-Hydroxy-Delta-9-THC detected in Urine
- 6.4 (ng/mL, ng/g) Carboxy-Delta-9-THC detected in Blood (Heart)
- 22.3 (ng/mL, ng/g) Carboxy-Delta-9-THC detected in Urine
- Pioglitazone detected in Blood (Heart)

Tuesday, May 21, 2019

CONTINUATION OF REF#: 201900068002 - [REDACTED]

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

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CAMI, FAA