



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  
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P.O. Box 25082  
Oklahoma City, Oklahoma 73125

Friday, August 24, 2018

National Transportation Safety Board  
4760 Oakland Street, Suite 500  
Denver, CO 80239

|                      |                            |               |            |               |              |       |          |
|----------------------|----------------------------|---------------|------------|---------------|--------------|-------|----------|
| ACCIDENT #           | 0127                       | INDIVIDUAL#:  | 001        | NAME:         | [REDACTED]   | MODE: | AVIATION |
| DATE OF ACCIDENT     | 04/02/2018                 | DATE RECEIVED | 07/19/2018 | PUTREFACTION: | No           |       |          |
|                      | N # 68640                  | NTSB #        | CEN18FA266 | CAMI REF #    | 201800127001 |       |          |
| LOCATION OF ACCIDENT | Alma, CO                   |               |            |               |              |       |          |
| SPECIMENS            | Heart, Liver, Lung, Muscle |               |            |               |              |       |          |

### 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.

- NOT PERFORMED

**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.

- 50 (mg/dL, mg/hg) Ethanol detected in Liver
- 70 (mg/dL, mg/hg) Ethanol detected in Muscle

**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/>).

- 0.0317 (ug/mL, ug/g) 11-nor-9-carboxy-delta-9-tetrahydrocannabinol detected in Liver
- 0.001 (ug/mL, ug/g) 11-nor-9-carboxy-delta-9-tetrahydrocannabinol detected in Muscle
- 0.0042 (ug/mL, ug/g) Delta-9-tetrahydrocannabinol detected in Muscle

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J  
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