



U.S. Department of Transportation  
Federal Aviation Administration

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

Thursday, September 19, 2019

National Transportation Safety Board  
45065 Riverside Parkway  
Ashburn, VA 20147

ACCIDENT # 0179 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION  
DATE OF ACCIDENT 08/17/2019 DATE RECEIVED 08/20/2019 PUTREFACTION: No  
N # 303TL NTSB # ERA19FA249 CAMI REF # 201900179001  
LOCATION OF ACCIDENT Lagrangeville, NY  
SPECIMENS Blood, Blood (Iliac), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine

**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 (Iliac)

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 (Iliac)

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), marijuana (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/>).

- 51 (ng/mL, ng/g) Cocaine detected in Urine
- Cocaine NOT detected in Blood (Iliac)
- 3084 (ng/mL, ng/g) Benzoyllecgonine detected in Urine
- 72 (ng/mL, ng/g) Benzoyllecgonine detected in Blood (Iliac)
- Anhydroecgonine Methyl Ester detected in Urine
- Anhydroecgonine Methyl Ester NOT detected in Blood (Iliac)
- Ecgonine Methyl Ester detected in Urine
- Ecgonine Methyl Ester detected in Blood (Iliac)



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CONTINUATION OF REF#: 201900179001 - [REDACTED]

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