



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

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Friday, April 14, 2017

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

ACCIDENT # 0006 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 01/04/2017 DATE RECEIVED 01/10/2017 PUTREFACTION: No
N # 311SD NTSB # CEN17LA067 CAMI REF # 201700006001
LOCATION OF ACCIDENT Brookfield, WI
SPECIMENS Bile, Blood (Cavity), Blood (Heart), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spinal Fluid, Spleen, 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 CARBON MONOXIDE detected in Blood (Cavity)

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 Vitreous

DRUGS: Specimens are analyzed using immunoassay, chromatography, GC/MS, HPLC/MS, or GC/FTIR. 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/>).

>> 1.808 (ug/ml, ug/g) Ketamine detected in Liver
>> 0.767 (ug/ml, ug/g) Ketamine detected in Blood (Cardiac)
>> Midazolam detected in Blood (Cavity)
>> Midazolam detected in Liver
>> Morphine detected in Blood (Cavity)
>> 0.492 (ug/mL, ug/g) Norketamine detected in Liver
>> 0.058 (ug/mL, ug/g) Norketamine detected in Blood (Cavity)

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ou=AMC, cn=RUSSELL J LEWIS
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Friday, April 14, 2017

CONTINUATION OF REF#: 201700006001 — [REDACTED]

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

2017.04.18 15:41:29 -05'00'

Russell Lewis, Ph.D., F-ABFT
TC, FAA, Forensic Toxicology
Research Team CAMI