



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

THESE RECORDS MAY BE RELEASABLE UNDER THE FOIA REQUEST 15
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FAA NTSB COUNSEL

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Monday, November 09, 2015

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

ACCIDENT # 0174 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 08/21/2015 DATE RECEIVED 08/27/2015 PUTREFACTION: Yes
N # 8265B NTSB # CEN15FA378 CAMI REF # 201500174001
LOCATION OF ACCIDENT Martinville, IL
SPECIMENS Bile, Liver

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.

>> 20 (mg/dL, mg/hg) Ethanol detected in Liver

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/>).

>> 0.209 (ug/ml, ug/g) Codeine detected in Bile
>> 0.03 (ug/ml, ug/g) Codeine detected in Liver
>> Diphenhydramine detected in Bile
>> Diphenhydramine detected in Liver
>> 0.057 (ug/ml, ug/g) Hydrocodone detected in Bile
>> Metoprolol detected in Liver
>> 0.446 (ug/ml, ug/g) Morphine detected in Bile
>> Morphine detected in Liver
>> 0.409 (ug/mL, ug/g) Oxycodone detected in Bile
>> 0.282 (ug/mL, ug/g) Oxycodone detected in Liver
>> Oxymorphone detected in Bile
>> Oxymorphone detected in Liver

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CONTINUATION OF REF#: 201500174001 [REDACTED]

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2015.11.09 15:53:45 -06'00'

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