



U.S. Department
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**Federal Aviation
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FAA NTSB COUNSEL

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Monday, May 08, 2017

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT # 0043 INDIVIDUAL#: 002 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 02/16/2017 DATE RECEIVED 03/08/2017 PUTREFACTION: No
N # 24695 NTSB # ERA17FA106 CAMI REF # [REDACTED]
LOCATION OF ACCIDENT Winder, GA
SPECIMENS Bile, Blood (Cavity), 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 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), 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/>).

>> 0.082 (ug/ml, ug/g) Amphetamine detected in Urine

>> 0.007 (ug/ml, ug/g) Amphetamine detected in Blood (Cavity)



c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J
LEWIS
2017.05.09 14:10:41 -05'00'

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



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Amphetamine

Description	Amphetamine is a widely used drug of abuse. However, amphetamine is used in the medical field primarily in combination with dextroamphetamine for the treatment of narcolepsy and attention deficit disorder with hyperactivity.
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Therapeutic Low	0.0020
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Therapeutic High	0.1000
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Units	ug/mL
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Specimen	P
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Half Life Low	10.00
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Half Life High	13.00
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VOD Low	3.20
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VOD High	5.60
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Toxic Level	0.500
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Lethal Level	1.000
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Plasma to Whole Blood ratio	0.00
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Warnings	While deaths from overdose are relatively rare, there is a risk of addiction and possible toxicity from recreational use.
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