



THESE RECORDS MAY BE RELEASABLE UNDER THE FOIA REQUEST 15 DAYS AFTER SIGNATURE DATE UNLESS WE HEAR OTHERWISE FROM FAA NTSB COUNSEL

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P.O. Box 25082
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Monday, November 13, 2017

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT #	0214	INDIVIDUAL#:	001	NAME:	PILOT	MODE:	AVIATION
DATE OF ACCIDENT	10/05/2017	DATE RECEIVED	10/12/2017	PUTREFACTION:	No		
	N # 484HC	NTSB #	ERA18FA005	CAMI REF #	201700214001		
LOCATION OF ACCIDENT	Bardstown, KY						
SPECIMENS	Blood, Blood (Periph.), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, 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 (Periph.)

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://jaq.cami.jccbi.gov/toxicology/>).

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>> Desmethylsertraline detected in Liver
>> 0.316 (ug/mL, ug/g) Desmethylsertraline detected in Blood
>> Sertraline detected in Liver
>> 0.118 (ug/mL, ug/g) Sertraline detected in Blood
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c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS
2017.11.17 14:12:31 -06'00'

Russell Lewis, Ph.D., F-ABFT
Supervisor, Forensic Sciences
Bioaeronautical Sci. Research Lab
CAMI, FAA