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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201200132001

Federal Aviation
Administration

Monday, August 13, 2012

National Transportation Safety Board Atlanta Federal Ctr, Rm 3M25, 60 Forsyth Street, SW Atlanta, GA 30303

ACCIDENT # 0132 INDIVIDUAL#: 001 NAME: VAUGHN, RICK C. MODE: AVIATION

DATE OF ACCIDENT 07/11/2012 DATE RECEIVED 07/13/2012 PUTREFACTION: Yes

N # 764RV NTSB # ERA12FA438 CAMI REF #

LOCATION OF ACCIDENT Moscow, TN

SPECIMENS Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle

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. Positive 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 Muscle
- >> NO 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), 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/).

>> NO DRUGS listed above detected in Liver

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