



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

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Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Wednesday, December 21, 2011

National Transportation Safety Board
624 Six Flags Drive, Suite 150
Arlington, TX 76011

ACCIDENT # 0207 INDIVIDUAL#: 001 NAME: DUNCAN, DAVID W. MODE: AVIATION
DATE OF ACCIDENT 08/17/2011 DATE RECEIVED 09/08/2011 PUTREFACTION: No
 N # 444YM NTSB # ERA11FA458 CAMI REF # 201100207001
LOCATION OF ACCIDENT Tupelo, MS
SPECIMENS Bile, Blood, 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

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.

>> NO CYANIDE detected in Blood

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: Immunoassay and/or chromatography are used to screen for drugs. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR is used to confirm most positive results. 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). For comprehensive information concerning all drugs detected by the laboratory, see the CAMI Drug Information Web Site <http://jag.cami.jccbi.gov/toxicology/>.

>> Rosuvastatin detected in Urine
>> Rosuvastatin NOT detected in Blood

Date: 2011.12.23 13:59:40 -06'00'

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TC, FAA, Forensic Toxicology
Research Team CAMI