



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

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

Mike Monroney  
Aeronautical Center

P. O. Box 25082  
Oklahoma City, Oklahoma 73125

Monday, December 20, 2010

National Transportation Safety Board  
2001 Route 46, Suite 504  
Parsippany, NJ 07054

ACCIDENT # 0268    INDIVIDUAL#: 001    NAME: DILL, MELVILLE R. JR.    MODE: AVIATION  
DATE OF ACCIDENT 11/06/2010    DATE RECEIVED 11/09/2010    PUTREFACTION: No  
N # 164US    NTSB # ERA11LA050    CAMI REF # 201000268001  
LOCATION OF ACCIDENT Fitchburg, MA  
SPECIMENS Bile, Blood (Periph.), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spinal Fluid, 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 (Periph.)

**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 (Periph.)

**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 below 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/>.

>> 27.97 (ug/ml, ug/g) Acetaminophen detected in Urine  
>> 0.152 (ug/ml, ug/g) Diphenhydramine detected in Blood  
>> Diphenhydramine detected in Urine

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Research Lab CAMI