



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

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

Monday, June 25, 2012

National Transportation Safety Board

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Atlanta, GA 30303

<b>ACCIDENT #</b> 0057	<b>INDIVIDUAL#:</b> 001	<b>NAME:</b> VAN ZANEN, DWIGHT B.	<b>MODE:</b> AVIATION
<b>DATE OF ACCIDENT</b> 03/26/2012	<b>DATE RECEIVED</b> 03/29/2012	<b>PUTREFACTION:</b> No	
<b>N #</b> 61410	<b>NTSB #</b> ERA12FA256	<b>CAMI REF #</b> 201200057001	
<b>LOCATION OF ACCIDENT</b> Waxhaw, NC			
<b>SPECIMENS</b> Bile, Blood, Brain, 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:** 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://jag.cami.jccbi.gov/toxicology/>).

>> Amlodipine detected in Urine  
>> Amlodipine detected in Blood

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Date: 2012.06.26 11:11:16 -05'00'

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