

ATTACHMENT 3

Laboratory and Toxicology Results (2)

ERA13MA139 Human Performance Specialist's Factual Report



**FOR OFFICIAL USE ONLY**  
Public availability to be determined under 5 U.S.C.552.a

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

Tuesday, April 02, 2013

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

ACCIDENT # 0033    INDIVIDUAL#: 007    NAME: TRAMMELL, RICHARD Z.    MODE: AVIATION  
DATE OF ACCIDENT 02/20/2013    DATE RECEIVED 03/20/2013    PUTREFACTION: No  
N # 777VG    NTSB # ERA13MA139    CAMI REF # 201300033007  
LOCATION OF ACCIDENT Thomson, GA  
SPECIMENS Serum

**FINAL FORENSIC TOXICOLOGY NON-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, 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 Serum

**DRUGS:** Immunoassay used to screen for abused drugs. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR is used to confirm positive results. Concentrations (ug/mL) at or above those in ( ) can be determined for the following drugs: amphetamines (0.010), opiates (0.010), marijuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), and barbiturates (0.060). For comprehensive information concerning these drugs see the CAMI Drug Information Web Site <http://jag.cami.jccbi.gov/toxicology/>.

>> NO DRUGS listed above detected in Serum



2013.04.02 10:47:07 -05'00'

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

# ERA13MA139 Human Performance Specialist's Factual Report



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Mike Monroney  
Aeronautical Center

P.O. Box 25080  
Oklahoma City, Oklahoma 73126

Tuesday, April 02, 2013

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

ACCIDENT #	0033	INDIVIDUAL#:	006	NAME:	HAYDEN, JEREMY B.	MODE:	AVIATION
DATE OF ACCIDENT	02/20/2013	DATE RECEIVED	03/20/2013	PUTREFACTION:	No		
	N # 777VG	NTSB #	ERA13MA139	CAMI REF #	201300033006		
LOCATION OF ACCIDENT	Thomson, GA						
SPECIMENS	Serum						

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2013.04.02 10:47:41 -05'00'

Russell Lewis, Ph.D.  
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