



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

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Tuesday, May 17, 2016

National Transportation Safety Board  
4760 Oakland Street, Suite 500  
Denver, CO 80239

ACCIDENT # 0044    INDIVIDUAL#: 001    NAME: [REDACTED]    MODE: AVIATION  
DATE OF ACCIDENT 03/01/2016    DATE RECEIVED 03/22/2016    PUTREFACTION: Yes  
N # 419B    NTSB # CEN16FA114    CAMI REF # 201600044001  
LOCATION OF ACCIDENT Abilene, TX  
SPECIMENS Bile, Blood (Cavity), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine

**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, 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 Urine  
>> N-Propanol detected in Urine

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/>).

>> Buspirone detected in Urine  
>> Cetirizine detected in Blood (Cavity)  
>> Cetirizine detected in Urine  
>> Desmethylvenlafaxine (O-) detected in Muscle  
>> Desmethylvenlafaxine (O-) detected in Liver  
>> Hydroxyzine detected in Urine  
>> 0.214 (ug/mL, ug/g) Hydroxyzine detected in Blood (Cavity)  
>> 1.3739 (ug/ml, ug/g) Tetrahydrocannabinol (Marihuana) detected in Lung  
>> 0.0223 (ug/ml, ug/g) Tetrahydrocannabinol (Marihuana) detected in Brain  
>> 0.1216 (ug/ml, ug/g) Tetrahydrocannabinol (Marihuana) detected in Liver  
>> 0.0569 (ug/ml, ug/g) Tetrahydrocannabinol (Marihuana) detected in Blood (Cavity)

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**CONTINUATION OF REF#: 201600044001**

- >> 0.0215 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Blood (Cavity)
- >> 0.0254 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Brain
- >> 0.102 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Lung
- >> 0.8072 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Urine
- >> 1.3614 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Liver
- >> Venlafaxine detected in Liver
- >> Venlafaxine detected in Muscle

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Research Team CAMI