



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

Tuesday, May 31, 2016

National Transportation Safety Board, Rail Division  
490 L'Enfant Plaza East, S.W.  
Washington, DC 20594

ACCIDENT # 0054    INDIVIDUAL#: 001    NAME: [REDACTED]    MODE: RAIL  
DATE OF ACCIDENT 04/03/2016    DATE RECEIVED 04/06/2016    PUTREFACTION: No  
N #    NTSB # DCA16FR007    CAMI REF # 201600054001  
LOCATION OF ACCIDENT Delco, PA  
SPECIMENS Kidney, Lung, Muscle, Spinal Cord, 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.

>> 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 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 Muscle
- >> 0.355 (ug/ml, ug/g) Benzoyllecgonine detected in Muscle
- >> 21.552 (ug/ml, ug/g) Benzoyllecgonine detected in Urine
- >> Chlorthalidone detected in Muscle
- >> Chlorthalidone detected in Urine
- >> 0.624 (ug/mL, ug/g) Cocaethylene detected in Urine
- >> Cocaethylene detected in Muscle
- >> 1.459 (ug/ml, ug/g) Cocaine detected in Urine
- >> Cocaine detected in Muscle
- >> Ecgonine Methyl Ester detected in Muscle
- >> Ecgonine Methyl Ester detected in Urine



Tuesday, May 31, 2016

CONTINUATION OF REF#: 201600054001 - [REDACTED]

- >> Gabapentin detected in Muscle
- >> Gabapentin detected in Urine
- >> Levamisole detected in Urine

[REDACTED]

c=US, o=U.S. Government, ou=AMC, ou=AMC,  
cn=RUSSELL J LEWIS  
2016.06.02 09:56:06 -05'00'

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