



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

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Thursday, January 12, 2012

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

ACCIDENT # 0228 INDIVIDUAL#: 001 NAME: FINNEGAN, DAVID E. MODE: AVIATION
DATE OF ACCIDENT 09/17/2011 DATE RECEIVED 09/28/2011 PUTREFACTION: No
N # 9923V NTSB # ERA11FA493 CAMI REF # 201100228001
LOCATION OF ACCIDENT Greenville, ME
SPECIMENS Bile, Blood, Brain, Gastric, 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.

>> 12 (%) 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: 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 above those in () can be determined for, but not limited to, the following drugs: amphetamines (0.010), opiates (0.010), marihuana (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/>.

>> 14.46 (ug/ml, ug/g) Acetaminophen detected in Urine
>> Cotinine detected in Urine
>> Cotinine detected in Blood
>> Ibuprofen detected in Urine
>> Nicotine detected in Urine
>> Nicotine detected in Blood
>> 1.0809 (ug/ml, ug/g) Tetrahydrocannabinol (Marihuana) detected in Lung
>> Tetrahydrocannabinol (Marihuana) NOT detected in Blood
>> 0.0125 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Urine
>> 0.0094 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Liver
>> Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Lung

Date: 2012.01.12 15:02:07 -06'00'

Thursday, January 12, 2012

CONTINUATION OF REF#: 201100228001 — FINNEGAN, DAVID E.

>> Tetrahydrocannabinol Carboxylic Acid (Marihuana) NOT detected in Blood

Date: 2012.01.12 15:02:20
-06'00'


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