



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

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FAA NTSB COUNSEL

Mike Monroney
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P O Box 25082
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Thursday, March 25, 2010

National Transportation Safety Board
490 L'Enfant Plaza East
Washington, DC 20594

ACCIDENT # 0043 INDIVIDUAL#: 001 NAME: KELLY, JOSEPH L. III MODE: AVIATION
DATE OF ACCIDENT 02/27/2010 DATE RECEIVED 03/02/2010 PUTREFACTION: No
N # 1521S NTSB # ERA10FA154 CAMI REF # 201000043001
LOCATION OF ACCIDENT Edgewater, MD
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.

>> 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: Immunoassay and/or chromatography are used to screen for legal and illegal drugs which include: amphetamine (0.010), opiates (0.010), marihuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), antihistamines (0.020), meprobamate (0.100), methaqualone (0.100), and nicotine (0.050). The values in () are the threshold values in ug/mL used to report positive results. Values below this concentration are normally reported as not detected. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR, is used to confirm most positive results.

>> 16.61 (ug/ml, ug/g) Acetaminophen detected in Urine
>> Bupropion detected in Urine
>> Bupropion detected in Blood
>> Naproxen detected in Urine
>> 0.098 (ug/mL, ug/g) Oxycodone detected in Urine
>> Oxycodone NOT detected in Blood
>> 0.296 (ug/mL, ug/g) Oxymorphone detected in Urine
>> Oxymorphone NOT detected in Blood
>> Quinine detected in Urine

2010.03.29 12:42:33 -05'00'

Thursday, March 25, 2010

CONTINUATION OF REF#: 201000043001 — KELLY, JOSEPH L. III



2010.03.29 12:42:21 -05'00'

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