



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

Friday, August 23, 2013

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

ACCIDENT # 0135	INDIVIDUAL#: 002	NAME: COLLINS, CLARENCE E.	MODE: AVIATION
DATE OF ACCIDENT 07/18/2013		DATE RECEIVED 07/23/2013	PUTREFACTION: No
N # 2987G		NTSB # CEN13FA420	CAMI REF # 201300135002
LOCATION OF ACCIDENT	Oak Ridge, LA		
SPECIMENS	Bile, Blood (Cavity), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, 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 (Cavity)

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), marihuana (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/>).

```
>> Doxazosin detected in Liver
>> Doxazosin detected in Blood (Cavity)
>> 0.612 (ug/ml, ug/g) Phentermine detected in Blood (Cavity)
>> Phentermine detected in Liver
>> Valsartan detected in Liver
>> Valsartan detected in Blood (Cavity)
>> Yohimbine detected in Liver
>> Yohimbine detected in Blood (Cavity)
```

Run M. J. Lee

2013.09.10 10:16:55 -05'00'

Friday, August 23, 2013

CONTINUATION OF REF#: 201300135002 — COLLINS, CLARENCE E.

A handwritten signature in black ink, appearing to read "Russell Lewis".

2013.09.10 10:17:04 -05'00'

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