



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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Aeronautical Center

P.O. Box 25082
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Thursday, January 29, 2015

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

ACCIDENT # 0275	INDIVIDUAL#: 001	NAME: FRANCIS, LAWRENCE T.	MODE: AVIATION
DATE OF ACCIDENT 11/24/2014		DATE RECEIVED 12/17/2014	PUTREFACTION: No
N # 625ZH		NTSB # CEN15LA059	CAMI REF # 201400275001
LOCATION OF ACCIDENT	Las Cruces, NM		
SPECIMENS	Blood, Brain, Heart, Kidney, Liver, Lung, Muscle, Spleen		

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, 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 Blood

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/>).

- >> Tetrahydrocannabinol (Marihuana) detected in Lung
- >> Tetrahydrocannabinol (Marihuana) detected in Liver
- >> Tetrahydrocannabinol (Marihuana) NOT detected in Blood
- >> 0.1325 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Liver
- >> 0.0144 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Lung
- >> 0.003 (ug/ml, ug/g) Tetrahydrocannabinol Carboxylic Acid (Marihuana) detected in Blood

Run M. J. Lee

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Date: 2015.01.29 15:25:13 -06'00'

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