



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

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Tuesday, January 26, 2016

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

ACCIDENT # 0246 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 10/05/2015 DATE RECEIVED 10/20/2015 PUTREFACTION: No
N # 3174J NTSB # CEN16LA004 CAMI REF # 201500246001
LOCATION OF ACCIDENT Dexter, MO
SPECIMENS Blood, Serum, Urine

FINAL FORENSIC TOXICOLOGY NON-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.

>> 103 (mg/dL, mg/hg) Ethanol detected in Urine
>> 30 (mg/dL, mg/hg) 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), 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/>).

>> 1.784 (ug/ml, ug/g) Morphine detected in Urine
>> Morphine NOT detected in Serum
>> Tetrahydrocannabinol Carboxylic Acid (Marijuana) detected in Urine

-Notes:

Quantity not sufficient for testing of Tetrahydrocannabinol Carboxylic Acid (Marijuana) in blood or serum.

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Tuesday, January 26, 2016

CONTINUATION OF REF#: 201500246001 - LAUNIUS, JOHN S.



c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
2016.01.27 14:28:37 -06'00'

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