



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

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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Monday, January 09, 2017

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

ACCIDENT # 0203 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 09/14/2016 DATE RECEIVED 09/16/2016 PUTREFACTION: No
N # 4910M NTSB # CEN16FA370 CAMI REF # 201600203001
LOCATION OF ACCIDENT Arcanum, OH
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, 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.

> 105 (mg/dL, mg/hg) Ethanol detected in Blood
> 134 (mg/dL, mg/hg) Ethanol detected in Urine

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/>).

> Alprazolam NOT detected in Blood
> 0.053 (ug/ml, ug/g) Alprazolam detected in Urine
> Hydroxyalprazolam (Alpha-) NOT detected in Blood
> Hydroxyalprazolam (Alpha-) detected in Urine
> Cocaine NOT detected in Blood
> 1.035 (ug/ml, ug/g) Cocaine detected in Urine
> 0.304 (ug/ml, ug/g) Benzoylcegonine detected in Blood
> 3.186 (ug/ml, ug/g) Benzoylcegonine detected in Urine
> Cocaethylene NOT detected in Blood
> 0.248 (ug/mL, ug/g) Cocaethylene detected in Urine

CONTINUATION OF REF#: 201600203001 — Heins, Clayton M.

- > Inconclusive for Anhydroecgonine Methyl Ester in Blood
- > Anhydroecgonine Methyl Ester detected in Urine
- > Ecgonine Methyl Ester detected in Blood
- > Ecgonine Methyl Ester detected in Urine
- > Levamisole NOT detected in Blood
- > Levamisole detected in Urine
- > Cetirizine detected in Blood
- > Cetirizine detected in Urine
- > Hydroxyzine detected in Blood
- > Hydroxyzine detected in Urine
- > Naltrexol (6-beta) detected in Blood
- > Naltrexol (6-beta) detected in Urine
- > Naltrexone detected in Blood
- > Naltrexone detected in Urine



c=US, o=U.S. Government, ou=AMC, ou=AMC,
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TC, FAA, Forensic Toxicology
Research Team CAMI