



Mike Monroney
Aeronautical Center

Oklahoma City, Oklahoma 73125

Tuesday, May 05, 2015

Denver, CO 80239

ACCIDENT #	0068	INDIVIDUAL#:	002	NAME:	Siegel, Herbert L.	MODE:	AVIATION
DATE OF ACCIDENT	03/31/2015	DATE RECEIVED	04/09/2015	PUTREFACTION:	No		
	N # 623HS	NTSB #	CEN15FA187	CAMI REF #	201500068002		
LOCATION OF ACCIDENT	Pleasanton, KS						
SPECIMENS	Bile, Blood, Blood (Heart), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spinal Fluid, Spleen, Urine, Vitreous						

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 (Heart)

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://jaq.cami.jccbi.gov/toxicology/>).

- >> Carvedilol detected in Urine
- >> Carvedilol detected in Blood (Heart)
- >> Minoxidil detected in Urine
- >> Minoxidil NOT detected in Blood (Heart)
- >> Naproxen detected in Urine
- >> Ramipril detected in Urine
- >> Ramipril NOT detected in Blood (Heart)
- >> Rosuvastatin detected in Urine
- >> Rosuvastatin detected in Blood (Heart)
- >> Tamsulosin detected in Urine
- >> Tamsulosin detected in Blood (Heart)

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CONTINUATION OF REF#: 201500068002 — Siegel, Herbert L.



2015.05.05 14:16:44 -05'00'

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



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CLINICAL REPORT

CLINICAL: Vitreous and Urine are tested for the presence of glucose with reagent strips and by enzymatic spectrophotometric analysis. Postmortem vitreous glucose levels above 125 mg/dL are considered abnormal and postmortem urine levels above 100 mg/dL are considered abnormal. Hemoglobin A1C is analyzed using a latex immunoagglutination inhibition methodology. Hemoglobin A1C blood levels above 6% are considered abnormal. Urine specimens are defined as "dilute" if the creatinine concentration is < 20 mg/dL and the specific gravity is < 1.003. Concentrations of serotonin metabolites 5-hydroxytryptophol (5-HTOL) and 5-hydroxyindole-3-acetic acid (5-HIAA) are measured by LC/MS. A 5-HTOL/5-HIAA ratio value < 15 pmol/nmol is not consistent with ethanol ingestion, while a ratio value > 15 pmol/nmol is indicative of ethanol ingestion.

>> 119 (mg/dl) Glucose detected in Vitreous
>> 229 (mg/dl) Glucose detected in Urine
>> Blood (Heart) unsuitable for analysis of Hemoglobin A1C

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

2015.05.05 14:16:08 -05'00'

St. Louis University Toxicology Laboratory Report
[REDACTED], Berkeley, Missouri 63134

Name: SIEGEL, HERBERT L.

Age:

Race:

Tox # 2015-2236

Sex:

Requesting Agency: LINN/ DR. BANKS

(Agency Case No.: L15-03-179)

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Blood:

Alcohol: HEART

Ethanol: _____ Negative

Acetone: _____ Negative

Isopropanol: _____ Negative

Methanol: _____ Negative

Blood Drug Screen: HEART

Amphetamines: _____ Negative

Antidepressants: _____ Negative

Barbiturates: _____ Negative

Benzodiazepines: _____ Negative

Cannabinoids (THC): _____ Negative

Cocaine/Metabolites: _____ Negative

Lidocaine: _____ Negative

Methadone: _____ Negative

Non-Opiate Narcotic Analgesic: _____ Negative

Opiates: _____ Negative

Phencyclidine: _____ Negative

Phenothiazines: _____ Negative

Propoxyphene: _____ Negative

Acetaminophen: _____ Negative

Salicylates: _____ Negative

Oxycodone: _____ Negative

Fentanyl: _____ Negative

Oxymorphone: _____ Negative

Urine:

Alcohol:

Ethanol: _____ Negative

Acetone: _____ Negative

Isopropanol: _____ Negative

Methanol: _____ Negative

Vitreous:

Alcohol:

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