



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

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Tuesday, January 05, 2016

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT # 0268 INDIVIDUAL#: 002 NAME: Stimmel, Maria MODE: AVIATION
DATE OF ACCIDENT 11/20/2015 DATE RECEIVED 11/24/2015 PUTREFACTION: No
N # 7FG NTSB # ERA16FA043 CAMI REF # 201500268002
LOCATION OF ACCIDENT Orlando, FL
SPECIMENS Bile, Blood (Cavity), Brain, Gastric, 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.

>> 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.

>> NOT PERFORMED

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.jocbi.gov/toxicology/>).

>> NOT PERFORMED

-Notes:

Samples from passengers are analyzed for CARBON MONOXIDE (COHb) only in cases of fire, and CYANIDE when COHb is equal to or greater than 10%, or upon special request, provided suitable blood samples were submitted.

[REDACTED]

c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
2016.01.11 16:06:45 -06'00'

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

Patient: STIMMEL, MARIA
Client Patient ID: 9-15-1623
Physician: STEPHANY, JOSHUA

Age: 46 **Sex:** F
Account#: VX74627
Client: DIST 9 MEDICAL EXAMINER

TOXICOLOGY

Specimen Collected :11/21/2015

Lab Order No: 592301046

Reg Date: 11/23/15

Test Name	Result	Units	Cutoff/Reporting Limits
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VOLATILE PANEL - VOLP
SPECIMEN TYPE
LEFT CHEST BLOOD

ETHANOL	NONE DETECTED	g/dL	0.010
ACETONE	NONE DETECTED	mg/dL	7.5
METHANOL	NONE DETECTED	mg/dL	15.0
ISOPROPANOL	NONE DETECTED	mg/dL	15.0

Analysis by Gas Chromatography (GC) Headspace Injection
BLOOD DRUG SCREEN - BDSME
SPECIMEN TYPE
LEFT CHEST BLOOD
GC/MS
CAFFEINE
LC/MS/MS
SERTRALINE, TRAZODONE, TRAZODONE METABOLITE, CAFFEINE, CAFFEINE METABOLITE
BLOOD IMMUNOASSAY SCREEN

BENZODIAZEPINES		mg/L	0.050
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Screening result suggests the need for further testing

BUPRENORPHINE	NEGATIVE	mg/L	0.001
CANNABINOIDS	NEGATIVE	mg/L	0.050
COCAINE METABOLITE	NEGATIVE	mg/L	0.100
FENTANYL	NEGATIVE	mg/L	0.001
OPIATES	NEGATIVE	mg/L	0.050
SALICYLATES	NEGATIVE	mg/L	50.0

CARBOXYHEMOGLOBIN - COHBP
SPECIMEN TYPE
LEFT CHEST BLOOD

CARBOXYHEMOGLOBIN	5.3	%	1.0
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Normal:

Nonsmokers up to 3.5%

Patient: **STIMMEL, MARIA**
Client Patient ID: **9-15-1623**
Physician: **STEPHANY, JOSHUA**

Age: **46** Sex: **F**
Account#: **VX74627**
Client: **DIST 9 MEDICAL EXAMINER**

TOXICOLOGY

Specimen Collected :11/21/2015

Lab Order No: 592301046

Reg Date: 11/23/15

Test Name	Result	Units	Cutoff/Reporting Limits
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Smokers up to 8%
Toxic: >20%

Analysis by Spectrophotometry

Specimens were intact upon receipt. Chain of custody, specimen security and integrity has been maintained. Testing has been performed as requested

Reviewed by: _____ Date: 12/15/15

FINAL REPORT - THIS COMPLETES REPORTING ON THIS CASE

TOXICOLOGY REPORT

STIMMEL, MARIA


Orlando Health Clinical Laboratories

 [REDACTED] Orlando, FL [REDACTED]
 Medical Directors Pathology Specialists, P.A.

 Print Date: 11/21/2015 6:02:23 PM
 Page 1 of 1

 Patient: **Stimmel, Maria** ¹⁶²³ ~~15-823~~
 Birthdate: [REDACTED] Sex: **Female**
 Admit Phys: **COMMUNITY, PHYSICIAN**

 Med Rec No: 2000012742
 Client: **MEDICAL EXAMINER ORANGE COUNTY MICRO**
 Attend Phys: **COMMUNITY, PHYSICIAN**

 Acct No: 0000020418
 Order Phys: **N/A**
Immunology/Serology
Immunology
ME15-01623

 Collection Date 11/21/15
 Time 00:01:00

Cepa Contreras, Maria
46 Years - F 11/20/2015

Procedure	Units	Ref Range
Hepatitis C Ab	Positive *	[Negative]
Comment HCAb	See Comment f	

11/21/15 00:01:00 Comment HCAb:

Positive antibodies to Hepatitis C Virus are seen in acute, chronic or recovery phase and does not differentiate. False positives may be observed in <1.0% of specimens. All positive results for Anti-HCV will reflex to HCV RNA PCR for confirmation.

11/21/2015 12:01:00 AM Comment HCAb, Hepatitis C Ab:

Testing performed at Orlando Regional Medical Center, [REDACTED] Orlando, FL [REDACTED]

Pending Procedures

Drawn Date	Drawn Time	Order Name	Status
11/21/2015	12:01:00 AM	Hepatitis C Virus (HCV) RNA Quant PCR	In-Lab

Abnormal *	Critical C	Interp Data i	Corrected c	Low L	High H	Result Comment r	Footnote f
Performing Facility: Orlando Regional Medical Center [REDACTED] Orlando, FL [REDACTED]							
Patient: Stimmel, Maria ¹⁵⁻⁸²³				Med Rec No: 2000012742			

11/21/2015 6:04PM (GMT-05:00)


Orlando Health Clinical Laboratories

 [REDACTED] Orlando, FL [REDACTED]
 Medical Directors Pathology Specialists, P.A.

 Print Date: 11/23/2015 4:01:18 PM
 Page 1 of 1

 Patient: **Stimmel, Maria15-623**
 Birthdate: [REDACTED] Sex: **Female**
 Admit Phys: **COMMUNITY, PHYSICIAN**

 Med Rec No: 2000012742
 Client: **_MEDICAL EXAMINER ORANGE COUNTY MICRO**
 Attend Phys: **COMMUNITY, PHYSICIAN**

 Acct No: 0000020418
 Order Phys: **N/A**
Molecular Testing

 Collection Date 11/21/15
 Time 00:01:00

Procedure	Units	Ref Range
HCV RNA Quant I	Undetected	[Undetected]

 11/21/2015 12:01:00 AM HCV RNA Quant:
 The quantification range of this assay is 15 IU/mL to 100,000,000 IU/mL.
 The reference range for this test is "Undetected".

Testing was performed on the COBAS AmpliPrep/COBAS TaqMan with HCV version 2.0 reagents (Roche Molecular Systems, Inc.).

The COBAS AmpliPrep/COBAS TaqMan HCV Test, v2.0 is not intended for use as a screening test for the presence of HCV in blood or blood products or as a diagnostic test to confirm the presence of HCV infection.

 11/21/2015 12:01:00 AM HCV RNA Quant:
 Testing performed at Orlando Regional Medical Center, [REDACTED] Orlando, FL [REDACTED]

ME15-01623
Cepa Contreras, Maria
46 Years - F 11/20/2015

Abnormal *	Critical C	Interp Data I	Corrected c	Low L	High H	Result Comment r	Footnote f
Performing Facility: Orlando Regional Medical Center [REDACTED] Orlando, FL [REDACTED]							
Patient: Stimmel, Maria15-623 Med Rec No: 2000012742							