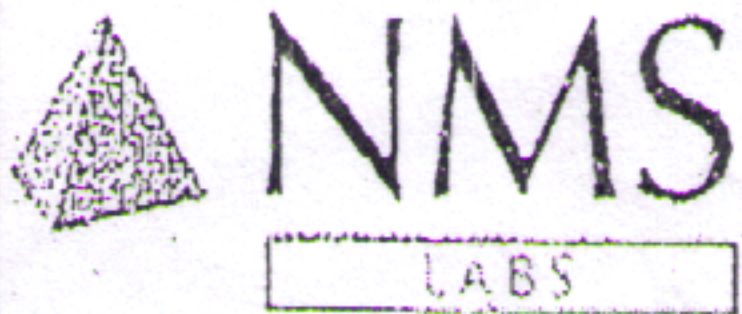


13-2942



NMS Labs

CONFIDENTIAL

3701 Welsh Road, PO Box 433A, Willow Grove, PA 19090-0437  
Phone: (215) 657-4900 Fax: (215) 657-2972  
e-mail: nms@nmslabs.com  
Robert A. Middleberg, PhD, DABFT, DABCC-TC, Laboratory Director

Toxicology Report

Report Issued 10/03/2013 14:00

Patient Name WOODBY, MICHAEL  
Patient ID 13-2942  
Chain 11639843  
Age 45 Y  
Gender Male  
Workorder 13230029

To: 30340  
UT Med. Ctr. - Dept. Of Pathology  
Attn: Regional Forensic Center  
1924 Alcoa Highway  
Knoxville, TN 37920

Page 1 of 3

Positive Findings:

Compound	Result	Units	Matrix Source
Ethanol	109	mg/dL	Cardiac Blood
Blood Alcohol Concentration (BAC)	0.109	g/100 mL	Cardiac Blood

See Detailed Findings section for additional information

Testing Requested:

Analysis Code	Description
8051B	Postmortem Toxicology - Basic, Blood (Forensic)

Tests Not Performed:

Part or all of the requested testing was unable to be performed. Refer to the Analysis Summary and Reporting Limits section for details.

Specimens Received:

ID	Tube/Container	Volume/ Mass	Collection Date/Time	Matrix Source	Miscellaneous Information
001	Gray Top Tube	9 mL	09/17/2013 17:00	Cardiac Blood	PERICARDIAL
002	Homogenate Container	Not Given	09/17/2013 17:00	Cardiac Blood	PERICARDIAL
003	Gray Top Tube	9 mL	09/17/2013 17:00	Cardiac Blood	PERICARDIAL

All sample volumes/weights are approximations.  
Specimens received on 09/20/2013.

*Christopher J. Schmeller*  
10-9-13

v.8

No. 6388 P. 9/11

Oct. 14. 2013 10:13AM 374





CONFIDENTIAL

Workorder 13230029  
Chain 11639843  
Patient ID 13-2942

Page 2 of 3

Detailed Findings:

Analysis and Comments	Result	Units	Rpt. Limit	Specimen Source	Analysis By
Ethanol	109	mg/dL	10	002 - Cardiac Blood	Headspace GC
Blood Alcohol Concentration (BAC)	0.109	g/100 mL	0.010	002 - Cardiac Blood	Headspace GC
Ethanol	Confirmed	mg/dL	10	002 - Cardiac Blood	Headspace GC

Other than the above findings, examination of the specimen(s) submitted did not reveal any positive findings of toxicological significance by procedures outlined in the accompanying Analysis Summary.

Reference Comments:

1. Ethanol (Ethyl Alcohol) - Cardiac Blood:

Ethyl alcohol (ethanol, drinking alcohol) is a central nervous system depressant and can cause effects such as impaired judgment, reduced alertness and impaired muscular coordination. Ethanol can also be a product of decomposition or degradation of biological samples. The blood alcohol concentrations (BAC) can be expressed as a whole number with the units of mg/dL or as a decimal number with units of g/100 mL which is equivalent to % w/v. For example, a BAC of 85 mg/dL equals 0.085 g/100 mL or 0.085% w/v of ethanol.

Sample Comments:

- 001 Blood specimen required homogenization: 13230029-001
- 002 NMS Labs generated homogenized Blood sample: 13230029-002

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded one (1) year from the date of this report; and generated data will be discarded five (5) years from the date the analyses were performed.

Workorder 13230029 was electronically signed on 10/03/2013 13:30 by:

*Dawn Sherwood*

Dawn N. Sherwood,  
Certifying Scientist

Analysis Summary and Reporting Limits:

Acode 52167B - Buprenorphine and Metabolite - Free (Unconjugated) Confirmation, Blood (Forensic) - Cardiac Blood

-Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS) for:

Compound	Rpt. Limit	Compound	Rpt. Limit
Buprenorphine - Free	1.0 ng/mL	Norbuprenorphine - Free	N/A
Not Reported: Norbuprenorphine - Free: Test was canceled due to [Sample Matrix Problem]			

Acode 52250B - Alcohols and Acetone Confirmation, Blood (Forensic) - Cardiac Blood

-Analysis by Headspace Gas Chromatography (GC) for:

Compound	Rpt. Limit	Compound	Rpt. Limit
Acetone	5.0 mg/dL	Isopropanol	5.0 mg/dL
Ethanol	10 mg/dL	Methanol	5.0 mg/dL

Acode 3051B - Postmortem Toxicology - Basic, Blood (Forensic) - Cardiac Blood

v.8

364

11 01 13 0059 19A

01.14.2013 10:13AM





CONFIDENTIAL

Workorder 13230029  
Chain 11639843  
Patient ID 13-2942

Page 3 of 3

Analysis Summary and Reporting Limits:

-Analysis by Enzyme-Linked Immunosorbent Assay (ELISA) for:

<u>Compound</u>	<u>Rpt. Limit</u>	<u>Compound</u>	<u>Rpt. Limit</u>
Amphetamines	20 ng/mL	Methadone	25 ng/mL
Barbiturates	0.040 mcg/mL	Opiates	20 ng/mL
Benzodiazepines	100 ng/mL	Phencyclidine	10 ng/mL
Cannabinoids	10 ng/mL	Propoxyphene	50 ng/mL
Cocaine / Metabolites	20 ng/mL		

-Analysis by Enzyme-Linked Immunosorbent Assay (ELISA) for:

<u>Compound</u>	<u>Rpt. Limit</u>	<u>Compound</u>	<u>Rpt. Limit</u>
Buprenorphine / Metabolite	0.50 ng/mL		

-Analysis by Headspace Gas Chromatography (GC) for:

<u>Compound</u>	<u>Rpt. Limit</u>	<u>Compound</u>	<u>Rpt. Limit</u>
Acetone	5.0 mg/dL	Isopropanol	5.0 mg/dL
Ethanol	10 mg/dL	Methanol	5.0 mg/dL