CANARY: TOXICOLOGY COPY GOLDENROD: DME

Reviewed By_



Department of Medical Examiner-Coroner, County of Los Angeles

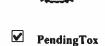
FORENSIC SCIENCE LABORATORIES

1104 North Mission Road Los Angeles, CA 90033





Deputy Medical Examiner 1104 North Mission Road Los Angeles, CA 90033



The following results have been technically and administratively reviewed and are the opinions and conclusions of the Analyst:

Coroner Case Number: 2016-02327 Decedent: SHANDLING, GARRY EMANUAL

SPECIN	MEN SERVICE		DRUG			SULT	ANALYST	
Blood, I	Pemoral							
, _	Bases-GC/NPD &	&∕or MS	Diphenhydramine		0.36	ug/mL	S. DeQuintana	
Blood, J	ugular Vein							
	Alcohol-GC/FID-	HS	Ethanol			Negative	S. DeQuintana	
	Bases-GC/NPD &	%∕or MS	Diphenhydramine		0.58	ug/mL	S. DeQuintana	
	ELISA-Immunoa	ssay	Barbiturates			ND	J. Gadway	
	ELISA-Immunoa	ssay	Benzodiazepines			PP	J. Gadway	
	ELISA-Immunoa	ssay	Cocaine and Metabolites			ND	J. Gadway	
	ELISA-lmmunoa:	ssay	Fentanyl		ND	J. Gadway		
	ELISA-lmmunoa:	ssay	Methamphetamine & MDMA		ND	J. Gadway		
	ELISA-Immunoa:	ssay	Opiates: Codeine & Morphine		PP PP	J. Gadway		
	ELISA-Immunoa:	ssay	Opiates: Hydrocodone & Hyd			J. Gadway		
	ELISA-Immunoa:	ssay	Phencyclidine			ND	J. Gadway	
	Opiates-GC/MS		Codeine, Total			ND	E. Fu	
	Opiates-GC/MS		Hydrocodone, Total	,		ND	E. Fu	
	Opiates-GC/MS		Hydromorphone, Total			ND	E. Fu	
	Opiates-GC/MS		Morphine, Total			ND	E. Fu	
	Opiates-GC/MS		Oxycodone, Total			ND	E. Fu	
	Opiates-GC/MS		Oxymorphone, Total			ND	E. Fu	
	Outside Test		Benzodiazepines			Done	NMS Labs, Inc.	
Legend		mg/dL	Milligram per Deciliter	PP	Presumptiv	e Positive		
g	Grams	mg/L	Milligram per Liter	QNS	•	ot Sufficient		
g%	Gram Percent	ND	Not Detected	ug	Microgram	ıs		
inc.	Inconclusive Milligrams	ng/g	Nanograms per Milliliter ug/mL Mic			crograms per Gram		
mg		ng/mL				licrogram per Milliliter		

In accordance with the Department's Evidence Retention Policy, the blood specimen(s) will be retained for one-year and all other specimens for six-months from Autopsy.

Administratively reviewed by:

Joseph J. Muto

Interim Chief

FORENSIC LABORATORIES (323) 343-0531 jmuto@coroner.lacounty.gov

Report Date: Tuesday, October 18, 2016

Laboratory Accreditation: ASCLD/LAB-International

Page I of I

CONFIDENTIAL



NMS Labs

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, F-ABFT, DABCC-TC, Laboratory Director

Toxicology Report

Report Issued 05/13/2016 16:02

10139

Los Angeles County Coroner Medical Examiner Attn: Mark Schuchardt 1104 N. Mission Road Los Angeles, CA 90033

Patient Name SHANDLING, GARRY

Patient ID 2016-02327

Chain 16144520

Age Not Given **DOB** Not Given

Gender Not Given

Workorder 16144520

Received

05/10/2016 17:58

Chain of custody documentation has been maintained for the analyses performed by NMS Labs.

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded six (6) weeks from the date of this report; and generated data will be discarded five (5) years from the date the analyses were performed.

Sample ID 16144520-001 **Matrix** Blood

Patient Name SHANDLING, GARRY Patient ID 2016-02327

Container Type Lavender Top Tube

Receipt Notes

None Entered

Collect Dt/Tm 05/09/2016 08:02

Source Jugular Blood

Approx Vol/Weight 0.65 mL

Analysis and Comments

Reporting Result **Units Notes** Limit

9329B Benzodiazepines Panel, Blood

Analysis by High Performance Liquid Chromatography/

TandemMass Spectrometry (LC-MS/MS)

Diazepam

Synonym(s): Valium®

Therapeutic range: 100 - 1000 ng/mL.

Nordiazepam

Therapeutic range: 100 - 1000 ng/mL.

Oxazepam

Synonym(s):

Serax®

None Detected ng/mL

None Detected

ng/mL

20

20

None Detected

ng/mL

20

Results for sample 16144520-001 are continued on next page



► NMS

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, F-ABFT, DABCC-TC, Laboratory Director

Sample ID 16144520-001

Matrix Blood

Patient Name SHANDLING, GARRY

Patient ID 2016-02327

Collect Dt/Tm 05/09/2016 08:02 Source Jugular Blood

Analysis and Comments	Result	Units		Reporting Limit	Notes
When used as a drug, the therapeutic plasma concentration: 200 - 1400 ng/mL. Potentially toxic greater than 2000 ng/mL.					
As a metabolite of Diazepam, low concentrations may be observed. In one study, following chronic daily doses of about 70 mg of Diazepam, the steady-state serum concentrations were 50 - 400 ng Oxazepam/mL.					60
Temazepam	None Detected	ng/mL		20	
Synonym(s): Restoril®; Normison®		3			
When used as a drug, peak plasma concentrations range from 200 - 1100 ng/mL within 1.5 hours post-dose.					
As a metabolite of Diazepam, low concentrations may be observed. In one study, following chronic daily doses of about 70 mg of Diazepam, the steady-state serum concentrations were 100 - 600 ng Temazepam/mL.					
Clobazam	None Detected	ng/mL		20	
Synonym(s): Frisium®; Urbanyl®					
Following a single 20 mg oral dose, the mean peak plasma concentration: 465 ng/mL (range, 220 - 710 ng/mL) after 1.7 hours.					
Following a single 40 mg oral dose, the mean peak plasma concentration: 730 ng/mL at 2.5 hours. The plasma concentration decreased to 360 ng/mL at 12 hours, 180 ng/mL at 48 hours and 17 ng/mL at 96 hours.					
Chlordiazepoxide	None Detected	ng/mL	+0	20	
Synonym(s): Librium®		J			
Therapeutic range: 400 - 2000 ng/mL.					
Lorazepam	None Detected	ng/mL		5.0	
Synonym(s): Ativan®		_		107845	CORO
Therapeutic range: 50 - 240 ng/mL.				1	OK to Referee
Clonazepam	None Detected	ng/mL		2.0	73 A/16
Synonym(s): Klonopin®		-		ASSERTED A	YORATP 3
Therapeutic range: 10 - 75 ng/mL. Toxic: Greater than 100 ng/mL.					5/6

Results for sample 16144520-001 are continued on next page

CONFIDENTIAL

► NMS

NMS Labs

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, F-ABFT, DABCC-TC, Laboratory Director

Sample ID 16144520-001 Matrix Blood Patient Name SHANDLING, GARRY Patient ID 2016-02327 Collect Dt/Tm 05/09/2016 08:02 Source Jugular Blood

Analysis and Comments	Result	Units	Reporting Limit	Notes
7-Amino Clonazepam	None Detected	ng/mL	5.0	
Synonym(s): Clonazepam Metabolite				
Plasma concentrations following chronic therapy with 6 mg/day of Clonazepam: 20 - 140 ng/mL.				
Alprazolam	69	ng/mL	5.0	
Synonym(s): Xanax®				
Therapeutic range: 10 - 100 ng/mL. Potentially toxic at greater than 100 ng/mL.				
Alpha-Hydroxyalprazolam	None Detected	ng/mL	5.0	
Synonym(s): Alprazolam Metabolite				
Alpha-Hydroxyalprazolam has approximately 66% of the pharmacological activity of Alprazolam.				
Midazolam	None Detected	ng/mL	5.0	
Synonym(s): Versed®				
Peak plasma levels following a single 12.5 mg IM dose: approximately 200 ng/mL within 45 minutes of dose. Following a single 75 mcg/kg IV dose over 1 minute: 320 ng/mL at 0.25 hours 250 ng/mL at 0.5 hours 210 ng/mL at 1 hour 140 ng/mL at 2 hours 80 ng/mL at 4 hours 40 ng/mL at 6 hours 20 ng/mL at 8 hours.				ŧ.
Triazolam	None Detected	ng/mL	2.0	
Synonym(s): Halcion®				
Following a single 0.25 mg oral dose, the mean plasma concentration: 3.0 ng/mL (range, 2.3 - 3.7 ng/mL) within 1.5 hours. Following a single 0.5 mg oral dose, the mean plasma concentration: 4.4 ng/mL (range, 1.7 - 9.4 ng/mL) within 4 hours.			/6	ORON.
Hydroxytriazolam	None Detected	ng/mL	5.0	K to Releas
Synonym(s): Triazolam Metabolite			1-6	~ ~ ~
Hydroxytriazolam has 50 to 100% of the pharmacological activity of Triazolam.			× ×	CRATE
Hydroxyethylflurazepam	None Detected	ng/mL	5.0	31

Results for sample 16144520-001 are continued on next page





NMS Labs

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, F-ABFT, DABCC-TC, Laboratory Director

Sample ID 16144520-001 Matrix Blood Patient Name SHANDLING, GARRY Patient ID 2016-02327 Collect Dt/Tm 05/09/2016 08:02 Source Jugular Blood

Analysis and Comments	Result	Units	Reporting Limit Notes
Synonym(s): Flurazepam Metabolite			
The mean peak plasma concentration following a 30 mg oral dose of Flurazepam was 18 ng Hydroxyethylflurazepam/mL at 1 hour post dose.			
Desalkylflurazepam	None Detected	ng/mL	5.0
Synonym(s): Flurazepam Metabolite			
The mean peak plasma concentration following a 30 mg oral dose of Flurazepam was 23 ng Desalkylflurazepam/mL at 12 hours post dose.			
Flurazepam	None Detected	ng/mL	2.0
Synonym(s): Dalmane®			
The mean peak plasma concentration following a 30 mg oral dose was 2.1 ng/mL at 1 hour post dose, but was undetectable at subsequent times.			
Estazolam	None Detected	ng/mL	5.0
Synonym(s): ProSom®			
The mean peak plasma concentration following a 1 mg oral dose was 55 ng/mL (range, 40 - 70 ng/mL).			
The mean peak plasma concentration following a 2 mg oral dose was 98 ng/mL (range, 75 - 140 ng/mL).			



(Rev. 9/13)

Deputy Medical Examiner

COUNTY OF LOS	ANGELES					CASE	REPORT			D	EPARTMENT OF CORONER
_	APPAREN	T MODE	۸۵۵	IDEN	T/ NI A	TURAL					CASE NO
4	SPECIAL	CIRCUMSTANC			1/ 14/1	TUKAL	<i>-</i>				2016-02327
											CRYPT
•	Celeb	rity, Med	lia ini	terest							CATE
LAST, FIRST MIDDLE	 E						-	AKA			44
SHAND	LING,	GARR	YE	MAN	JAL						#
100				Ļ			.,				
SEX RACE APPE		1.1	AGE		WGT	EYES	HAIR	TEETH ALL NATURAL	FACIAL HAIR NONE	ID VIEW	CONDITION
		/29/1949	66	69 in_	188 tbs.	BLUE	BROWN	TEETH		Yes	FAIR
MARK TYPE TATTOO		OCATION HOULDER		RK DESCRIPTION ESIGN	N						
TATTOO	NECK			RCLE							
SCAR	ABDO			VELL HEA	LED SCAL	RS					
ID METHOD CALIFORNIA	DRIVER'S L	JCENSE									
LA#	, i	AAIN#		CII#		1	FBI#	MILITA	RY#	POB	
IDENTIFIED BY NAM	IE (PRINT)					DE	LATIONSHIP	PHONE		DATE	T#45
								PHON		DATE	TIME
COURTNEY	CASTELLING	D 				N	ONE			3/25	/2016 10:30
PLACE OF DEATH / F	PLACE FOUND			SS OR LOCATIO					CITY		ZIP
HOSPITAL					MONIC	CA BOULE	VARD	<i>.</i>	SANTA MO	NICA	90404
PROVIDENCE PLACE OF INJURY	E ST.JOHN	S MEDICA AT WOR		NTER ATE	TIME	LOCAT	ION OR ADDRESS				TIP
UNKNOWN		No			111112	2.	ION OR ADDRESS				ZIP
3/24/2016	TIME 11:37			OXAS	ED BY						
OTHER AGENCY IN	OFFICER				P	HONE	REP	ORT NO.	NOTIE	FIED BY	NO
TRANSPORTED BY							TO		DATE		TIME
							LOS ANGI	ELES FSC			
FINGERPRINTS?	No	CLOTHING	3	No			PA RPT	No	MC	RTUARY	
MED. EV.	Yes	INVEST. P	ното #	5			SEAL TYPE	NOT SEALEI) но	SP RPT	Yes .
PHYS. EV	No	EVIDENCE	LOG	Yes			PROPERTY?	No	но	SP CHART	Yes
SUICIDE NOTE	No	GSR NO					RCPT. NO.	285675	PF	NO. 20	009199870
COMPLAINED WOULD GO T WHILE ON TH MEDICAL HIS FILTER, RECE SCARS AND V PRESCRIBED	O OF LEG PA THE NEXT D THE PHONE. STORY OF H ENT DENTA VAS SLIGHT MULTIPLE	AIN AND S AY. ON 3 HE WAS 1 IYPERPAR L WORK, I'LY JAUN MEDICAI	HORT /24/16 RANS RATHY AND R	NESS OF B AT 1040 H PORTED T ROIDISM, ECENTLY	REATH O OURS, TH O ST. JOH CHRONIC NOT FEE	ON 3/23/16 AM TE DECEDEN INS MEDICA TO PANCREAT LING WELL	ND WAS TOL IT CALLED 9 IL CENTER A FITTIS STATU: WHILE IN H IMA SEEN. F	I I BECAUSE HE IND PRONOUNG S POST-SURGEI AWAII. DECED OUL PLAY IS N	TO GO TO THE COULD NOT E CED DEAD IN T RY, DEEP VEIN ENT WAS NOT OT SUSPECTED	E DOCTOR. BREATHE A HE ER AT 1 THROMBO ED TO HAV	HE STATED HE ND COLLAPSED 137 HOURS. SIS WITH IVC E MULTIPLE
COURTNEY C	CASTELLING	0	7	1,	//	1		3/25/2010	REVIEWED BY		DAY-1-16
		an	Ly	2 Cm	~ 6_	L INVESTIGAT	OR T	10:50	1 ptr	~	TIME 12 00
	1		-	FORM	#3 NARF	RATIVE TO B	FOLLOW? I				