

# Toxicology Report

TRMC-Mineral King Laboratory, 880 E. Merritt Ave., STE 107-108, Tulare, CA 93274

Phone: (559) 685-3456 Fax: (559) 685-8745

Directors: Gary Walter M.D. - Jue-Rong Zhang M.D. Ph.D - Sharon Fong C.L.S.



Collected By: Janice Rivera

Date/Time Collected: 6/17/2015 03:00

Date/Time Received: 6/17/2015 14:00

Completion date: 6/23/2015 13:54

PORTERVILLE POLICE DEPT

350 N "D" St.

Porterville, CA 93257

(559) 782-7400

Name/DOB: [REDACTED]

Accession #: 1505636

Case Number: 15-3862

Specimen Type: BLOOD

1GRAY-1LAV

OFFENSE: 11550 (A) HS/OFFICER: S. WARD #158

DRIVER LICENSE NUMBER: NONE

## Blood Drug Screen {by ELISA} Results

Approved by: SM

### Amphetamines

See Amphetamine Confirmation

Barbiturates

Negative

### Cannabinoids

See THC Confirmation

Cocaine (Metabolite)

Negative

Benzodiazepines

Negative

Opiates

Negative

Phencyclidine

Negative

## Amphetamine Confirmation {GC/MS} Results

Approved by: SC

### Amphetamine

47

ng/mL

Result Amended from (Not detected or below reporting level [0]) (6/23/2015 13:25) to (47)

### Methamphetamine

702

ng/mL

Result Amended from (23) (6/23/2015 13:27) to (702)

Ephedrine

Not detected

Pseudoephedrine

Not detected

Phenylpropanolamine

Not detected

Phentermine

Not detected

MDMA, MDA, MDEA

Not detected

## (THC Confirmation on Request if Presumptive on Screen)

Approved by: SC

THC confirmation on request.

Accession #: 1505636/1

This report continues... (Final)

Reviewed by: \_\_\_\_\_

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## MKL ELISA Drug Screen Limits of Detection[I]

Approved by: [I]

PANEL	THRESHOLD
Amphetamines	5 ng/mL
Methamphetamines	5 ng/mL
Barbiturates	5 ng/mL
Cocaine	10 ng/mL
Benzodiazepines	5 ng/mL
Opiates	5 ng/mL
PCP	5 ng/mL
THC	5 ng/mL

A cut-off of 10 ng/mL was adopted and validated by MKL to ensure the detection of all true positives.

## Blood Reference Ranges & GC/MS Lower Quant Levels[i]

Approved by: [I]

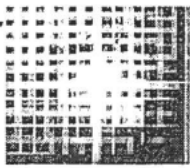
Drug	Reference Ranges	Source	GC/MS Lower Quantitation Level
Amphetamine	35-111 ng/mL	[1,2]	20 ng/mL
Methamphetamine	10-50 ng/mL	[1,2]	20 ng/mL
Butalbital	1,500-2,100 ng/mL	[1]	20 ng/mL
Pentobarbital	1,200-3,100 ng/mL	[1]	20 ng/mL
Phenobarbital	700-18,000 ng/mL	[1]	20 ng/mL
Secobarbital	2,000 ng/mL	[1]	20 ng/mL
Cocaine	11-200 ng/mL	[1]	20 ng/mL
Benzoyllecgonine	N/A		20 ng/mL
Alprazolam	19-55 ng/mL	[1,2]	100 ng/mL
Diazepam	148-1,030 ng/mL	[1]	25 ng/mL
Oxazepam	180-2,000 ng/mL	[2,3]	25 ng/mL
Temazepam	200-1,100 ng/mL	[2]	50 ng/mL
Codeine	30-134 ng/mL	[1]	20 ng/mL
Morphine	20-440 ng/mL	[1]	20 ng/mL
Phencyclidine	7-240 ng/mL	[1,2]	1 ng/mL

Accession #: 1505636/2

This report continues... (Final)

Reviewed by: \_\_\_\_\_

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Specimen Type: BLOOD

## Blood Reference Ranges & GC/MS Lower Quant Levels[i] (cont'd)

Approved by: [i]

Delta-9-THC	Peak (11 minutes after smoking)	[2]	1 ng/mL
	46-188 ng/mL		
	After 3 hours, .7-1.2 ng/mL		
THC-COOH	N/A		5 ng/mL

### Sources:

1. Dimairo, Vincent J., DiMaio Dominick, Forensic Pathology, 2nd Edition, CRC Press LLC, 2000 N.W. Corporate Blvd., Boca Raton, Florida 33431, 2001.
2. Baselt, Randall C., Ph.D Disposition of Toxic Drugs and Chemicals in Man, 7th Edition, Biochemical Publications, PO Box 8299, Foster City, CA 94404, 2004.
3. Moffat, Anthony C, Osselton, David, Widdop, Brian, Clarke's Analysis of Drugs and Poisons, 3rd Edition, Vol.2, Pharmaceutical Press, 2004.