

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: Richard Hernandez
Date/Time Collected: 6/17/2015 00:30
Date/Time Received: 6/17/2015 13:30
Completion date: 6/26/2015 12:03

CHP VISALIA OFFICE
5025 W. Noble Ave.
Visalia, CA 93277
(559) 734-6767

Name/DOB: [REDACTED] ([REDACTED])
Accession #: 1505627
Case Number: 06-17-15 [REDACTED]

Specimen Type: BLOOD

Reflexed testing per CHP

1GRAY-1LAV

OFFENSE: 23152 (E) VC/OFFICER: NEVAREE 19258

DRIVER LICENSE NUMBER: [REDACTED]

Blood Drug Screen {by ELISA} Results

Approved by: SM

<u>Amphetamines</u>	<u>See Amphetamine Confirmation</u>
Barbiturates	Negative
<u>Cannabinoids</u>	<u>See THC Confirmation</u>
<u>Cocaine (Metabolite)</u>	<u>See Cocaine Confirmation</u>
Benzodiazepines	Negative
Opiates	Negative
Phencyclidine	Negative

Amphetamine Confirmation {GC/MS} Results

Approved by: SC

<u>Amphetamine</u>	<u>48</u>	ng/mL
<u>Methamphetamine</u>	<u>635</u>	ng/mL
Ephedrine	Not detected	
Pseudoephedrine	Not detected	
Phenylpropanolamine	Not detected	
Phentermine	Not detected	
MDMA, MDA, MDEA	Not detected	

Cocaine Confirmation {GC/MS} Results

Approved by: SC

Cocaine	Not detected or below reporting level	
<u>Benzovlecgonine</u>	<u>111</u>	ng/mL

Cannabinoids Confirmation {GC/MS} Results

Approved by: SC

<u>Delta-9-THC</u>	<u>4</u>	ng/mL
<u>THC-COOH</u>	<u>72</u>	ng/mL

Reviewed by:

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MKL ELISA Drug Screen Limits of Detection [1]

Approved by: [1]

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.

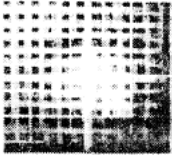
Blood Reference Ranges & GC/MS Lower Quant Levels [1]

Approved by [1]

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
Benzylecgonine	N/A		20 ng/mL
Alprazolam	19-55 ng/mL	[1,2]	100 ng/mL
Diazepam	146-1,030 ng/mL	[1]	25 ng/mL
Oxazepam	180-2,000 ng/mL	[2,3]	25 ng/mL
Tenazepam	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 #: 1505627/2
This report continues... (Final)

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

Approved by: []

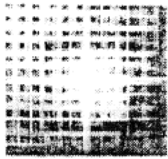
Delta-9-THC	Peak (11 minutes after smoking)	[2]	1 ng/mL
	46-188 ng/mL		
	After 3 hours, .7-1.2 ng/mL		
THC-COOH	N/A		5 ng/mL

Sources:

1. Dimaio, 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.

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Blood Alcohol {by GC} Results - - Units in % (g/100mL)

Approved by: SM

TESTED BY: SM
TEST DATE: 6/22/15
Blood Alcohol (Ethanol)= 0.04 %

Alcohol testing performed on gray top tube (containing preservative and anti-coagulant), unless otherwise specified.

Legal limit 0.08% for motor vehicle operation.

I certify, under penalty of perjury, under the laws of the state of California, that the attached blood alcohol analysis was performed during the regular course of my duties, and is a true and correct copy thereof. I further certify that I am an approved FORENSIC ALCOHOL ANALYST or SUPERVISOR by the state of California, that I am qualified to perform this analysis pursuant to Title 17 of the California Code of Regulations, and that the equipment used in arriving at the result was in proper working order at the time the analysis was performed and that the recording of the result was done at the time of the analysis. The lab accepted policy and procedures for Forensic Alcohol Analysis have been accepted by the State of CA and were followed during this analysis.

Signature: 