



**Human Performance Factual Report Attachment**

**Driver Toxicology Report**

**Bryce Canyon City, Utah**

**HWY19MH012**

(5 pages)



Utah Public Health Laboratories  
 Forensic Toxicology  
 4431 South 2700 West  
 Taylorsville, Utah 84129  
 Telephone:  
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Lab Information	
Lab Case #:	L2019-05969
Sample #:	1466906
Source:	Blood
Date Received:	10/01/2019
Date Completed:	10/10/2019
Subject Information	
Subject Name:	
Subject DoB:	
Agency Information	
Submitting Officer :	JOSEPH NEIGHBOR
Agency Case # :	1019R0896

AGENCY CODE: LE22B

SEVIER COUNTY UHP

Jade Murdock

835 E 300 N STE 600  
 RICHFIELD, UT 84701-2375

**TOXICOLOGY FINAL REPORT**

Test Run: **Drugs of Abuse Screen by ELISA**  
 Cocaine: **Not Detected**

Test Run: **Drugs of Abuse Screen by ELISA**  
 Methamphetamine: **Not Detected**

Test Run: **Drugs of Abuse Screen by ELISA**  
 Morphine: **Not Detected**

Test Run: **Drugs of Abuse Screen by ELISA**  
 THC Mtb: **Not Detected**

Test Run: **Volatiles Screen by HS-Dual GC/FID**  
 Ethanol: **Not Detected**  
 Acetone: **Not Detected**  
 Isopropanol: **Not Detected**  
 Methanol: **Not Detected**

Test Run: **Drug Screen by ToF/LC-MS**  
 Result: **Not Detected**

I certify under criminal penalty of the State of Utah  
 that the foregoing is true and correct.

Case reviewed by: Deki Yangser



*If "Not Detected" or "None Detected" is listed as the result, the drug(s) is/are not present above the reporting limit. Please contact the lab with any questions.*

**Services Manual**

**Appendix C: Testing Panels**

Following is a list of all the drugs included in our testing panels. The BFT services are subject to change depending on resources and/or changing customer needs.

For drugs not included in the BFT testing panels above, specimens may be sent to a reference laboratory at the expense of the submitting agency.

1. Volatiles Panel

<b>Volatiles Panel</b>					
Method: HS/GC <sup>i</sup>					
Drug Class	Drugs	Reporting Limits (grams/100mL or %)		General Detection Times	
		Blood	Urine	Blood	Urine
Volatiles	Ethanol	0.01	0.01	3-12 hours	
	Acetone	0.01	0.01	n/a	n/a
	Isopropanol Methanol				

- **Unless there are extenuating circumstances or a specific request, no further testing is conducted on specimens resulting in blood ethanol > 0.08 grams/100ml.**

2. Drugs of Abuse Panel

<b>Drugs of Abuse Panel</b>					
Methods: ELISA <sup>ii</sup> , LC-MS/MS, GC/MS <sup>iii</sup>					
Drug Class	Drugs	Reporting Limits (micrograms per milliliter)		General Detection Times	
		Blood	Urine	Blood	Urine
Amines	Amphetamine	0.05	0.10	1 - 3 days	3 - 5 days
	Methamphetamine				
	MDA				
	MDMA				
Cannabinoids (Marijuana)	THC	1 ng/ml	N/A	1-6 hours depending on frequency of use	3 – 27 days depending on single, moderate or chronic use
	THC-COOH (metabolite)	5 ng/ml	15 ng/ml		
Cocaine	Cocaine	0.05	0.10	5 hours	12 hours
	Benzoylcegonine (metabolite)			varies	2 - 4 days
Opiates	Morphine, etc.	0.05	0.10	1 - 4 hours	3 - 4 days

**Services Manual**

3. Prescription (Rx) drug Panel

<b>Prescription Drug and OTC Drug Panel</b>				
Method: LC-MS, LC-MS/MS, GC/MS				
	Drugs	Blood Reporting Limits (micrograms per milliliter)	General Detection Times	
		Blood	Blood	Urine
Multiple Drug Classes	Alprazolam (e.g., Xanax)	0.01	In general, prescription and over-the-counter drugs can be detected in blood within 4-24 hours, and in urine for 2-4 days.  Urine results are reported as Negative or Positive	
	α-OH Alprazolam (active metabolite of Alprazolam)	0.01		
	Amitriptyline: (e.g., Elavil)	0.02		
	Butalbital (Fioricet)	2		
	Carbamazepine (e.g., Tegretol)	5		
	Carisoprodol (e.g., Soma)	2		
	Chlorpheniramine (e.g., Triaminic)	0.02		
	Chlordiazepoxide (e.g., Librium)	0.01		
	Clonazepam (e.g., Klonopin)	0.01		
	7-aminoclonazepam (inactive metabolite)	0.01		
	Codeine (e.g., Brontex)	0.005		
	Cyclobenzaprine (e.g., Flexeril)	0.005		
	Dextromethorphan (e.g., in Robitussin)	0.02		
	Diazepam (e.g., Valium)	0.01		
	Diphenhydramine (e.g., Nytol, Sleep Aid)	0.02		
	Doxylamine (e.g., Unisom)	0.02		
	Fentanyl (e.g., Actiq)	0.005		
	Norfentanyl (e.g., inactive metabolite)	0.005		
	Hydrocodone (e.g., Lortab)	0.005		
	Lorazepam (e.g., Ativan)	0.01		
Meperidine (Demerol)	0.02			

## Services Manual

	Meprobamate	2	
	Methadone (e.g., Methadose)	0.02	
	Midazolam (e.g., Versed)	0.01	
	Nordiazepam (e.g., Nordaz)	0.01	
	Nortriptyline (e.g., Aventil)	0.02	
	Oxazepam (e.g., Serax)	0.01	
	Oxycodone	0.02	
	Phenobarbital (e.g., Luminal)	2	
	Phenytoin	5	
	Propoxyphene	0.02	
	Temazepam (e.g., Restoril)	0.01	
	Tramadol (e.g., Ultram)	0.005	
	Trazodone (Desyrel)	0.02	
	Zaleplon (e.g., Sonata)	0.01	
	Zolpidem (e.g., Ambien)	0.01	

NOTE: This list is being routinely updated. Please contact the laboratory with any inquiries regarding our test menu.

<sup>i</sup> Headspace Gas Chromatography

<sup>ii</sup> Enzyme Linked Immunosorbent Assay

<sup>iii</sup> Gas (G) or Liquid (L) Chromatography & Mass Spectrometry