



HUMAN PERFORMANCE FACTORS ATTACHEMENT

Report of Laboratory Examination

Randolph, NH

HWY19MH010

(13 pages)



State of New Hampshire

DEPARTMENT OF SAFETY

John J. Barthelmes, Commissioner of Safety

Division of State Police

James H. Hayes Safety Building, 33 Hazen Drive, Concord, NH 03305

FORENSIC LABORATORY

Criminalistics Group

(603) 223-3854 Fax: 271-1086

Toxicology Group

(603) 223-3855 Fax: 271-5936

Colonel Christopher J. Wagner
Director

Report of Laboratory Examination

Timothy J. Pifer
Laboratory Director

CAR
NHSP - OPERATIONS BUREAU
33 HAZEN DRIVE
CONCORD, NH 03305

Date: June 23, 2019
Laboratory No.: TX19-1127
Dept. No.: CAR-19-9674
Suspect/Subject: VOLODYMYR
ZHUKOVSKYY

Report ID #: TX19-1127-0001

This report contains the results of forensic toxicology examinations conducted on items of evidence submitted to the NH State Police Forensic Laboratory in conjunction with the above investigation.

EVIDENCE

DLN-1 Sample of whole blood

DATE OF ANALYSIS: June 23, 2019

ALCOHOL/VOLATILES (GC/FID)	RESULTS	EXPANDED UNCERTAINTY*	LIMIT OF QUANTITATION
Acetone	Negative		0.010 g/100ml
Ethanol	Negative		0.010 g/100ml
Isopropanol	Negative		0.010 g/100ml
Methanol	Negative		0.010 g/100ml

*The expanded uncertainty of the concentration is expressed at the 99.73% confidence level.

The remaining sample is being held for thirty (30) days upon completion of all testing. Any unclaimed sample(s) related to motor vehicle offenses and medical examiner investigations will be destroyed. All other sample(s) will be returned to the original submitting agency.

The criminalist's curriculum vitae, proficiency testing summary, applicable corrective action reports, and a copy of the case record are available upon request.

RECEIVED

JUL 08 2019

MAILED



STATE POLICE
OPERATIONS BUREAU

JUL 08 2019

CC: Glen Wilder
FARS/FATAL CRASH UNIT

STATE POLICE
OPERATIONS BUREAU

DARBY A. VANAMBURG
CRIMINALIST II



An ANSI National Accreditation Board accredited laboratory

Speech/Hearing Impaired, TDD Access: Relay NH 1-800-735-2964





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Date: June 23, 2019
Laboratory No.: TX19-1127
Dept. No.: CAR-19-9674
Suspect/Subject: VOLODYMYR
ZHUKOVSKYY

Report ID #: TX19-1127-0002

This report contains the results of forensic toxicology examinations conducted on items of evidence submitted to the NH State Police Forensic Laboratory in conjunction with the above investigation.

EVIDENCE

DLN-2 Sample of whole blood

DATE OF ANALYSIS: June 23, 2019

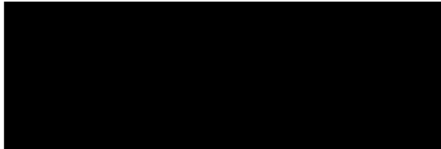
ALCOHOL/VOLATILES (GC/FID)	RESULTS	EXPANDED UNCERTAINTY*	LIMIT OF QUANTITATION
Acetone	Negative		0.010 g/100ml
Ethanol	Negative		0.010 g/100ml
Isopropanol	Negative		0.010 g/100ml
Methanol	Negative		0.010 g/100ml

Multiple exhibits with the same draw time were submitted for this individual. Only one exhibit will be tested for drugs. Results of the drug screen will appear on the report for exhibit # DLN-1.

**The expanded uncertainty of the concentration is expressed at the 99.73% confidence level.*

The remaining sample is being held for thirty (30) days upon completion of all testing. Any unclaimed sample(s) related to motor vehicle offenses and medical examiner investigations will be destroyed. All other sample(s) will be returned to the original submitting agency.

The criminalist's curriculum vitae, proficiency testing summary, applicable corrective action reports, and a copy of the case record are available upon request.



CC: Glen Wilder
FARS/FATAL CRASH UNIT

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Date: June 23, 2019
Laboratory No.: TX19-1127
Dept. No.: CAR-19-9674
Suspect/Subject: VOLODYMYR
ZHUKOVSKYY

Report ID #: TX19-1127-0003

This report contains the results of forensic toxicology examinations conducted on items of evidence submitted to the NH State Police Forensic Laboratory in conjunction with the above investigation.

EVIDENCE

DLN-3 Sample of whole blood

DATE OF ANALYSIS: June 23, 2019

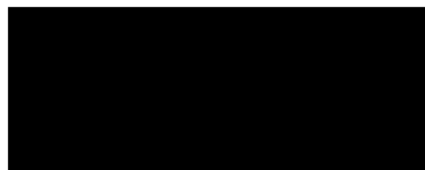
ALCOHOL/VOLATILES (GC/FID)	RESULTS	EXPANDED UNCERTAINTY*	LIMIT OF QUANTITATION
Acetone	Negative		0.010 g/100ml
Ethanol	Negative		0.010 g/100ml
Isopropanol	Negative		0.010 g/100ml
Methanol	Negative		0.010 g/100ml

Multiple exhibits with the same draw time were submitted for this individual. Only one exhibit will be tested for drugs. Results of the drug screen will appear on the report for exhibit # DLN-1.

**The expanded uncertainty of the concentration is expressed at the 99.73% confidence level.*

The remaining sample is being held for thirty (30) days upon completion of all testing. Any unclaimed sample(s) related to motor vehicle offenses and medical examiner investigations will be destroyed. All other sample(s) will be returned to the original submitting agency.

The criminalist's curriculum vitae, proficiency testing summary, applicable corrective action reports, and a copy of the case record are available upon request.



CC: Glen Wilder
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CONCORD, NH 03305

Date: June 24, 2019
Laboratory No.: TX19-1127
Dept. No.: CAR-19-9674
Suspect/Subject: VOLODYMYR
ZHUKOVSKYY

Report ID #: TX19-1127-0004

This report contains the results of forensic toxicology examinations conducted on items of evidence submitted to the NH State Police Forensic Laboratory in conjunction with the above investigation.

EVIDENCE

DLN-1 Sample of whole blood

DATE OF ANALYSIS: June 23, 2019

DRUG SCREEN (LC/MS TOF)	RESULTS	LIMIT OF DETECTION
Amphetamines	Negative	8 ng/ml
Barbiturates	Negative	150 ng/ml
Benzodiazepines	Negative	4 ng/ml
Buprenorphine	Negative	0.4 ng/ml
Cannabinoids	Negative	1 ng/ml
Carisoprodol	Negative	85 ng/ml
Cocaines	Positive (SEE ATTACHED REPORT)	4 ng/ml
Fentanyl	Positive (SEE ATTACHED REPORT)	0.25 ng/ml
Ketamines	Negative	2 ng/ml
Methadone	Negative	9 ng/ml
Opiates	Positive (SEE ATTACHED REPORT)	2 ng/ml
Zolpidem	Negative	4 ng/ml

All submitted exhibits will be confirmed for opiates.

The drug screen provides only a preliminary analytical test result. The remaining sample is being held for thirty (30) days upon completion of all testing. Any unclaimed sample(s) related to motor vehicle offenses and medical examiner investigations will be destroyed. All other sample(s) will be returned to the original submitting agency.

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Lab No.: TX19-1127

Dept. No.: CAR-19-9674

Date: June 24, 2019



CC: Glen Wilder
FARS/FATAL CRASH UNIT

LYNN B. CASEY
CRIMINALIST I

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Date: June 24, 2019
Laboratory No.: TX19-1127
Dept. No.: CAR-19-9674
Suspect/Subject: VOLODYMYR
ZHUKOVSKYY

Report ID #: TX19-1127-0006

This report contains the results of forensic toxicology examinations conducted on items of evidence submitted to the NH State Police Forensic Laboratory in conjunction with the above investigation.

EVIDENCE

DLN-1 Sample of whole blood

DATE OF ANALYSIS: June 24, 2019

CONFIRMATION - FENTANYL TEST METHOD: LC/MS QQQ

ANALYTE	RESULTS	EXPANDED UNCERTAINTY*	LIMIT OF QUANTITATION
Acetyl Fentanyl	0.33 ng/ml	+/- 0.07 ng/ml	0.10 ng/ml
Carfentanyl	Negative		0.10 ng/ml
Fentanyl	6.7 ng/ml	+/- 1.3 ng/ml	0.10 ng/ml
Furanyl Fentanyl	Negative		0.10 ng/ml
Norfentanyl	3.3 ng/ml	+/- 0.6 ng/ml	0.10 ng/ml

*The expanded uncertainty of the concentration is expressed at the 95.45% confidence level.

The remaining sample is being held for thirty (30) days upon completion of all testing. Any unclaimed sample(s) related to motor vehicle offenses and medical examiner investigations will be destroyed. All other sample(s) will be returned to the original submitting agency.

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DARBY A. VANAMBURG
CRIMINALIST II

CC: Glen Wilder
FARS/FATAL CRASH UNIT



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Date: June 24, 2019
Laboratory No.: TX19-1127
Dept. No.: CAR-19-9674
Suspect/Subject: VOLODYMYR
ZHUKOVSKYY

Report ID #: TX19-1127-0005

This report contains the results of forensic toxicology examinations conducted on items of evidence submitted to the NH State Police Forensic Laboratory in conjunction with the above investigation.

EVIDENCE

DLN-1 Sample of whole blood

DATE OF ANALYSIS: June 24, 2019

CONFIRMATION - COCAINE TEST METHOD: GC/MS

ANALYTE	RESULTS	EXPANDED UNCERTAINTY*	LIMIT OF QUANTITATION
Benzoyllecgonine	See Note		10 ng/ml
Cocæethylene	Negative		10 ng/ml
Cocaine	Negative		10 ng/ml

Note: Results for this compound were above the upper quantitation limit. The sample will be reanalyzed at a dilution. Please see the followup report for quantitative results for benzoyllecgonine.

**The expanded uncertainty of the concentration is expressed at the 95.45% confidence level.*

The remaining sample is being held for thirty (30) days upon completion of all testing. Any unclaimed sample(s) related to motor vehicle offenses and medical examiner investigations will be destroyed. All other sample(s) will be returned to the original submitting agency.

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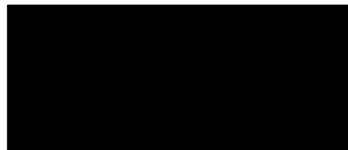
Laboratory Director

Colonel Christopher J. Wagner
Director

Lab No.: TX19-1127

Dept. No.: CAR-19-9674

Date: June 24, 2019



CC: Glen Wilder
FARS/FATAL CRASH UNIT

DARBY A. VANAMBURG
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Date: June 24, 2019
Laboratory No.: TX19-1127
Dept. No.: CAR-19-9674
Suspect/Subject: VOLODYMYR
ZHUKOVSKYY

Report ID #: TX19-1127-0007

This report contains the results of forensic toxicology examinations conducted on items of evidence submitted to the NH State Police Forensic Laboratory in conjunction with the above investigation.

EVIDENCE

DLN-1 Sample of whole blood

DATE OF ANALYSIS: June 24, 2019

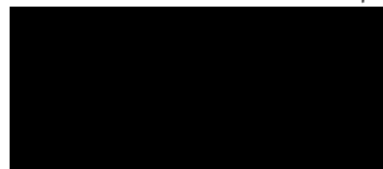
CONFIRMATION - OPIATE TEST METHOD: GC/MS

ANALYTE	RESULTS	EXPANDED UNCERTAINTY*	LIMIT OF QUANTITATION
6-Acetylmorphine	Negative		10 ng/ml
Codeine	Negative		10 ng/ml
Hydrocodone	Negative		10 ng/ml
Morphine	21 ng/ml	+/- 3 ng/ml	10 ng/ml
Oxycodone	Negative		10 ng/ml

*The expanded uncertainty of the concentration is expressed at the 95.45% confidence level.

The remaining sample is being held for thirty (30) days upon completion of all testing. Any unclaimed sample(s) related to motor vehicle offenses and medical examiner investigations will be destroyed. All other sample(s) will be returned to the original submitting agency.

The criminalist's curriculum vitae, proficiency testing summary, applicable corrective action reports, and a copy of the case record are available upon request.



LYNN B. CASEY
CRIMINALIST I

CC: Glen Wilder
FARS/FATAL CRASH UNIT

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Report of Laboratory Examination

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CONCORD, NH 03305

Date: June 26, 2019
Laboratory No.: TX19-1127
Dept. No.: CAR-19-9674
Suspect/Subject: VOLODYMYR
ZHUKOVSKYY

Report ID #: TX19-1127-0008

This report contains the results of forensic toxicology examinations conducted on items of evidence submitted to the NH State Police Forensic Laboratory in conjunction with the above investigation.

EVIDENCE

DLN-1 Sample of whole blood

DATE OF ANALYSIS: June 25, 2019

CONFIRMATION - COCAINE TEST METHOD: GC/MS

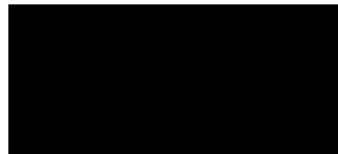
ANALYTE	RESULTS	EXPANDED UNCERTAINTY*	LIMIT OF QUANTITATION
Benzoylcegonine	1058 ng/ml	+/- 159 ng/ml	10 ng/ml

Sample analyzed at a dilution due to initial result above quantitation limit.

**The expanded uncertainty of the concentration is expressed at the 95.45% confidence level.*

The remaining sample is being held for thirty (30) days upon completion of all testing. Any unclaimed sample(s) related to motor vehicle offenses and medical examiner investigations will be destroyed. All other sample(s) will be returned to the original submitting agency.

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DARBY A. VANAMBURG
CRIMINALIST II

CC: Glen Wilder
FARS/FATAL CRASH UNIT





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Report of Laboratory Examination

CAR
NHSP - OPERATIONS BUREAU
33 HAZEN DRIVE
CONCORD, NH 03305

Date: June 28, 2019
Laboratory No.: TX19-1127
Dept. No.: CAR-19-9674
Suspect/Subject: VOLODYMYR
ZHUKOVSKYY

Report ID #: TX19-1127-0014

This report contains the results of forensic toxicology examinations conducted on items of evidence submitted to the NH State Police Forensic Laboratory in conjunction with the above investigation.

EVIDENCE

DLN-2 Sample of whole blood

DATE OF ANALYSIS: June 27, 2019

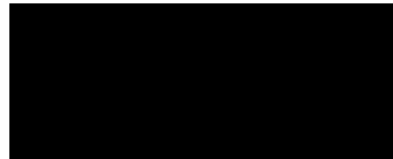
CONFIRMATION - OPIATE TEST METHOD: GC/MS

ANALYTE	RESULTS	EXPANDED UNCERTAINTY*	LIMIT OF QUANTITATION
6-Acetylmorphine	Negative		10 ng/ml
Codeine	Negative		10 ng/ml
Hydrocodone	Negative		10 ng/ml
Morphine	17 ng/ml	+/- 2 ng/ml	10 ng/ml
Oxycodone	Negative		10 ng/ml

**The expanded uncertainty of the concentration is expressed at the 95.45% confidence level.*

The remaining sample is being held for thirty (30) days upon completion of all testing. Any unclaimed sample(s) related to motor vehicle offenses and medical examiner investigations will be destroyed. All other sample(s) will be returned to the original submitting agency.

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Date: June 28, 2019
Laboratory No.: TX19-1127
Dept. No.: CAR-19-9674
Suspect/Subject: VOLODYMYR
ZHUKOVSKYY

Report ID #: TX19-1127-0015

This report contains the results of forensic toxicology examinations conducted on items of evidence submitted to the NH State Police Forensic Laboratory in conjunction with the above investigation.

EVIDENCE

DLN-3 Sample of whole blood

DATE OF ANALYSIS: June 27, 2019

CONFIRMATION - OPIATE TEST METHOD: GC/MS

ANALYTE	RESULTS	EXPANDED UNCERTAINTY*	LIMIT OF QUANTITATION
6-Acetylmorphine	Negative		10 ng/ml
Codeine	Negative		10 ng/ml
Hydrocodone	Negative		10 ng/ml
Morphine	22 ng/ml	+/- 3 ng/ml	10 ng/ml
Oxycodone	Negative		10 ng/ml

**The expanded uncertainty of the concentration is expressed at the 95.45% confidence level.*

The remaining sample is being held for thirty (30) days upon completion of all testing. Any unclaimed sample(s) related to motor vehicle offenses and medical examiner investigations will be destroyed. All other sample(s) will be returned to the original submitting agency.

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