



Case# 2015-1223

MEDICAL EXAMINER'S REGISTER

CITY AND COUNTY OF SAN FRANCISCO - RECORD OF DEATH

Name: MURDOCK, IAN

Alias:

ADDRESS: 2410 GREEN STREET SAN FRANCISCO CA 94123
DATE OF DEATH: 12/28/2015 TIME: 7:39 PM REPORTED BY: RC#1 THOMAS
DATE OF REPORT 12/28/2015 TIME: 8:05 PM REPORTED PHONE: 415-246-0806
PLACE OF DEATH: OWN RESIDENCE ZIP: 94123
TYPE OF CASE: 801 HANGING DATE AND TIME OF INCIDENT: 12/28/2015
PLACE OF INCIDENT: 2410 GREEN STREET ZIP: 94123
NEXT OF KIN: DATE NOTIFIED 12/28/2015
BIRTHDATE: 04/28/1973 AGE: 42 SS# SEX: MALE RACE WHITE
RECEIVED AT MEDICAL EXAMINER: 12/28/2015 TIME: 10:00 PM
RELEASED TO: BEST CREMATION CARE FUNERAL DIRECTOR
RELEASED DATE: 12/31/2015 TIME: 16:30
RECEIVED BY: CLOTHING RECEIVED: NO
RELEASE SIGNED BY RELATIONSHIP: DOMESTIC PARTNER
POUCH: YES RESIDENCE SEALED: YES

Table with 2 columns: PROPERTY LISTING and EVIDENCE LISTING. Includes items like 2 CELL PHONE, 1 IPAD, 1 KEY, 1 LAPTOP COMPUTER W/CH, 1 PORTABLE HARD DRIVE, 1 LIGATURE W/REMAINS, 48 PHOTOS.

VERIFIED BY: KB DATE: 12/29/2015
PUBLIC ADMINISTRATOR: DATE NOTIFIED:
PLACED IN BOX #: 557 RECEIVED AMOUNT: \$0.00 CHECK#:
RECEIVED BY: RELATIONSHIP: DATE/TIME:
RECEIVED BY: RELATIONSHIP: DATE/TIME:
BODY SEARCHED BY: ADAM HELLMAN #109 AT: SCENE
PREMISES SEARCHED BY: ADAM HELLMAN #1 AT: SCENE
PREMISES SEALED BY: ADAM HELLMAN #109 DATE: 12/28/2015
EXAMINATION: PERFORMED BY: HART M.D.
EVIDENCE DISPOSITION:
INVESTIGATORS: ADAM HELLMAN #109 KENDALL FUDIM #115

I HEREBY CERTIFY THAT THE FOREGOING IS A FULL, TRUE, AND CORRECT COPY OF THE ORIGINAL.

Handwritten signature and date: uf 7-5-2016

Case#: 2015-1223

Status: CLOSED

Name: MURDOCK IAN alias:

Police Notified YES

Police\_Office: NORTHERN

Police\_Officer: THOMPSON #1292

Police\_At\_Scene: YES

Officer: THOMPSON #1292

Station: NORTHERN

Homicide\_Office:

SFPD\_Case#: 151-117-986

Homicide Officer:

AIB\_or\_HR\_Notified:

Notification Date:

Date:

Notification Time:

AIB\_Officer:

Nature: 801 HANGING

Fingerprints\_Taken: YES Palmprints\_Taken: NO

Taken\_By: OJ

Taken Date: 12/29/2015

To\_SFPD\_Date: 01/04/2016 Match: Y Match#: S677417

To\_CII\_Date: 01/04/2016 Match: Y Match#: A356938

To\_FBI\_Date: 01/04/2016 Match: Y Match#: 209059D

Photos\_Date: 12/28/2015 Taken\_By: ATH



Case#: 2015-1223

MEDICAL EXAMINER / INVESTIGATOR'S REPORT

CITY AND COUNTY OF SAN FRANCISCO - RECORD OF DEATH

NAME: MURDOCK IAN Date/Time of Death: 12/28/2015 7:39 PM

PLACE OF DEATH OWN RESIDENCE Age: 42 Sex: MALE Ht: 5'10" Wt: 208

POLICE NOTIFIED POLICE STATION NOTIFIED POLICE OFFICER Race: WHITE
YES NORTHERN THOMPSON #1292

HOMICIDE NOTIFIED DATE TIME HOMICIDE OFFICER

MARITAL STATUS: SINGLE

IDENTIFIED BY: VISUAL CONFIRMATION/ FP AT: SCENE/ SFPD ID DATE: 12/28/2015

FINGERPRINTS TAKEN PALMPRINTS PRINTS TAKEN BY DATE
YES NO OJ 12/29/2015

TO SFPD DATE: 01/04/2016 TO CII DATE: 01/04/2016

SFPD MATCH: Y SFPD MATCH#: S677417 CII MATCH: Y CII MATCH#: A35693858

TO FBI DATE: 01/04/2016 PHOTOS DATE: 12/28/2015

FBI MATCH: Y FBI MATCH#: 209059DD8 TAKEN BY: ATH

POLICE AT SCENE AT SCENE OFFICER POLICE STATION
YES THOMPSON #1292 NORTHERN

SFPD CASE#: 151-117-986

AIB or HR NOTIFIED: AIB DATE:
AIB OFFICER: NATURE: 801 HANGING

CASE HISTORY

The subject, a 42 year old male, resides alone at 2410 Green Street, in San Francisco. The subject was found inside his locked residence, hanged by his neck, by San Francisco Police Officers performing a well-being check, after friends were concerned by the subject's suicidal ideations he was "tweeting" all day on social media.

According to information received by San Francisco Rescue Captain Thomas #1 and San Francisco Police Officer Thompson #1292, filling incident report #151-117-986, the following investigative report was generated. On 12/28/2015, the subject was on his profile for a social media website called "Twitter". According to friends who follow the subject on the website, throughout the day today the subject was "tweeting" suicidal ideations and cryptic messages. Friends of the subject read these "tweets" and became very concerned for the subject's well-being. Reportedly numerous anonymous persons began to call the San Francisco Police Department, asking for an officer to respond to the subject's residence for a well-being check. San Francisco Police Officer Thompson #1292 responded to the subject's home at approximately 1910 hours. Officer Thompson #1292 looked through the window of the subject's front door and saw the subject lying facedown on the stairs, unresponsive. Officer Thompson #1292 then kicked the subject's locked front door down in order to gain access into the residence. Once inside the residence, Officer Thompson #1292 noticed the subject had an electric cord from a vacuum wrapped around his neck, unresponsive. Officer Thompson #1292 untied the make shift ligature



**Case#: 2015-1223**

## **MEDICAL EXAMINER / INVESTIGATOR'S REPORT**

CITY AND COUNTY OF SAN FRANCISCO - RECORD OF DEATH

that was around the subject's neck and lied him on his back on the floor in between the front door and the stairs. Officer Thompson #1292 then summoned for Emergency Services. San Francisco Fire Department Rescue Captain Thomas #1 arrived on scene. Once on scene, Rescue Captain Thomas #1 determined the subject was beyond any resuscitative efforts and death was confirmed at 1939 hours, on 12/28/2015. This office was notified of this death at 2005 hours, same date.

Investigation at the scene revealed the subject lying supine on the floor behind the front door just in front of the. The subject was noted to be covered in a yellow emergency blanket. The subject was noted to be nude. When the officer first walked into the residence he observed a vacuum located to the left of the subject. Per Officer Thompson #1292, when he first arrived on scene he found the subject lying facedown in a prone position with his feet resting on the floor but his body lying on the stairs. Officer Thompson #1292 then noticed that the subject had a makeshift ligature tied around his neck with the vacuum's electrical cord, while the vacuum was at the top of the stairs held in position by the railing of the stairs. Officer Thompson #1292 then unwrapped the cord of the vacuum and moved the vacuum off the stair's railing to loosen the ligature and create slack in order to be able to move the subject from the stairs to the floor in order to perform lifesaving procedures. According to Officer Thompson #1292, no photos of the subject's original found position were taken by the officers. There were no signs of any tobacco or illicit drug use noted throughout the empty residence. Evidence of alcohol use was noted with many empty bottles of wine found in several rooms of the residence. No medications were found on scene.

External examination of the cold and flaccid remains revealed a furrow about the neck of the subject. Lividity was noted to be fixed. No obvious signs of external trauma or foul play were observed about the remains.

According to the subject's neighbor, the subject was recently going through a lot of problems. The subject recently broke up with his girlfriend and was being evicted from his residence at the end of this month. The subject is a known drinker and can get "out of control" from time to time, per the neighbor. The police have been called to the subject's residence before by a neighbor due to loud noises, screaming, and reported domestic issues with his girlfriend, which have been caused by the subject's drinking. The neighbor stated that to the best of his knowledge, the subject was not suicidal, had never voiced suicidal ideations, nor has he had any past suicide attempts. The neighbor stated that the subject knocked on his front door at approximately 1533 hours, the same afternoon 12/28/2015, and tried to apologize to the neighbor and make amends to the neighbor for everything that has happened over the last couple of months. The neighbor thought this behavior was strange, and thought it was odd the subject was doing this today, but he did not think much of it at the time.

**INVESTIGATOR:** ADAM HELLMAN #109

KENDALL FUDIM #115

Case#: 2015-1223

Status: CLOSED

Name: MURDOCK IAN alias: [redacted]

Date: 12/28/2015

Time: 22:53

Contact\_Person: [redacted]

Contact\_Phone: [redacted]

Comments:

According to Officer Thompson #1292, the subject was reportedly arrested by San Francisco Police Department on 12/26/2015 for suspicion of intoxication, resisting arrest, and assault on a Police Officer.

Investigator: ADAM HELLMAN #109

Date: 12/29/2015

Time: 2:03

Contact\_Person: SISTER [redacted]

Contact\_Phone: [redacted]

Comments:

Sister called this Office at above date and time. She reported that the subject has been having psychological issues for about 20 years, but she did not know if he ever made any suicide attempts before. She indicated that the subject was not currently married. He is divorced and his children are minors.

The sister reported that the subject's parents are still alive and she will inform them of his death. She was told that the parents are the legal next of kin and that she may assist them with the subject's funeral/memorial arrangements. She was told that an authorization letter would be needed from the parents allowing her to make funeral home arrangements.

Investigator: MICHAEL SUCHOVICKI

Case#: 2015-1223

Status: CLOSED

Name: MURDOCK IAN alias:

Date: 12/29/2015

Time: 12:43

Contact\_Person: ROOMMATE/DOMESTIC PARTNER

Contact\_Phone:

Comments:

Received a phone call from a person claiming domestic partnership with the subject. We requested the contact provide documentation to the San Francisco Office of the Chief Medical Examiner to detail her legal relationship to the subject.

Investigator: DEVIN ETHEREDGE

Date: 04/26/2016

Time: 14:50

Contact\_Person:

Contact\_Phone:

Comments:

Property letter sent to ex-wife, mother of minor child. 5/6/16: sister called re property. There was a will that left everything to the girlfriend. The will is being contested by the family and a court date is scheduled for next week to review the will. I asked for a copy of the letters of administration/testamentary which will be issued by the court. Then the property can be released. Please HOLD this property until court determination has been received.

Investigator: SUSAN M. KELLER

Case#: 2015-1223

Status: CLOSED

Name: MURDOCK IAN

alias:

Date: 05/13/2016

Time: 7:23

Contact\_Person: Dr. Hart

Contact\_Phone:

Comments:

I received and reviewed the Toxicology Report. The findings do not change my opinion regarding the cause and manner of death.

Investigator: AMY P. HART, M.D. #128

Case#: 2015-1223

Status: CLOSED

Restricted

Name: MURDOCK

alias:

IAN

Manner of Death: Suicide

DC Done: 12/29/2015

Method: Hanging

Amendment:

Rpt\_Type: AUTOPSY

Doctor: HART

Report\_Date: 05/13/2016

Summary:

CAUSE OF DEATH: HANGING

**Detail Report**

Attach Picture

View Photo

Report Type

View Report

Print Report



**CITY AND COUNTY OF SAN FRANCISCO**

Office of the Chief Medical Examiner  
Medical Division

Case No. 2015-1223

Name: **MURDOCK, IAN**

Date & Time of Necropsy: **December 29, 2015 0900 Hours**

Age: **42**      Height: **5' 10"**      Weight: **208 lbs.**

**PRELIMINARY EXAMINATION:** The body is received in a white plastic pouch and is identified by an appropriately labeled Medical Examiner's tag attached to the right great toe. When first viewed, the decedent is unclad, and is not accompanied by personal effects or valuables. There is a vacuum cleaner with attached cord that accompanies the body, as the ligature. The vacuum cleaner with attached cord is retained as Evidence.

The body is cold, following refrigeration. There is moderate rigor mortis present. There is blanchable red posterior dependent lividity, except in areas exposed to pressure, and red congestion of the head and neck above the level of the ligature mark described below under "Evidence of Injury." There is no evidence of decomposition, embalming, or organ donation.

**EXTERNAL EXAMINATION:** The body is of a well-developed, well-nourished, moderately hirsute, white man whose appearance is compatible with the recorded age of 42 years. The neck, head, face, torso and upper and lower extremities are described further under "Evidence of Injury."

The scalp hair is brown, straight, and measures up to approximately 5 inches in greatest length. There is an approximately 1/2 inch in greatest length brown moustache and beard. The eyelids are intact and unremarkable. There are rare petechial hemorrhages of the left upper bulbar conjunctivae. The sclerae and conjunctivae are otherwise congested, and otherwise unremarkable. The corneas are translucent. The pupils are equally dilated at approximately 5 mm in greatest diameter. The irides are brown. The mouth has natural teeth in good repair, and an atraumatic mucosa. The nose is intact, symmetrical, and unremarkable. The external ears are bilaterally symmetrical, well-formed, intact, and unremarkable.

The trachea is palpable in the midline. Cerebrospinal fluid from the cisterna magna is clear. The chest is otherwise well-developed and symmetrical. The abdomen is flat. The posterior body surfaces and anus are otherwise unremarkable. The external genitalia are those of an uncircumcised adult man, with testes bilaterally descended within the scrotum.

The bilateral upper extremities, below the level of the mid-upper arms are tanned. The upper and lower extremities are well-developed, with all digits present. The fingernails and toenails are soiled.

**EVIDENCE OF MEDICAL THERAPY:** There is a single electrocardiographic monitoring electrode on the anterior left side of the torso.

**IDENTIFYING MARKS AND SCARS:** Encircling the right arm is a tattoo which is photo-documented.

**CITY AND COUNTY OF SAN FRANCISCO**

Office of the Chief Medical Examiner  
Medical Division

**Case No. 2015-1223**

Name: **MURDOCK, IAN**

Date & Time of Necropsy: **December 29, 2015 0900 Hours**

**EVIDENCE OF INJURY:**

**HANGING:** On the anterior and left side of the neck are parallel red linear abrasions with intermittent areas of sparing. The individual red abrasions measure no greater than 1/16 inch in greatest width. This area of discontinuous parallel and paired red abrasions measures approximately 5 inches x 3/4 inches overall. This area of red abrasion is centered approximately 3-1/4 inches below the left external auditory meatus. The anterior portion of the red abrasions is centered over the thyroid cartilage.

The neck is dissected after the thoracoabdominal and cranial contents are removed. Internally, the superficial and deep muscles of the neck show no evidence of hemorrhages. The tongue is unremarkable. The hyoid bone and thyroid and cricoid cartilages are intact, with no adjacent soft tissue hemorrhages. The mucosae of the larynx and trachea are unremarkable with no intraluminal obstructive lesions. There are no prevertebral fascial hemorrhages or underlying cervical vertebral fractures.

**BLUNT FORCE INJURIES:** On the upper central forehead are three (3) separate scabbed lacerations ranging from approximately 3/8 inch to 5/8 inch in greatest dimension. On the left supraclavicular fossa is an approximately 1/2 inch in greatest dimension red abrasion. On the posterior right side of the neck is a punctate healing red abrasion. On the upper central chest is an approximately 1-1/2 inch in greatest dimension purple-red contusion. On the upper right side of the chest is an approximately 1-1/2 inch in greatest dimension purple-red contusion. On the central abdomen are two (2) separate purple-red contusions ranging up to 1 inch in greatest dimension. On the lower left side of the abdomen is an approximately 3 inch in greatest dimension red abrasion. On the upper right side of the back is an approximately 1 inch in greatest dimension obliquely oriented linear red abrasion. On the upper left side of the back is an approximately 3 inch in greatest length obliquely oriented linear red abrasion. On the lower left side of the back, just above the left buttock, is an approximately 2 inch in greatest dimension purple-red contusion. On the front of the right arm is an approximately 4-1/2 inch in greatest dimension purple-red contusion. On the medial right forearm, near the right wrist, is an approximately 1/2 inch in greatest dimension purple-red contusion. On the back of the left arm is an approximately 1 inch in greatest dimension purple-red contusion. On the back of the left elbow is an approximately 2 inch in greatest dimension red contusion. On the anterior left forearm are four (4) purple-red contusions ranging up to 3/4 inch in greatest dimension. On the back of the left thumb is an approximately 1/4 inch in greatest dimension red abrasion. On the back of the left index finger is an approximately 1/2 inch in greatest dimension red abrasion. On the bilateral knees are red contusions and purple-red contusions measuring up to 5 inches in greatest dimension. On the front of the right shin is an approximately 1/2 inch in greatest dimension red abrasion. The well-developed skeleton is without evidence of palpable fractures. On dissection of the scalp, the skull is intact with no evidence of fractures.

**CITY AND COUNTY OF SAN FRANCISCO**

Office of the Chief Medical Examiner  
Medical Division

Case No. 2015-1223

Name: MURDOCK, IAN

Date & Time of Necropsy: December 29, 2015 0900 Hours

*These injuries and findings, having been described above, will not be repeated.*

**INTERNAL EXAMINATION:** The subcutaneous body fat is approximately 2.5 cm in its maximum thickness at the mid-abdomen. The pleural cavities are free of abnormal collections of fluid or hemorrhage. The visceral and parietal pleurae are intact and unremarkable. The pericardial sac is intact and unremarkable. The abdominal cavity is intact and unremarkable. The lower abdominal wall has apparent surgical mesh imbedded in the fascia with no apparent overlying scar. The thoracoabdominal organs are in their usual positions. The diaphragms are intact.

**CARDIOVASCULAR SYSTEM:** The heart weighs approximately 500 grams. The epicardium is smooth and intact. The cardiac contour is globoid. The coronary arteries follow their usual anatomic pathways, with no atherosclerotic stenosis or recent thrombus of the epicardial vessels. The myocardium is red-brown, without evidence of infarcts or focal lesions. The left ventricle measures approximately 1.0 cm thick concentrically; and the right ventricle measures approximately 0.3 cm thick concentrically. The chambers are dilated. The endocardium, chordae, and papillary muscles are unremarkable. The valves are intact and unremarkable. The foramen ovale is closed. The aorta and its major branches follow the normal pathways and are unremarkable. The vena cava and major veins are intact and unremarkable.

**RESPIRATORY SYSTEM:** The left lung weighs approximately 510 grams; the right lung weighs approximately 600 grams. Externally and on sectioning, the pulmonary parenchyma is without masses, consolidations, obstructions, hemorrhages, or destructive emphysema. The tracheobronchial tree shows an unremarkable mucosa with no intraluminal obstructive lesions. The pulmonary vessels show no evidence of thromboemboli.

**HEPATOBIILIARY SYSTEM:** The liver weighs approximately 2,070 grams and has an intact capsule covering a moderately firm, red-brown parenchyma, with sharp anterior borders. Cut sections of the liver show no lesions.

The gallbladder contains approximately 30 ml of yellow-brown bile with no stones.

**HEMATOPOIETIC SYSTEM:** The spleen weighs approximately 210 grams and has an intact capsule covering moderately firm, red-purple parenchyma which on cut sections shows unremarkable lymphoid follicles. The thymus has been replaced by adipose tissue and is unremarkable. The thoracoabdominal and cervical lymph nodes are not enlarged. The visible bone marrow is unremarkable.

**ENDOCRINE SYSTEM:** The pituitary gland is intact and not enlarged, and is unremarkable. The thyroid gland is bilaterally symmetrical and unremarkable in color, size, and consistency. The cortices and medullae of the adrenal glands are unremarkable.

**CITY AND COUNTY OF SAN FRANCISCO**

Office of the Chief Medical Examiner  
Medical Division

Case No. **2015-1223**

Name: **MURDOCK, IAN**

Date & Time of Necropsy: **December 29, 2015 0900 Hours**

Externally and on sectioning, the well-lobulated pancreas is without increased fibrosis, hemorrhage, or mineralizations.

**GASTROINTESTINAL SYSTEM:** The oropharynx and esophagus show unremarkable mucosae. The mucosa, wall, and serosa of the stomach are unremarkable. The stomach contains approximately 200 ml of brown thin fluid, with no identifiable food fragments, tablets, capsules, or pill residues. The small intestine, large intestine, mesentery, and appendix are unremarkable.

**GENITOURINARY SYSTEM:** The left kidney weighs approximately 200 grams; the right kidney weighs approximately 190 grams. The renal capsules are intact and strip with ease from the underlying smooth, dark-red cortices. The corticomedullary junctions are well-demarcated, and the pyramids and papillae are unremarkable. The calyces and pelves are not dilated, and the ureters are patent to the bladder, which contains approximately 300 ml of clear yellow urine. The bladder mucosa and wall are intact, with unremarkable trabeculations.

**MUSCULOSKELETAL SYSTEM:** The firm, red-brown muscles are without evidence of focal lesions. The skeleton has been described above.

**HEAD AND CENTRAL NERVOUS SYSTEM:** The soft tissues and muscles of the scalp are intact and unremarkable. The skull has been described above. There is no epidural, subdural, subarachnoid, intraparenchymal or intraventricular hemorrhage. The leptomeninges are thin and delicate. The arteries at the base of the brain are unremarkable. The dural sinuses and floor of the skull are intact and unremarkable. Externally and on sectioning, the cerebral hemispheres, deep brain nuclei, cerebellum, brainstem, and uppermost cervical spinal cord are bilaterally symmetrical and unremarkable.

**FINDINGS:**

- I. HANGING
  - A. LIGATURE ABRASIONS OF ANTERIOR AND RIGHT SIDE OF NECK
  - B. LIGATURE RETAINED
2. MULTIPLE BLUNT FORCE INJURIES: CUTANEOUS LACERATIONS, ABRASIONS AND CONTUSIONS OF FOREHEAD, TORSO AND UPPER AND LOWER EXTREMITIES
3. DILATED CARDIOMYOPATHY (500 GRAMS)
4. HEPATOMEGALY (2,070 GRAMS) AND SPLENOMEGALY (210 GRAMS)
5. CLINICAL HISTORY: ALCOHOL ABUSE WITH WITHDRAWAL SEIZURES, AND ASPERGER SYNDROME

CITY AND COUNTY OF SAN FRANCISCO

Office of the Chief Medical Examiner  
Medical Division

Case No. 2015-1223

Name: MURDOCK, IAN

Date & Time of Necropsy: December 29, 2015 0900 Hours

CAUSE OF DEATH: HANGING

MANNER: SUICIDE

Spec. to Pathology: Portions of brain, heart, lungs, spleen, liver, kidneys, stomach, esophagus, gallbladder, appendix, tongue, small intestine, pituitary gland, adrenal glands, pancreas, thyroid gland, hyoid bone and psoas muscle.

Spec. to Histology: None.

Spec. to Toxicology: Blood, urine, vitreous humor, cerebrospinal fluid, gastric contents, muscle, liver, bile, and brain.

Physicians Present: E.G. Moffatt, M.D

Forensic Techs: D. Etheredge.

Photography: Devin Etheredge and Amy P. Hart, M.D., Assistant Medical Examiner, San Francisco Medical Examiner's Office.

Evidence: Blood spot.

*Amy P. Hart, M.D.*

Amy P. Hart, M.D.  
Assistant Medical Examiner

M.D. Hunter, M.D.  
A.P. Hart, M.D.  
E.G. Moffatt, M.D.  
H.S. Narula, M.D.

APH/PMT/jbw/aph 1/12/16 16 JAN 13 PM 1:15

SAN FRANCISCO  
MEDICAL EXAMINER



TOXICOLOGY REPORT

NAME: MURDOCK, IAN  
CASE NO: 2015-1223T

SUBMISSION DATE: 12/31/2015 M. E.: AH  
REPORT DATE: 05/09/2016

ANALYTICAL RESULTS:

SPECIMEN TYPE	COMPOUND	RESULT	UNITS	ANALYSIS BY
Blood (Peripheral)	Ethanol	0.21	% (w/v)	HS-GC-FID
Vitreous Humor	Ethanol	0.24	% (w/v)	HS-GC-FID
Blood (Peripheral)	Chlordiazepoxide <sup>1</sup>	1200	ng/mL	LC-MS/MS
Blood (Peripheral)	Nordiazepam <sup>1</sup>	230	ng/mL	LC-MS/MS
Blood (Peripheral)	Diazepam	45	ng/mL	LC-MS/MS
Blood (Peripheral)	Oxazepam	9	ng/mL	LC-MS/MS
Blood (Peripheral)	Temazepam	Confirmed Present*		LC-MS/MS
Urine	Chlordiazepoxide	Confirmed Present		LC-MS/MS
Urine	Nordiazepam	Confirmed Present		LC-MS/MS
Urine	Diazepam	Confirmed Present		LC-MS/MS
Urine	Oxazepam	Confirmed Present		LC-MS/MS
Urine	Temazepam	Confirmed Present		LC-MS/MS

COMMENTS

Report prepared by MM.MM

Nikolas P. Lemos, Ph.D., FRSC, F-ABFT  
Director & Chief Forensic Toxicologist

ANALYTICAL PROTOCOL:

Specimens submitted were subjected to Analytical Panels A and B. Analytical Panel A employs HS-GC-FID to detect and quantify ethanol, methanol, isopropanol and acetone and may also detect other volatile compounds which would require additional analyses for confirmation and/or quantitation. Analytical Panel B employs Biochip Array Technology, GC, GC-MS and/or LC-MS/MS to detect, confirm and/or quantify Amphetamines, Barbiturates, Bath Salts I & II, Benzodiazepines, Benzylpiperazines, Buprenorphine, Cannabinoids, Chloral Hydrate, Cocaine, Ethyl Glucuronide (EtG), Fentanyl, Haloperidol, Ibuprofen, Ketamine, Lysergic Acid Diethylamide (LSD), Meprobamate, Mescaline, Methadone, Opiates, Opioids, Oxycodone, Phencyclidine (PCP), Phenylpiperazines I & II, Propoxyphene, Salicylates, Salvinorin, Synthetic Cannabinoids I, II, III, IV & V, Tricyclic Antidepressants, Zaleplon, Zolpidem, Zopiclone, and over one hundred drugs and metabolites. Please contact the Forensic Laboratory Division if you have questions regarding specific substances.

ANALYTICAL PROTOCOL COMMENTS:

Confirmation/Quantitation performed by NMS Labs, Willow Grove, PA.  
Confirmed Present by LC-MS/MS but below the Limit of Quantitation.

MAY 11 PM 2:52  
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MEDICAL EXAMINER

MAY 11 PM 2:52  
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MEDICAL EXAMINER