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SUPPLEMENTAL 1 POSTMORTEM TOXICOLOGY OUTSOURCING NOTIFICATION

Case Information:

Date Submitted: January 10, 2023

Notification Date: March 30, 2023

Laboratory No.: 23-00702

Date of Death: January 04, 2023

Medical Examiner Case No.: 23-186

Medical Examiner: Michele Matthews, MD

Decedent: Sayed Arif FAISAL

Specimens:

Item Number	Item Type	Miscellaneous Information
1-1-03	Iliac Blood	
1-1-03.1	Iliac Blood	Sent To Nms

Specimen(s) were sent to National Medical Services (NMS) for testing.

ALL BIOLOGICAL SPECIMENS MAINTAINED AT THE MSPCL WILL BE DISPOSED OF 9 MONTHS AFTER DATE OF RECEIPT, UNLESS WRITTEN REQUEST FOR RETURN OF SAMPLES IS RECEIVED.

Nathaniel A. Almeida
Forensic Scientist II

This report was electronically signed using password protected software.



NMS Labs

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Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

Toxicology Report

Report Issued 03/25/2023 15:07

Patient Name Not Provided
Patient ID 23-00702
Chain NMSCP241583
DOB Not Given
Sex Not Given
Workorder 23093989

To: 20188
Massachusetts State Police-Forensic Services
124 Acton St

Maynard, MA 01754

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Positive Findings:

Table with 4 columns: Analyte, Result, Units, Matrix Source. Rows include Caffeine (Presump Pos, mcg/mL) and Midazolam (49, ng/mL).

See Detailed Findings section for additional information

Testing Requested:

Table with 2 columns: Test, Test Name. Row: 8052B, Postmortem, Expanded, Blood (Forensic)

Specimens Received:

Table with 6 columns: ID, Tube/Container, Volume/Mass, Collection Date/Time, Matrix Source, Labeled As. Row: 001, Blue Cap Plastic Tube, 9 mL, Not Given, Iliac Blood, 23-00702

All sample volumes/weights are approximations.
Specimens received on 03/10/2023.

NAA (handwritten signature)



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Detailed Findings:

Table with 6 columns: Analysis and Comments, Result, Units, Rpt. Limit, Specimen Source, Analysis By. Rows include Caffeine and Midazolam results.

Other than the above findings, examination of the specimen(s) submitted did not reveal any positive findings of toxicological significance by procedures outlined in the accompanying Analysis Summary.

Reference Comments:

- 1. Midazolam (Versed®) - Iliac Blood:

Midazolam is a short acting benzodiazepine (a DEA Schedule IV controlled analyte) with sedative/hypnotic properties and is a strong central nervous system depressant. It is used for preoperative sedation, as a sedative hypnotic and as an agent for the induction of anesthesia. It has significant abuse potential. Effects noted following use may include sedation, somnolence (drowsiness or sleepiness), visual disturbances (diplopia or double vision), dysarthria (slurred speech), ataxia (shaky movements and unsteady gait), and intellectual impairment and coma may result.

Sample Comments:

- 001 Alternate Case ID: 1-1-03.1
001 Autopsy ID: 23-186

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded one (1) year from the date of this report; and generated data will be discarded five (5) years from the date the analyses were performed.

Workorder 23093989 was electronically signed on 03/25/2023 14:28 by:

Handwritten signature of Meaghan M. Ringel

Meaghan M. Ringel, M.S.F.S., D-ABFT-FT
Forensic Toxicologist

Analysis Summary and Reporting Limits:

All of the following tests were performed for this case. For each test, the compounds listed were included in the scope. The Reporting Limit listed for each compound represents the lowest concentration of the compound that will be reported as being positive. If the compound is listed as None Detected, it is not present above the Reporting Limit. Please refer to the Positive Findings section of the report for those compounds that were identified as being present.

Test 50012B - Benzodiazepines Confirmation, Blood - Iliac Blood

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

Table with 4 columns: Analyte, Rpt. Limit, Analyte, Rpt. Limit. Lists 7-Amino Clonazepam, Alpha-Hydroxyalprazolam, Alprazolam, Chlordiazepoxide, Clobazam, and Clonazepam with their respective reporting limits.

Handwritten signature/initials



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Patient ID 23-00702

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Analysis Summary and Reporting Limits:

Analyte	Rpt. Limit	Analyte	Rpt. Limit
Desalkylflurazepam	5.0 ng/mL	Lorazepam	5.0 ng/mL
Diazepam	20 ng/mL	Midazolam	5.0 ng/mL
Estazolam	5.0 ng/mL	Nordiazepam	20 ng/mL
Flurazepam	2.0 ng/mL	Oxazepam	20 ng/mL
Hydroxyethylflurazepam	5.0 ng/mL	Temazepam	20 ng/mL
Hydroxytriazolam	5.0 ng/mL	Triazolam	2.0 ng/mL

Test 8052B - Postmortem, Expanded, Blood (Forensic) - Iliac Blood

-Analysis by Enzyme-Linked Immunosorbent Assay (ELISA) for:

Analyte	Rpt. Limit	Analyte	Rpt. Limit
Barbiturates	0.040 mcg/mL	Gabapentin	5.0 mcg/mL
Cannabinoids	10 ng/mL	Salicylates	120 mcg/mL

-Analysis by Headspace Gas Chromatography (GC) for:

Analyte	Rpt. Limit	Analyte	Rpt. Limit
Acetone	5.0 mg/dL	Isopropanol	5.0 mg/dL
Ethanol	10 mg/dL	Methanol	10 mg/dL

-Analysis by High Performance Liquid Chromatography/Time of Flight-Mass Spectrometry (LC/TOF-MS) for: The following is a general list of analyte classes included in this screen. The detection of any specific analyte is concentration-dependent. Note, not all known analytes in each specified analyte class are included. Some specific analytes outside of these classes are also included. For a detailed list of all analytes and reporting limits, please contact NMS Labs. Amphetamines, Anticonvulsants, Antidepressants, Antihistamines, Antipsychotics, Benzodiazepines, CNS Stimulants, Cocaine and Metabolites, Hallucinogens, Hypnotics, Muscle Relaxants, Non-Steroidal Anti-Inflammatory Agents, Opiates and Opioids.