NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Demo Report

Report Issued 10/29/2019 09:01
Last Report Issued 10/29/2019 09:01

88888
Clinical Example Report
Attn: Example Reports
200 Welsh Road
Horsham, PA 19044

Patient Name 8051TI-POS
Patient ID 8051TI-POS
Chain 19001713
Age Not Given **DOB** Not Given
Gender Not Given
Workorder 19001713

Received 10/14/2019 10:37

Sample ID 19001713-001
Matrix Tissue
Patient Name 8051TI-POS
Patient ID 8051TI-POS
Container Type Clear vial

Collect Dt/Tm Not Given
Source Abdominal

Approx Vol/Weight Not Given

Receipt Notes None Entered

Tissue specimen required homogenization: 19001713-001

No testing performed on this sample.

NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Sample ID 19001713-002
Matrix Tissue
Patient Name 8051TI-POS
Patient ID 8051TI-POS
Container Type Clear vial

Collect Dt/Tm Not Given
Source Abdominal

Approx Vol/Weight Not Given

Receipt Notes None Entered

NMS Labs generated homogenized Tissue sample: 19001713-002

Analysis and Comments	Result	Units	Reporting Limit	Notes
8051TI Postmortem, Basic, Tissue (Forensic)				
Analysis by Enzyme-Linked Immunosorbent Assay (ELISA)				
Opiates	See Comment	ng/g	80	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Cocaine / Metabolites	See Comment	ng/g	80	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Benzodiazepines	See Comment	ng/g	400	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Cannabinoids	See Comment	ng/g	40	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Amphetamines	See Comment	ng/g	80	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Barbiturates	See Comment	mcg/g	0.16	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Methadone / Metabolite	See Comment	ng/g	100	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Phencyclidine	See Comment	ng/g	40	
Synonym(s): Angel Dust; PCP; Sherm				
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Fentanyl / Acetyl Fentanyl	See Comment	ng/g	1.0	

Results for sample 19001713-002 are continued on next page

NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Sample ID 19001713-002
Matrix Tissue
Patient Name 8051TI-POS
Patient ID 8051TI-POS

Collect Dt/Tm Not Given
Source Abdominal

Analysis and Comments	Result	Units	Reporting Limit	Notes
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Methamphetamine / MDMA	See Comment	ng/g	80	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Oxycodone / Oxymorphone	See Comment	ng/g	40	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Buprenorphine / Metabolite	See Comment	ng/g	2.0	
Synonym(s): Buprenex®; Suboxone®; Subutex®; Temgesic®				
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Analysis by Headspace Gas Chromatography (GC)				
Ethanol	340	mg/100 g	40	
Synonym(s): Ethyl Alcohol; Metabolite of Ethyl Acetate				
Ethyl alcohol (ethanol, drinking alcohol) is a central nervous system depressant and can cause effects such as impaired judgment, reduced alertness and impaired muscular coordination. Ethanol can also be a product of decomposition or degradation of biological samples.				
Methanol	340	mg/100 g	20	
Synonym(s): Methyl Alcohol				
Methanol is contained in paints, cleaners, windshield washer fluid, 'canned heat', and other household products. It may be consumed for its intoxicating properties which are similar to ethanol; however it is much more toxic. In addition to central nervous system depression with its associated slowing of reaction time, lethargy and confusion, methanol can cause blindness due to its toxic metabolites.				
Isopropanol	340	mg/100 g	20	
Synonym(s): Isopropyl Alcohol				

Results for sample 19001713-002 are continued on next page

NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Sample ID 19001713-002
Matrix Tissue
Patient Name 8051TI-POS
Patient ID 8051TI-POS

Collect Dt/Tm Not Given
Source Abdominal

Analysis and Comments	Result	Units	Reporting Limit	Notes
Isopropanol is a common industrial and laboratory chemical that is available as a 70% aqueous solution in 'Rubbing Alcohol'. Isopropanol may be consumed for its intoxicating effects. Isopropanol produces effects in man similar to those produced by ethanol, including impairment of cognitive, perceptual and psychomotor capabilities presenting as decrements in alertness, judgment, perception, coordination, response time and sense of care and caution. As a central nervous system depressant, isopropanol has about two times the potency of ethanol; therefore, while the effects produced are similar, impairment caused by isopropyl alcohol will occur at blood concentrations substantially lower than those of ethanol. Isopropyl alcohol is metabolized to acetone, however acetone produced in the body as a result of uncontrolled diabetes can also be converted to isopropanol.				
Acetone	340	mg/100 g	20	
Acetone is a solvent used for chemicals, paints, etc. It is also a product of diabetic- and fasting-induced ketoacidosis as well as a metabolite following isopropanol ingestion. In high concentrations, acetone can have CNS-depressing effects. Symptoms include lethargy, ataxia, headache, nausea and lightheadedness. Stupor and coma appear in severe cases. Acetone produced in the body as a result of uncontrolled diabetes can also be converted to isopropanol.				
50010TI Amphetamines Confirmation, Tissue				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
Ephedrine	200	ng/g	20	
Pseudoephedrine	200	ng/g	20	
Phenylpropanolamine	200	ng/g	80	
Synonym(s): Norephedrine; PPA				
Norpseudoephedrine	200	ng/g	20	
Synonym(s): Cathine				
Norpseudoephedrine is a metabolite of Pseudoephedrine.				
Amphetamine	200	ng/g	20	
Phentermine	200	ng/g	20	

Results for sample 19001713-002 are continued on next page

NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Sample ID 19001713-002
Matrix Tissue
Patient Name 8051TI-POS
Patient ID 8051TI-POS

Collect Dt/Tm Not Given
Source Abdominal

Analysis and Comments	Result	Units	Reporting Limit	Notes
Synonym(s): Adipex-P®; Ionamin®; Pro-Fast®				
Methamphetamine	200	ng/g	80	
This test reports Methamphetamine as the total of the undifferentiated d and l enantiomers. The ratio of these enantiomers is important in determining whether the source of Methamphetamine is from over the counter medications, prescribed medication or controlled substances.				
MDA	200	ng/g	20	
Synonym(s): 3,4-Methylenedioxyamphetamine; Adam; MDMA Metabolite				
MDMA	200	ng/g	20	
Synonym(s): 3,4-Methylenedioxymethamphetamine; Ecstasy				
MDEA	200	ng/g	20	
Synonym(s): 3,4-methylenedioxyethylamphetamine; Eve				
50011TI Barbiturates Confirmation, Tissue				
Analysis by Gas Chromatography/Mass Spectrometry (GC/MS)				
Butabarbital	200	mcg/g	0.80	
Synonym(s): Butisol Sodium				
Butalbital	200	mcg/g	0.80	
Amobarbital	200	mcg/g	0.80	
Pentobarbital	200	mcg/g	0.80	
Secobarbital	200	mcg/g	0.80	
Synonym(s): Seconal®				
Phenobarbital	200	mcg/g	2.0	
Synonym(s): Luminal®				
No reference data available.				
50012TI Benzodiazepines Confirmation, Tissue				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
Diazepam	200	ng/g	80	

Results for sample 19001713-002 are continued on next page

NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Sample ID 19001713-002
Matrix Tissue
Patient Name 8051TI-POS
Patient ID 8051TI-POS

Collect Dt/Tm Not Given
Source Abdominal

Analysis and Comments	Result	Units	Reporting Limit	Notes
Synonym(s): Valium®				
Nordiazepam	200	ng/g	80	
Oxazepam	200	ng/g	80	
Synonym(s): Serax®				
Temazepam	200	ng/g	80	
Synonym(s): Normison®; Restoril®				
Clobazam	200	ng/g	80	
Synonym(s): Frisium®; Urbanyl®				
Chlordiazepoxide	200	ng/g	80	
Synonym(s): Librium®				
Lorazepam	200	ng/g	20	
Synonym(s): Ativan®				
Clonazepam	200	ng/g	8.0	
Synonym(s): Klonopin®				
7-Amino Clonazepam	200	ng/g	20	
Synonym(s): Clonazepam Metabolite				
Alprazolam	200	ng/g	20	
Synonym(s): Xanax®				
Alpha-Hydroxyalprazolam	200	ng/g	20	
Synonym(s): Alprazolam Metabolite				
Midazolam	200	ng/g	20	
Synonym(s): Versed®				
Triazolam	200	ng/g	8.0	
Synonym(s): Halcion®				
Hydroxytriazolam	200	ng/g	20	
Synonym(s): Triazolam Metabolite				
Hydroxyethylflurazepam	200	ng/g	20	
Synonym(s): Flurazepam Metabolite				
Desalkylflurazepam	200	ng/g	20	
Synonym(s): Flurazepam Metabolite				
Flurazepam	200	ng/g	8.0	

Results for sample 19001713-002 are continued on next page

NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Sample ID 19001713-002
Matrix Tissue
Patient Name 8051TI-POS
Patient ID 8051TI-POS

Collect Dt/Tm Not Given
Source Abdominal

Analysis and Comments	Result	Units	Reporting Limit	Notes
Synonym(s): Dalmane®				
Estazolam	200	ng/g	20	
Synonym(s): ProSom®				
No reference data available.				
50013TI Cannabinoids Confirmation, Tissue				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
11-Hydroxy Delta-9 THC	200	ng/g	4.0	
Synonym(s): Active Metabolite				
Delta-9 Carboxy THC	200	ng/g	20	
Synonym(s): Inactive Metabolite				
Delta-9 THC	200	ng/g	2.0	
Synonym(s): Active Ingredient of Marijuana				
50014TI Cocaine and Metabolites Confirmation, Tissue				
Analysis by Gas Chromatography/Mass Spectrometry (GC/MS)				
Cocaine	400	ng/g	80	
Cocaethylene	400	ng/g	80	
Synonym(s): Cocaine/Ethanol By-Product				
Benzoylecgonine	400	ng/g	200	
Synonym(s): Cocaine Degradation Product				
50015TI Methadone and Metabolite Confirmation, Tissue				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
Methadone	200	ng/g	80	
Synonym(s): Dolophine®				
EDDP	200	ng/g	80	

Results for sample 19001713-002 are continued on next page

NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Sample ID 19001713-002
Matrix Tissue
Patient Name 8051TI-POS
Patient ID 8051TI-POS

Collect Dt/Tm Not Given
Source Abdominal

Analysis and Comments	Result	Units	Reporting Limit	Notes
Synonym(s): Methadone Metabolite				
No reference data available.				
50016TI Opiates - Total (Conjugated/Unconjugated) Confirmation, Tissue				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
Dihydrocodeine / Hydrocodol - Total	1000	ng/g	100	
Codeine - Total	1000	ng/g	100	
Morphine - Total	1000	ng/g	100	
Hydrocodone - Total	1000	ng/g	100	
Synonym(s): Dicodid®				
Hydromorphone - Total	1000	ng/g	20	
Synonym(s): Dilaudid®; Hydrocodone Metabolite				
Oxycodone - Total	1000	ng/g	100	
Synonym(s): OxyContin®; Roxicodone®				
Oxymorphone - Total	1000	ng/g	20	
Synonym(s): Numorphan®; Opana®; Oxycodone Metabolite				
No reference data available.				
50017TI Phencyclidine Confirmation, Tissue				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
Phencyclidine	200	ng/g	20	
Synonym(s): Angel Dust; Sherm; PCP				
No reference data available.				
52167TI Buprenorphine and Metabolite - Total (Conjugated/Unconjugated) Confirmation, Tissue				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				

Results for sample 19001713-002 are continued on next page

NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Sample ID 19001713-002
Matrix Tissue
Patient Name 8051TI-POS
Patient ID 8051TI-POS

Collect Dt/Tm Not Given
Source Abdominal

Analysis and Comments	Result	Units	Reporting Limit	Notes
Buprenorphine - Total	1000	ng/g	10	
Synonym(s): Buprenex®				
The reported result represents the total of free and conjugated buprenorphine.				
Norbuprenorphine - Total	1000	ng/g	10	
Synonym(s): Buprenorphine Metabolite				
Buprenorphine is metabolized in the liver by N-dealkylation to norbuprenorphine and both buprenorphine and norbuprenorphine undergo glucuronide conjugation. The reported result represents the total of free and conjugated norbuprenorphine.				
52250TI Alcohols and Acetone Confirmation, Tissue				
Analysis by Headspace Gas Chromatography (GC)				
Ethanol	Confirmed	mg/100 g	40	
Synonym(s): Ethyl Alcohol; Metabolite of Ethyl Acetate				
Methanol	Confirmed	mg/100 g	20	
Synonym(s): Methyl Alcohol				
Isopropanol	Confirmed	mg/100 g	20	
Synonym(s): Isopropyl Alcohol				
Acetone	Confirmed	mg/100 g	20	
52484TI Fentanyl and Acetyl Fentanyl Confirmation, Tissue				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
Fentanyl	1000	ng/g	2.0	
Synonym(s): Duragesic®; Sublimaze®				
Substance(s) known to interfere with the identity and/or quantity of the reported result: 4-methylphenethyl acetyl fentanyl				
Norfentanyl	1000	ng/g	4.0	
Synonym(s): Fentanyl Metabolite				

Results for sample 19001713-002 are continued on next page

NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Sample ID 19001713-002
Matrix Tissue
Patient Name 8051TI-POS
Patient ID 8051TI-POS

Collect Dt/Tm Not Given
Source Abdominal

Analysis and Comments	Result	Units	Reporting Limit	Notes
Substance(s) known to interfere with the identity and/or quantity of the reported result: Benzyl Fentanyl				
Acetyl Fentanyl	1000	ng/g	2.0	
Acetyl fentanyl is a novel non-prescription synthetic opioid that has been implicated in several deaths.				