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

**CONFIDENTIAL**

## Demo Report

**Report Issued** 01/13/2020 07:58
**Last Report Issued** 09/19/2019 08:40

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

**Patient Name** 8052FL-POS
**Patient ID** 8052FL-POS
**Chain** 19001470
**Age** Not Given **DOB** Not Given
**Gender** Not Given
**Workorder** 19001470

**Received** 09/18/2019 09:03

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**Sample ID** 19001470-001
**Matrix** Fluid
**Patient Name** 8052FL-POS
**Patient ID** 8052FL-POS
**Container Type** Clear vial

**Collect Dt/Tm** Not Given
**Source** Not Given

**Approx Vol/Weight** Not Given

**Receipt Notes** None Entered

| Analysis and Comments | Result | Units | Reporting Limit | Notes |
|---|---|---|---|---|
| **8052FL Postmortem, Expanded, Fluid (Forensic)** | | | | |
| Analysis by Enzyme-Linked Immunosorbent Assay (ELISA) | | | | |
| Opiates | See Comment | ng/mL | 20 | |
| Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s). | | | | |
| Cocaine / Metabolites | See Comment | ng/mL | 20 | |
| Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s). | | | | |
| Benzodiazepines | See Comment | ng/mL | 100 | |
| Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s). | | | | |
| Cannabinoids | See Comment | ng/mL | 10 | |
| Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s). | | | | |
| Oxycodone / Oxymorphone | See Comment | ng/mL | 10 | |
| Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s). | | | | |
| Buprenorphine / Metabolite | See Comment | ng/mL | 0.50 | |

Results for sample 19001470-001 are continued on next page

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**Sample ID** 19001470-001
**Matrix** Fluid
**Patient Name** 8052FL-POS
**Patient ID** 8052FL-POS

**Collect Dt/Tm** Not Given
**Source** Not Given

| Analysis and Comments | Result | Units | Reporting Limit | Notes |
|---|---|---|---|---|
| Synonym(s): Buprenex®; Subutex®; Suboxone®; 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 | 85 | mg/dL | 10 | |
| Synonym(s): Ethyl Alcohol | | | | |
| 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 | 85 | mg/dL | 5.0 | |
| 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 | 85 | mg/dL | 5.0 | |
| Synonym(s): Isopropyl Alcohol | | | | |
| 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. | | | | |

Results for sample 19001470-001 are continued on next page

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**Sample ID** 19001470-001
**Matrix** Fluid
**Patient Name** 8052FL-POS
**Patient ID** 8052FL-POS

**Collect Dt/Tm** Not Given
**Source** Not Given

| Analysis and Comments | Result | Units | Reporting Limit | Notes |
|---|---|---|---|---|
| Acetone | 85 | mg/dL | 5.0 | |
| 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. | | | | |
| Analysis by Colorimetry (C) | | | | |
| Salicylates | See Comment | mcg/mL | 200 | |
| Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s). | | | | |
| Analysis by Gas Chromatography/Mass Spectrometry (GC/MS) | | | | |
| Other Findings | None Found | | | |
| Comment: The following is a general list of compound classes included in the Gas Chromatographic screen. The detection of any particular compound is concentration-dependent. Please note that not all known compounds included in each specified class or heading are included. Some specific compounds outside these classes are also included. For a detailed list of all compounds and reporting limits included in this screen, please contact NMS Labs. | | | | |
| Amphetamines, Analgesics (opioid and non-opioid), Anorectics, Antiarrhythmics, Anticholinergic Agents, Anticonvulsant Agents, Antidepressants, Antiemetic Agents, Antihistamines, Antiparkinsonian Agents, Antipsychotic Agents, Antitussive Agents, Antiviral Agents, Calcium Channel Blocking Agents, Cardiovascular Agents (non-digitalis), Local Anesthetics Agents, Muscle Relaxants and Stimulants (Amphetamine-like and others). | | | | |
| Analysis by Gas Chromatography/Mass Spectrometry (GC/MS) | | | | |
| Other Findings | None Found | | | |

Results for sample 19001470-001 are continued on next page

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**Sample ID** 19001470-001
**Matrix** Fluid
**Patient Name** 8052FL-POS
**Patient ID** 8052FL-POS

**Collect Dt/Tm** Not Given
**Source** Not Given

| Analysis and Comments | Result | Units | Reporting Limit | Notes |
|---|---|---|---|---|
| Comment: Anesthetics, Anticoagulant Agents, Antifungal Agents, Antihypertensive Agents, Anxiolytics (Benzodiazepine and others), Hypnosedatives (Barbiturates, Non-Benzodiazepine Hypnotics, and others) and Non-Steroidal Anti-Inflammatory Agents (excluding Salicylate). | | | | |
| **50001FL Salicylate Confirmation, Fluid** | | | | |
| Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | | | | |
| Salicylate | 50 | mcg/mL | 5.0 | |
| No reference data available. | | | | |
| **50012FL Benzodiazepines Confirmation, Fluid** | | | | |
| Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | | | | |
| Diazepam | 50 | ng/mL | 20 | |
| Synonym(s): Valium® | | | | |
| Nordiazepam | 50 | ng/mL | 20 | |
| Oxazepam | 50 | ng/mL | 20 | |
| Synonym(s): Serax® | | | | |
| Temazepam | 50 | ng/mL | 20 | |
| Synonym(s): Normison®; Restoril® | | | | |
| Clobazam | 50 | ng/mL | 20 | |
| Synonym(s): Frisium®; Urbanyl® | | | | |
| Chlordiazepoxide | 50 | ng/mL | 20 | |
| Synonym(s): Librium® | | | | |
| Lorazepam | 50 | ng/mL | 5.0 | |
| Synonym(s): Ativan® | | | | |
| Clonazepam | 50 | ng/mL | 2.0 | |
| Synonym(s): Klonopin® | | | | |
| 7-Amino Clonazepam | 50 | ng/mL | 5.0 | |
| Synonym(s): Clonazepam Metabolite | | | | |
| Alprazolam | 50 | ng/mL | 5.0 | |

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**Sample ID** 19001470-001
**Matrix** Fluid
**Patient Name** 8052FL-POS
**Patient ID** 8052FL-POS

**Collect Dt/Tm** Not Given
**Source** Not Given

| Analysis and Comments | Result | Units | Reporting Limit | Notes |
|---|---|---|---|---|
| Synonym(s): Xanax® | | | | |
| Alpha-Hydroxyalprazolam | 50 | ng/mL | 5.0 | |
| Synonym(s): Alprazolam Metabolite | | | | |
| Midazolam | 50 | ng/mL | 5.0 | |
| Synonym(s): Versed® | | | | |
| Triazolam | 50 | ng/mL | 2.0 | |
| Synonym(s): Halcion® | | | | |
| Hydroxytriazolam | 50 | ng/mL | 5.0 | |
| Synonym(s): Triazolam Metabolite | | | | |
| Hydroxyethylflurazepam | 50 | ng/mL | 5.0 | |
| Synonym(s): Flurazepam Metabolite | | | | |
| Desalkylflurazepam | 50 | ng/mL | 5.0 | |
| Synonym(s): Flurazepam Metabolite | | | | |
| Flurazepam | 50 | ng/mL | 2.0 | |
| Synonym(s): Dalmane® | | | | |
| Estazolam | 50 | ng/mL | 5.0 | |
| Synonym(s): ProSom® | | | | |
| No reference data available. | | | | |

**50013FL Cannabinoids Confirmation, Fluid**

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

| | | | | |
|---|---|---|---|---|
| 11-Hydroxy Delta-9 THC | 50 | ng/mL | 1.0 | |
| Synonym(s): Active Metabolite | | | | |
| Delta-9 Carboxy THC | 50 | ng/mL | 5.0 | |
| Synonym(s): Inactive Metabolite | | | | |
| Delta-9 THC | 50 | ng/mL | 0.50 | |
| Synonym(s): Active Ingredient of Marijuana | | | | |
| No reference data available. | | | | |

Results for sample 19001470-001 are continued on next page

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**Sample ID** 19001470-001
**Matrix** Fluid
**Patient Name** 8052FL-POS
**Patient ID** 8052FL-POS

**Collect Dt/Tm** Not Given
**Source** Not Given

| Analysis and Comments | Result | Units | Reporting Limit | Notes |
|---|---|---|---|---|
| **50014FL Cocaine and Metabolites Confirmation, Fluid** | | | | |
| Analysis by Gas Chromatography/Mass Spectrometry (GC/MS) | | | | |
| Cocaine | 500 | ng/mL | 20 | |
| Cocaethylene | 500 | ng/mL | 20 | |
| Synonym(s): Cocaine/Ethanol By-Product | | | | |
| Benzoylecgonine | 500 | ng/mL | 50 | |
| Synonym(s): Cocaine Degradation Product | | | | |
| **50016FL Opiates - Free (Unconjugated) Confirmation, Fluid** | | | | |
| Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | | | | |
| Dihydrocodeine / Hydrocodol - Free | 50 | ng/mL | 5.0 | |
| Codeine - Free | 50 | ng/mL | 5.0 | |
| Morphine - Free | 50 | ng/mL | 5.0 | |
| Hydrocodone - Free | 50 | ng/mL | 5.0 | |
| Synonym(s): Zohydro®; Vicodin® | | | | |
| 6-Monoacetylmorphine - Free | 50 | ng/mL | 1.0 | |
| Synonym(s): 6-MAM; Heroin Metabolite | | | | |
| Hydromorphone - Free | 50 | ng/mL | 1.0 | |
| Synonym(s): Hydrocodone Metabolite; Dilaudid® | | | | |
| Oxycodone - Free | 50 | ng/mL | 5.0 | |
| Synonym(s): Roxicodone®; OxyContin® | | | | |
| Oxymorphone - Free | 50 | ng/mL | 1.0 | |
| Synonym(s): Numorphan®; Oxycodone Metabolite; Opana® | | | | |
| **52076FL Methocarbamol and Guaifenesin Confirmation, Fluid** | | | | |

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**Sample ID** 19001470-001
**Matrix** Fluid
**Patient Name** 8052FL-POS
**Patient ID** 8052FL-POS

**Collect Dt/Tm** Not Given
**Source** Not Given

| Analysis and Comments | Result | Units | Reporting Limit | Notes |
|---|---|---|---|---|
| Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | | | | |
| Methocarbamol | 50 | mcg/mL | 2.0 | |
| Synonym(s): Robaxin® | | | | |
| No reference data available. | | | | |
| Guaifenesin | 50 | mcg/mL | 0.20 | |
| Synonym(s): Glyceryl Guaiacolate | | | | |
| No reference data available. | | | | |
| **52127FL Topiramate Confirmation, Fluid** | | | | |
| Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | | | | |
| Topiramate | 2000 | ng/mL | 200 | |
| Synonym(s): Topamax® | | | | |
| No reference data available. | | | | |
| **52167FL Buprenorphine and Metabolite - Free (Unconjugated) Confirmation, Fluid** | | | | |
| Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) | | | | |
| Buprenorphine - Free | 50 | ng/mL | 0.50 | |
| Synonym(s): Buprenex® | | | | |
| Norbuprenorphine - Free | 50 | ng/mL | 0.50 | |
| Synonym(s): Buprenorphine Metabolite | | | | |
| No reference data available. | | | | |
| **52250FL Alcohols and Acetone Confirmation, Fluid** | | | | |
| Analysis by Headspace Gas Chromatography (GC) | | | | |
| Ethanol | Confirmed | mg/dL | 10 | |
| Synonym(s): Ethyl Alcohol | | | | |

Results for sample 19001470-001 are continued on next page

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**Sample ID** 19001470-001
**Matrix** Fluid
**Patient Name** 8052FL-POS
**Patient ID** 8052FL-POS

**Collect Dt/Tm** Not Given
**Source** Not Given

| Analysis and Comments | Result | Units | Reporting Limit | Notes |
|---|---|---|---|---|
| Methanol | Confirmed | mg/dL | 5.0 | |
| Synonym(s): Methyl Alcohol | | | | |
| Isopropanol | Confirmed | mg/dL | 5.0 | |
| Synonym(s): Isopropyl Alcohol | | | | |
| Acetone | Confirmed | mg/dL | 5.0 | |