



NMS Labs

CONFIDENTIAL

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

Demo Report

Report Issued 04/01/2019 09:01
Last Report Issued 04/01/2019 09:01

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

Patient Name 6303B
Patient ID 6303B
Chain 19000161
Age Not Given DOB Not Given
Gender Not Given
Workorder 19000161
Received 01/17/2019 09:07

Disclaimer: Specimens for elemental testing should be collected in certified metal-free containers. Elevated results for elemental testing may be caused by environmental contamination at the time of specimen collection and should be interpreted accordingly. It is recommended that unexpected elevated results be verified by testing another specimen.

Sample ID 19000161-001
Matrix Blood
Patient Name 6303B
Patient ID 6303B
Container Type Clear vial
Collect Dt/Tm Not Given
Source Not Given
Approx Vol/Weight Not Given

Receipt Notes Not light protected as required

Table with 5 columns: Analysis and Comments, Result, Units, Reporting Limit, Notes

6303B Firefighter Core Baseline Profile, Blood

Sample Receipt condition inappropriate for test code: [Not light protected as required]

Analysis by Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)

Lead None Detected mcg/dL 0.50

The U.S. Centers for Disease Control and Prevention (CDC) reference value based on the 97.5th percentile of the blood lead level distribution in U.S. children aged 1-5 years is 5 mcg/dL.

The U.S. Centers for Disease Control and Prevention (CDC) blood lead reference level for adults is less than 5 mcg/dL.

Results for sample 19000161-001 are continued on next page



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Sample ID 19000161-001
Matrix Blood
Patient Name 6303B
Patient ID 6303B

Collect Dt/Tm Not Given
Source Not Given

Table with 5 columns: Analysis and Comments, Result, Units, Reporting Limit, Notes. Contains data for ZPP, Benzene, Ethylbenzene, Styrene, and Toluene.

Results for sample 19000161-001 are continued on next page



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**Sample ID** 19000161-001  
**Matrix** Blood  
**Patient Name** 6303B  
**Patient ID** 6303B

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

Analysis and Comments	Result	Units	Reporting Limit	Notes
<p>Following exposure to 100 ppm Toluene in air for 2 hours: approximately 0.9 mcg/mL. Occupational exposure limit: 1.0 mcg Toluene/mL blood in an end of shift venous blood specimen.</p>				
<p>Xylenes (o,m,p)</p> <p>Following daily exposure to 100 ppm total Xylenes: Approximately 1 mcg/mL.</p>	None Detected	mcg/mL	0.30	
n-Heptane	None Detected	mcg/mL	2.0	
n-Hexane	None Detected	mcg/mL	2.0	
Methylpentanes (2- and 3- Isomers)	None Detected	mcg/mL	2.0	
Pentane	None Detected	mcg/mL	2.0	
n-Butanol	None Detected	mcg/mL	2.0	
Synonym(s): Butyl Alcohol				
<p>Ethanol</p> <p>Synonym(s): Ethyl Alcohol; Metabolite of Ethyl Acetate</p> <p>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 as well as a metabolite of ethyl acetate.</p>	None Detected	mg/dL	5.0	
<p>Isopropanol</p> <p>Synonym(s): Isopropyl Alcohol</p> <p>Three workers exposed to 191 - 200 ppm isopropanol in air had blood isopropanol concentrations &lt;1 mg/dL; acetone levels were 4 - 16 mg/dL during the exposure. After a sponge bath with isopropanol, one adult had a blood isopropanol concentration of 10 mg/dL.</p>	None Detected	mg/dL	1.0	
n-Propanol	None Detected	mg/dL	2.0	
Synonym(s): n-Propyl Alcohol				
<p>Methanol</p> <p>Synonym(s): Methyl Alcohol</p>	None Detected	mg/dL	5.0	

Results for sample 19000161-001 are continued on next page



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**Sample ID** 19000161-001  
**Matrix** Blood  
**Patient Name** 6303B  
**Patient ID** 6303B

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

Analysis and Comments	Result	Units	Reporting Limit	Notes
Endogenous blood levels of methanol from metabolic and dietary sources are approximately 0.15 mg/dL.				
Exposure to 800 ppm methanol for 8 hours produced a maximum average blood methanol concentration of 3.1 mg/dL.				
Acetaldehyde Normal: Up to 0.02 mg/dL.	None Detected	mg/dL	0.50	
Acetaldehyde is an unstable compound post-collection. It will both form and degrade under certain conditions. Although extreme precautions have been demonstrated to maintain the integrity of Acetaldehyde, the results will be affected under typical collection and laboratory procedures.				
Acetone Normal: Up to 3 mg/dL. Blood Acetone concentrations are markedly elevated during diabetic or fasting ketoacidosis and may range from 10 - 70 mg/dL.	None Detected	mg/dL	0.50	
Methyl Ethyl Ketone Synonym(s): MEK	None Detected	mcg/mL	0.30	
Methyl Isobutyl Ketone Synonym(s): MIBK	None Detected	mcg/mL	0.50	
Methyl n-Butyl Ketone	None Detected	mcg/mL	0.50	
Diethyl Ether Synonym(s): Ether; Ethyl Ether	None Detected	mcg/mL	1.0	
Methyl Tertiary Butyl Ether Synonym(s): MTBE	None Detected	mcg/mL	1.0	
Note: Any positive findings in this panel are reported as quantitative estimates. Confirmation and a more accurate and precise quantitation are available upon request.				