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

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Demo Report

Report Issued 03/30/2020 12:24
Last Report Issued 11/01/2019 05:26

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

Patient Name 2321B
Patient ID 2321B
Chain 19001897
Age Not Given **DOB** Not Given
Gender Not Given
Workorder 19001897

Received 10/31/2019 14:06

Sample ID 19001897-001
Matrix Blood
Patient Name 2321B
Patient ID 2321B
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
2321B Hydrocarbon and Oxygenated Volatiles Panel, Blood				
Analysis by Headspace Gas Chromatography (GC)				
Benzene	None Detected	mcg/mL	0.050	
Following exposure to 25 ppm in air for 2 hours: Approximately 0.2 mcg/mL.				
Ethylbenzene	None Detected	mcg/mL	0.10	
Ethylbenzene is used as a commercial solvent, fuel additive and chemical intermediate in the production of styrene. In the U.S. population, blood concentrations in non-occupationally exposed individuals are generally less than 0.001 mcg/mL.				
Exposure to this compound generally occurs through the pulmonary route. At air concentrations of 1000 ppm, the compound causes irritation to the eyes and nose. Higher concentrations may result in dizziness and central nervous system depression.				
Styrene	None Detected	mcg/mL	0.10	
Synonym(s): Vinylbenzene				
Toluene	None Detected	mcg/mL	0.30	

Results for sample 19001897-001 are continued on next page

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Sample ID 19001897-001
Matrix Blood
Patient Name 2321B
Patient ID 2321B

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Biological Exposure Index (ACGIH): 0.02 mcg Toluene/mL blood measured in a prior to last shift of workweek specimen.				
o-Xylene	None Detected	mcg/mL	0.30	
p-Xylene	None Detected	mcg/mL	0.30	
m-Xylene	None Detected	mcg/mL	0.30	
Xylenes (o,m,p) – Total	None Detected	mcg/mL		
Following daily exposure to 100 ppm Xylenes: Approximately 1 mcg (Total Xylenes)/mL.				
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				
Ethanol	None Detected	mg/dL	5.0	
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 as well as a metabolite of ethyl acetate.				
Isopropanol	None Detected	mg/dL	1.0	
Synonym(s): Isopropyl Alcohol				
Three workers exposed to 191 - 200 ppm isopropanol in air had blood isopropanol concentrations <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.				
n-Propanol	None Detected	mg/dL	2.0	
Synonym(s): n-Propyl Alcohol				
Methanol	None Detected	mg/dL	5.0	
Synonym(s): Methyl Alcohol				

Results for sample 19001897-001 are continued on next page

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Patient Name 2321B
Patient ID 2321B

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	None Detected	mg/dL	0.50	
Normal: Up to 0.02 mg/dL. 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	None Detected	mg/dL	0.50	
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.				
Methyl Ethyl Ketone	None Detected	mcg/mL	0.30	
Synonym(s): MEK				
Methyl Isobutyl Ketone	None Detected	mcg/mL	0.50	
Synonym(s): MIBK				
Methyl n-Butyl Ketone	None Detected	mcg/mL	0.50	
Diethyl Ether	None Detected	mcg/mL	1.0	
Synonym(s): Ether; Ethyl Ether				
Methyl Tertiary Butyl Ether	None Detected	mcg/mL	1.0	
Synonym(s): MTBE				
Note: Any positive findings in this panel are reported as quantitative estimates. Confirmation and a more accurate and precise quantitation are available upon request.				
Sec-Butanol	None Detected	mcg/mL	2.0	
Tert-Butanol	None Detected	mcg/mL	2.0	
Synonym(s): Tert-Butyl Alcohol				
Iso-Amyl Alcohol	None Detected	mcg/mL	2.0	

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Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Synonym(s): Amyl Nitrite Metabolite				
Isobutanol	None Detected	mcg/mL	2.0	
Synonym(s): Iso-Butyl Nitrite Metabolite; Isobutyl Alcohol				
Tetrahydrofuran	None Detected	mcg/mL	0.50	

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.