



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1978 46 Y

Referral Testing

Collected: 07/08/2024 10:30 Received: 07/08/2024 10:30

Test Name	Result	Flag	Ref-Ranges	Units	Site
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Aromatic Solvents Exposure Panel, Blood

Benzene	None Detected			ng/mL	NMRL
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Reporting Limit: 50 ng/mL
 General U.S. population from CDC-NHANES (2017-2018) (n=2840) is typically less than 0.263 ng/mL (95% CI, 0.207-0.319 ng/mL) (95th percentile).
 According to CDC-NHANES (2015-2016) blood benzene concentrations are generally less than 0.642 ng/mL (95th percentile) in smokers and less than 0.250 ng/mL in non-smokers.
 Following exposure to 25 ppm in air for 2 hours, the blood benzene concentration is approximately 200 ng/mL.
 Analysis by Headspace Gas Chromatography (GC)

Toluene	None Detected			mcg/mL	NMRL
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Reporting Limit: 0.30 mcg/mL
 Biological Exposure Index (ACGIH): 0.02 mcg Toluene/mL blood measured in a prior to last shift of workweek specimen.
 Analysis by Headspace Gas Chromatography (GC)

o-Xylene	None Detected			mcg/mL	NMRL
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Reporting Limit: 0.30 mcg/mL
 Analysis by Headspace Gas Chromatography (GC)

p-Xylene	None Detected			mcg/mL	NMRL
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Reporting Limit: 0.30 mcg/mL
 Analysis by Headspace Gas Chromatography (GC)

m-Xylene	None Detected			mcg/mL	NMRL
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Reporting Limit: 0.30 mcg/mL
 Analysis by Headspace Gas Chromatography (GC)

Xylenes (o,m,p) - Total	None Detected			mcg/mL	NMRL
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Following daily exposure to 100 ppm Xylenes:
 Approximately 1 mcg (Total Xylenes)/mL.
 Analysis by Headspace Gas Chromatography (GC)

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

G308000092
WX0000003827
Printed D&T: 07/08/24 10:33

Ordered By: KAJAL SITWALA, MD, PHD
WX00000000002365

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
PAGE 1 OF 2



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<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	<u>Ref-Ranges</u>	<u>Units</u>	<u>Site</u>
Ethylbenzene	None Detected			mcg/mL	NMRL

Reporting Limit: 0.10 mcg/mL
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 analyte generally occurs through the pulmonary route. At air concentrations of 1000 ppm, the analyte causes irritation to the eyes and nose. Higher concentrations may result in dizziness and central nervous system depression.
Analysis by Headspace Gas Chromatography (GC)

Styrene	None Detected			mcg/mL	NMRL
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Reporting Limit: 0.10 mcg/mL
Biological Exposure Index (ACGIH): 0.2 mcg/mL in blood specimen collected in an end of shift specimen.
Analysis by Headspace Gas Chromatography (GC)
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.
Digital data review may have taken place remotely by qualified NMS staff utilizing a secure VPN connection for some or all of the reported results. This is in accordance with and follows CLIA regulations.

Testing performed at NMS Labs, Inc.
200 Welsh Road
Horsham, PA 19044-2208
CLIA 39D0197898

Reported Date: 07/08/2024 10:33 AROME

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Kajal V. Sitwala, MD, PhD - Medical Director
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