



LABORATORY REPORT

QC ACCOUNT (WARDE)
300 W. TEXTILE
ANN ARBOR MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1968 56 Y

Referral Testing

Collected: 03/11/2025 08:29

Received: 03/11/2025 08:29

Test Name	Result	Flag	Ref-Ranges	Units	Site
-----------	--------	------	------------	-------	------

Comprehensive Volatiles Panel, Blood

Volatiles	None Detected				NMRL
-----------	---------------	--	--	--	------

Comment:

Volatiles:

Acetaldehyde, Acetone, Acetonitrile, Acrylonitrile, Benzene, Butane, n-Butanol, sec-Butanol, tert-Butanol, iso-Butanol, n-Butyl Acetate, Carbon Tetrachloride, Chloroform, Cumene, Cyclohexane, 1,1-Dichloroethane, 1,2-Dichloroethane, trans-1,2-Dichloroethylene, Enflurane, Ethanol, Ethyl Benzene, Ethyl Ether, Ethyl t-Butyl Ether, Freon 11, Freon 12, Freon 113, Halothane, n-Heptane, n-Hexane, Isoamyl Alcohol, Isoflurane, Isopropanol, Isovaleraldehyde, Methanol, Methoxyflurane, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Methyl t-Butyl Ether, Methylene Chloride, Methylpentanes, n-Nonane, n-Octane, Paraldehyde, n-Pentane, Propane, Propanol, Styrene, Tetrachloroethane, Perchloroethylene (Tetrachloroethylene), Tetrahydrofuran, Toluene, 1,1,1-Trichloroethane, Trichloroethylene, Xylenes

Reporting limit range: 0.05-50 mcg/mL.

Analysis by Headspace Gas Chromatography (GC)

Ethane	None Detected		ppm (v/v)	NMRL
--------	---------------	--	-----------	------

Reporting Limit: 2.0 ppm (v/v)

Analysis by Gas Chromatography (GC)

Propane	None Detected		ppm (v/v)	NMRL
---------	---------------	--	-----------	------

Reporting Limit: 2.0 ppm (v/v)

Analysis by Gas Chromatography (GC)

Isobutane	None Detected		ppm (v/v)	NMRL
-----------	---------------	--	-----------	------

Reporting Limit: 2.0 ppm (v/v)

Analysis by Gas Chromatography (GC)

n-Butane	None Detected		ppm (v/v)	NMRL
----------	---------------	--	-----------	------

Reporting Limit: 2.0 ppm (v/v)

Analysis by Gas Chromatography (GC)

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

H111000008
WX0000003827

Printed D&T: 03/11/25 08:40

Ordered By: KAJAL SITWALA, MD, PHD
WX00000000002516

Kajal V. Sitwala, MD, PhD - Medical Director

Form: MM RL1

PAGE 1 OF 5



LABORATORY REPORT

QC ACCOUNT (WARDE)
300 W. TEXTILE
ANN ARBOR MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1968 56 Y

Referral Testing

Collected: 03/11/2025 08:29

Received: 03/11/2025 08:29

<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	<u>Ref-Ranges</u>	<u>Units</u>	<u>Site</u>
Isoflurane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.050 mcg/mL Synonym(s): Forane(R) Average steady-state blood levels following inhalation for 1 hour at end-tidal air concentrations of 0.3, 0.6 or 1.15% were 20, 40 and 77 mcg/mL, respectively. Analysis by Gas Chromatography (GC)					
Enflurane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.10 mcg/mL Synonym(s): Ethrane Average peak venous blood concentrations after 30 minutes of anesthesia: 95 mcg/mL. Analysis by Gas Chromatography (GC)					
Dichloromethane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.50 mcg/mL Synonym(s): Methylene Chloride Exposure to 200 ppm (TLV) in air for two hours produced up to 2.0 mcg/mL blood. Analysis by Gas Chromatography (GC)					
Trichlorotrifluoroethane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.050 mcg/mL Synonym(s): Freon 113 Analysis by Gas Chromatography (GC)					
Halothane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.10 mcg/mL Synonym(s): Fluothane Surgical anesthetic levels: 80-260 mcg/mL blood. Analysis by Gas Chromatography (GC)					
1,1-Dichloroethane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.50 mcg/mL Analysis by Gas Chromatography (GC)					
Chloroform	None Detected			mcg/mL	NMRL

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

H111000008
WX0000003827
Printed D&T: 03/11/25 08:40

Ordered By: KAJAL SITWALA, MD, PHD
WX00000000002516

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
PAGE 2 OF 5



LABORATORY REPORT

QC ACCOUNT (WARDE)
300 W. TEXTILE
ANN ARBOR MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1968 56 Y

Referral Testing

Collected: 03/11/2025 08:29

Received: 03/11/2025 08:29

Test Name	Result	Flag	Ref-Ranges	Units	Site
Reporting Limit: 0.050 mcg/mL Synonym(s): Trichloromethane Toxic: Greater than 70 mcg/mL. Analysis by Gas Chromatography (GC)					
1,2-Dichloroethane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.50 mcg/mL Analysis by Gas Chromatography (GC)					
1,1,1-Trichloroethane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.050 mcg/mL Synonym(s): Methyl Chloroform Exposure to 250 ppm in air for 30 minutes produced an average of 1.4 mcg/mL blood. Analysis by Gas Chromatography (GC)					
Carbon Tetrachloride	None Detected			mcg/mL	NMRL
Reporting Limit: 0.050 mcg/mL Synonym(s): Tetrachloromethane Analysis by Gas Chromatography (GC)					
Trichloroethylene	None Detected			mcg/mL	NMRL
Reporting Limit: 0.050 mcg/mL Synonym(s): Trichloroethene Exposure to 100 ppm in air for three hours produced an average of 1.4 mcg/mL blood. Analysis by Gas Chromatography (GC)					
Methoxyflurane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.050 mcg/mL Analysis by Gas Chromatography (GC)					
Tetrachloroethylene	None Detected			mcg/mL	NMRL
Reporting Limit: 0.010 mcg/mL Synonym(s): Perchloroethylene Biological Exposure Index (ACGIH): Following workplace exposure to Tetrachloroethylene: 0.5 mcg/mL in a blood specimen collected prior to shift after at least two					

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

H111000008
WX0000003827
Printed D&T: 03/11/25 08:40

Ordered By: KAJAL SITWALA, MD, PHD
WX00000000002516

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
PAGE 3 OF 5



LABORATORY REPORT

QC ACCOUNT (WARDE)
300 W. TEXTILE
ANN ARBOR MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1968 56 Y

Referral Testing

Collected: 03/11/2025 08:29

Received: 03/11/2025 08:29

Test Name	Result	Flag	Ref-Ranges	Units	Site
consecutive workdays with exposure. Analysis by Gas Chromatography (GC)					
1,1,2,2-Tetrachloroethane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.050 mcg/mL Analysis by Gas Chromatography (GC)					
1,1-Difluoroethane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.14 mcg/mL Synonym(s): Freon 152a 1,1-Difluoroethane (DFE) is a colorless and essentially odorless gas that is used as a non-ozone depleting propellant found in many consumer products, electronic cleaners, and as a refrigerant and chemical intermediate. DFE inhalation can cause euphoria, disorientation and altered mental state. Due to its volatility and rapid elimination of this compound, the measured concentration may be lower than the concentration present at the time of specimen collection. Analysis by Gas Chromatography/Mass Spectrometry (GC/MS)					
1,1,1,2-Tetrafluoroethane	None Detected			mcg/mL	NMRL
Reporting Limit: 0.14 mcg/mL Synonym(s): norflurane; Dymel 134a; Genetron 134a; HFC-134a; tetrafluoroethane; Suva 134a; R134a Comment: Substance(s) known to interfere with the identity and/or quantity of the reported result: Chloromethane, Pentafluoroethane 1,1,1,2-tetrafluoroethane (TFE) is a colorless gas with a faint ether-like odor that is used as a non-ozone depleting propellant found in many commonly used consumer products and electronic cleaners and it is also used as a refrigerant. TFE belongs to a class of compounds that has been recognized as a substance of abuse that can lead to serious injury and death. Like other fluorinated hydrocarbons, inhalation of 1,1,1,2-TFE may result in a feeling of euphoria and loss of inhibition; however, in higher concentrations, abuse may lead to cardiac dysrhythmias and sudden death. Analysis by Gas Chromatography/Mass Spectrometry					

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

H111000008
WX0000003827
Printed D&T: 03/11/25 08:40

Ordered By: KAJAL SITWALA, MD, PHD
WX00000000002516

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
PAGE 4 OF 5



LABORATORY REPORT

QC ACCOUNT (WARDE)
300 W. TEXTILE
ANN ARBOR MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1968 56 Y

Referral Testing

Collected: 03/11/2025 08:29

Received: 03/11/2025 08:29

<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	<u>Ref-Ranges</u>	<u>Units</u>	<u>Site</u>
(GC/MS)					
Methane	None Detected			mcg/mL	NMRL

Reporting Limit: 0.98 mcg/mL
Analysis by Gas Chromatography/Mass Spectrometry
(GC/MS)
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: 03/11/2025 08:40 CVLPB

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

H111000008
WX0000003827
Printed D&T: 03/11/25 08:40

Ordered By: KAJAL SITWALA, MD, PHD
WX00000000002516

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
PAGE 5 OF 5