

Worklist: 6675

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-0403	1	BCK	Alcohol Analysis	
M2024-0404	1	BCK	Alcohol Analysis	
M2024-0406	1	BCK	Alcohol Analysis	
M2024-0407	1	BCK	Alcohol Analysis	
M2024-0408	1	BCK	Alcohol Analysis	
M2024-0432	1	BCK	Alcohol Analysis	
M2024-0433	2	BCK	Alcohol Analysis	
M2024-0441	1	BCK	Alcohol Analysis	
M2024-0464	1	BCK	Alcohol Analysis	
M2024-0476	1	BCK	Alcohol Analysis	
M2024-0477	1	BCK	Alcohol Analysis	
M2024-0478	1	BCK	Alcohol Analysis	
M2024-0483	1	BCK	BATS Proficiency Test	
M2024-0483	2	BCK	BATS Proficiency Test	
M2024-0483	3	BCK	BATS Proficiency Test	
M2024-0483	4	BCK	BATS Proficiency Test	
M2024-0503	1	BCK	Alcohol Analysis	
M2024-0509	1	BCK	Alcohol Analysis	
M2024-0510	1	BCK	Alcohol Analysis	



**Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles**

*Analytical Method(s): 1.0*

*Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11378*

**Volatiles Quality Assurance Controls**

**Run Date(s): 02/07/2024**

**Calibration Date: 02/07/2024**

**Worklist #: 6675**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0781 g/100cc	
					0.0836 g/100cc	
					g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2060 g/100cc	
					0.2042 g/100cc	
					g/100cc	
<b>Multi-Component mixture:</b>		<b>Exp:</b>	<b>Oct. 24</b>	<b>Lot #</b>	FN06041902	
<b>Curve Fit:</b>			<b>Column 1</b>	0.99980	<b>Column2</b>	0.99986

**Ethanol Calibration Reference Material**

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0525	0.0522	0.0003	0.0523
100	0.100	0.090 - 0.110	0.1003	0.1001	0.0002	0.1002
200	0.200	0.180 - 0.220	0.1959	0.1967	0.0008	0.1963
300	0.300	0.270 - 0.330	0.2997	0.2995	0.0002	0.2996
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5014	0.5013	1E-04	0.5013

**Aqueous Controls**

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

**REVIEWED**

*By Rachel Cutler at 12:21 pm, Feb 12, 2024*

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

**Internal Standard Monitoring Worksheet**

Worklist #: 6675 Run Date(s): 02/07/2024

Internal Standard Solution: Prep Date: 12/5/2024 Exp Date: 6/5/2024

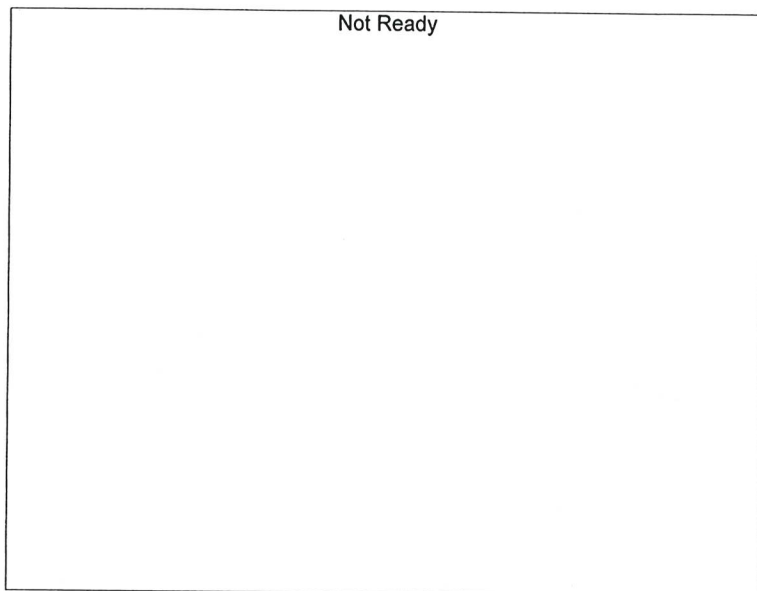
Sample Name	Column 1 Value	Column 2 Value
0.080	176022	189756
0.080	171708	185288
QC1	175729	189432
QC1	177724	191678
QC1	211569	229586
QC1	202920	220131
QC1		
QC1		
QC2	203718	220844
QC2	202088	218958
QC2	208677	226211
QC2	222884	241588
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	195303.9	156243.1	234364.7
Column 2	211347.2	169077.8	253616.6

# Calibration Table

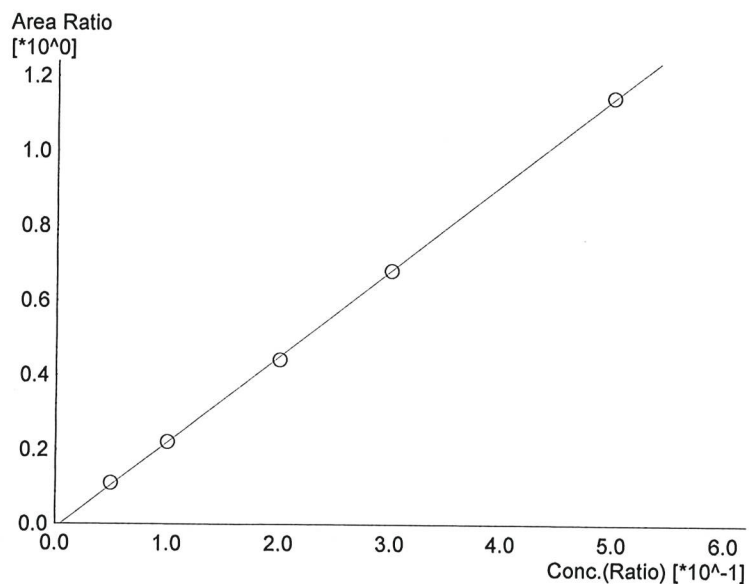
Laboratory : MERIDIAN  
 Instrument Name : GC-BAC  
 Instrument Serial # : C12595800409 / C12255750548

<<Data File>>  
 Method File :Default Project - ALCOHOL\_240207GG.gcm  
 Batch File :Default Project - CALCURVE\_240207GG.gcb  
 Date Acquired :2/7/2024 11:31:15 AM  
 Date Created :2/7/2024 11:26:54 AM  
 Date Modified :2/7/2024 11:48:28 AM



Name : Methanol  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

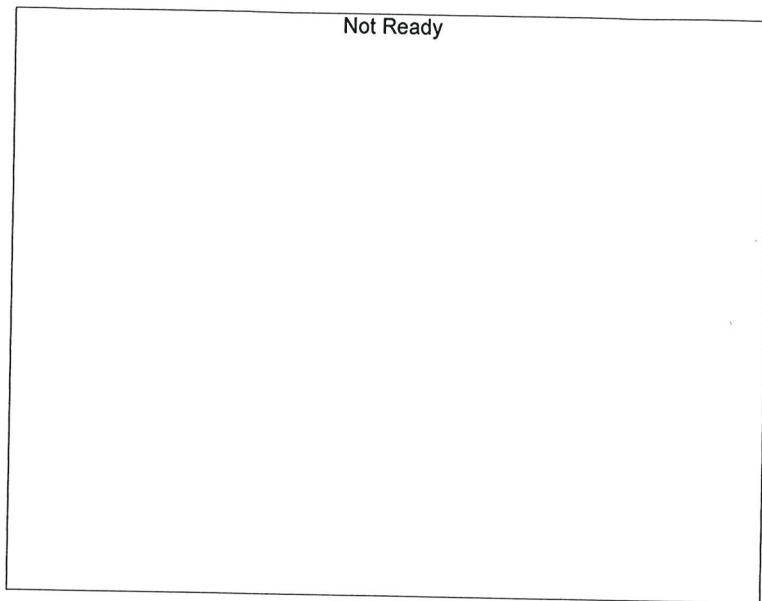
#	Conc.	Area	Std. Conc.
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Name : Ethanol  
 Detector Name: FID1  
 Function :  $f(x)=2.30883*x-0.0108408$   
 R<sup>2</sup> value= 0.9998006  
 FitType: Linear  
 ZeroThrough: Not Through

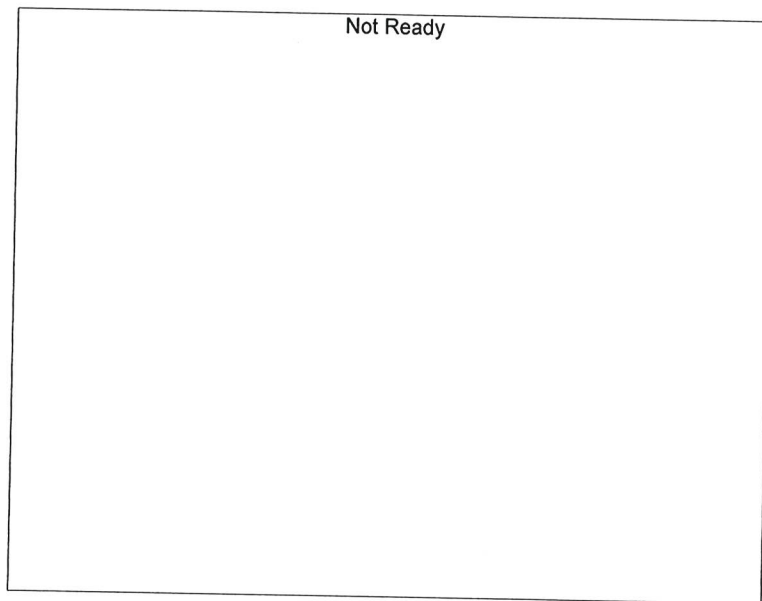
#	Conc.	Area	Std. Conc.
1	0.050	19559	0.0525
2	0.100	39064	0.1003
3	0.200	77239	0.1959
4	0.300	119928	0.2997
5	0.500	214694	0.5014

W



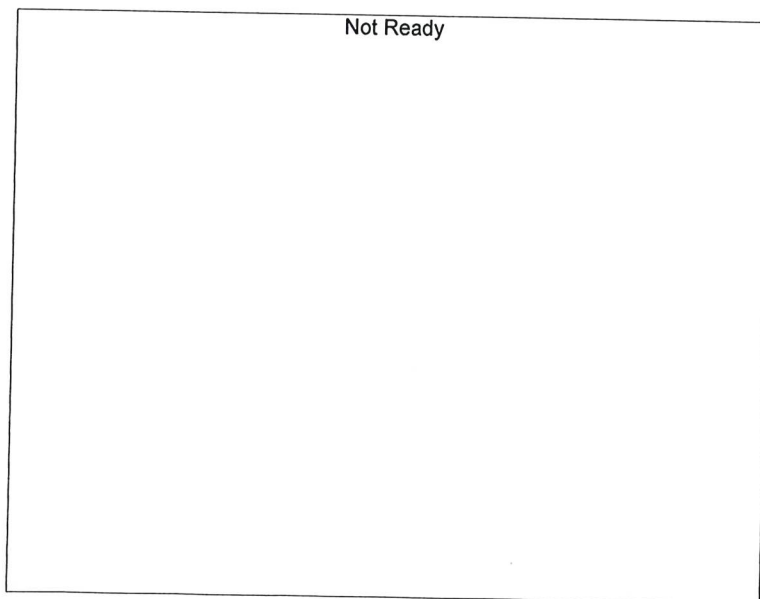
Name : Isopropyl Alcohol  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : Acetone  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

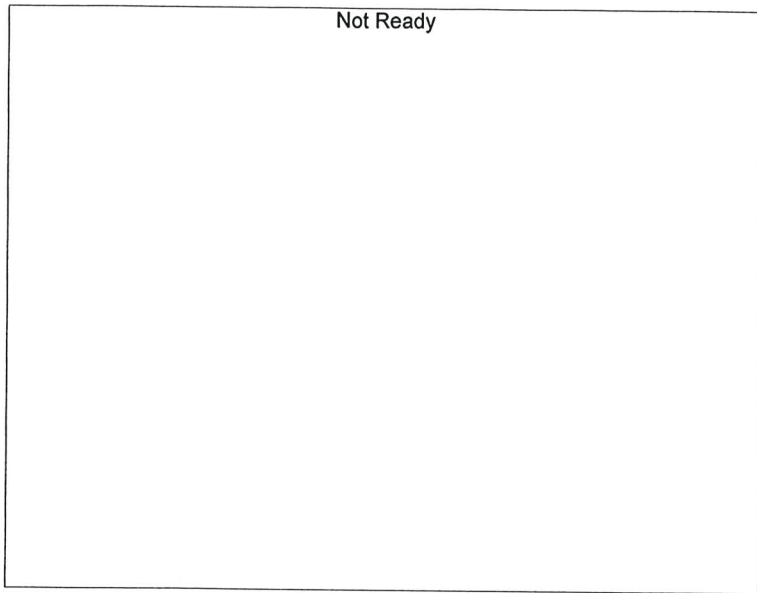
#	Conc.	Area	Std. Conc.
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Name : Fluor. Hydrocarbon(s)  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

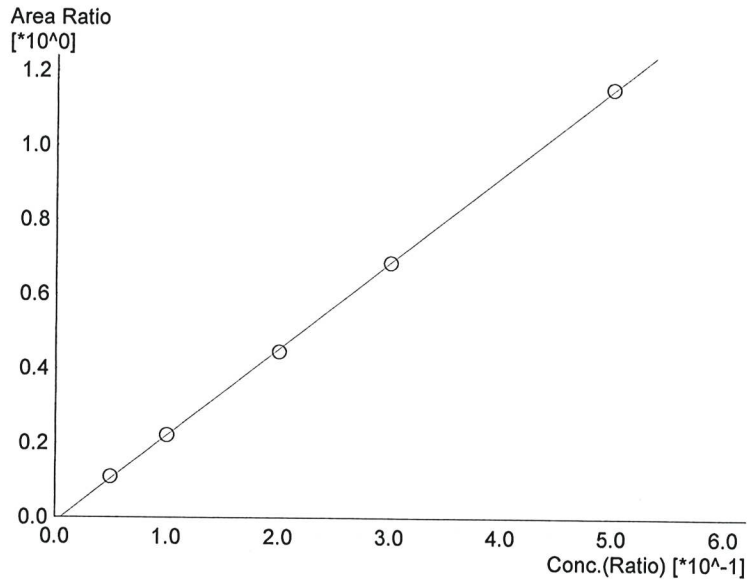
#	Conc.	Area	Std. Conc.
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W



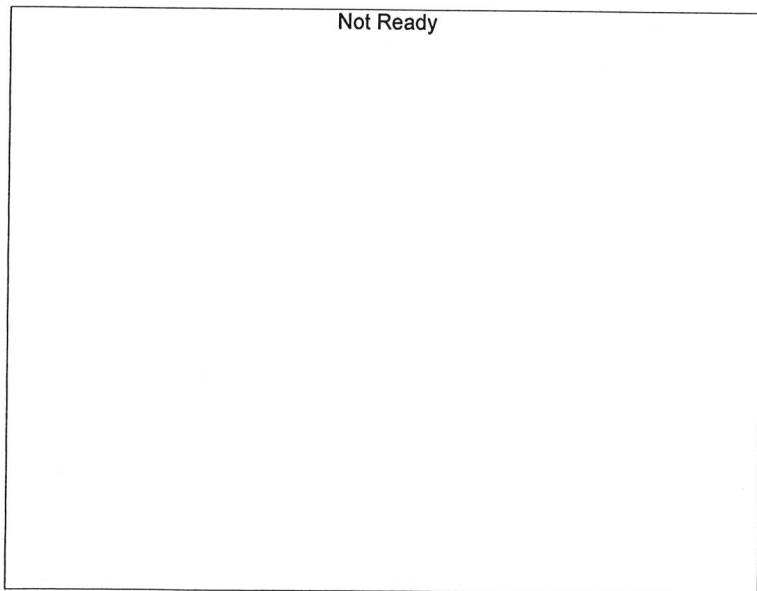
Name : Methanol  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : Ethanol  
 Detector Name: FID2  
 Function :  $f(x)=2.32658*x-0.0120808$   
 R<sup>2</sup> value= 0.9998608  
 FitType: Linear  
 ZeroThrough: Not Through

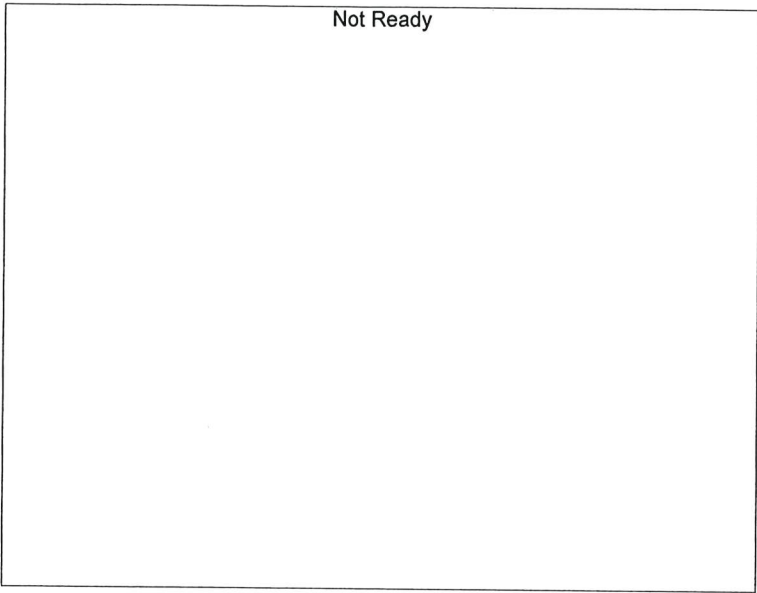
#	Conc.	Area	Std. Conc.
1	0.050	20884	0.0522
2	0.100	42200	0.1001
3	0.200	84069	0.1967
4	0.300	130134	0.2995
5	0.500	233441	0.5013



Name : Acetone  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

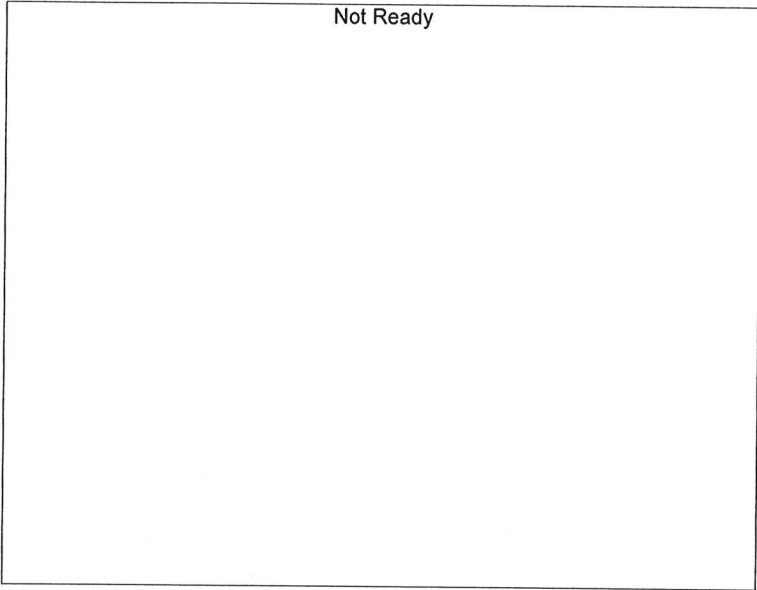
#	Conc.	Area	Std. Conc.
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W



Name : Isopropyl Alcohol  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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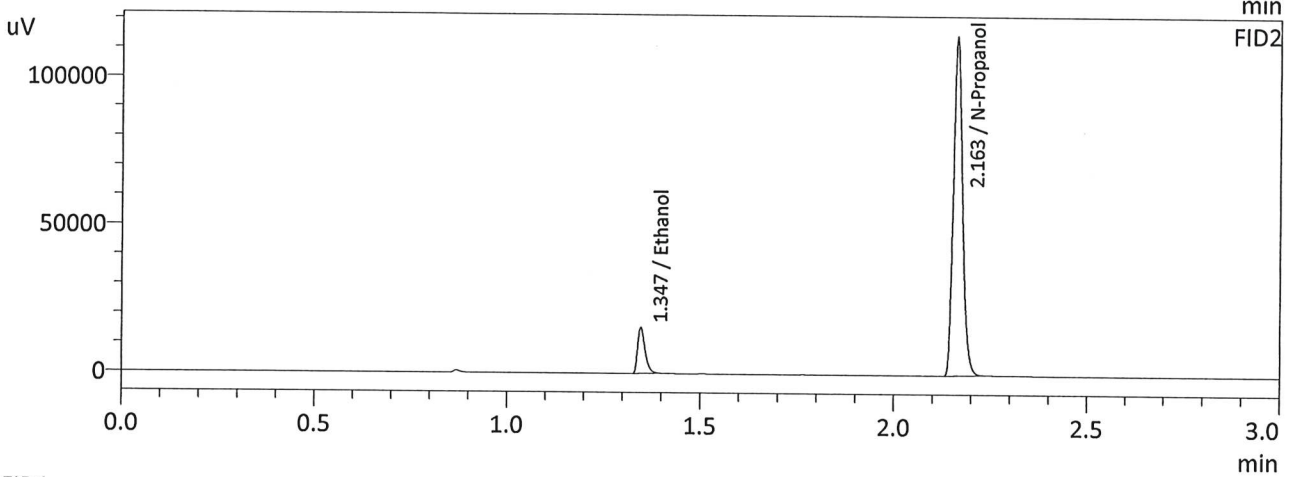
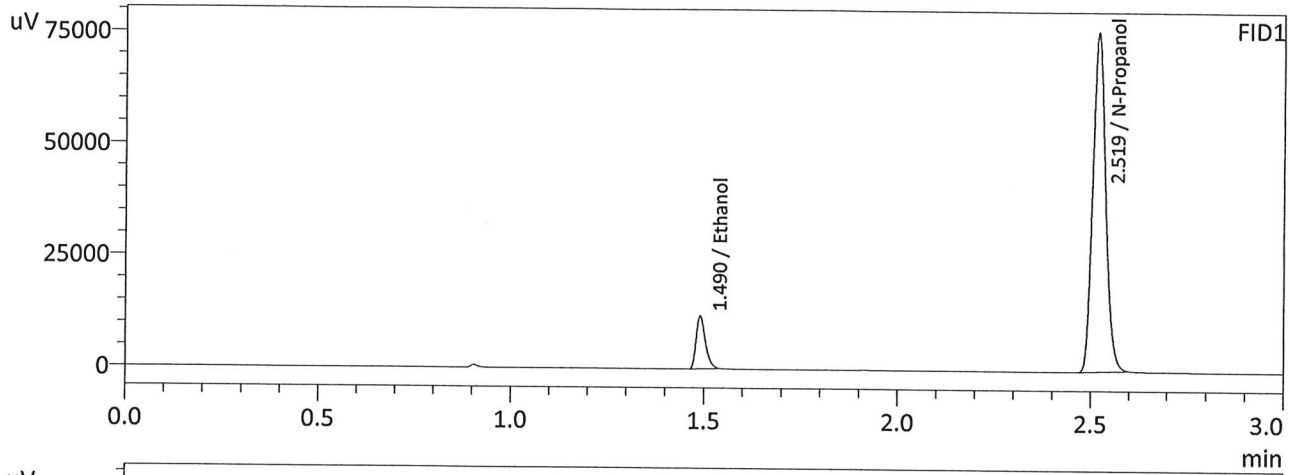


Name : Flour. Hydrocarbon(s)  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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W

Sample Name : 0.050  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 11:00:15 AM  
 Vial # : 1  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0525	19559	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177058	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

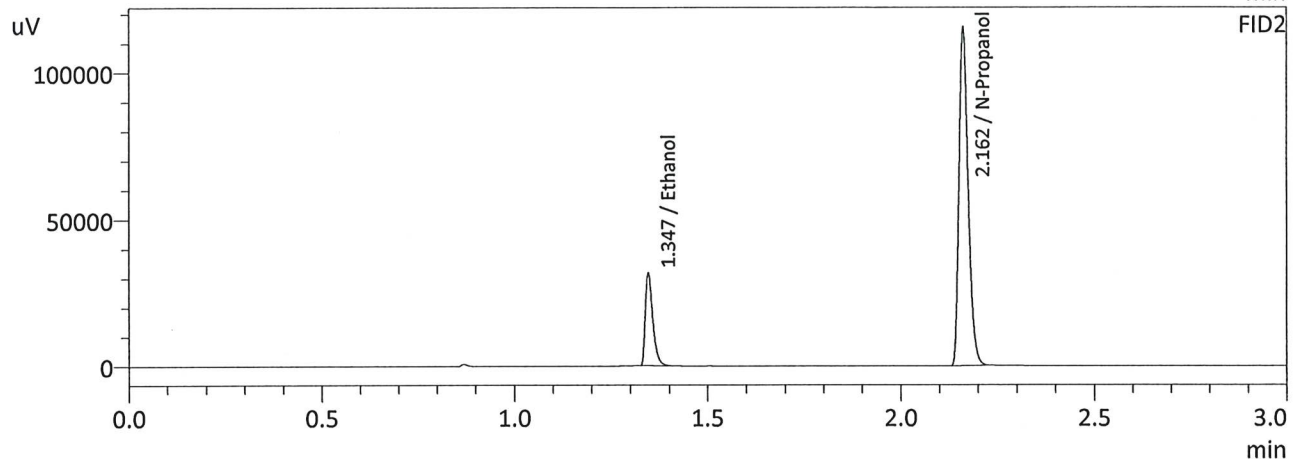
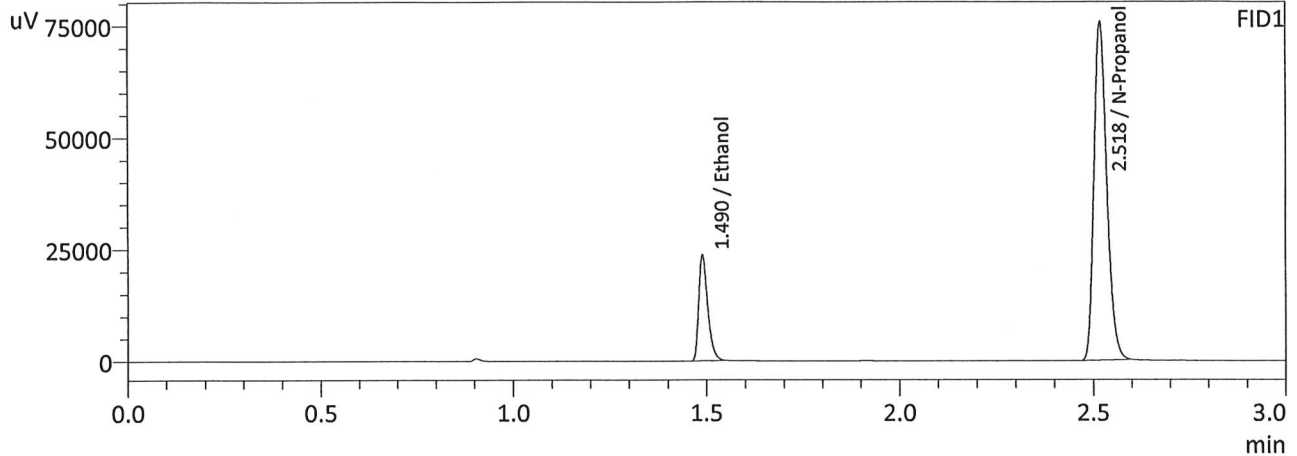
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0522	20884	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190801	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

*W*



Sample Name : 0.100  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 11:07:36 AM  
 Vial # : 2  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

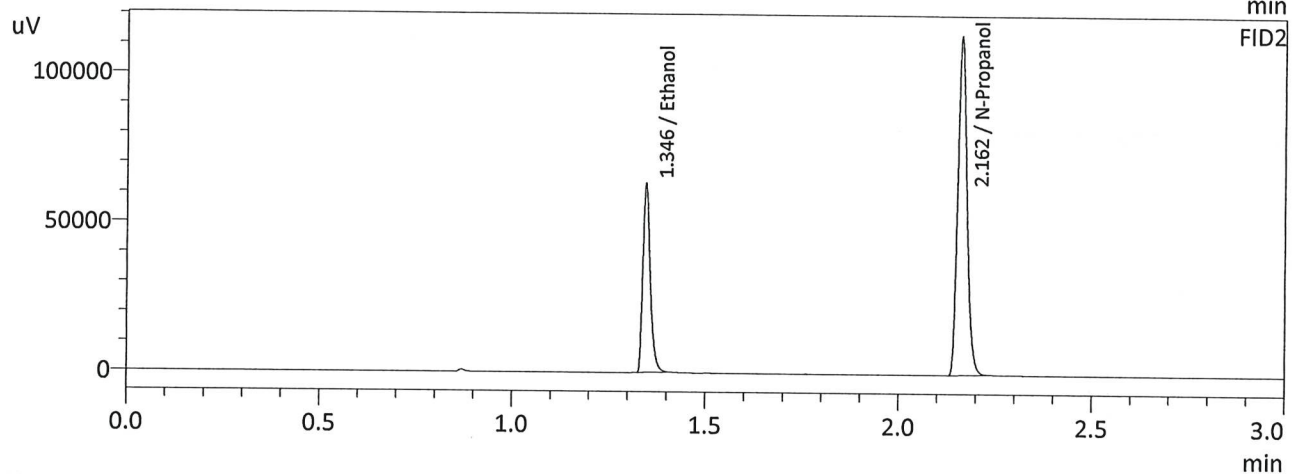
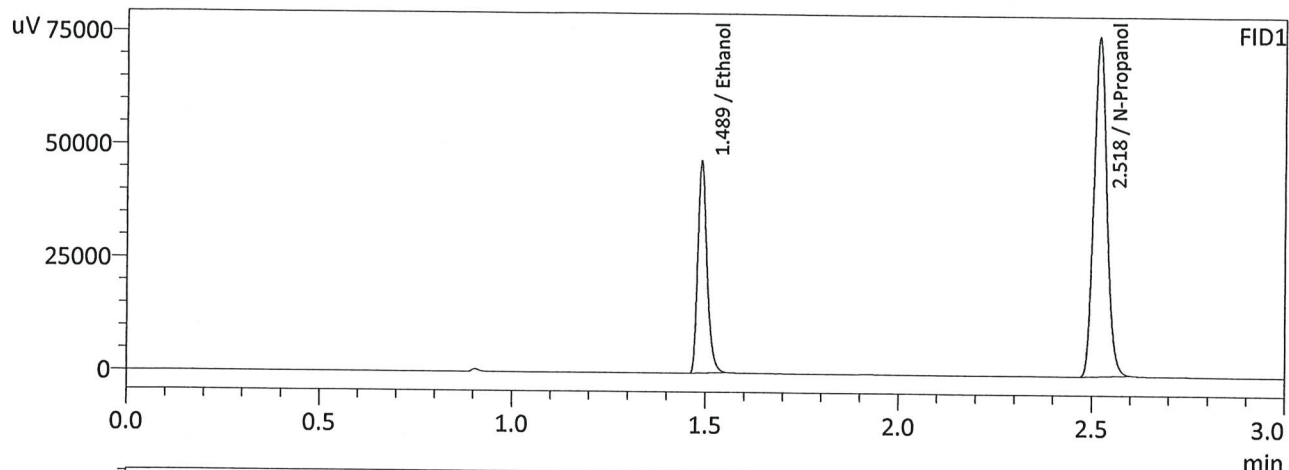
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1003	39064	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	176921	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1001	42200	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190962	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.200  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 11:14:55 AM  
 Vial # : 3  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

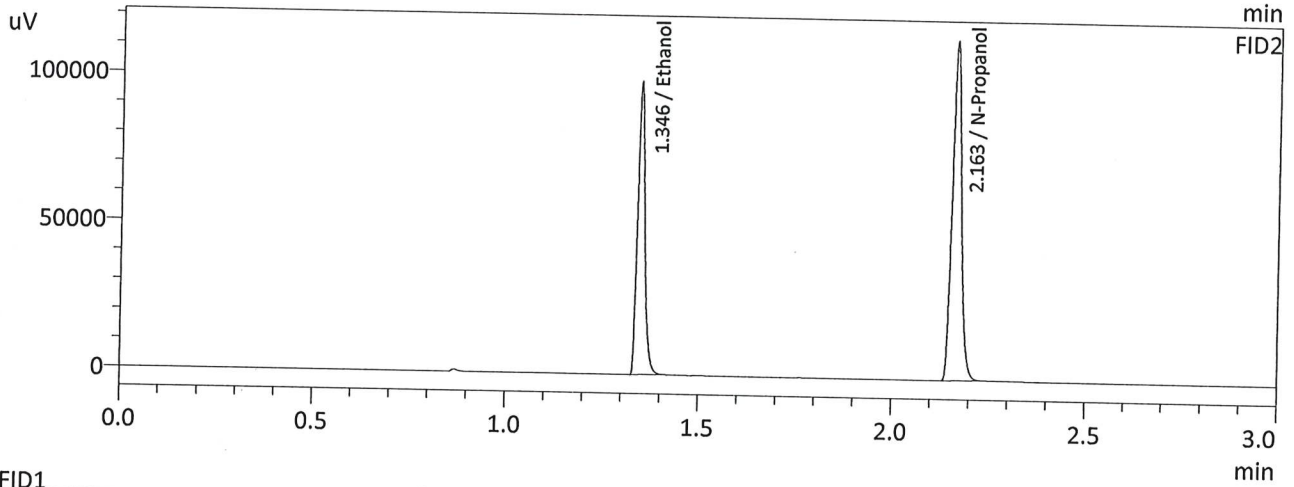
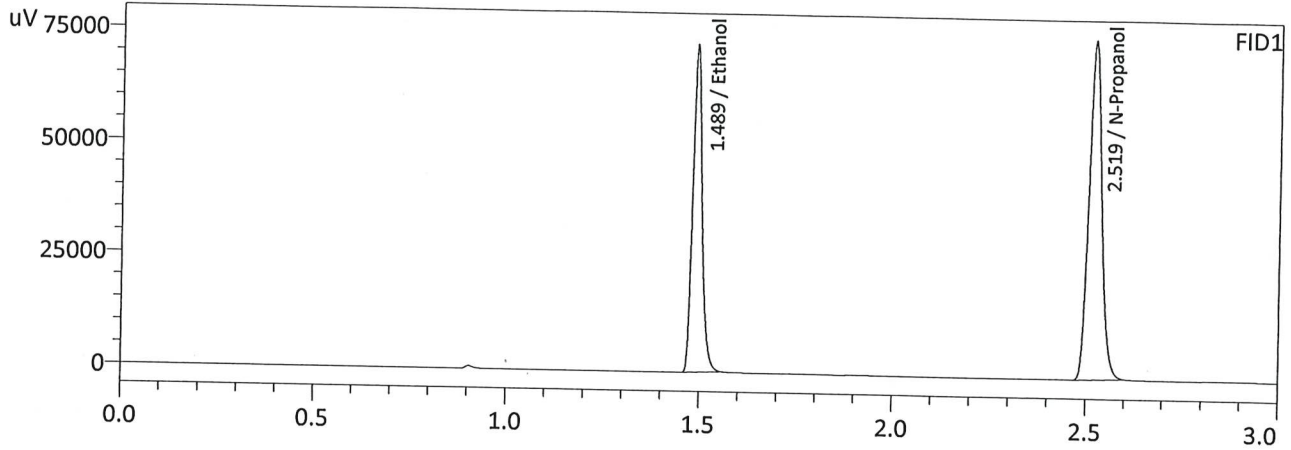
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1959	77239	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	174961	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1967	84069	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	188673	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.300  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 11:23:50 AM  
 Vial # : 4  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

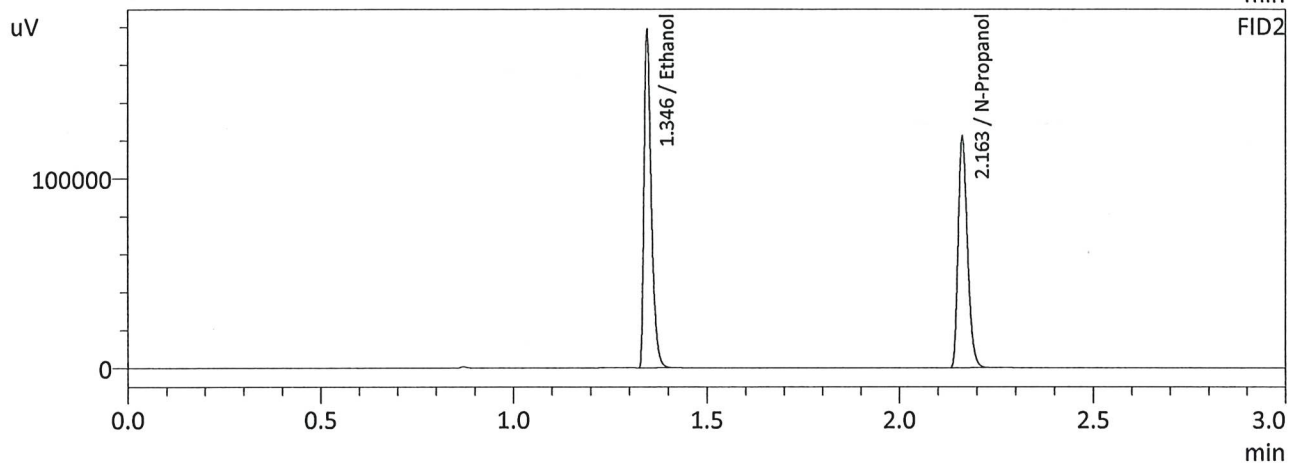
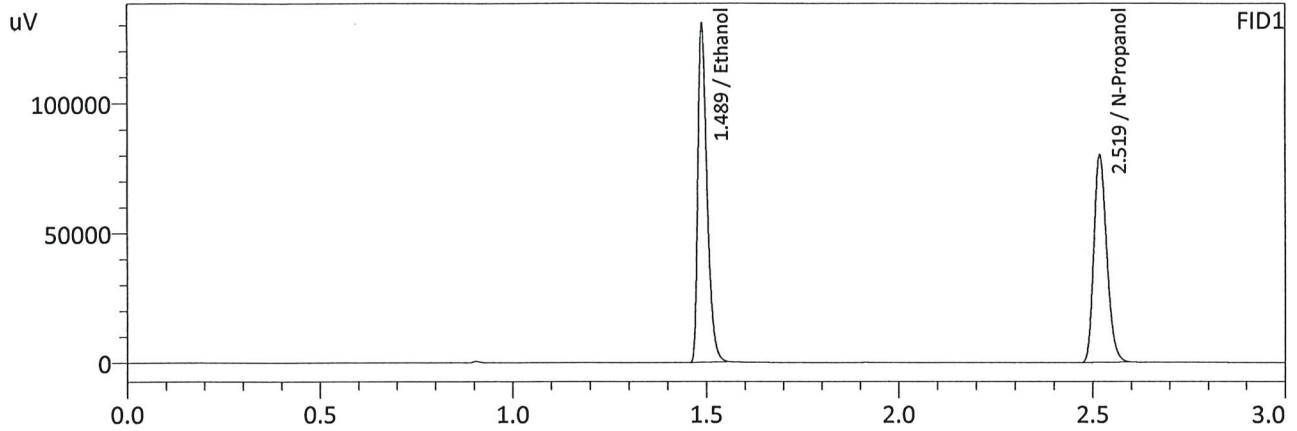
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2997	119928	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	176032	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2995	130134	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190019	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.500  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 11:31:15 AM  
 Vial # : 5  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

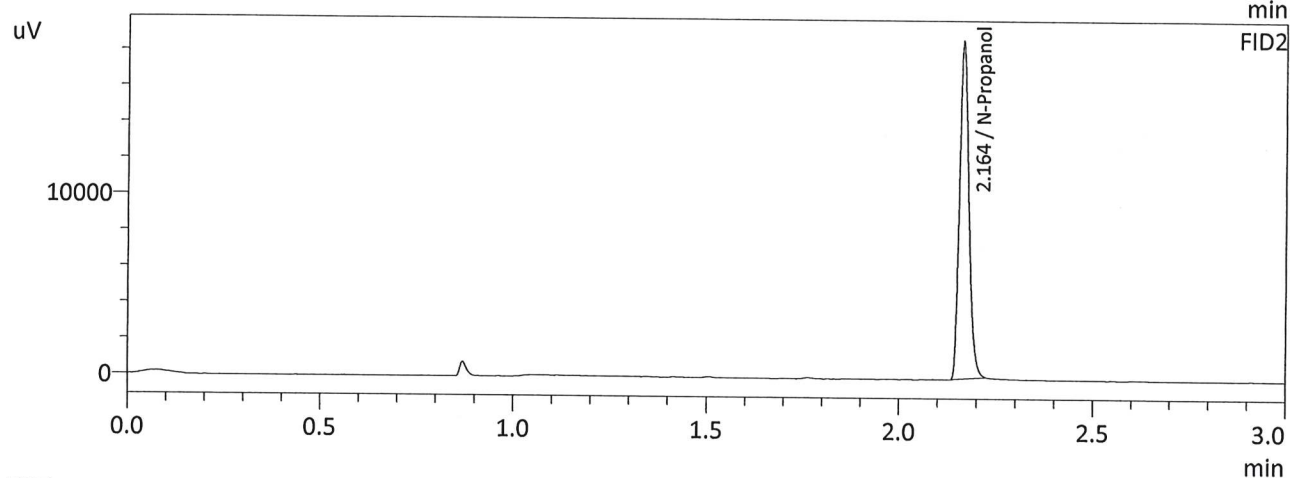
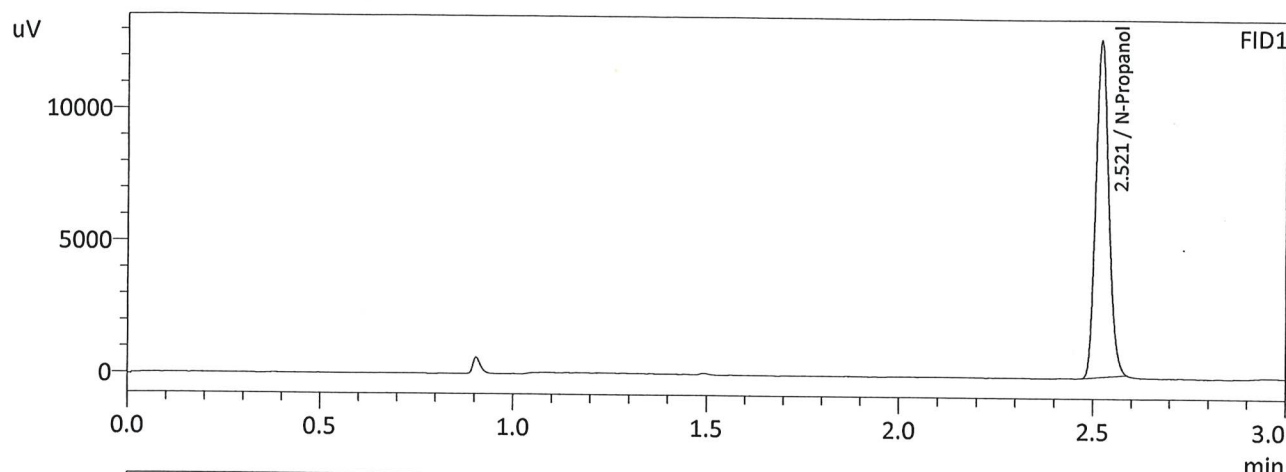
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5014	214694	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187189	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5013	233441	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202236	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : INT STD BLK  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 11:39:51 AM  
 Vial # : 6  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	29874	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	31578	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

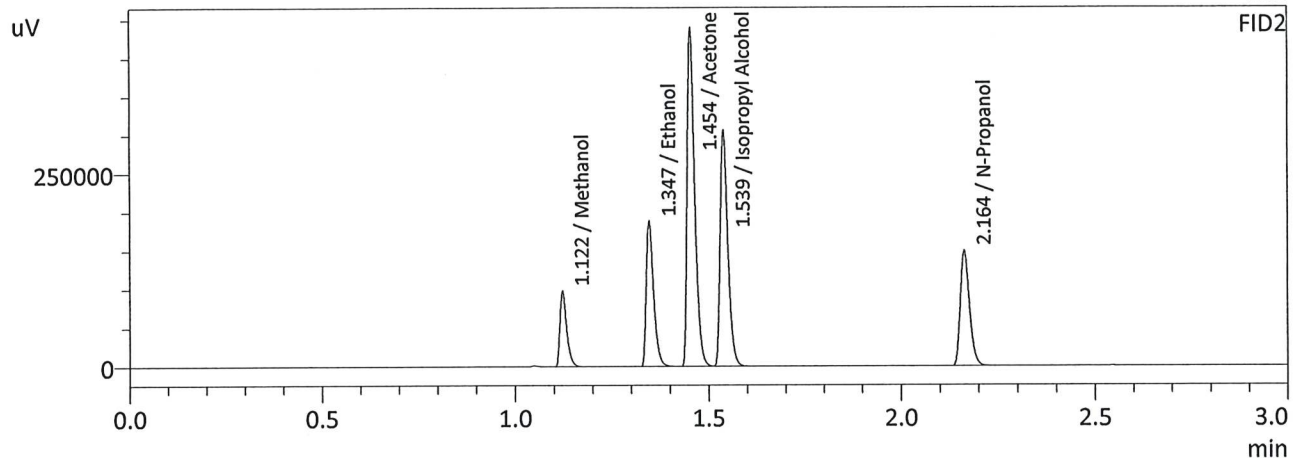
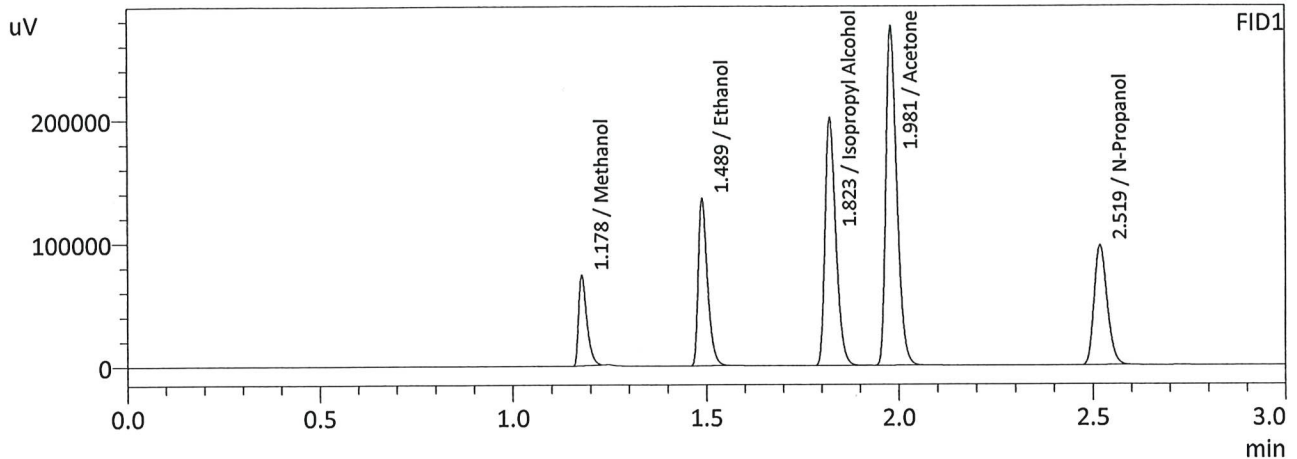
# Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548  
Shimadzu HS-20 Serial #C12595800409  
Lab Solutions Database Software Ver. 6.111  
Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	0:Unknown	1	ALCOHOL 240207GG.gcm
2	0.100	0:Unknown	2	ALCOHOL 240207GG.gcm
3	0.200	0:Unknown	3	ALCOHOL 240207GG.gcm
4	0.300	0:Unknown	4	ALCOHOL 240207GG.gcm
5	0.500	0:Unknown	5	ALCOHOL 240207GG.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 240207GG.gcm

W

Sample Name : MIXED VOLATILES FN 06041902  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 12:34:14 PM  
 Vial # : 2  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	106981	g/100cc
Ethanol	0.4335	223934	g/100cc
Isopropyl Alcohol	0.0000	391046	g/100cc
Acetone	0.0000	539355	g/100cc
N-Propanol	0.0000	226170	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	120854	g/100cc
Ethanol	0.4348	245588	g/100cc
Acetone	0.0000	590123	g/100cc
Isopropyl Alcohol	0.0000	424198	g/100cc
N-Propanol	0.0000	245694	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 2/7/2024 12:58:59 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0786	0.0781	0.0005	0.0783	0.0028	0.0797
(g/100cc)	0.0815	0.0808	0.0007	0.0811		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_240207GG.gcm

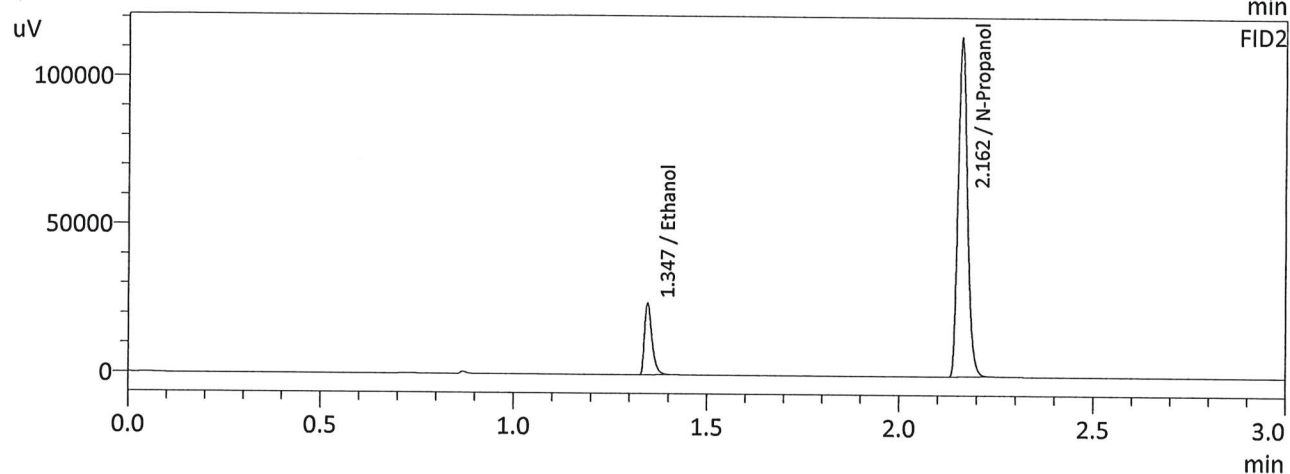
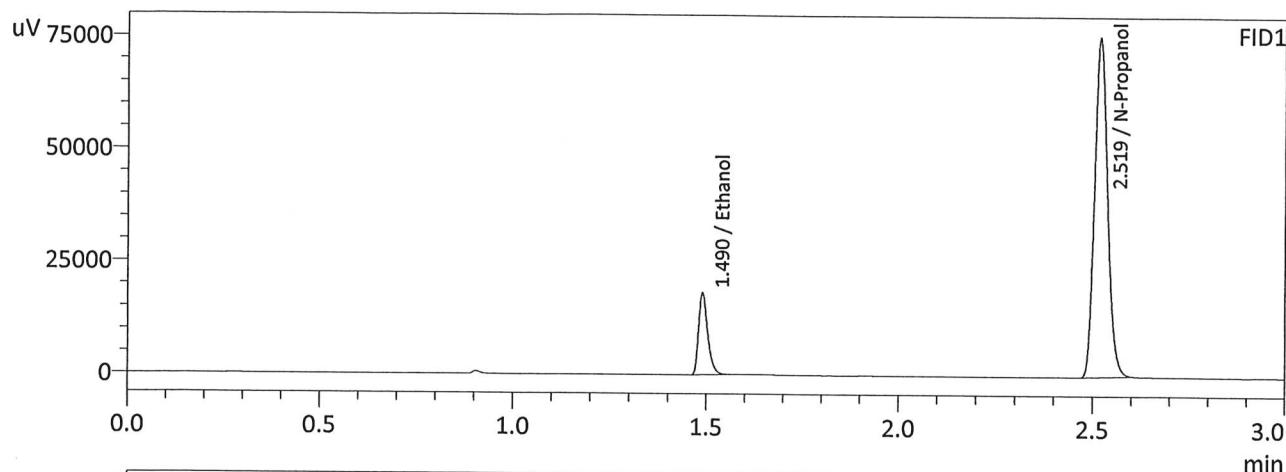
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

	Reported Results
	0.079

Calibration and control data are stored centrally.



Sample Name : 0.08 QA  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 12:58:59 PM  
 Vial # : 5  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

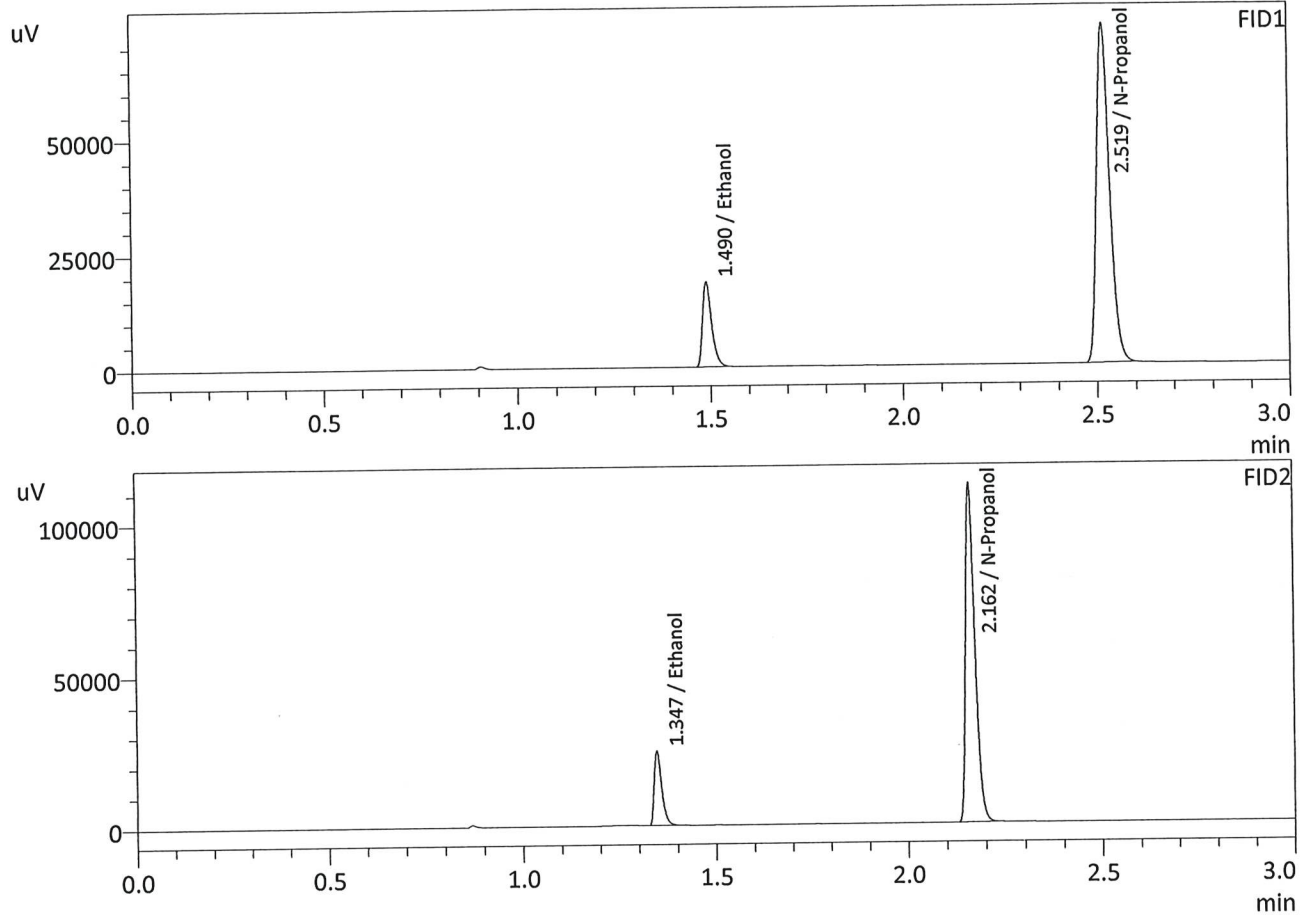
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0786	30057	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	176022	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0781	32223	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189756	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.08 QA  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 1:06:24 PM  
 Vial # : 6  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0815	30459	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	171708	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0808	32610	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	185288	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1

Analysis Date(s): 2/7/2024 12:41:32 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0788	0.0782	0.0006	0.0785	0.0008	0.0781
(g/100cc)	0.0780	0.0775	0.0005	0.0777		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

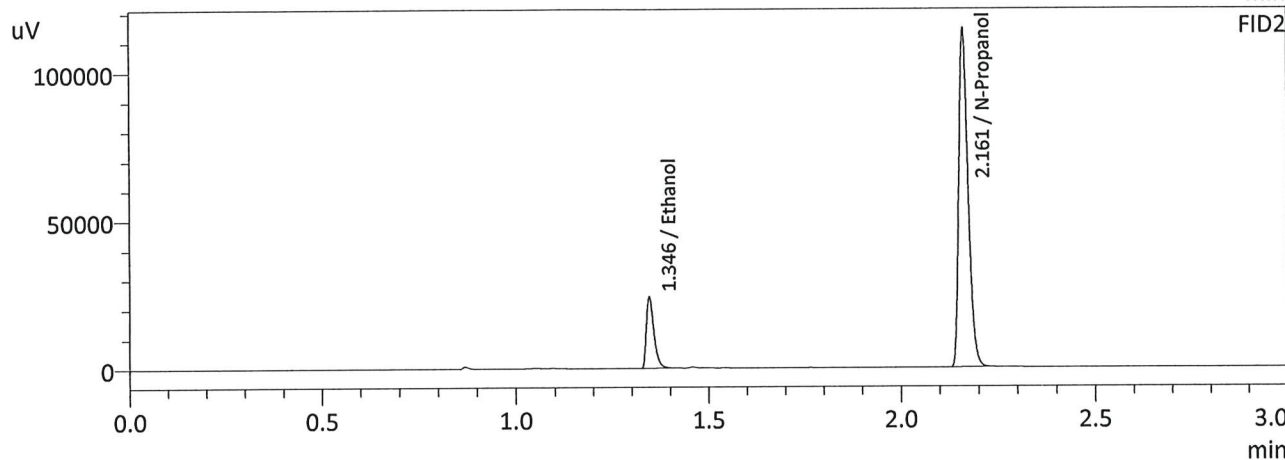
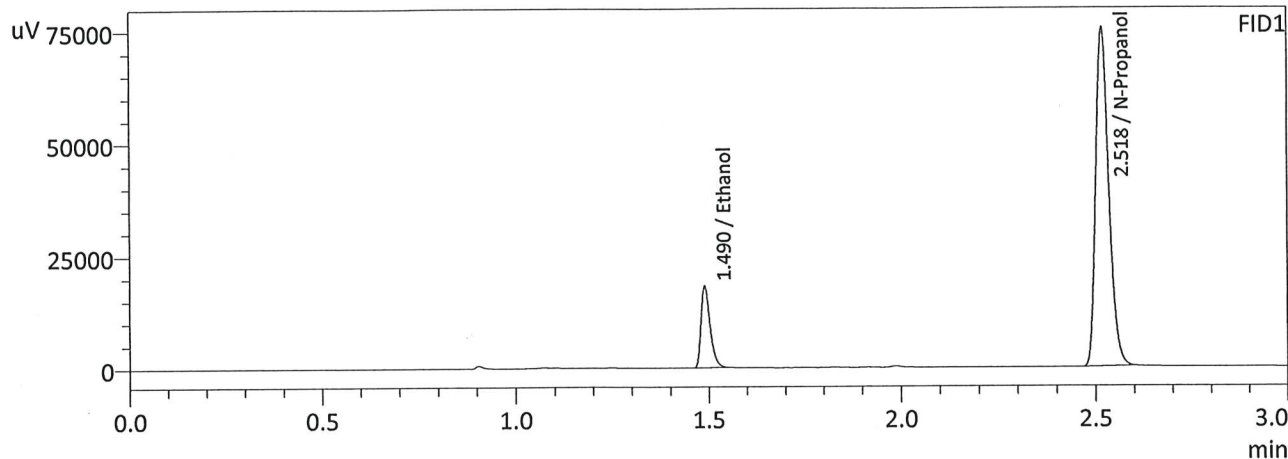
Refer To Instrument Method: ALCOHOL\_240207GG.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.078	0.074	0.082	0.004
	Reported Results		
	0.078		

Calibration and control data are stored centrally.

W

Sample Name : QC-1-1  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 12:41:32 PM  
 Vial # : 3  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

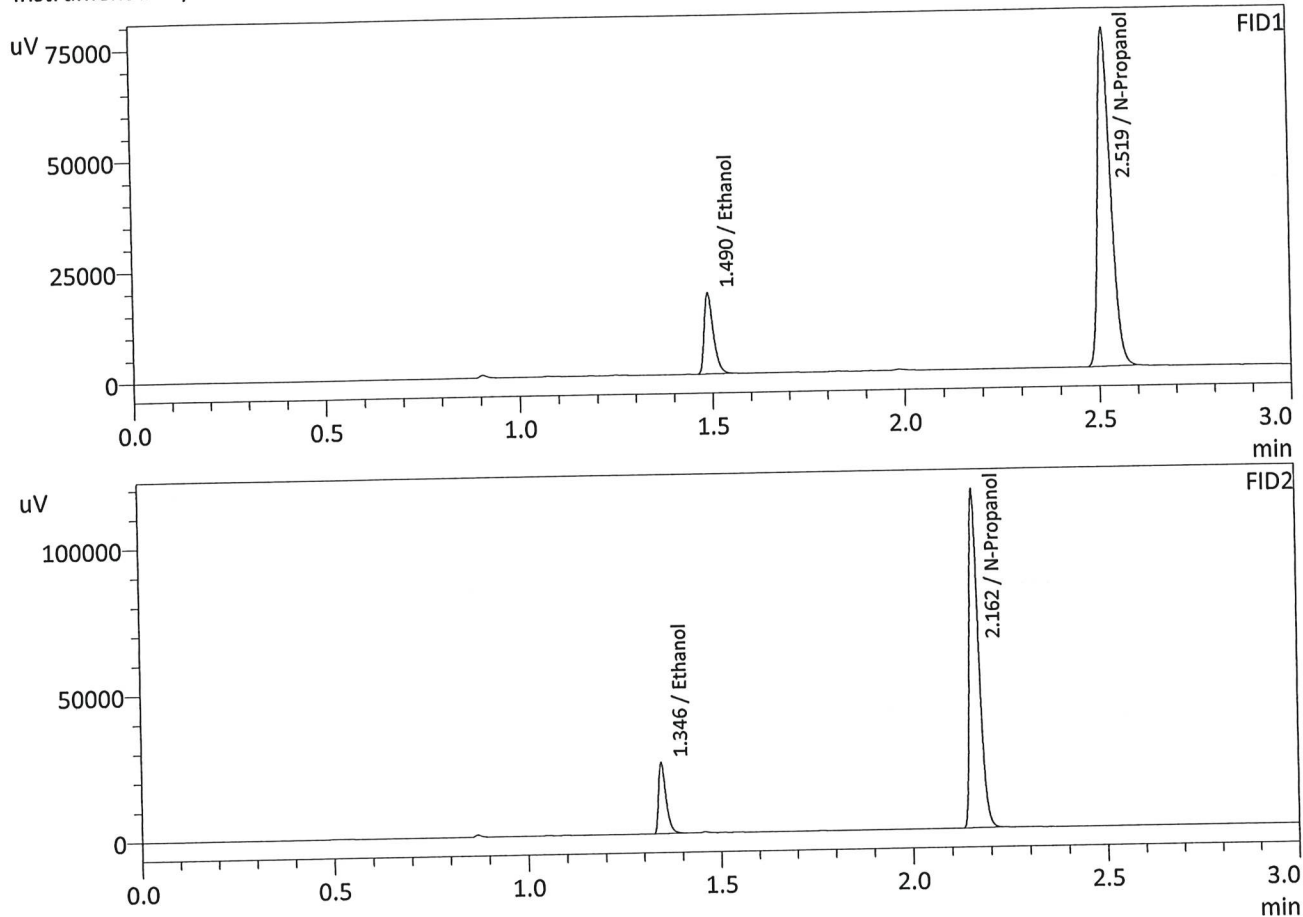
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	30085	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	175729	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0782	32220	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189432	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC-1-1-B  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 12:50:22 PM  
 Vial # : 4  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0780	30103	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177724	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0775	32267	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191678	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

*W*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 2/7/2024 6:43:11 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0829	0.0826	0.0003	0.0827	0.0018	0.0836
(g/100cc)	0.0847	0.0844	0.0003	0.0845		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

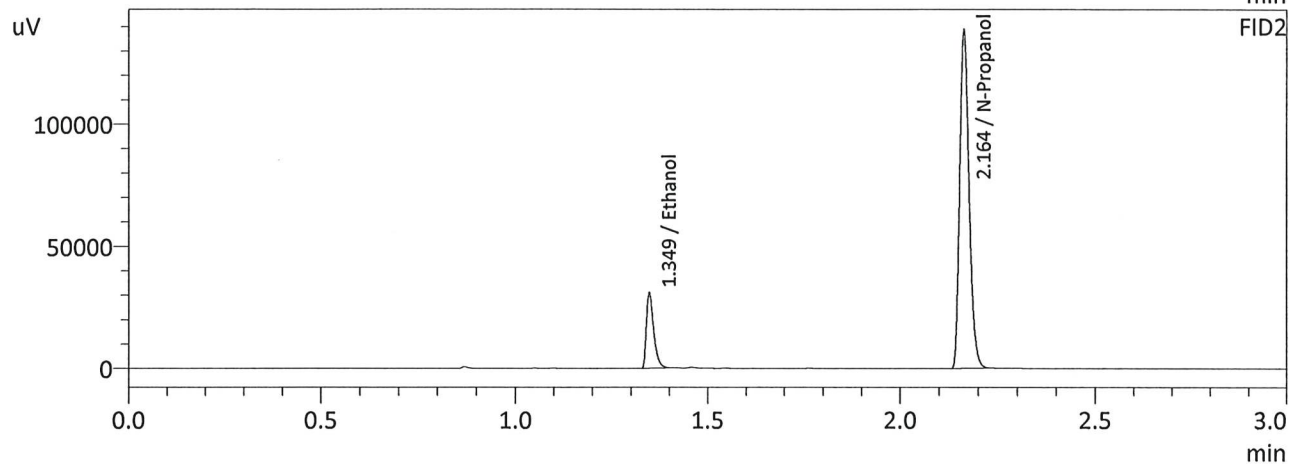
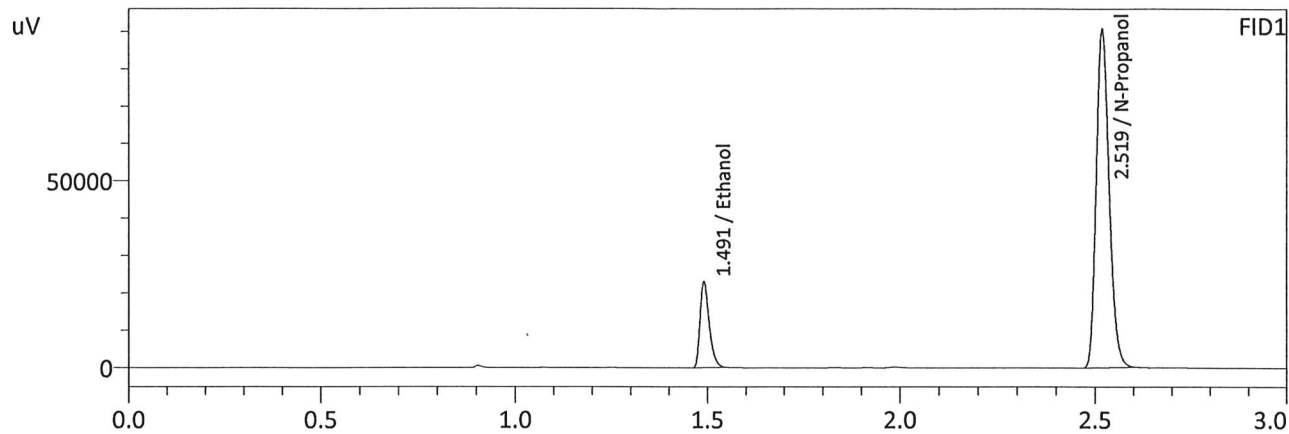
Refer To Instrument Method: ALCOHOL\_240207GG.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

Reported Results	
0.083	

Calibration and control data are stored centrally.

Sample Name : QC1-2  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 6:43:11 PM  
 Vial # : 47  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

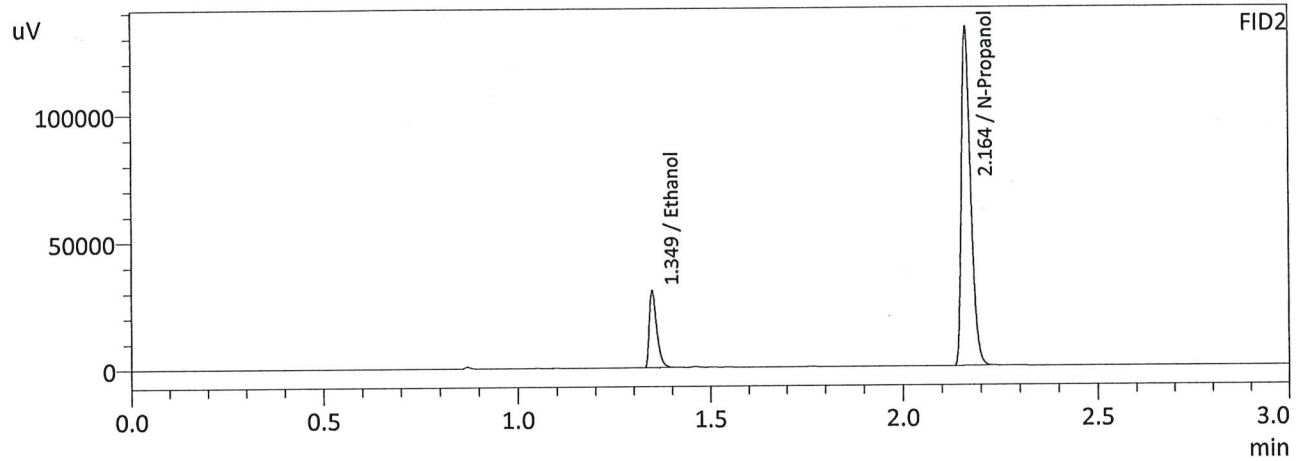
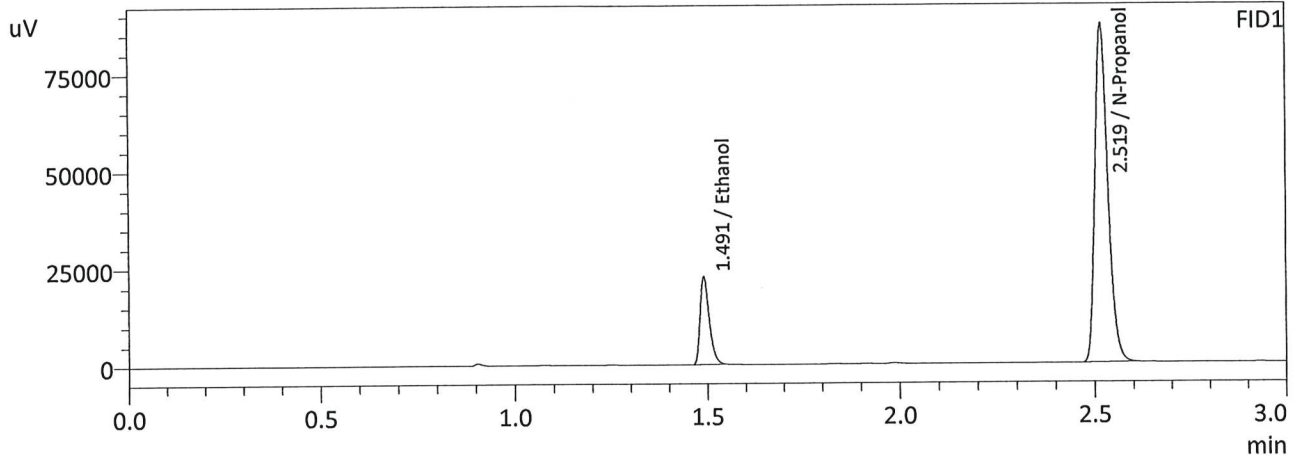
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0829	38237	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211569	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0826	41353	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229586	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

*W*

Sample Name : QC1-2-B  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 6:52:08 PM  
 Vial # : 48  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0847	37503	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202920	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0844	40582	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220131	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

*Handwritten signature*



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Laboratory No: QC-2-1		Analysis Date(s): 2/7/2024 3:41:26 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2076	0.2068	0.0008	0.2072	0.0023	0.2060
(g/100cc)	0.2051	0.2047	0.0004	0.2049		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

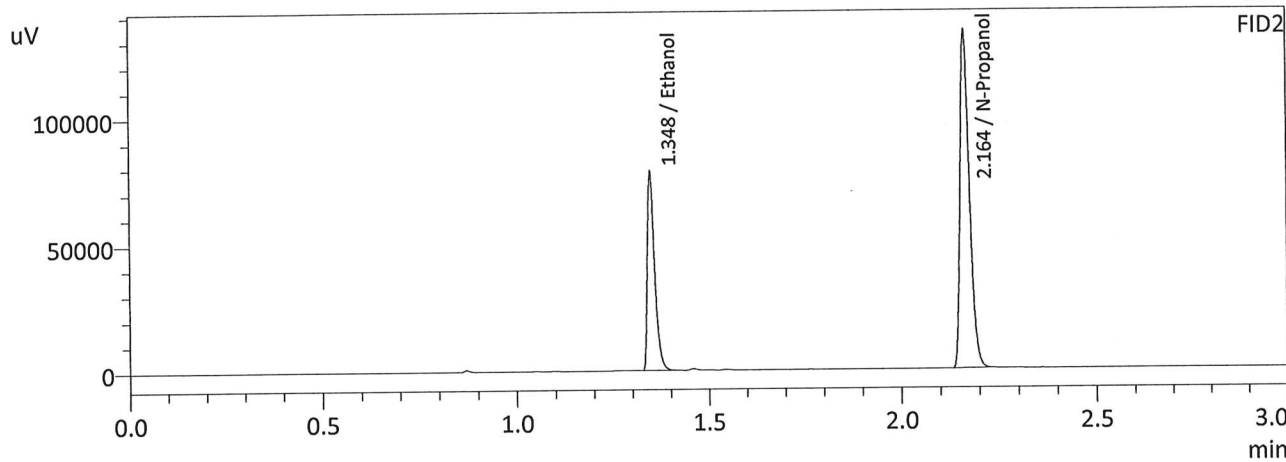
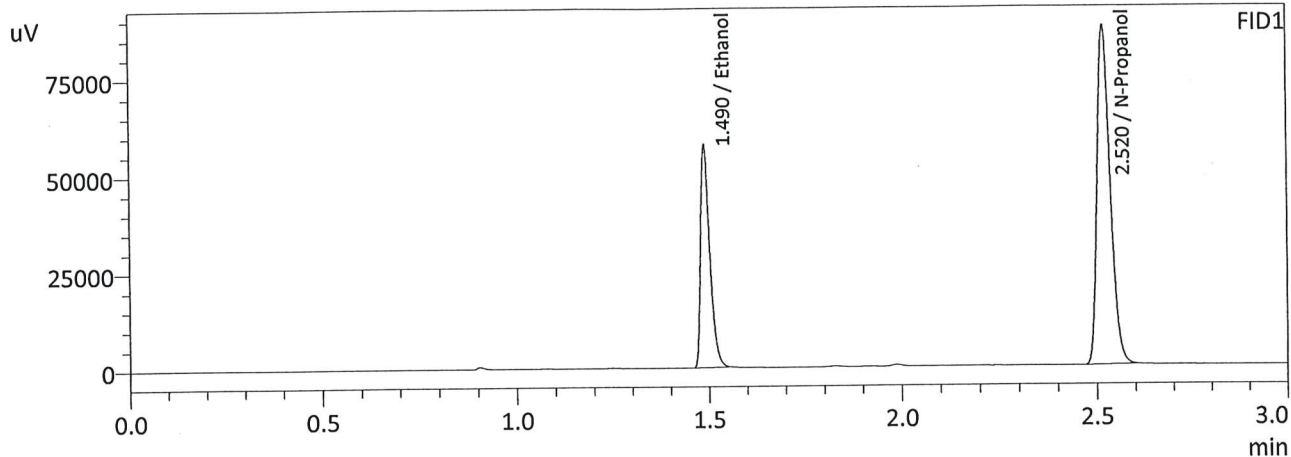
Refer To Instrument Method: ALCOHOL\_240207GG.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.206	0.195	0.217	0.011

Reported Results	
0.206	

Calibration and control data are stored centrally.

Sample Name : QC-2-1  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 3:41:26 PM  
 Vial # : 25  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

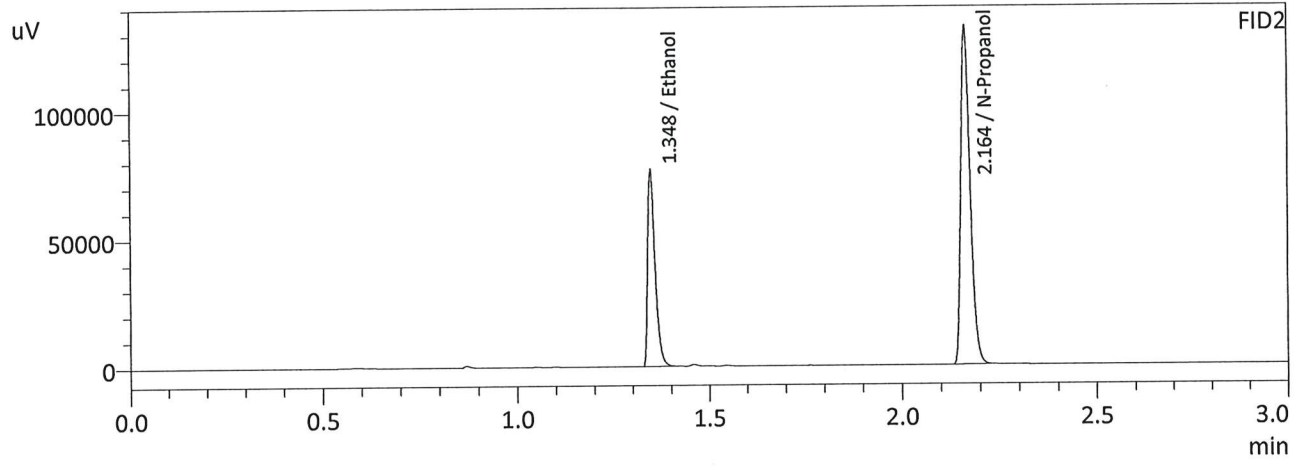
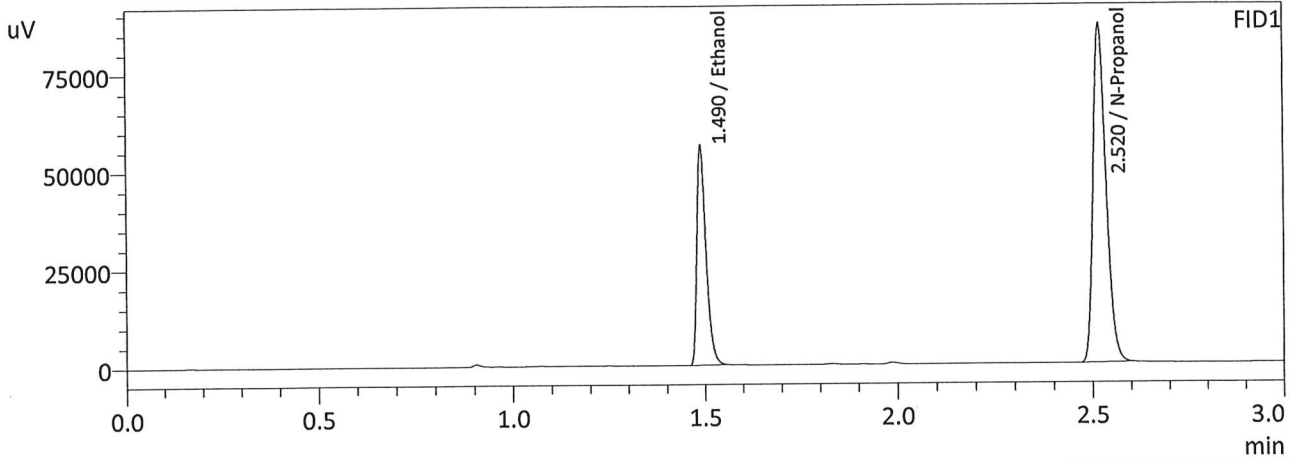
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2076	95460	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203718	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2068	103618	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220844	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC-2-1-B  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 3:50:11 PM  
 Vial # : 26  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2051	93518	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202088	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2047	101669	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218958	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2

Analysis Date(s): 2/7/2024 6:59:36 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2026	0.2022	0.0004	0.2024	0.0037	0.2042
(g/100cc)	0.2063	0.2060	0.0003	0.2061		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

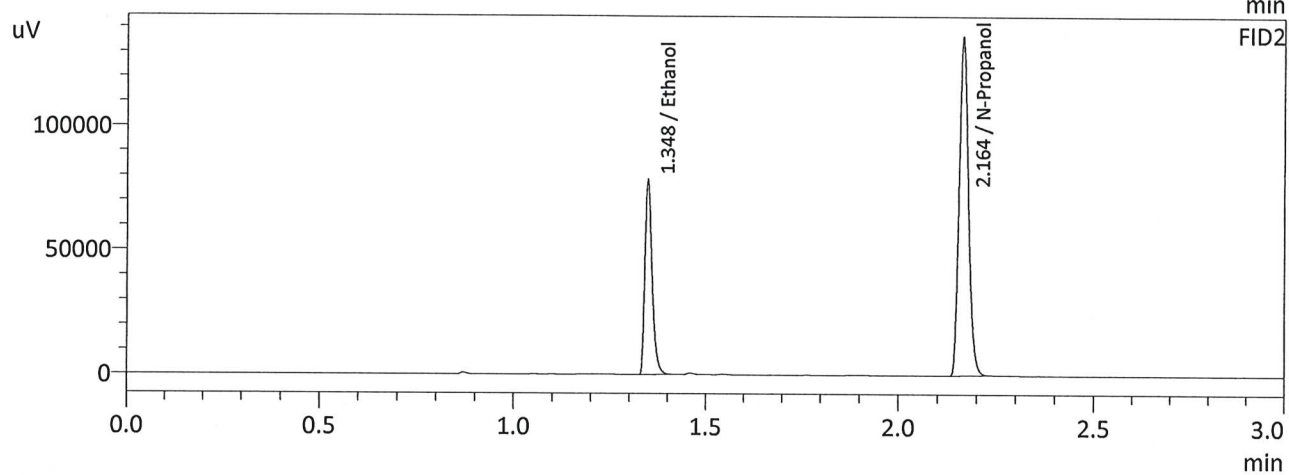
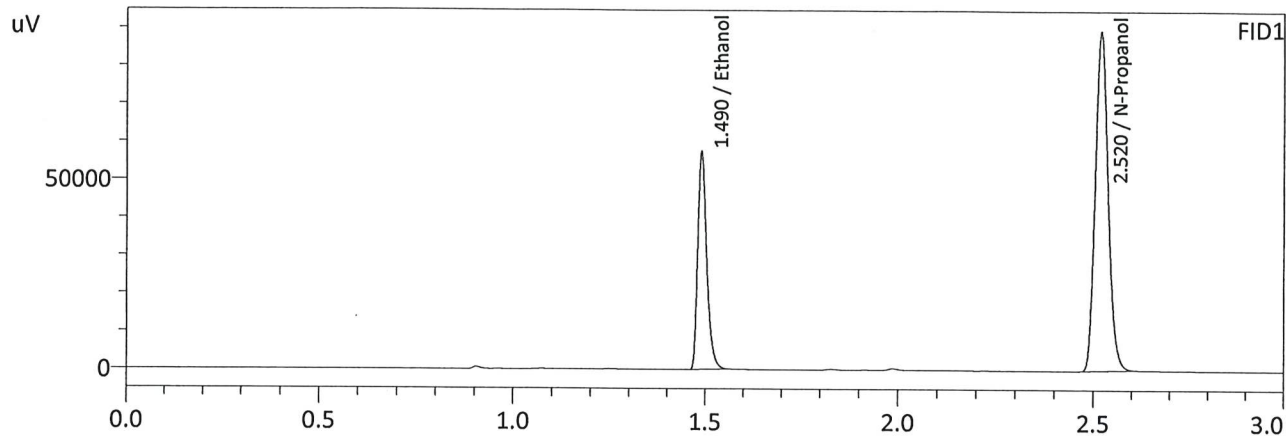
Refer To Instrument Method: ALCOHOL\_240207GG.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.204	0.193	0.215	0.011

	Reported Results
	0.204

Calibration and control data are stored centrally.

Sample Name : QC2-2  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 6:59:36 PM  
 Vial # : 49  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

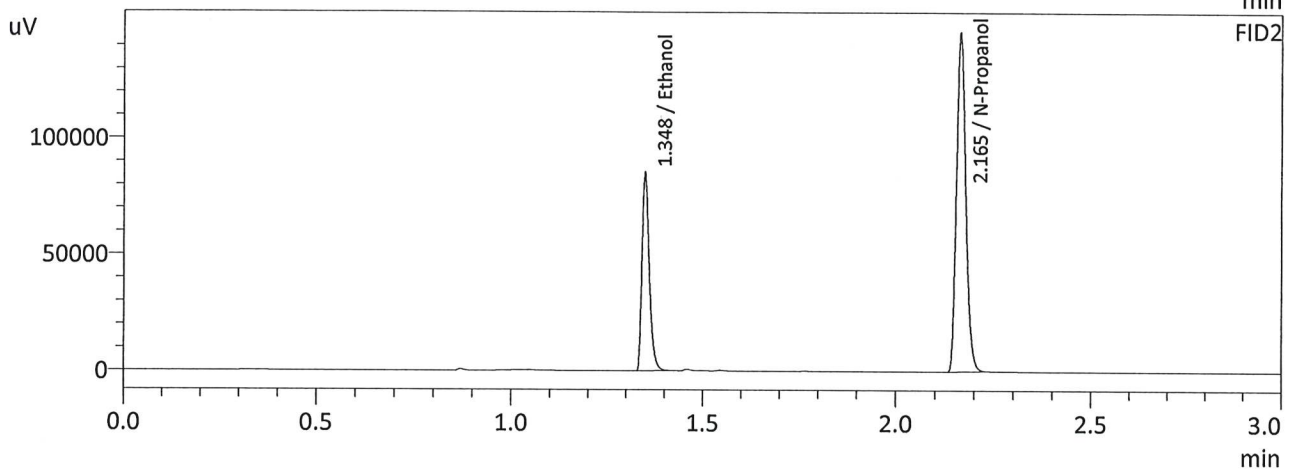
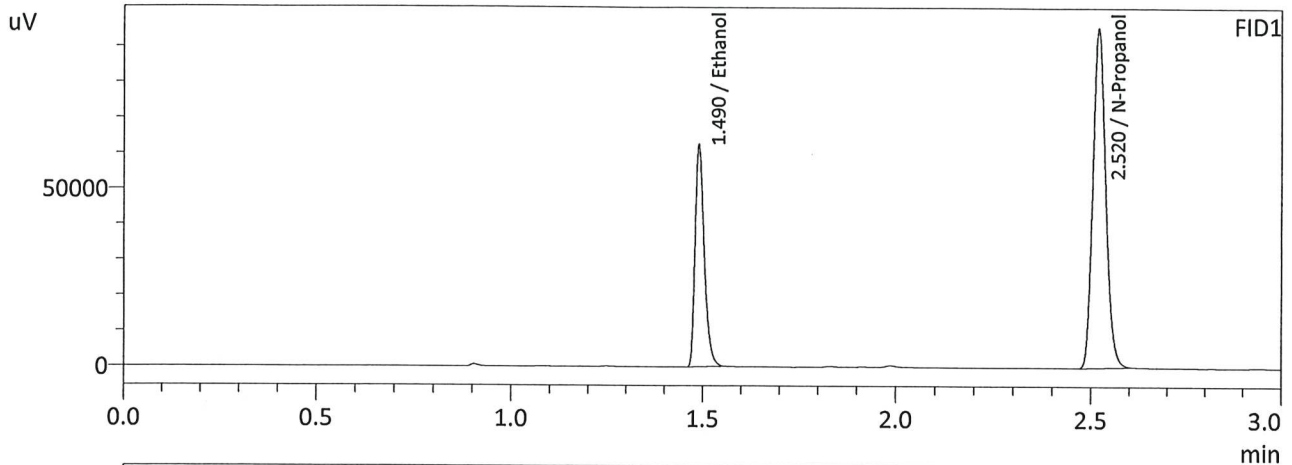
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2026	95369	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208677	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2022	103691	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	226211	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC2-2-B  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 7:07:57 PM  
 Vial # : 50  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2063	103786	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	222884	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2060	112912	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	241588	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

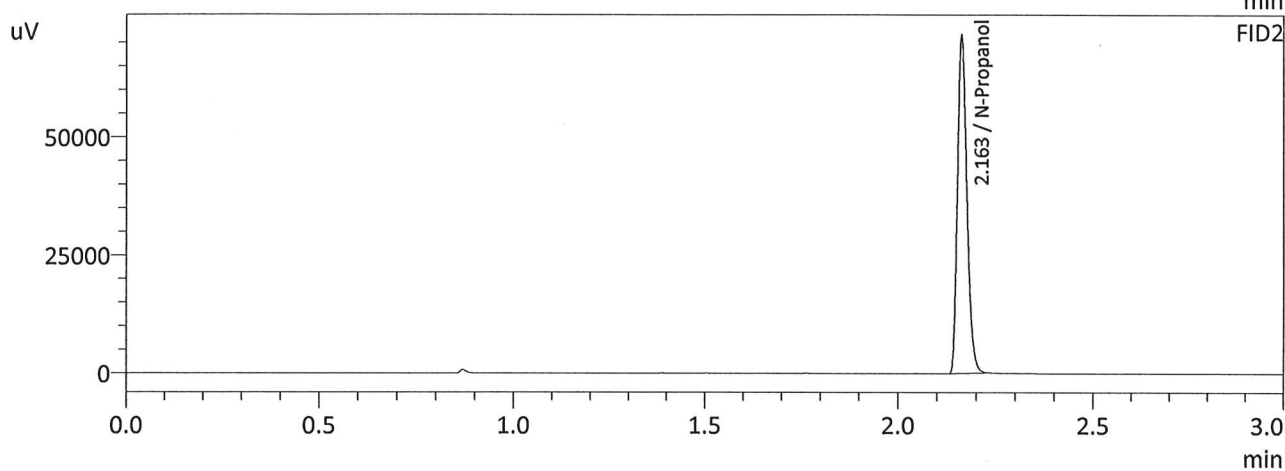
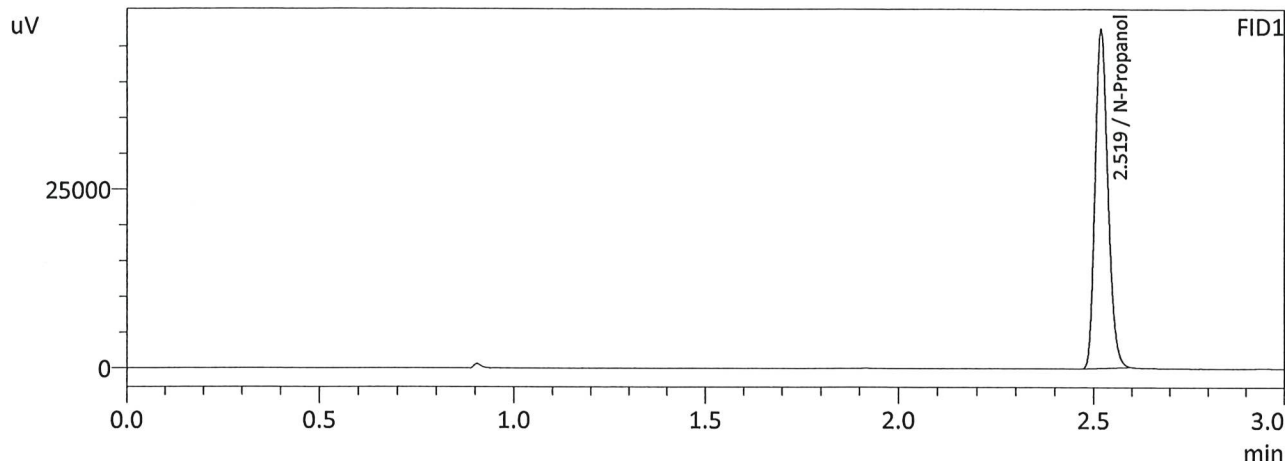
W

# Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548  
 Shimadzu HS-20 Serial #C12595800409  
 Lab Solutions Database Software Ver. 6.111  
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Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 240207GG.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240207GG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240207GG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240207GG.gcm
6	0.08 QA	0:Unknown	0	ALCOHOL 240207GG.gcm
7	M2024-0403-1	0:Unknown	0	ALCOHOL 240207GG.gcm
8	M2024-0403-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
9	M2024-0404-1	0:Unknown	0	ALCOHOL 240207GG.gcm
10	M2024-0404-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
11	M2024-0406-1	0:Unknown	0	ALCOHOL 240207GG.gcm
12	M2024-0406-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
13	M2024-0407-1	0:Unknown	0	ALCOHOL 240207GG.gcm
14	M2024-0407-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
15	M2024-0408-1	0:Unknown	0	ALCOHOL 240207GG.gcm
16	M2024-0408-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
17	M2024-0432-1	0:Unknown	0	ALCOHOL 240207GG.gcm
18	M2024-0432-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
19	M2024-0433-2	0:Unknown	0	ALCOHOL 240207GG.gcm
20	M2024-0433-2-B	0:Unknown	0	ALCOHOL 240207GG.gcm
21	M2024-0441-1	0:Unknown	0	ALCOHOL 240207GG.gcm
22	M2024-0441-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
23	M2024-0464-1	0:Unknown	0	ALCOHOL 240207GG.gcm
24	M2024-0464-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240207GG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
27	M2024-0483-1	0:Unknown	0	ALCOHOL 240207GG.gcm
28	M2024-0483-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
29	M2024-0483-2	0:Unknown	0	ALCOHOL 240207GG.gcm
30	M2024-0483-2-B	0:Unknown	0	ALCOHOL 240207GG.gcm
31	M2024-0483-3	0:Unknown	0	ALCOHOL 240207GG.gcm
32	M2024-0483-3-B	0:Unknown	0	ALCOHOL 240207GG.gcm
33	M2024-0483-4	0:Unknown	0	ALCOHOL 240207GG.gcm
34	M2024-0483-4-B	0:Unknown	0	ALCOHOL 240207GG.gcm
35	M2024-0476-1	0:Unknown	0	ALCOHOL 240207GG.gcm
36	M2024-0476-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
37	M2024-0477-1	0:Unknown	0	ALCOHOL 240207GG.gcm
38	M2024-0477-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
39	M2024-0478-1	0:Unknown	0	ALCOHOL 240207GG.gcm
40	M2024-0478-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
41	M2024-0503-1	0:Unknown	0	ALCOHOL 240207GG.gcm
42	M2024-0503-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
43	M2024-0509-1	0:Unknown	0	ALCOHOL 240207GG.gcm
44	M2024-0509-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
45	M2024-0510-1	0:Unknown	0	ALCOHOL 240207GG.gcm
46	M2024-0510-1-B	0:Unknown	0	ALCOHOL 240207GG.gcm
47	QC1-2	0:Unknown	0	ALCOHOL 240207GG.gcm
48	QC1-2-B	0:Unknown	0	ALCOHOL 240207GG.gcm
49	QC2-2	0:Unknown	0	ALCOHOL 240207GG.gcm
50	QC2-2-B	0:Unknown	0	ALCOHOL 240207GG.gcm
51	INT STD BLK	0:Unknown	0	ALCOHOL 240207GG.gcm

Sample Name : INT STD BLK 1  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 12:26:53 PM  
 Vial # : 1  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	110893	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

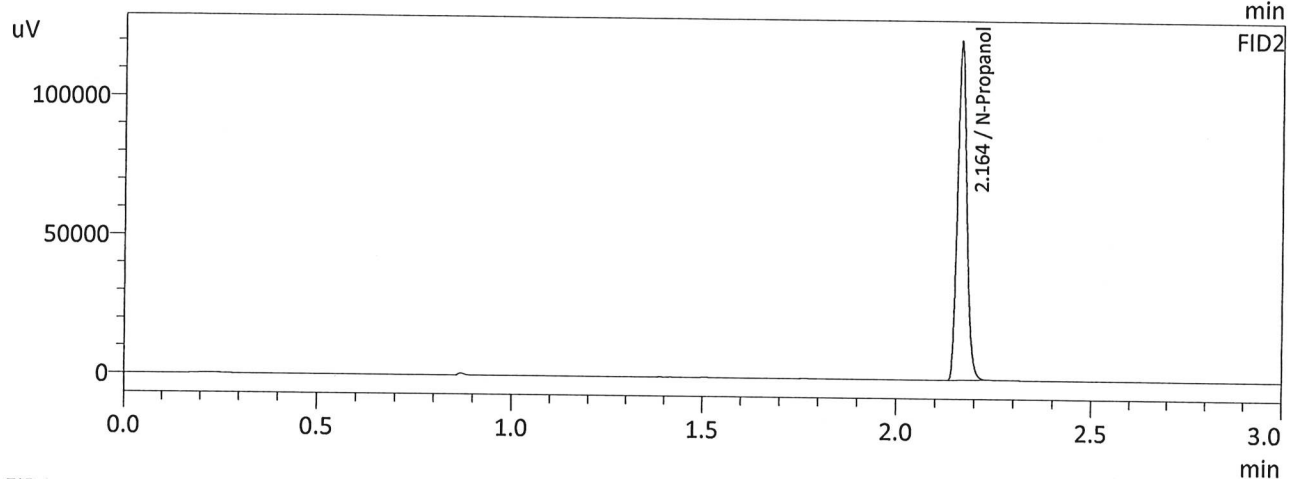
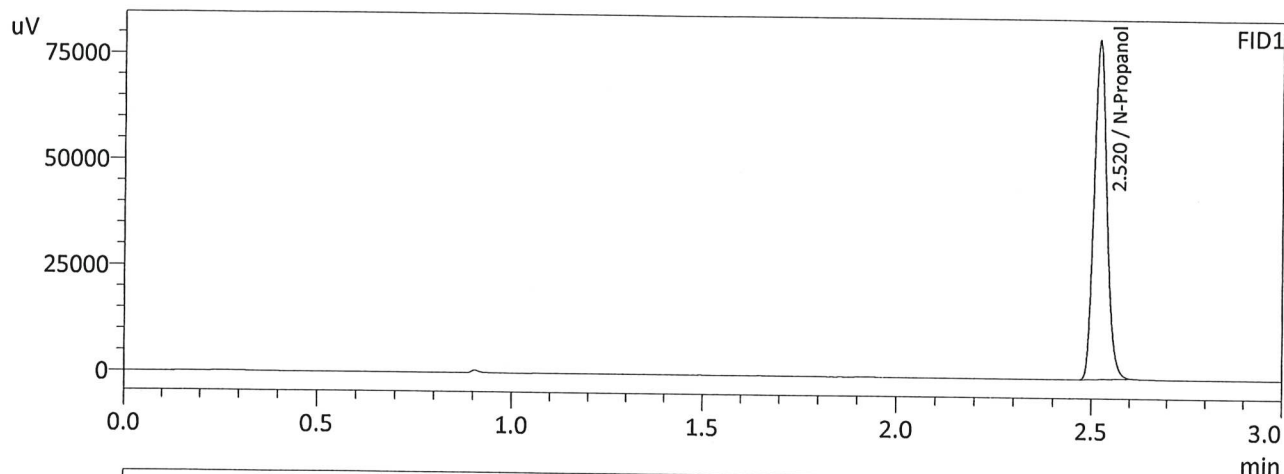
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	119442	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

*W*



Sample Name : INT STD BLK  
 Laboratory : Meridian  
 Injection Date : 2/7/2024 7:17:04 PM  
 Vial # : 51  
 Method Filename : Default Project - ALCOHOL\_240207GG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186705	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202225	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc