

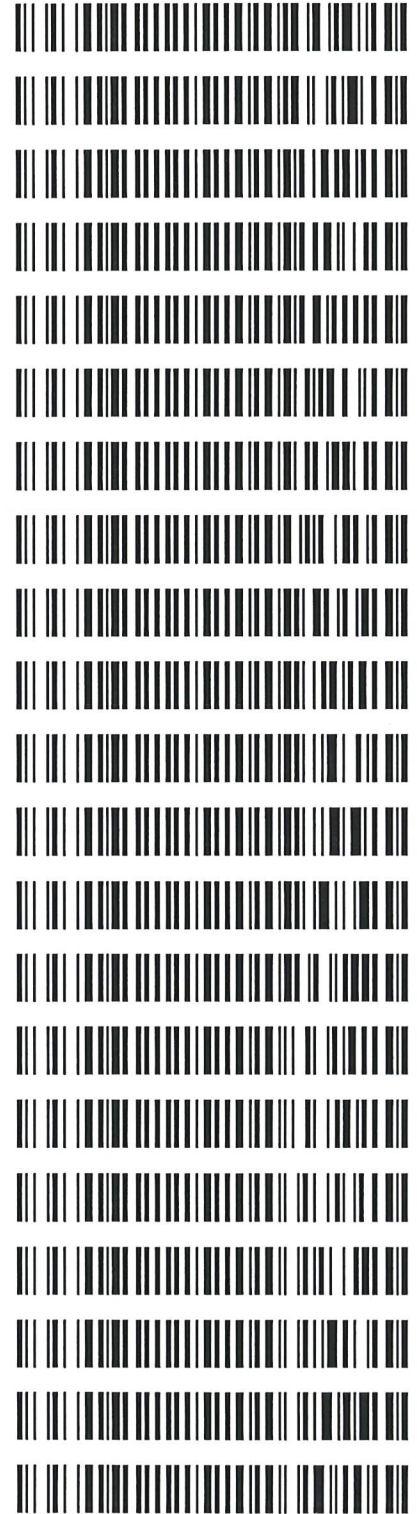
REVIEWED

By Melissa (Nikka) Bradley at 10:18 am, Sep 30, 2024

9/30/2024

Worklist: 6940

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
M2024-3920	1	BCK	Alcohol Analysis
M2024-3924	1	BCK	Alcohol Analysis
M2024-3951	1	BCK	Alcohol Analysis
M2024-3952	1	BCK	Alcohol Analysis
M2024-3953	1	BCK	Alcohol Analysis
M2024-3986	1	BCK	Alcohol Analysis
M2024-3991	1	BCK	Alcohol Analysis
M2024-4001	1	BCK	Alcohol Analysis
M2024-4012	1	BCK	Alcohol Analysis
M2024-4013	1	BCK	Alcohol Analysis
M2024-4015	1	BCK	Alcohol Analysis
M2024-4016	1	BCK	Alcohol Analysis
M2024-4017	1	BCK	Alcohol Analysis
M2024-4049	1	BCK	Alcohol Analysis
M2024-4058	1	BCK	Alcohol Analysis
M2024-4059	1	BCK	Alcohol Analysis
M2024-4087	1	BCK	Alcohol Analysis
M2024-4088	1	BCK	Alcohol Analysis
M2024-4093	1	BCK	Alcohol Analysis
M2024-4094	1	BCK	Alcohol Analysis
M2024-4095	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): 09/27/2024

Calibration Date: 09/27/2024

Worklist #: 6940

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0809 g/100cc 0.0821 g/100cc g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2099 g/100cc 0.2076 g/100cc g/100cc
Multi-Component mixture:			Exp:	Lot #	
Curve Fit:			Column 1	Column 2	
			0.99991	Column2	0.99992

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0518	0.0516	0.0002	0.0517
100	0.100	0.090 - 0.110	0.0989	0.0993	0.0004	0.0991
200	0.200	0.180 - 0.220	0.1978	0.1977	0.0001	0.1977
300	0.300	0.270 - 0.330	0.3011	0.3009	0.0002	0.301
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5002	0.5002	0	0.5002

Aqueous Controls

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

Internal Standard Monitoring Worksheet

Worklist #: 6940	Run Date(s): 09/27/2024
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Internal Standard Solution:	Prep Date: 8/5/2024	Exp Date: 2/5/2025
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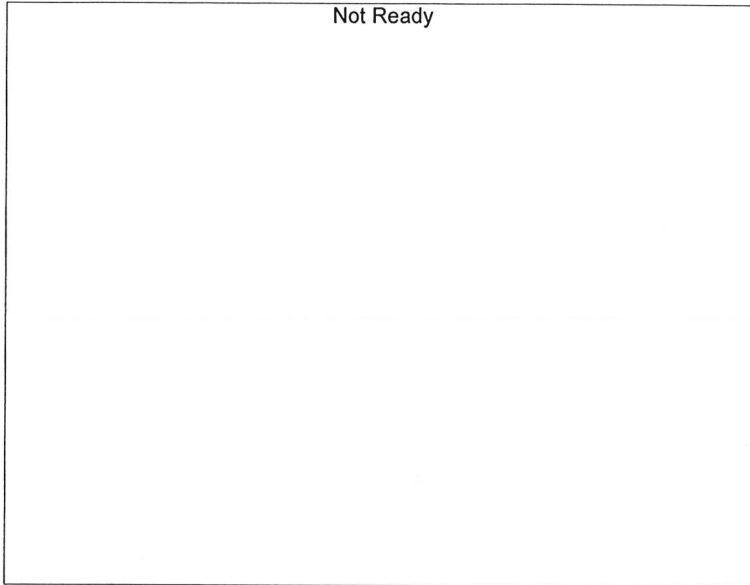
Sample Name	Column 1 Value	Column 2 Value
0.080	197695	215154
0.080	196265	213642
QC1	209339	228090
QC1	207397	225883
QC1	240158	261890
QC1	240587	262062
QC1		
QC1		
QC2	232635	253995
QC2	238976	260662
QC2	232365	253089
QC2	261476	285319
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	225689.3	180551.4	270827.2
Column 2	245978.6	196782.9	295174.3

Calibration Table

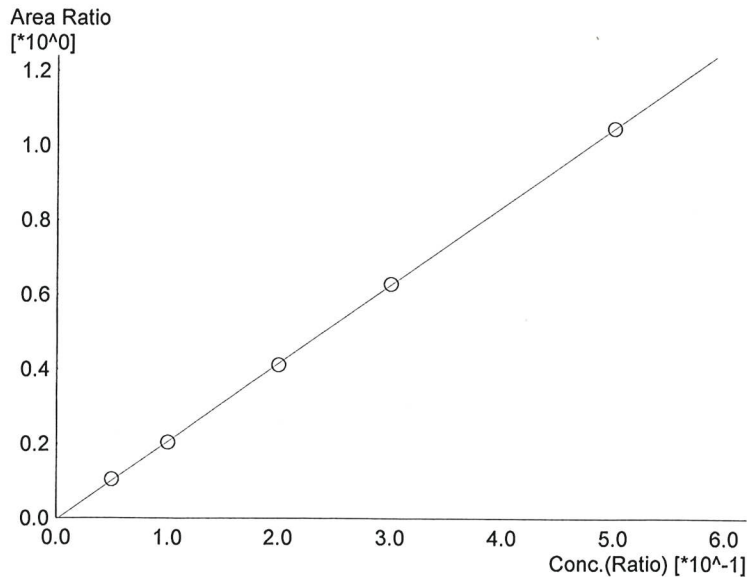
Laboratory : MERIDIAN
 Instrument Name : GC-BAC
 Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
 Method File :Default Project - ALCOHOL_240927_GG.gcm
 Batch File :Default Project - CALCURVE_240927_GG.gcb
 Date Acquired :9/27/2024 10:35:50 AM
 Date Created :9/27/2024 10:31:11 AM
 Date Modified :9/27/2024 10:55:36 AM



Name : Methanol
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

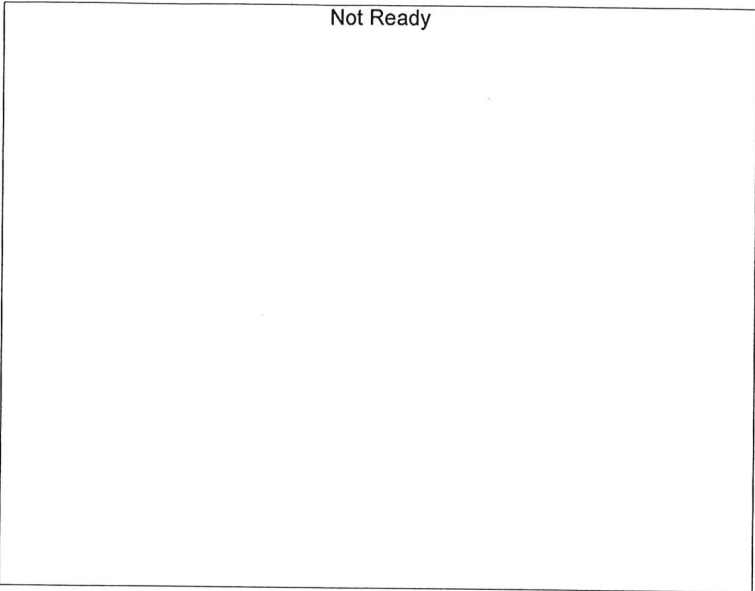
#	Conc.	Area	Std. Conc.
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Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.10260*x-0.00445363$
 R² value= 0.9999195
 FitType: Linear
 ZeroThrough: Not Through

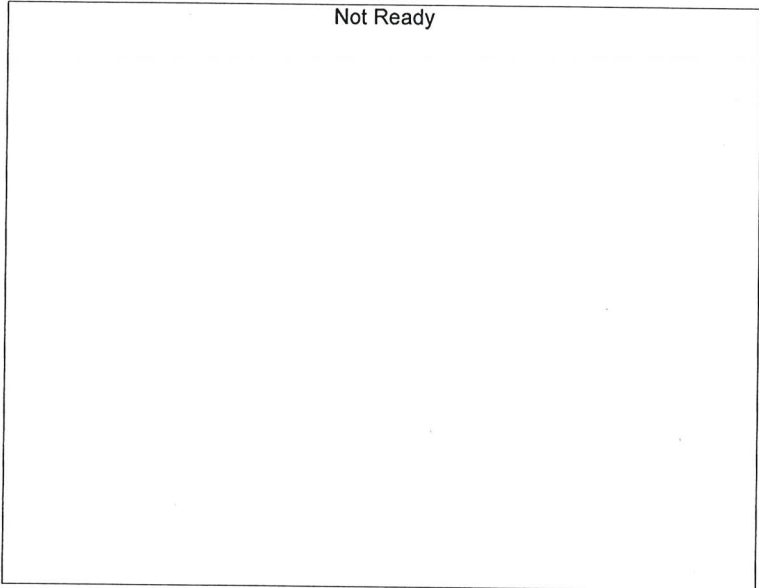
#	Conc.	Area	Std. Conc.
1	0.050	20512	0.0518
2	0.100	39326	0.0989
3	0.200	78503	0.1978
4	0.300	123596	0.3011
5	0.500	213496	0.5002

W



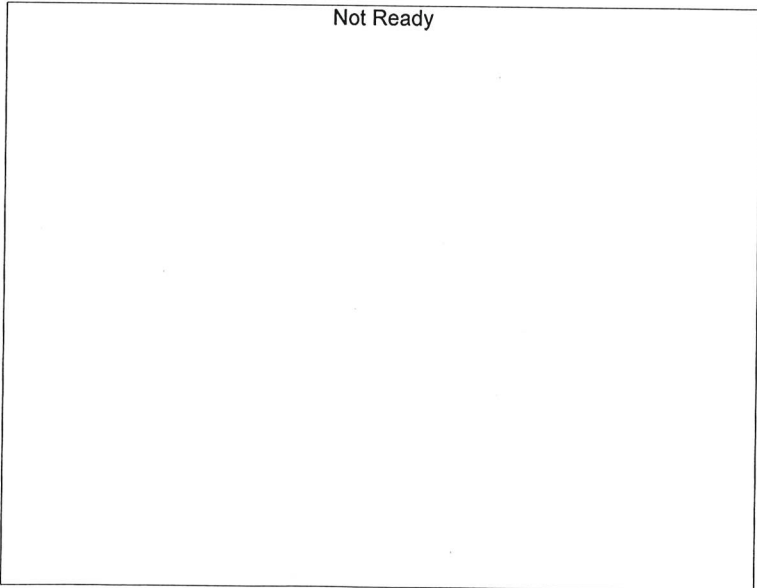
Name : Isopropyl Alcohol
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

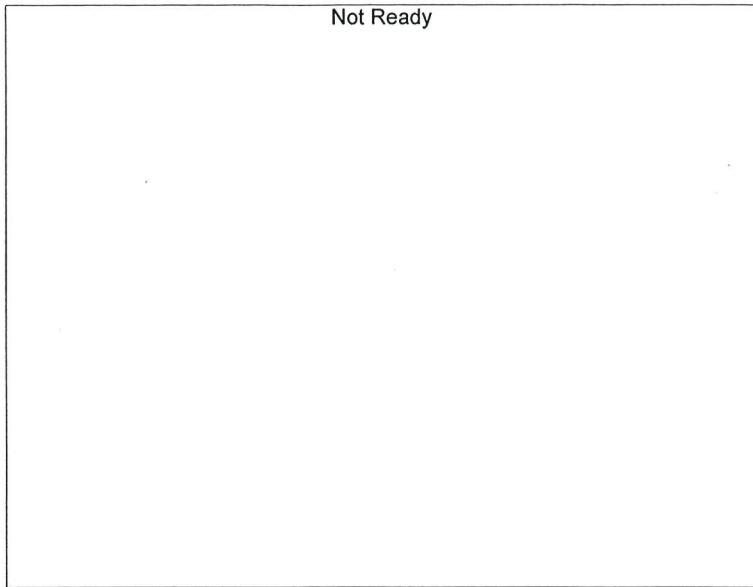
#	Conc.	Area	Std. Conc.
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Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

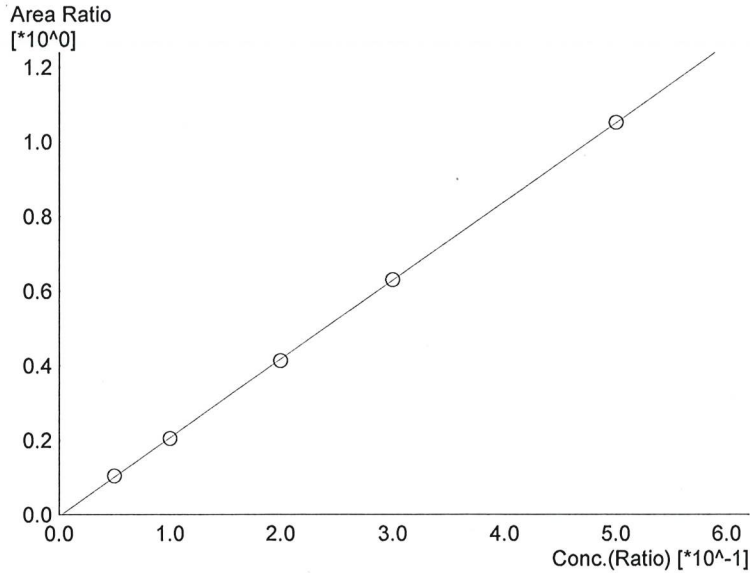
#	Conc.	Area	Std. Conc.
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6



Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.11181*x-0.00537057$
 R² value= 0.9999293
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	22149	0.0516
2	0.100	42950	0.0993
3	0.200	85675	0.1977
4	0.300	134884	0.3009
5	0.500	233123	0.5002



Name : Acetone
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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W

Not Ready

Name : Isopropyl Alcohol
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------

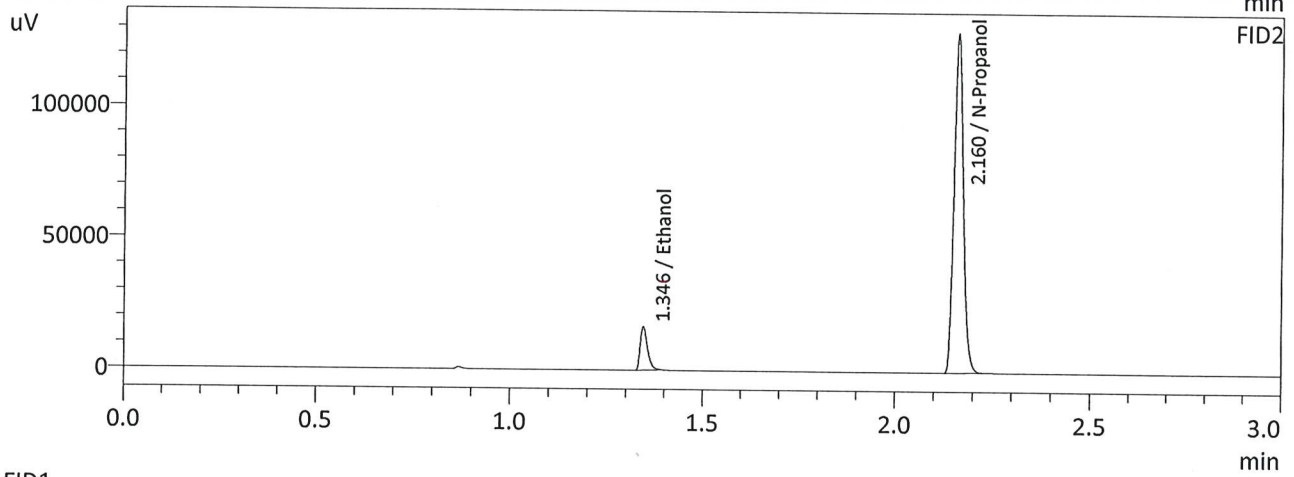
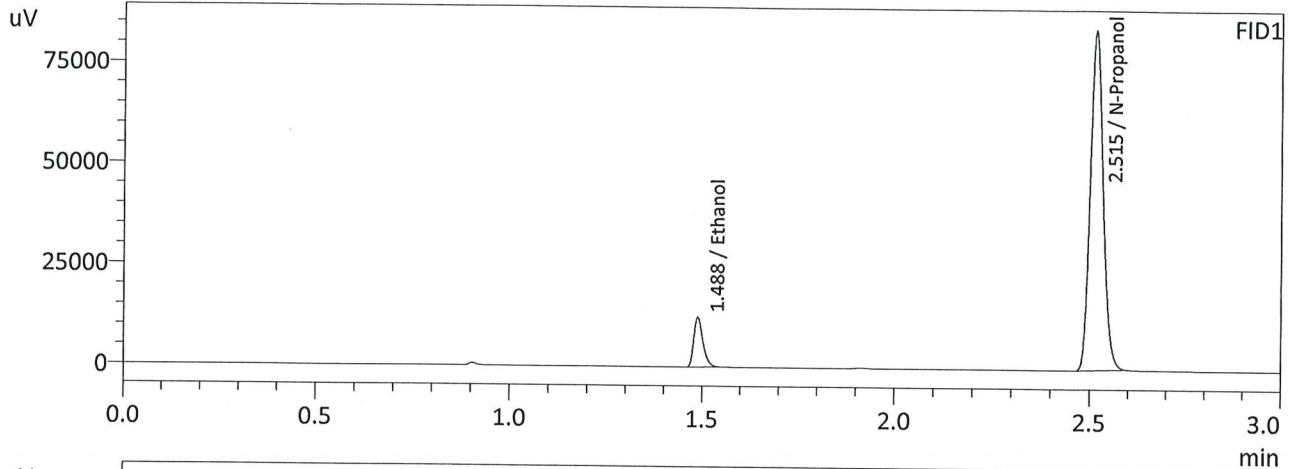
Not Ready

Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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or

Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 9/27/2024 10:04:44 AM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

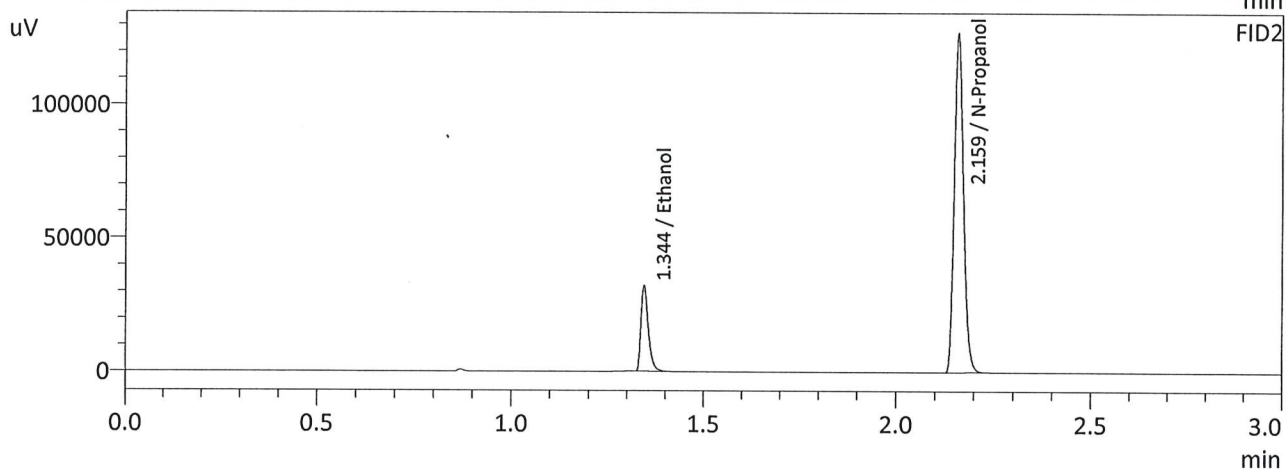
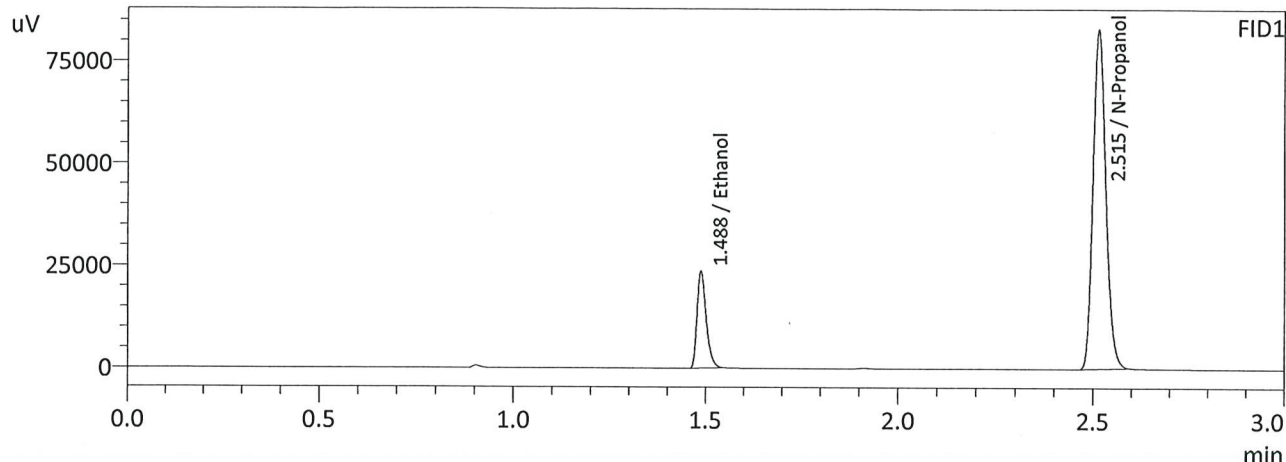
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0518	20512	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196125	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0516	22149	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213622	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Handwritten signature

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 9/27/2024 10:12:05 AM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

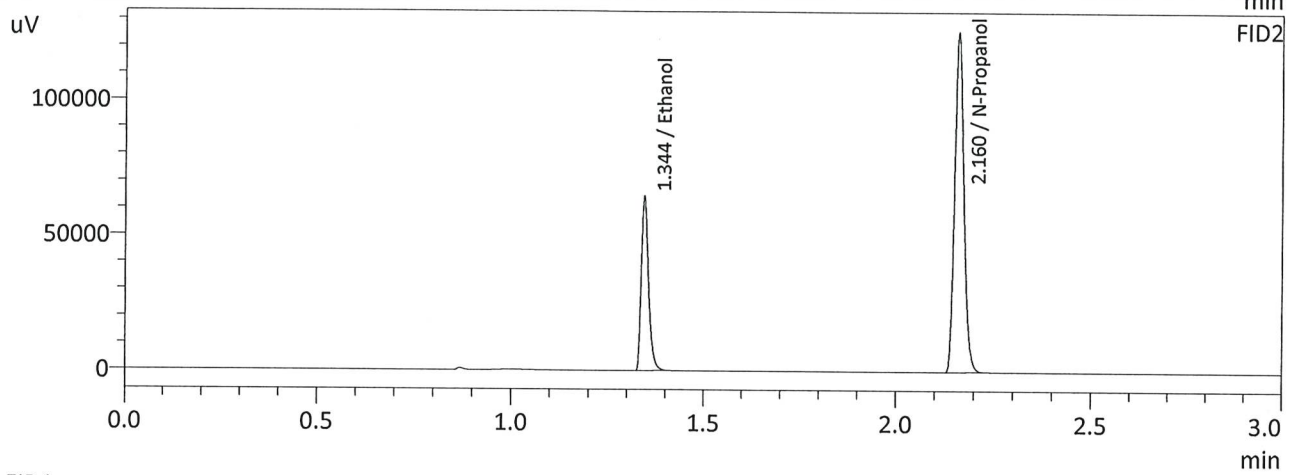
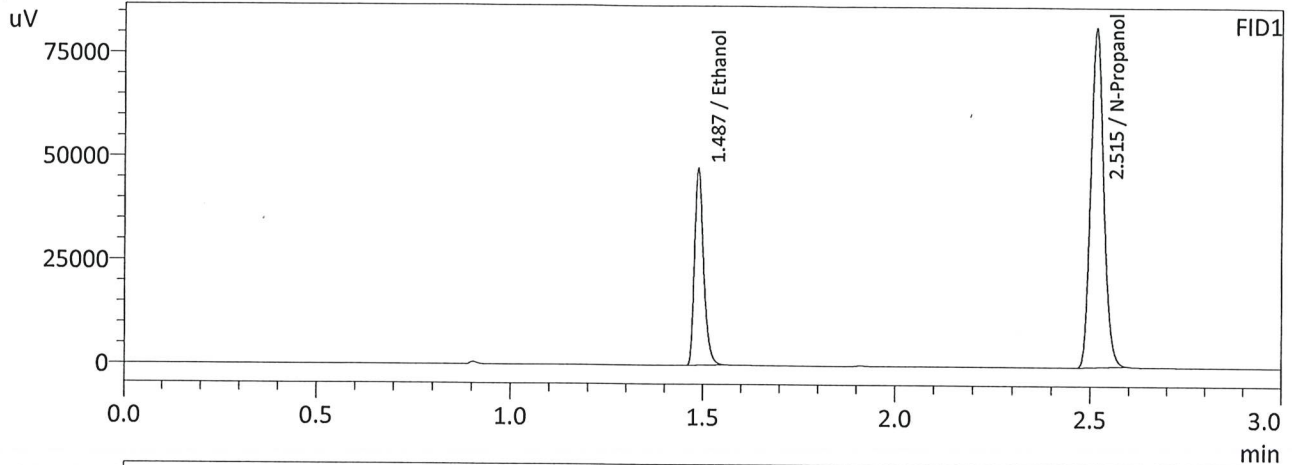
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0989	39326	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193171	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0993	42950	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210157	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 9/27/2024 10:19:44 AM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

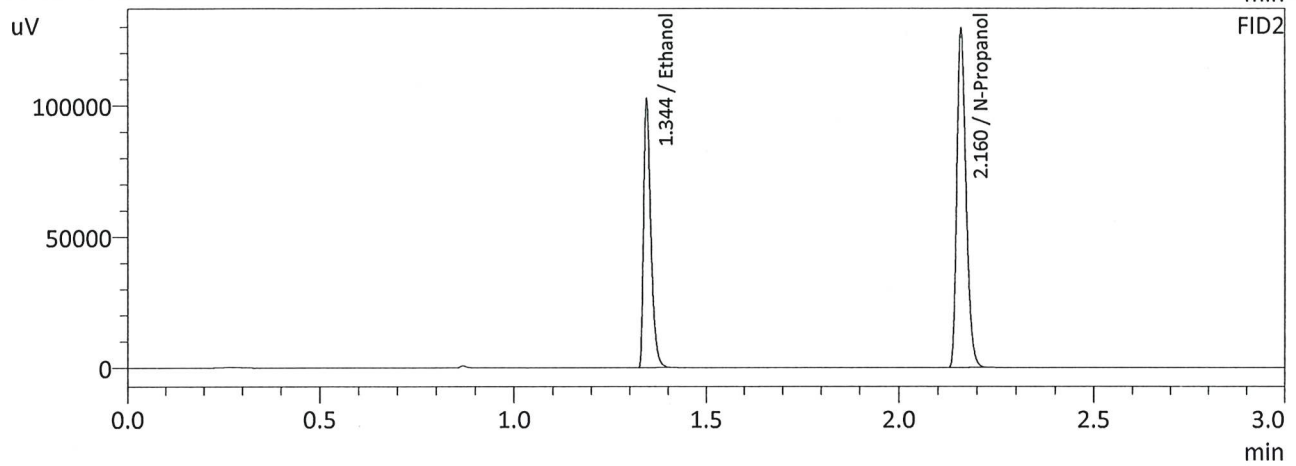
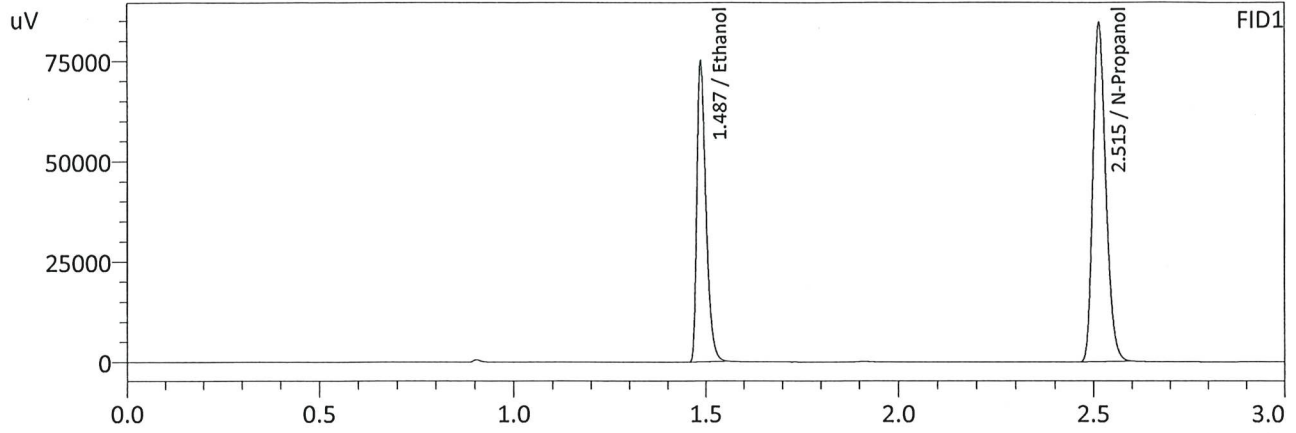
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1978	78503	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190716	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1977	85675	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207782	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 9/27/2024 10:28:07 AM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

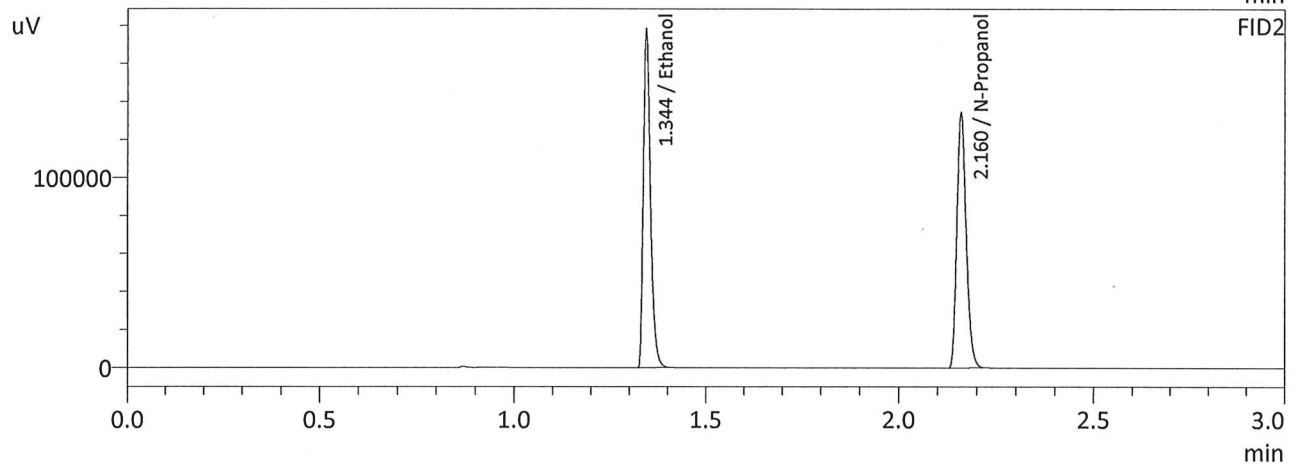
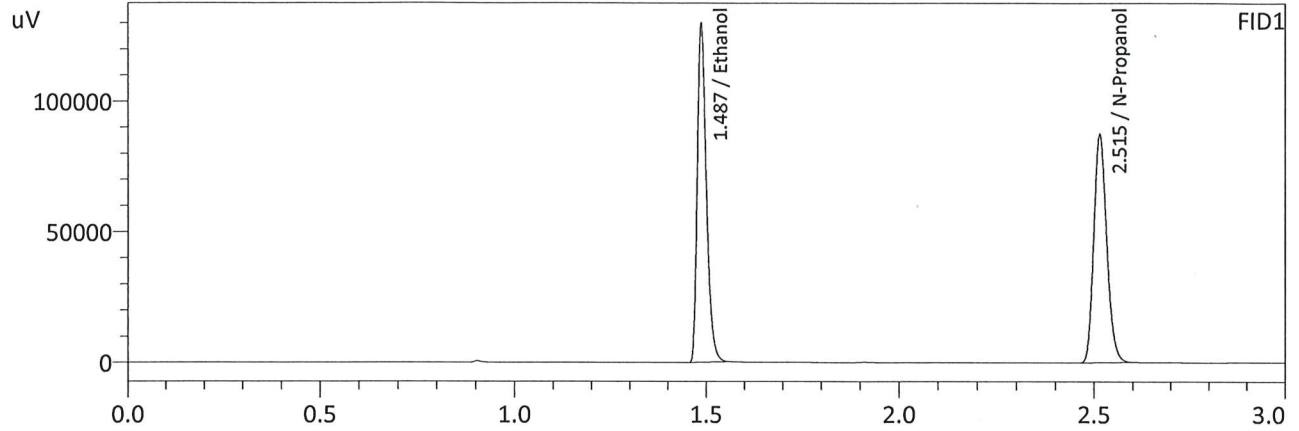
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3011	123596	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196607	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3009	134884	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214017	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 9/27/2024 10:35:50 AM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

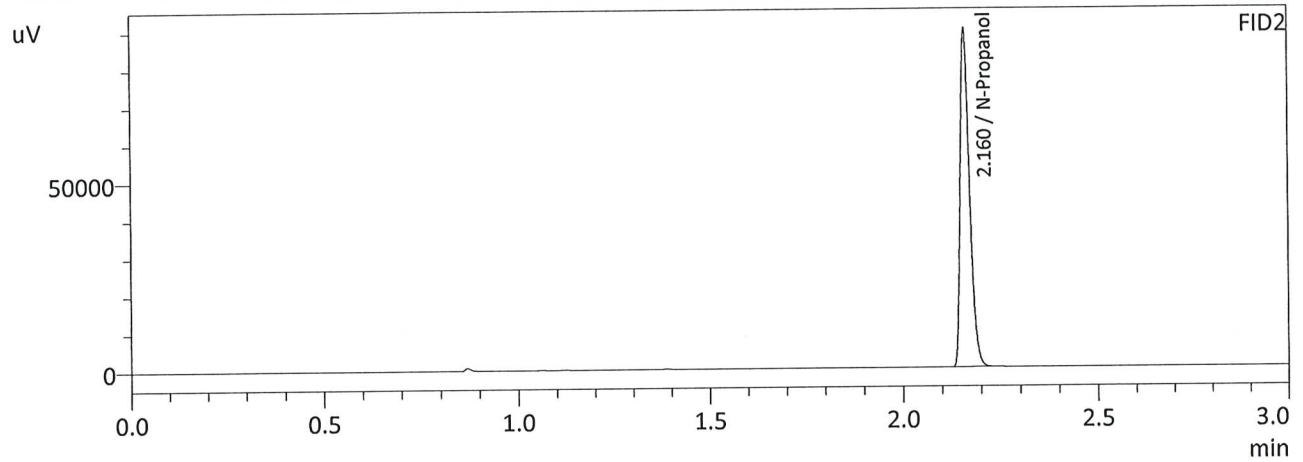
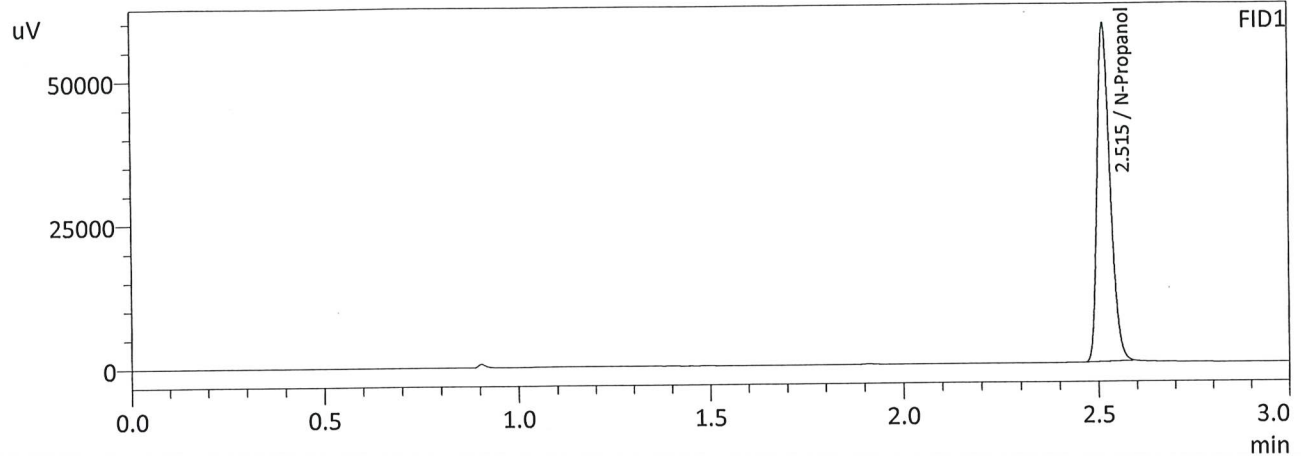
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5002	213496	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203857	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5002	233123	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221791	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 9/27/2024 10:44:39 AM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_240927_GG.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	137618	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	149724	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

6

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 240927 GG.gcm
2	0.100	0:Unknown	2	ALCOHOL 240927 GG.gcm
3	0.200	0:Unknown	3	ALCOHOL 240927 GG.gcm
4	0.300	0:Unknown	4	ALCOHOL 240927 GG.gcm
5	0.500	0:Unknown	5	ALCOHOL 240927 GG.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 240927 GG.gcm

W

Meridian Blood Alcohol Analysis Batch Table

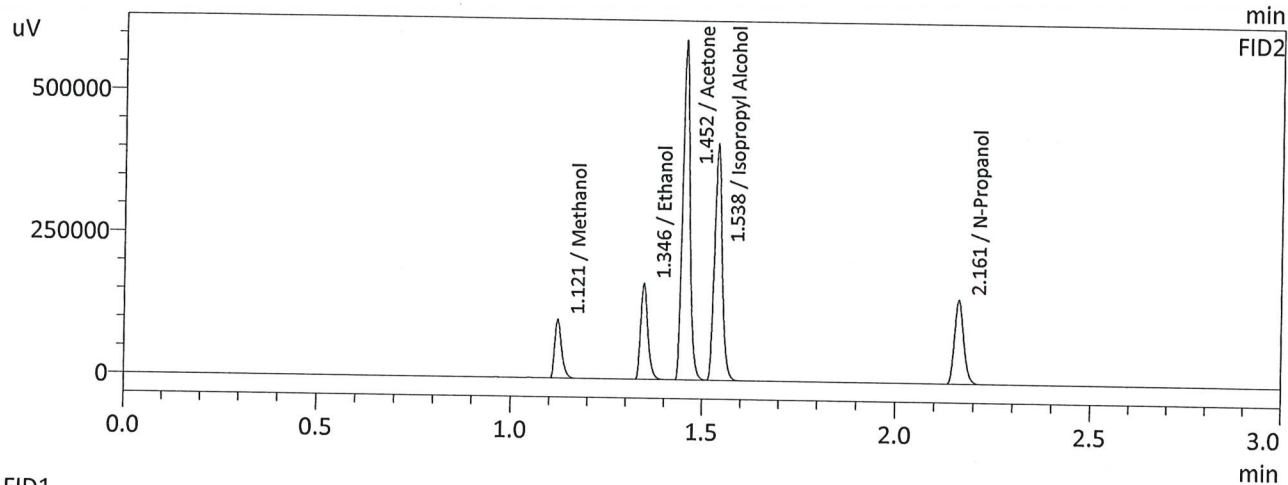
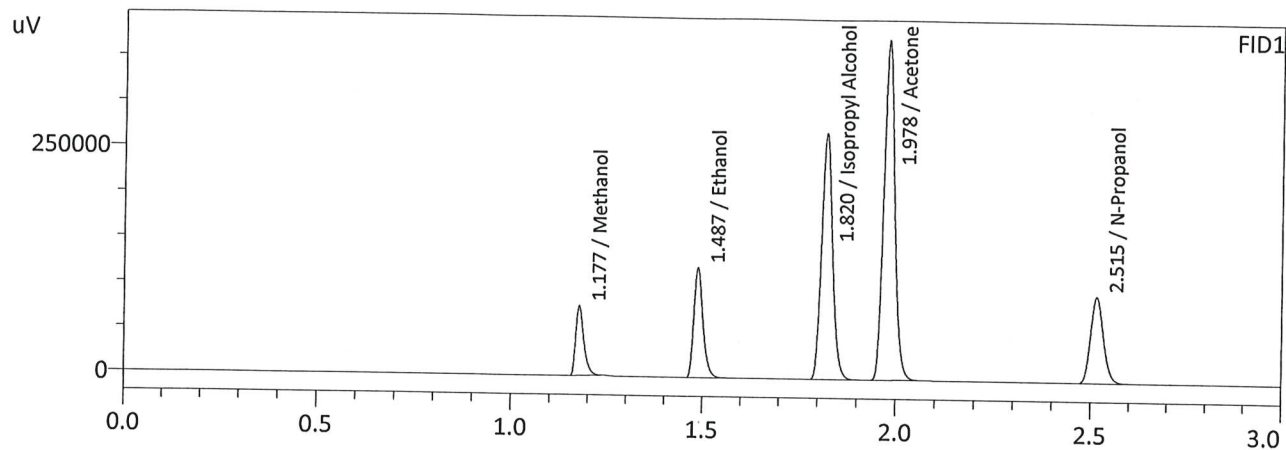
Shimadzu GC-2030 Serial #C12255750548
 Shimadzu HS-20 Serial #C12595800409
 Lab Solutions Database Software Ver. 6.111
 Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 240927 GG.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240927 GG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240927 GG.gcm
6	0.08 QA	0:Unknown	0	ALCOHOL 240927 GG.gcm
7	M2024-4095-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
8	M2024-4095-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
9	M2024-3920-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
10	M2024-3920-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
11	M2024-3924-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
12	M2024-3924-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
13	M2024-3951-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
14	M2024-3951-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
15	M2024-3952-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
16	M2024-3952-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
17	M2024-3953-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
18	M2024-3953-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
19	M2024-3986-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
20	M2024-3986-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
21	M2024-3991-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
22	M2024-3991-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
23	M2024-4001-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
24	M2024-4001-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
27	M2024-4012-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
28	M2024-4012-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
29	M2024-4013-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
30	M2024-4013-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
31	M2024-4015-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
32	M2024-4015-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
33	M2024-4016-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
34	M2024-4016-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
35	M2024-4017-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
36	M2024-4017-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
37	M2024-4049-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
38	M2024-4049-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
39	M2024-4057-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
40	M2024-4057-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
41	M2024-4058-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
42	M2024-4058-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
43	M2024-4059-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
44	M2024-4059-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
45	M2024-4087-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
46	M2024-4087-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
47	QC1-2	0:Unknown	0	ALCOHOL 240927 GG.gcm
48	QC1-2-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
49	M2024-4088-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
50	M2024-4088-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
51	M2024-4093-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
52	M2024-4093-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
53	M2024-4094-1	0:Unknown	0	ALCOHOL 240927 GG.gcm
54	M2024-4094-1-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
55	ETALDEHYDE LRAD16	0:Unknown	0	ALCOHOL 240927 GG.gcm
56	ETALDEHYDE LRAD165	0:Unknown	0	ALCOHOL 240927 GG.gcm
57	QC2-2	0:Unknown	0	ALCOHOL 240927 GG.gcm
58	QC2-2-B	0:Unknown	0	ALCOHOL 240927 GG.gcm
59	INT STD BLK	0:Unknown	0	ALCOHOL 240927 GG.gcm

This case is not reported. It will be re-extracted and re-analyzed on a separate run.
 9/30/24 BT

hr

Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 9/27/2024 11:36:12 AM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	114308	g/100cc
Ethanol	0.4327	201452	g/100cc
Isopropyl Alcohol	0.0000	528645	g/100cc
Acetone	0.0000	734747	g/100cc
N-Propanol	0.0000	222479	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	127888	g/100cc
Ethanol	0.4330	221303	g/100cc
Acetone	0.0000	803253	g/100cc
Isopropyl Alcohol	0.0000	574632	g/100cc
N-Propanol	0.0000	243396	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA			Analysis Date(s): 9/27/2024 12:00:01 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0795	0.0795	0.0000	0.0795	0.0015	0.0802
(g/100cc)	0.0810	0.0811	0.0001	0.0810		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

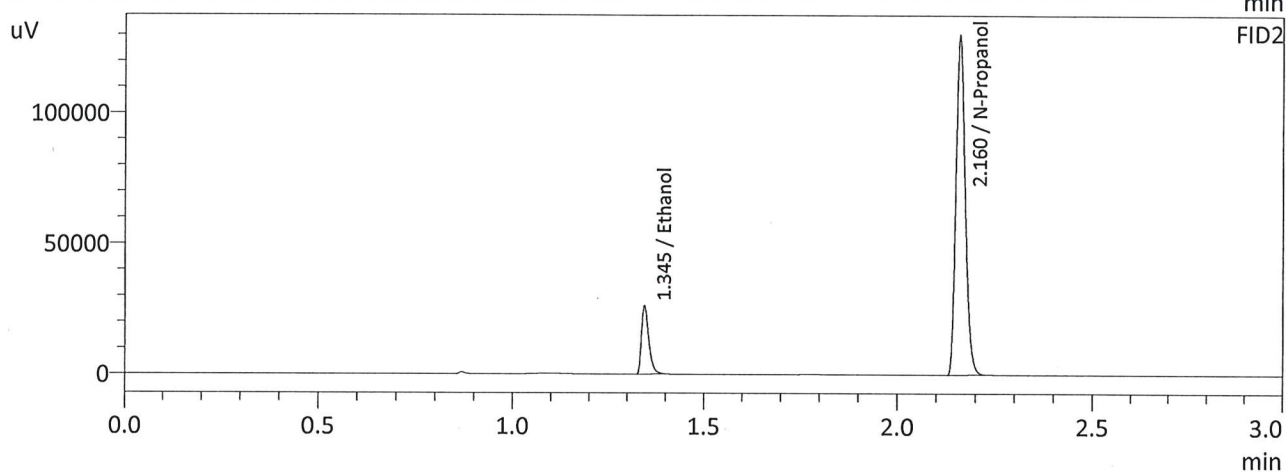
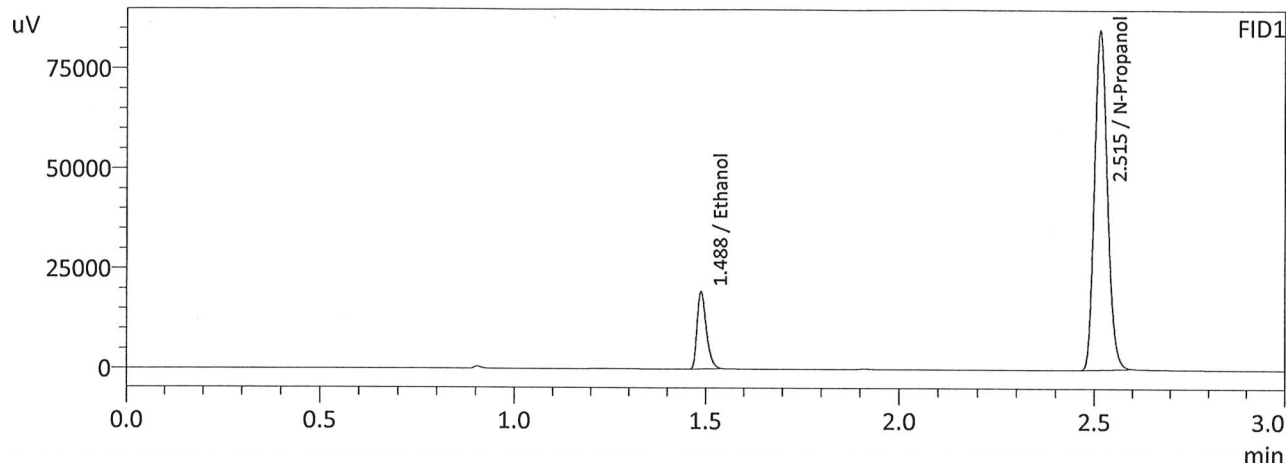
Refer To Instrument Method: ALCOHOL_240927_GG.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

	Reported Results
	0.080

Calibration and control data are stored centrally.

Sample Name : 0.08 QA
 Laboratory : Meridian
 Injection Date : 9/27/2024 12:00:01 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

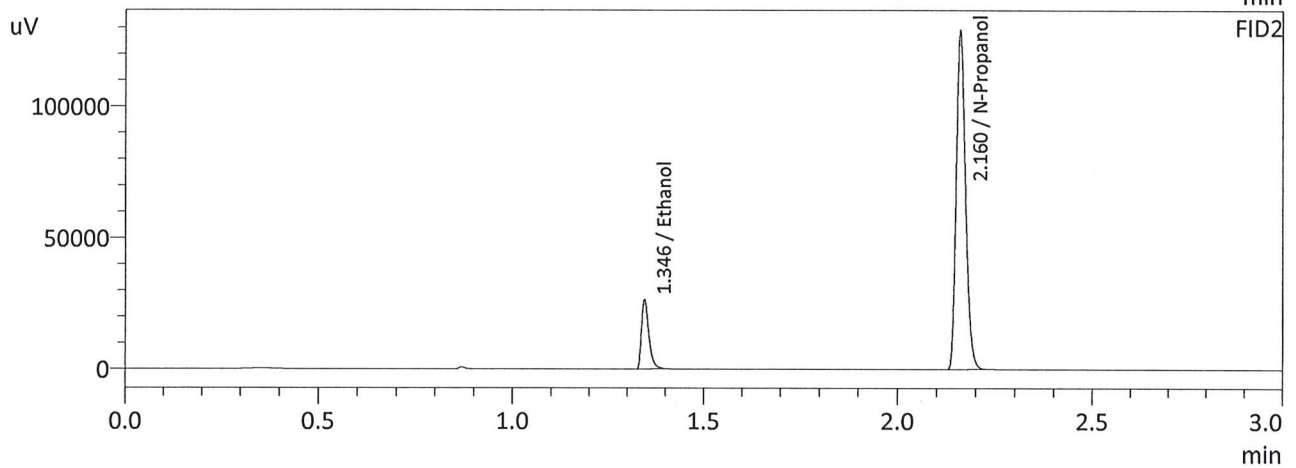
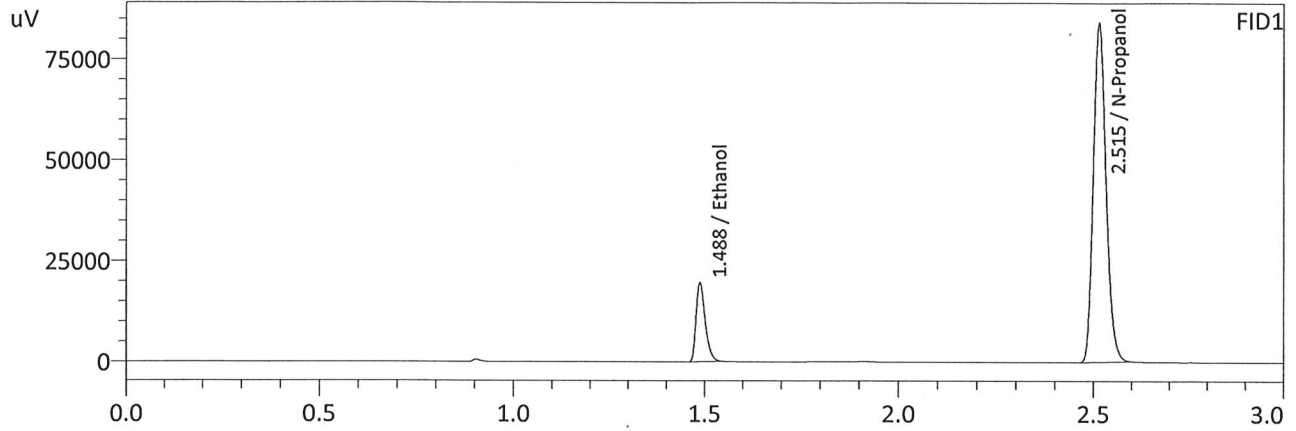
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0795	32172	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197695	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0795	34998	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215154	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.08 QA
 Laboratory : Meridian
 Injection Date : 9/27/2024 12:08:19 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	32553	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196265	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0811	35477	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213642	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1

Analysis Date(s): 9/27/2024 11:43:35 AM(-06:00)

	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0809	0.0811	0.0002	0.0810	0.0002	0.0809
(g/100cc)	0.0807	0.0809	0.0002	0.0808		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

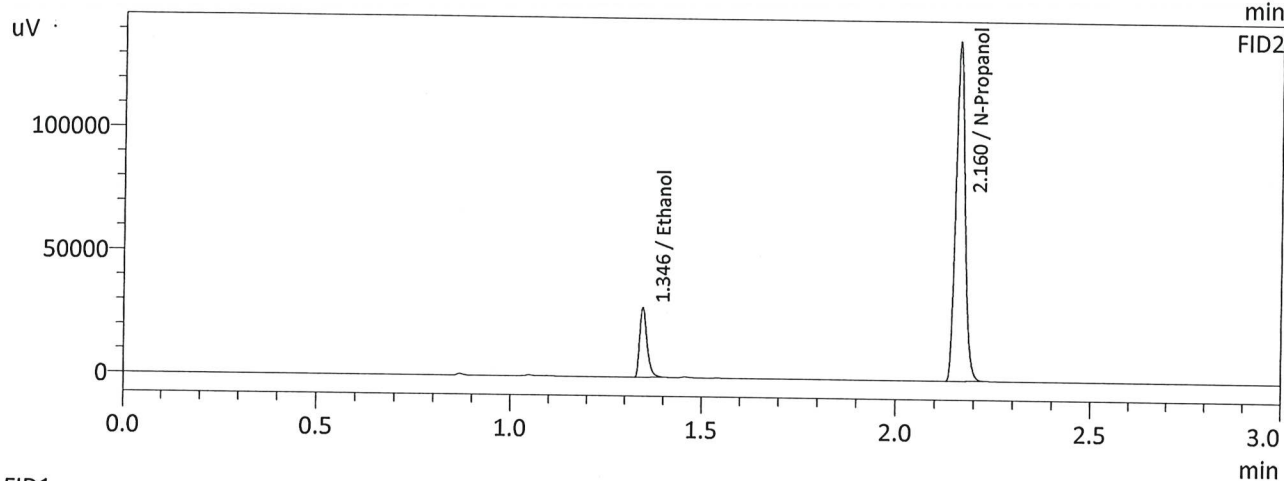
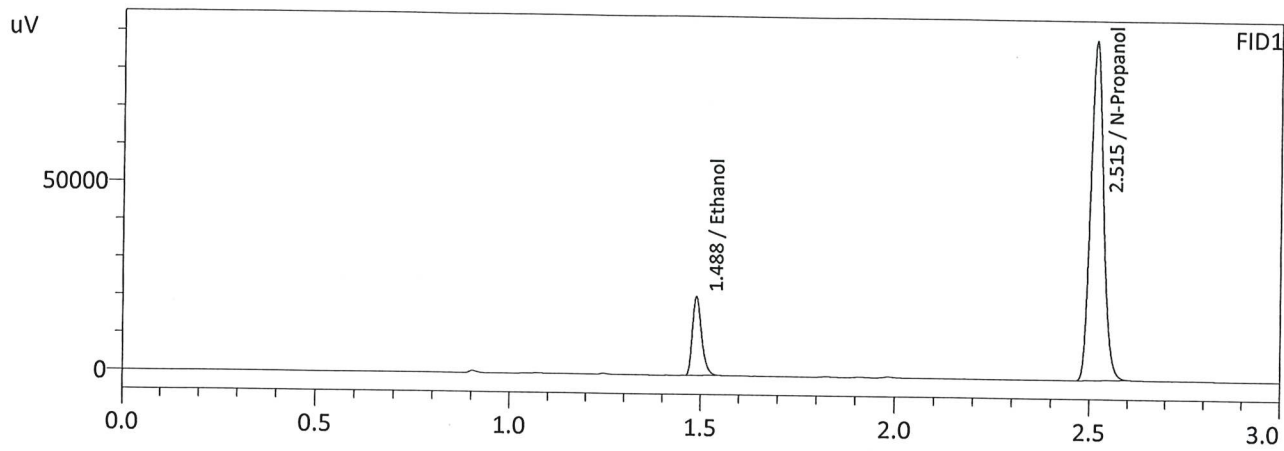
Refer To Instrument Method: ALCOHOL_240927_GG.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

	Reported Results
	0.080

Calibration and control data are stored centrally.

Sample Name : QC-1-1
 Laboratory : Meridian
 Injection Date : 9/27/2024 11:43:35 AM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

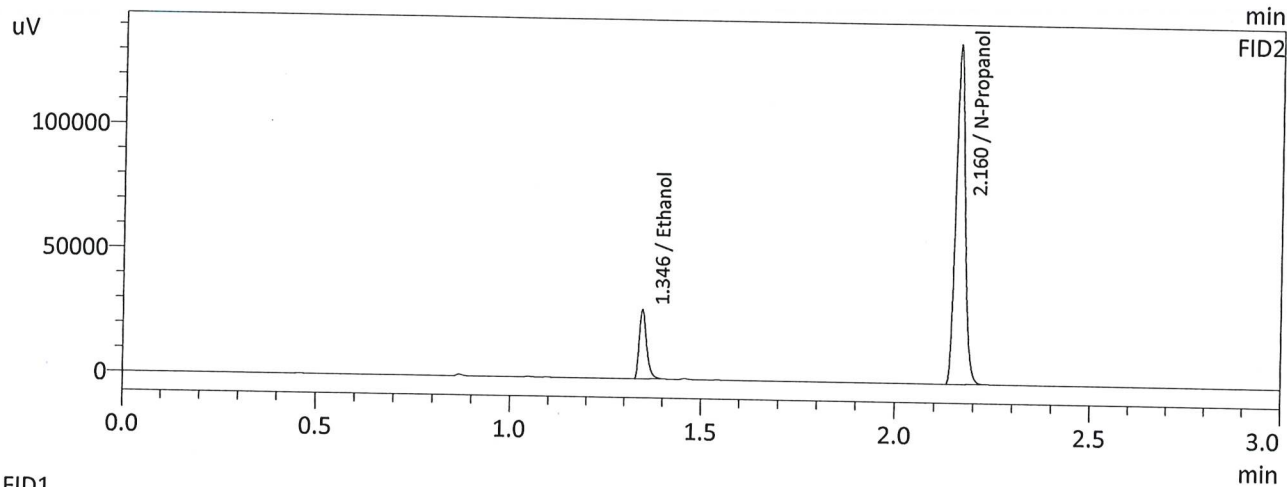
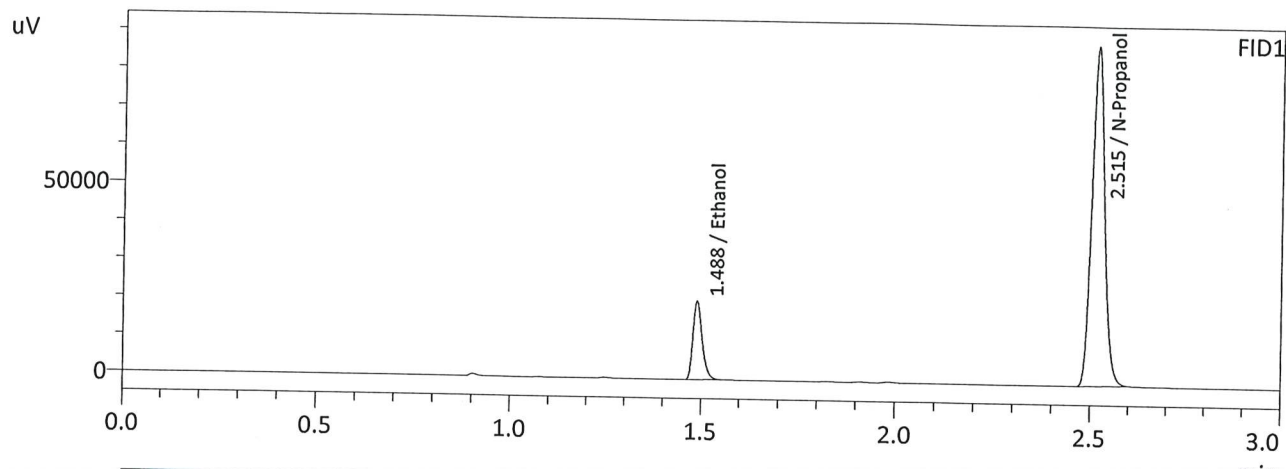
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0809	34718	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209339	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0811	37868	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228090	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 9/27/2024 11:52:27 AM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	34306	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207397	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0809	37394	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225883	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 9/27/2024 5:40:58 PM(-06:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0821	0.0821	0.0000	0.0821	0.0001	0.0821
(g/100cc)	0.0822	0.0823	0.0001	0.0822		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240927_GG.gcm

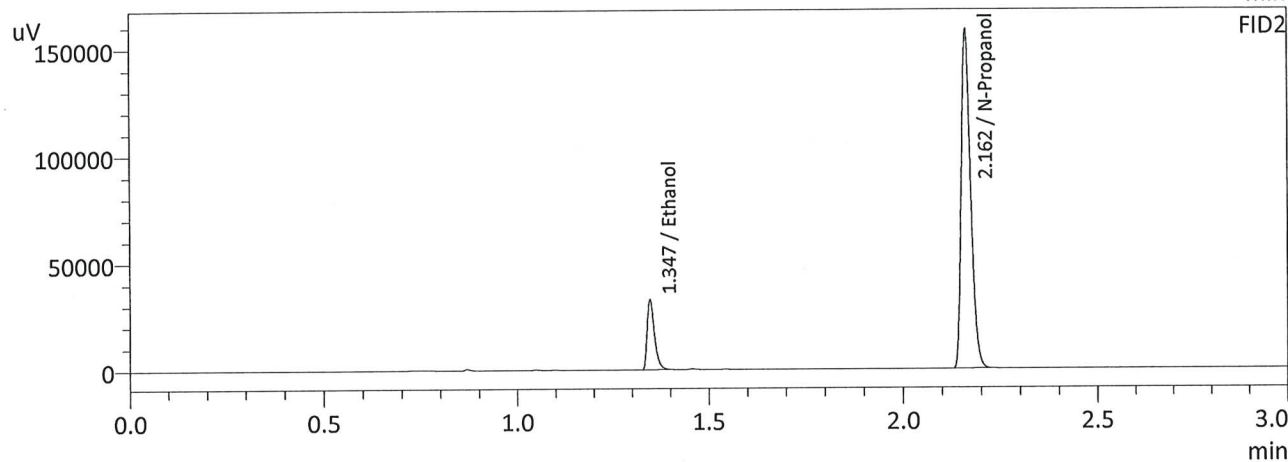
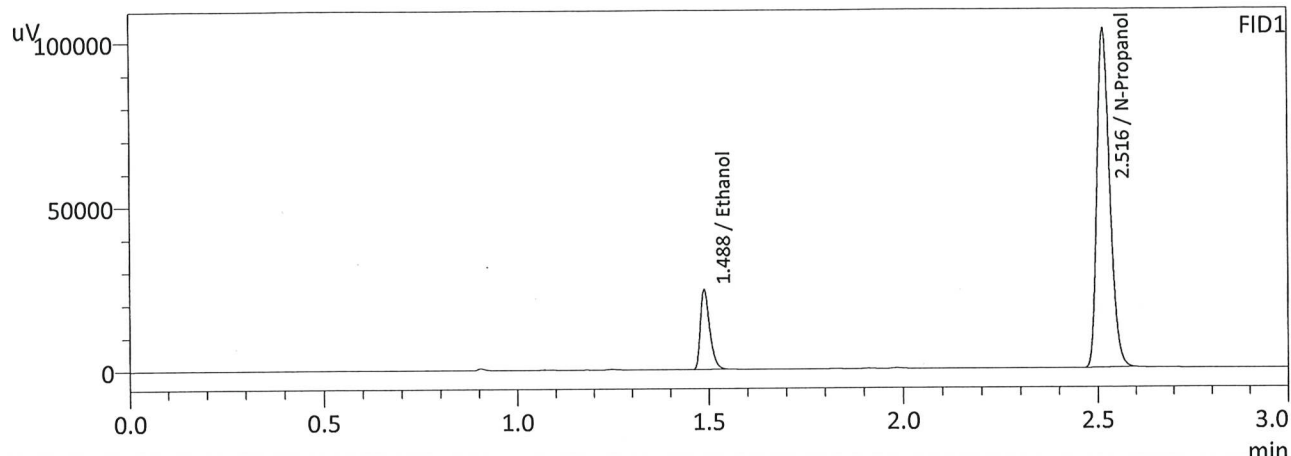
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

Reported Results	
0.082	

Calibration and control data are stored centrally.

W

Sample Name : QC1-2
 Laboratory : Meridian
 Injection Date : 9/27/2024 5:40:58 PM
 Vial # : 47
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

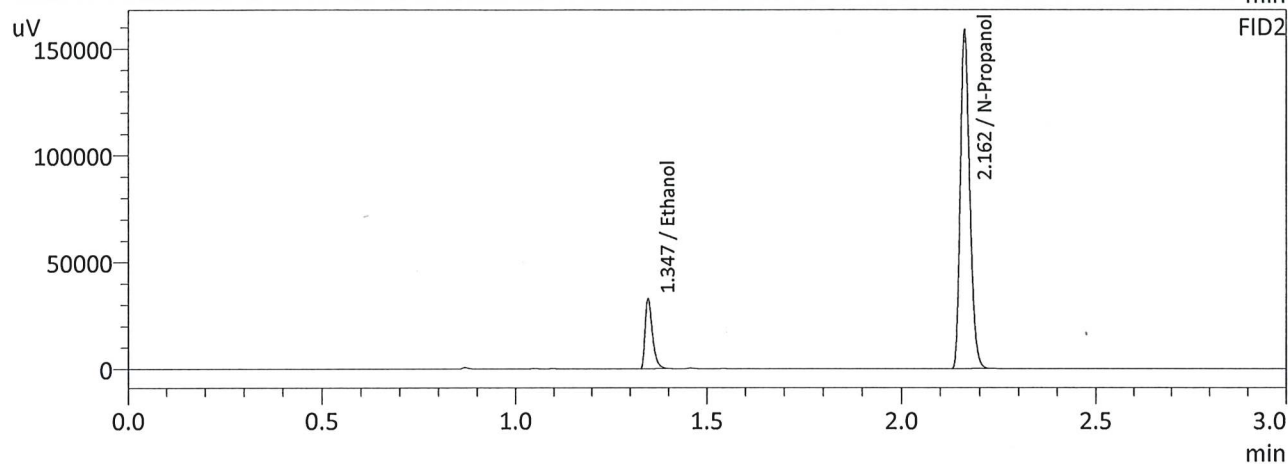
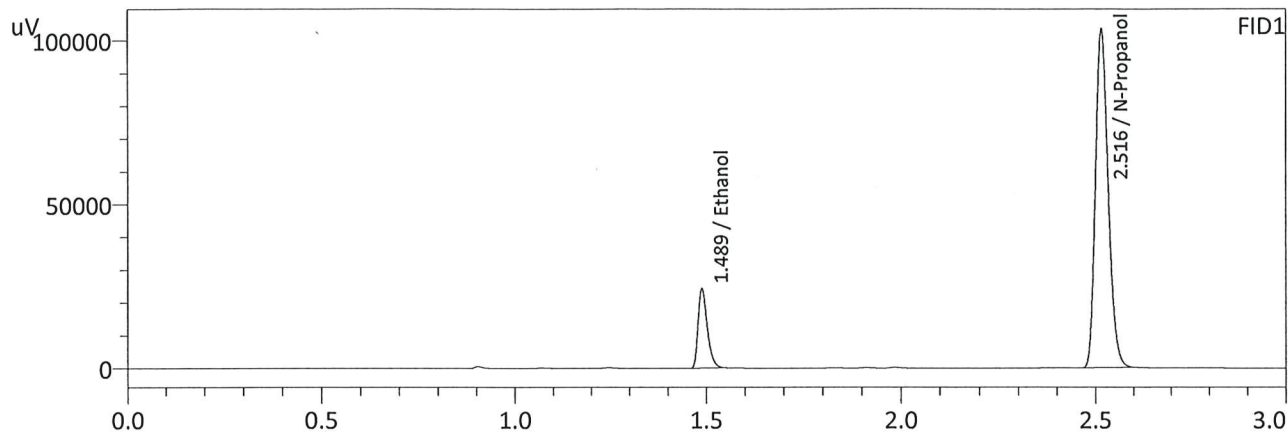
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	40408	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	240158	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	44022	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	261890	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

nr

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : 9/27/2024 5:49:42 PM
 Vial # : 48
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	40529	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	240587	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	44187	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	262062	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1		Analysis Date(s): 9/27/2024 2:42:52 PM(-06:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.2089	0.2084	0.0005	0.2086	0.0026	0.2099
(g/100cc)	0.2113	0.2112	0.0001	0.2112		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

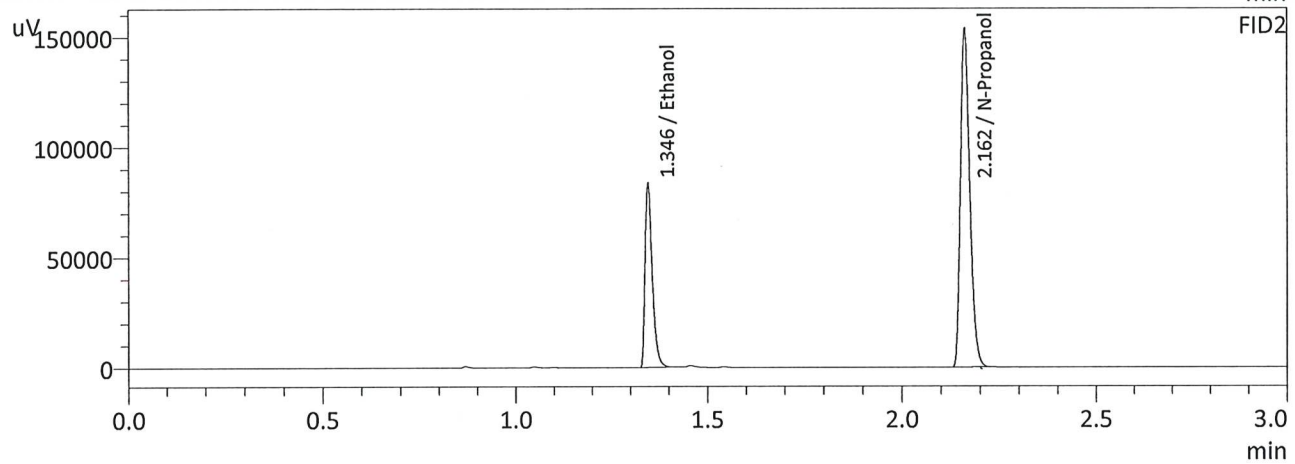
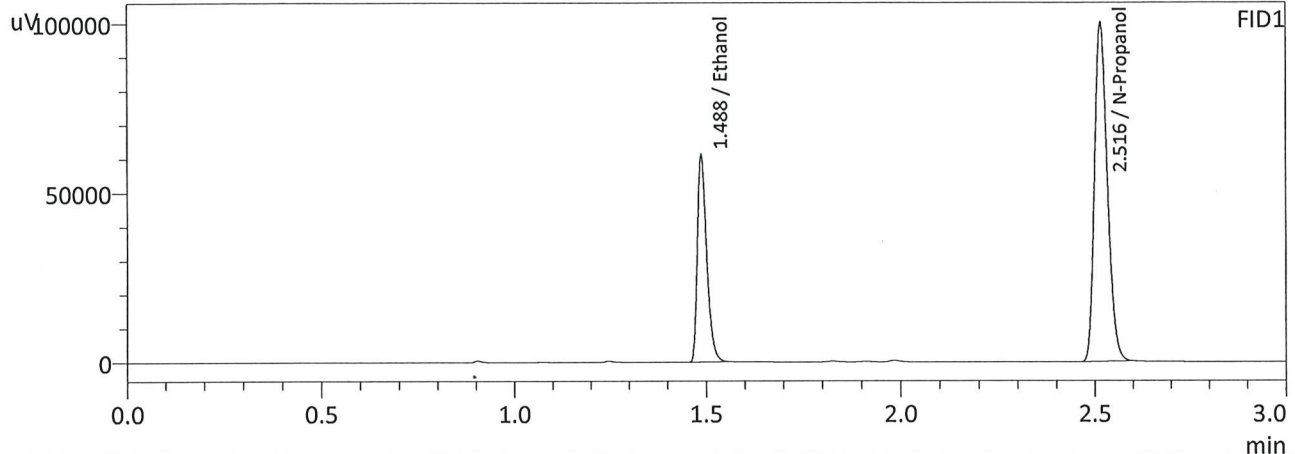
Refer To Instrument Method: ALCOHOL_240927_GG.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.209	0.198	0.220	0.011

Reported Results	
0.209	

Calibration and control data are stored centrally.

Sample Name : QC-2-1
 Laboratory : Meridian
 Injection Date : 9/27/2024 2:42:52 PM
 Vial # : 25
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

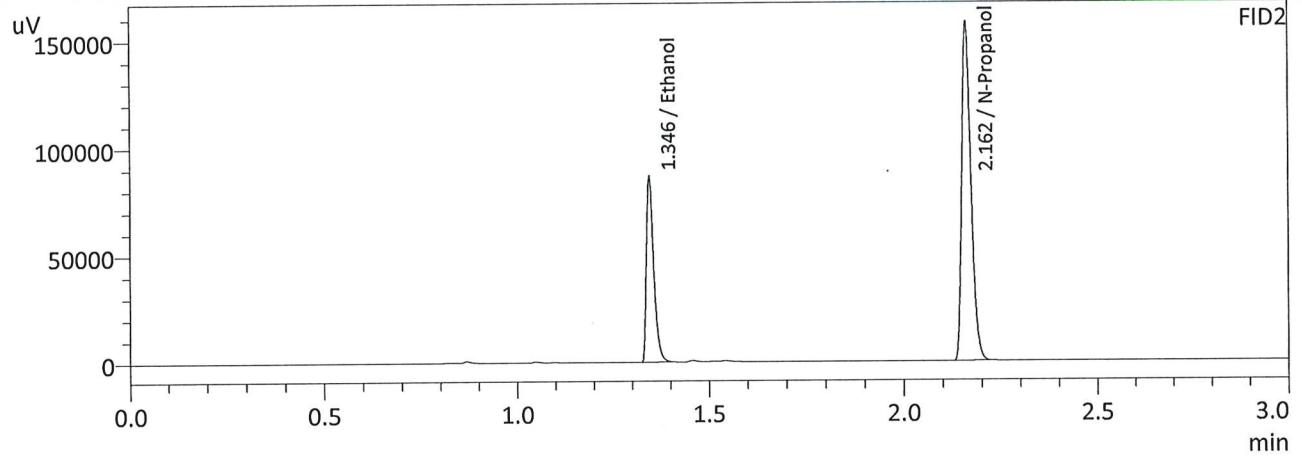
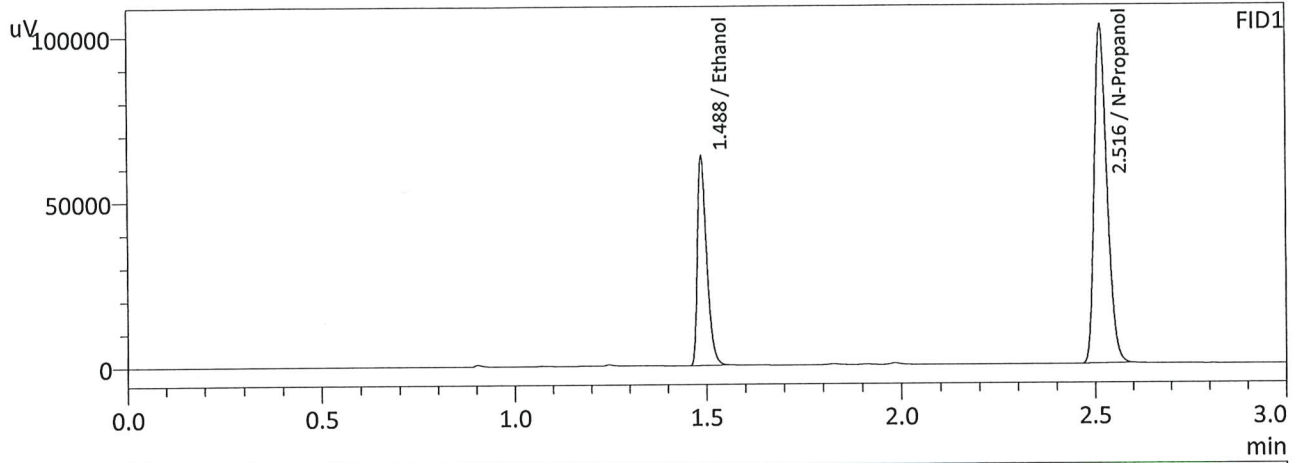
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2089	101192	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232635	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2084	110464	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	253995	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 9/27/2024 2:50:40 PM
 Vial # : 26
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2113	105130	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	238976	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2112	114864	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	260662	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2		Analysis Date(s): 9/27/2024 7:02:11 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2067	0.2071	0.0004	0.2069	0.0015	0.2076
(g/100cc)	0.2085	0.2083	0.0002	0.2084		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

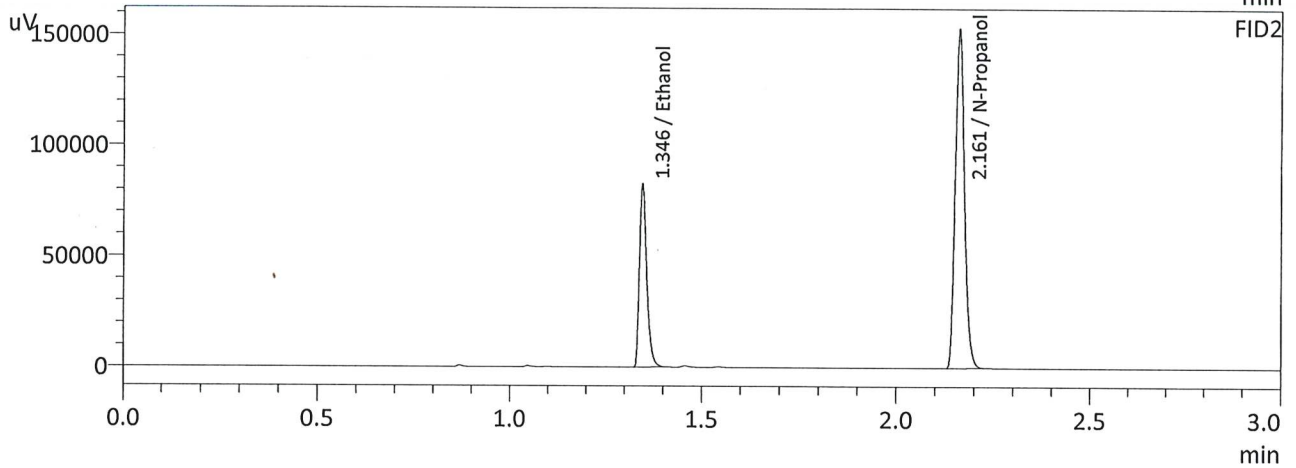
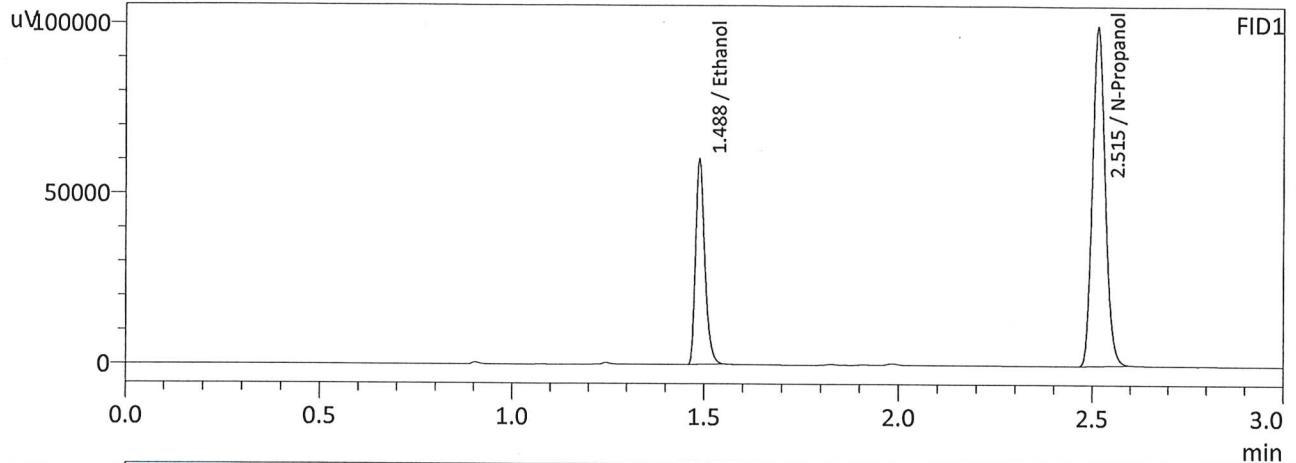
Refer To Instrument Method: ALCOHOL_240927_GG.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.207	0.196	0.218	0.011

	Reported Results
	0.207

Calibration and control data are stored centrally.

Sample Name : QC2-2
 Laboratory : Meridian
 Injection Date : 9/27/2024 7:02:11 PM
 Vial # : 57
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

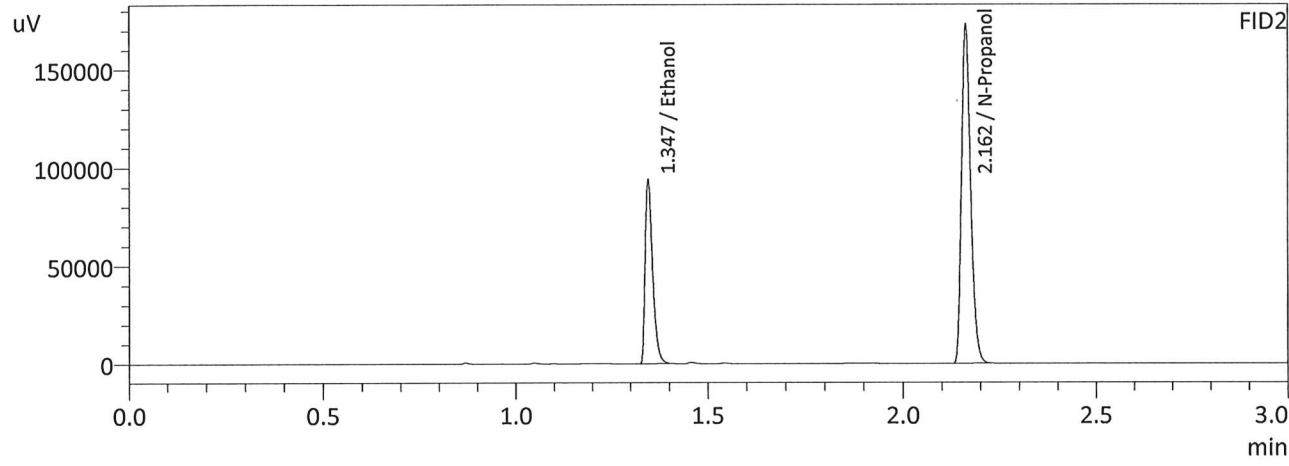
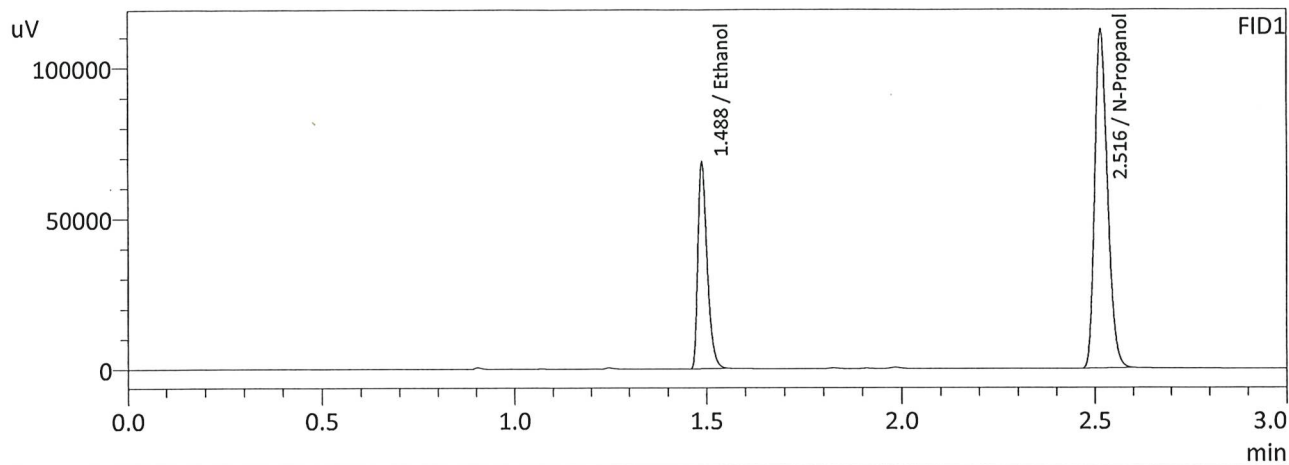
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2067	99966	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232365	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2071	109359	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	253089	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC2-2-B
 Laboratory : Meridian
 Injection Date : 9/27/2024 7:09:38 PM
 Vial # : 58
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



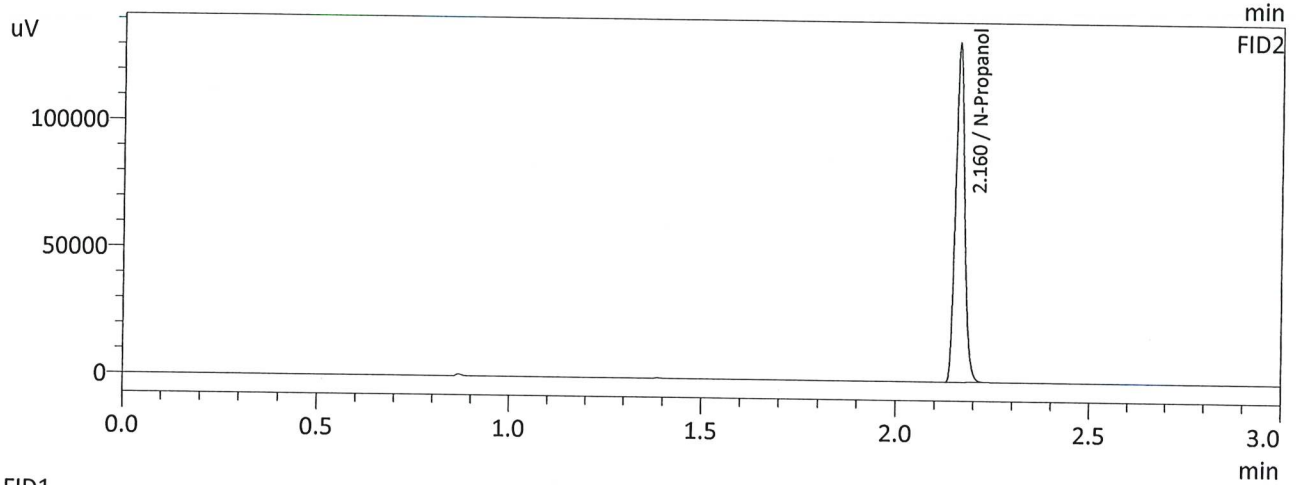
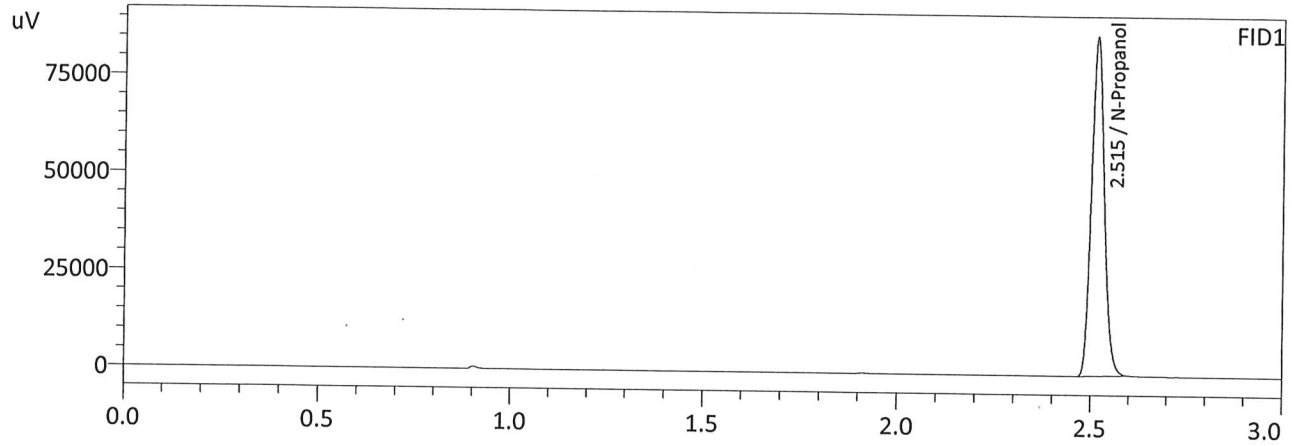
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2085	113480	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	261476	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2083	124031	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	285319	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
 Laboratory : Meridian
 Injection Date : 9/27/2024 11:28:51 AM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_240927_GG.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

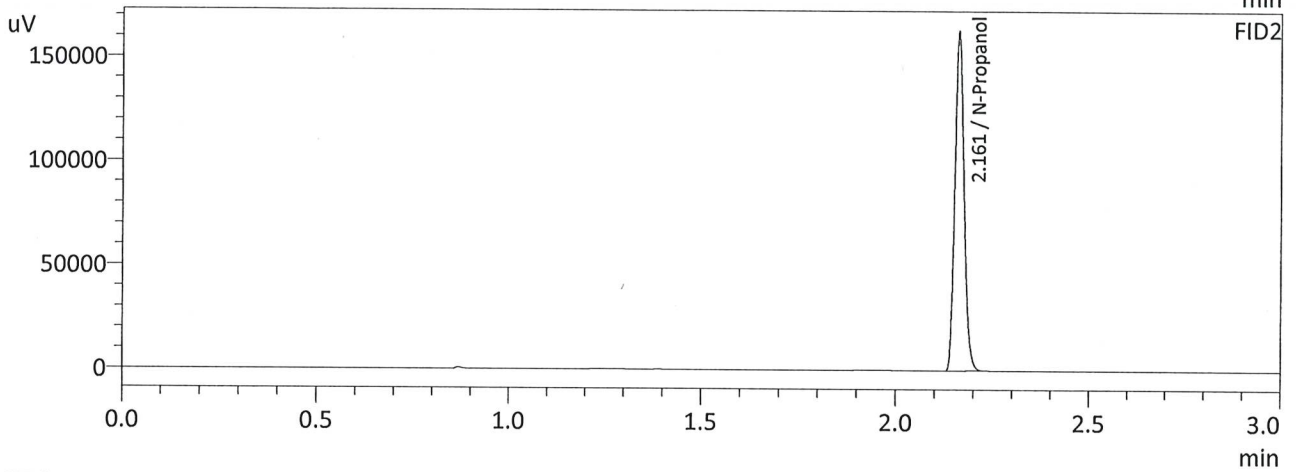
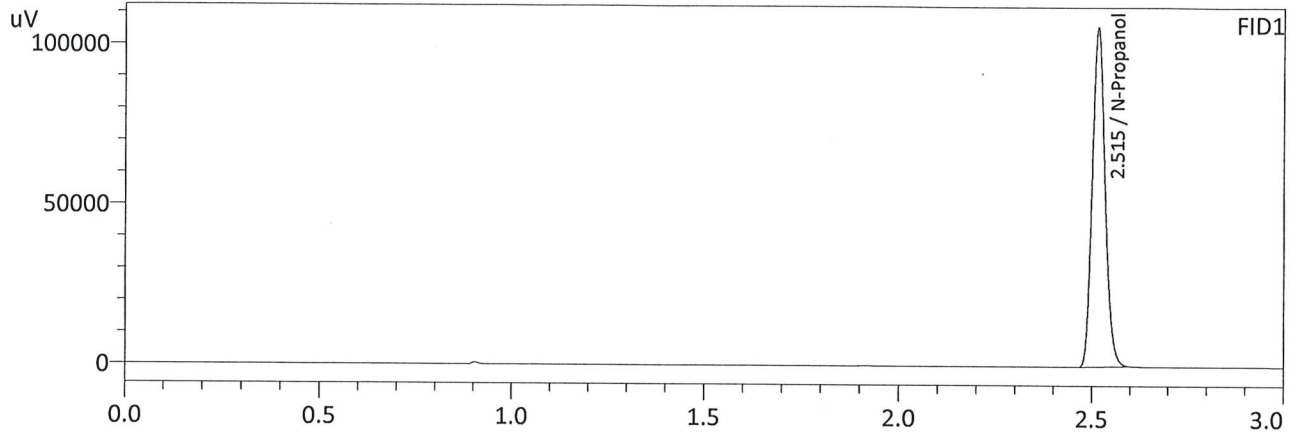
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203322	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221453	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 9/27/2024 7:17:02 PM
 Vial # : 59
 Method Filename : Default Project - ALCOHOL_240927_GG.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	246827	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	269295	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W