REVIEWED
By Melissa (Nikka) Bradley at 9:30 am, Jul 26, 2024 NB

7/26/2024

Worklist: 6884

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-2948	1	BCK	Alcohol Analysis
M2024-2968	1	BCK	Alcohol Analysis
M2024-2975	1	BCK	Alcohol Analysis
M2024-2976	1	BCK	Alcohol Analysis
M2024-2977	1	BCK	Alcohol Analysis
M2024-2980	1	BCK	Alcohol Analysis
M2024-2997	2	UCK	Alcohol Analysis
M2024-2998	1	BCK	Alcohol Analysis
M2024-3021	1	BCK	Alcohol Analysis
M2024-3022	1	BCK	Alcohol Analysis
M2024-3029	1	BCK	Alcohol Analysis
M2024-3035	1	BCK	Alcohol Analysis
M2024-3036	1	BCK	Alcohol Analysis
M2024-3037	1	BCK	Alcohol Analysis
M2024-3038	1	BCK	Alcohol Analysis
M2024-3040	1	BCK	Alcohol Analysis
M2024-3041	1	BCK	Alcohol Analysis
M2024-3066	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):** 07/25/2024 | **Calibration Date:** *07/25/2024* | **Worklist #:** 6884

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0796 g/100cc
					0.0842 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2067 g/100cc
					0.2089 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		Column 1	0.99990	Column2	0.99989

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0515	0.0518	0.0003	0.0516
100	0.100	0.090 - 0.110	0.0992	0.0992	0	0.0992
200	0.200	0.180 - 0.220	0.1974	0.1972	0.0002	0.1973
300	0.300	0.270 - 0.330	0.3017	0.3014	0.0003	0.3015
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4999	0.5001	0.0002	0.5

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 #:	6884	Run Date(s):	07/25/2024

Internal Standard Solution:	Prep Date:	5/6/2024	Exp Date:	11/6/2024

Sample Name	Column 1 Value	Column 2 Value
0.080	190756	206446
0.080	198106	214907
QC1	200675	217446
QC1	191998	207724
QC1	234019	253958
QC1	234072	254274
QC1		
QC1		
QC2	215227	233523
QC2	215734	234107
QC2	242453	263191
QC2	250000	271653
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	217304.0	173843.2	260764.8
Column 2	235722.9	188578.3	282867.5

6V

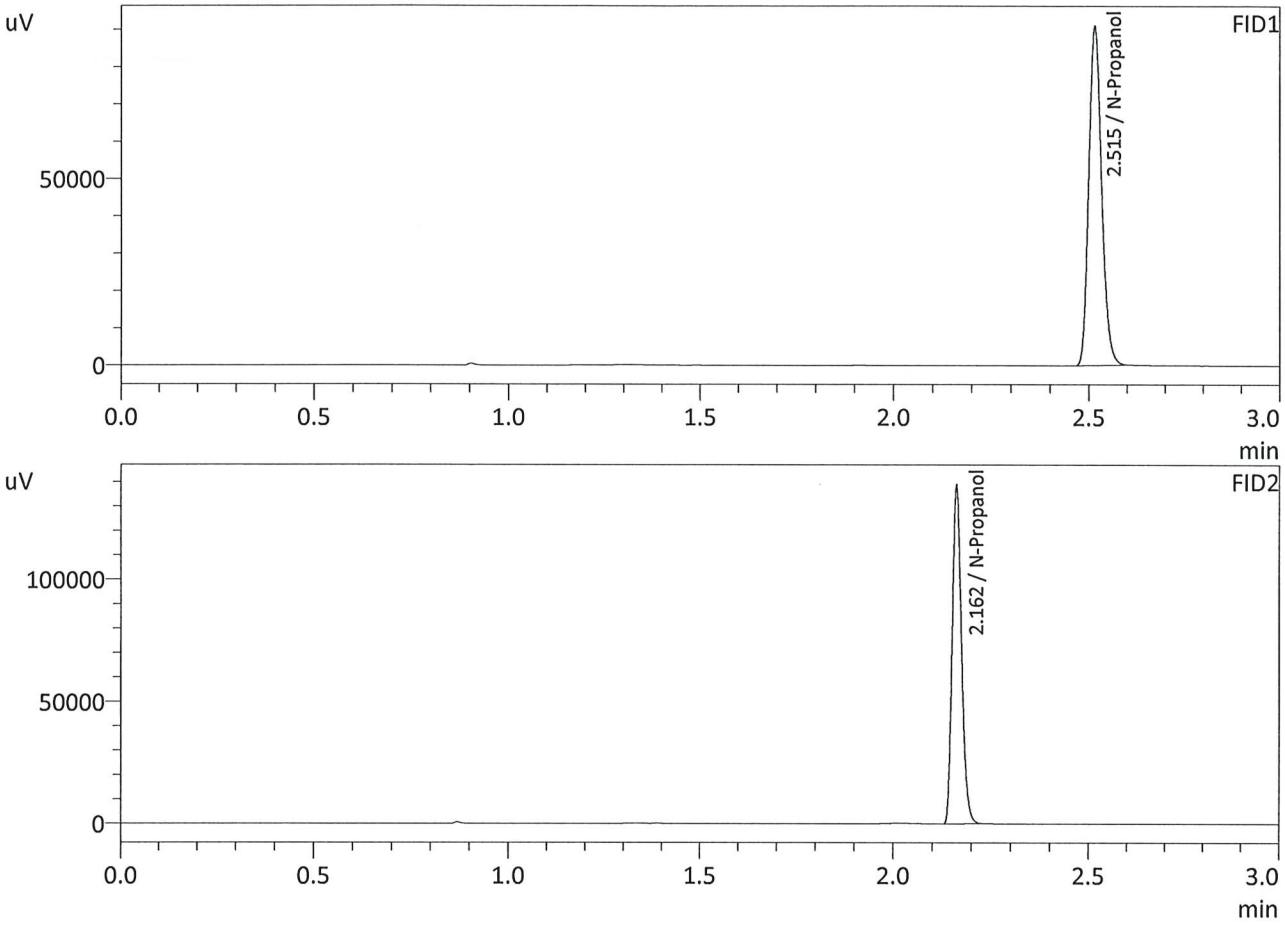
Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 240725 GG.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240725 GG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240725 GG.gcm
6	0.08 QA	0:Unknown	0	ALCOHOL 240725 GG.gcm
7	M2024-2948-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
8	M2024-2948-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
9	M2024-2968-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
10	M2024-2968-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
11	M2024-2975-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
12	M2024-2975-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
13	M2024-2976-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
14	M2024-2976-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
15	M2024-2977-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
16	M2024-2977-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
17	M2024-2980-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
18	M2024-2980-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
19	M2024-2997-2	0:Unknown	0	ALCOHOL 240725 GG.gcm
20	M2024-2997-2-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
21	M2024-2998-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
22	M2024-2998-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
23	M2024-3021-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
24	M2024-3021-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
27	M2024-3022-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
28	M2024-3022-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
29	M2024-3029-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
30	M2024-3029-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
31	M2024-3035-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
32	M2024-3035-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
33	M2024-3036-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
34	M2024-3036-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
35	M2024-3037-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
36	M2024-3037-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
37	M2024-3038-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
38	M2024-3038-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
39	M2024-3040-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
40	M2024-3040-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
41	M2024-3041-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
42	M2024-3041-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
43	M2024-3066-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
44	M2024-3066-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
45	QC1-2	0:Unknown	0	ALCOHOL 240725 GG.gcm
46	QC1-2-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
47	QC2-2	0:Unknown	0	ALCOHOL 240725 GG.gcm
48	QC2-2-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
49	INT STD BLK	0:Unknown	0	ALCOHOL 240725 GG.gcm

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 7/25/2024 6:21:24 PM
Vial # : 49
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



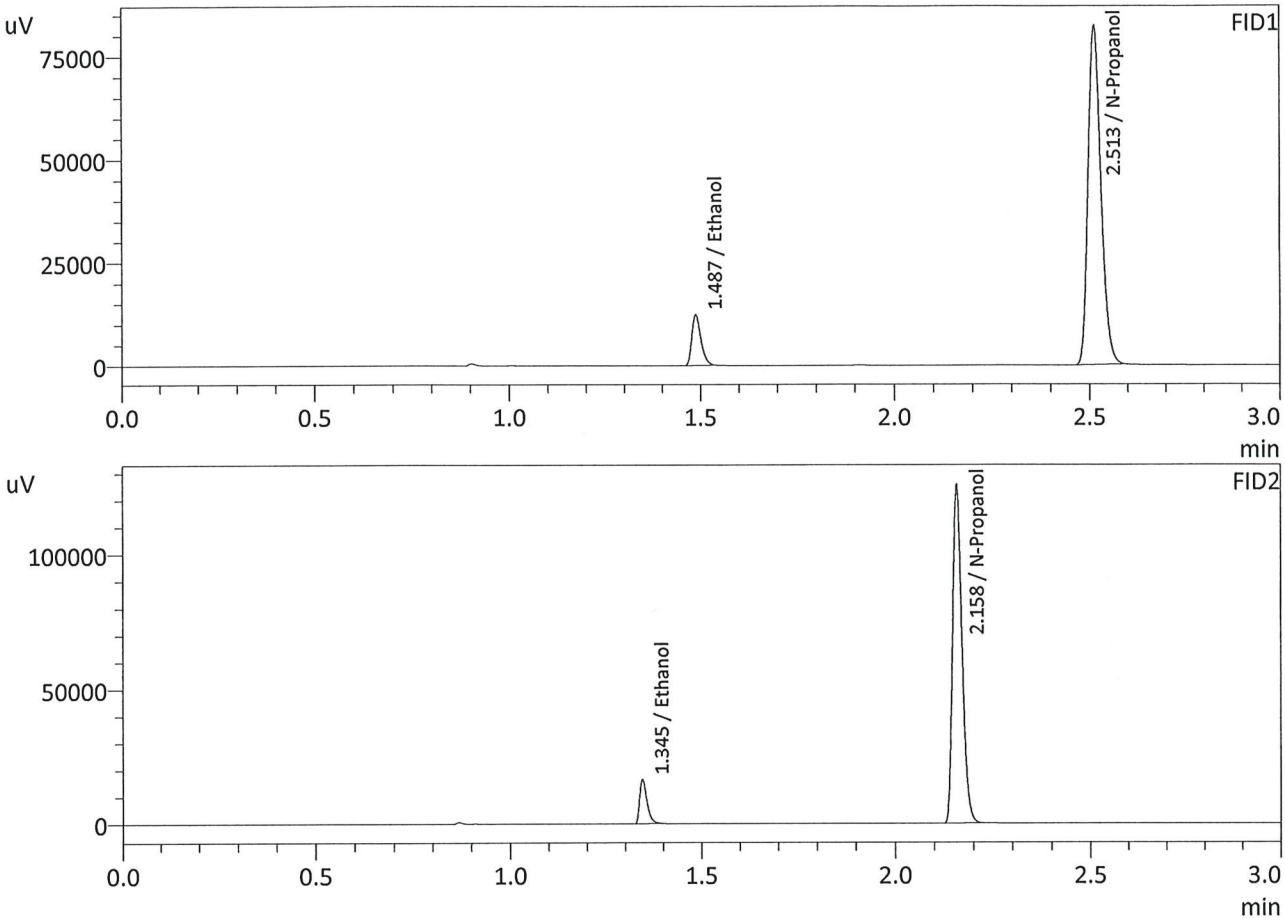
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212041	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	230016	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 7/25/2024 10:28:51 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



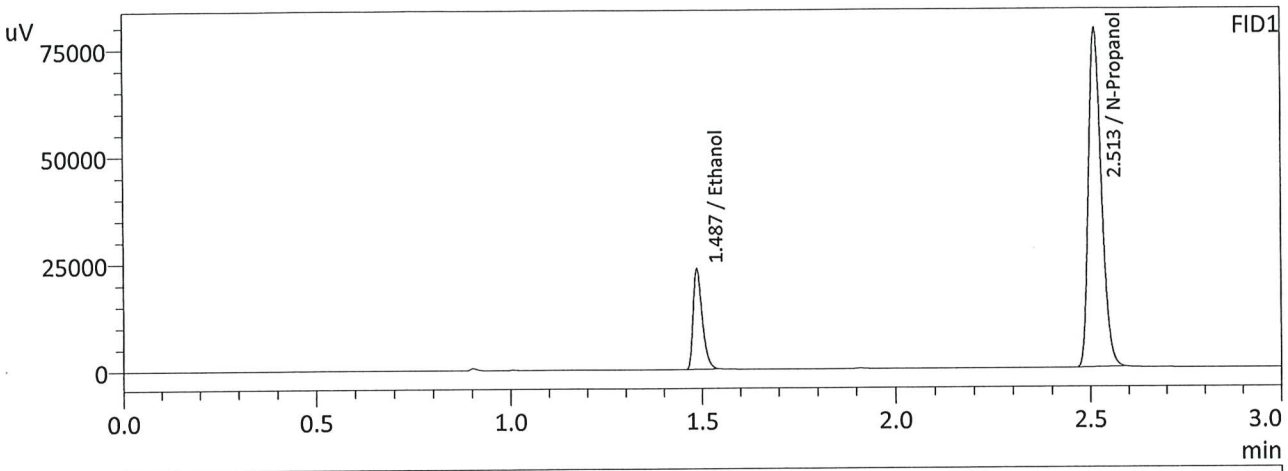
FID1

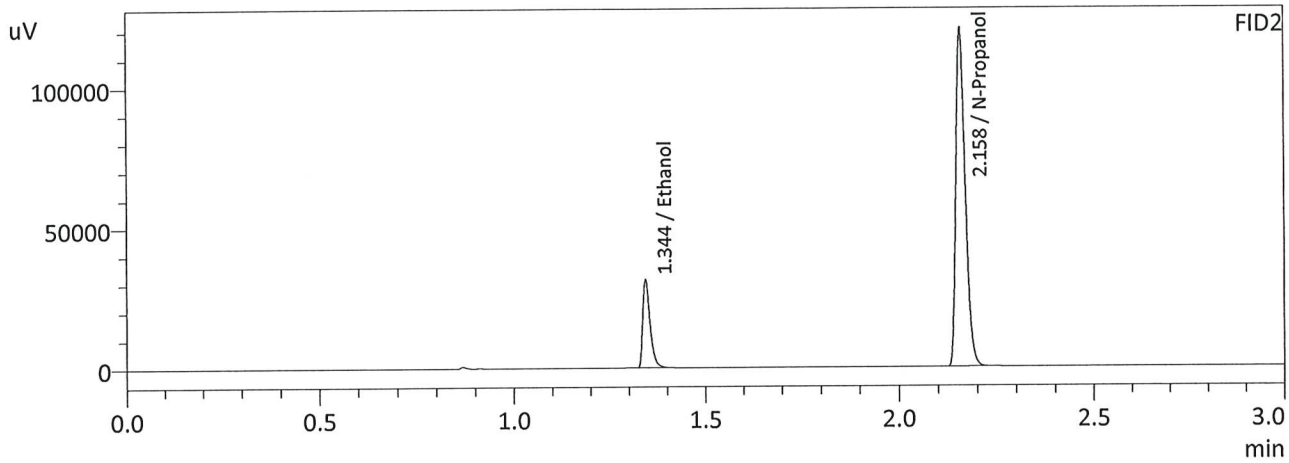
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0515	20386	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192005	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0518	22039	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207963	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 7/25/2024 10:36:11 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

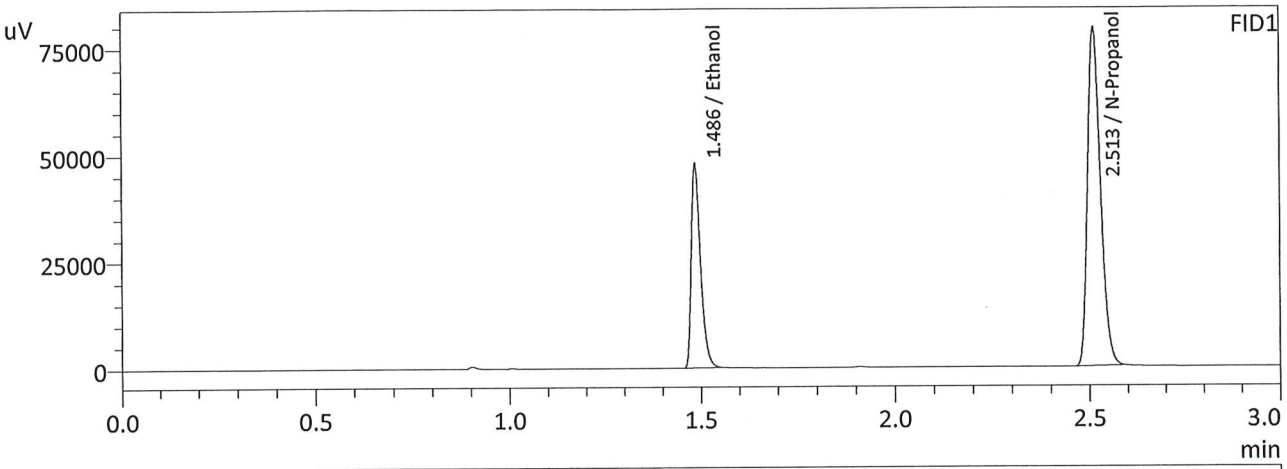
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0992	38868	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184260	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

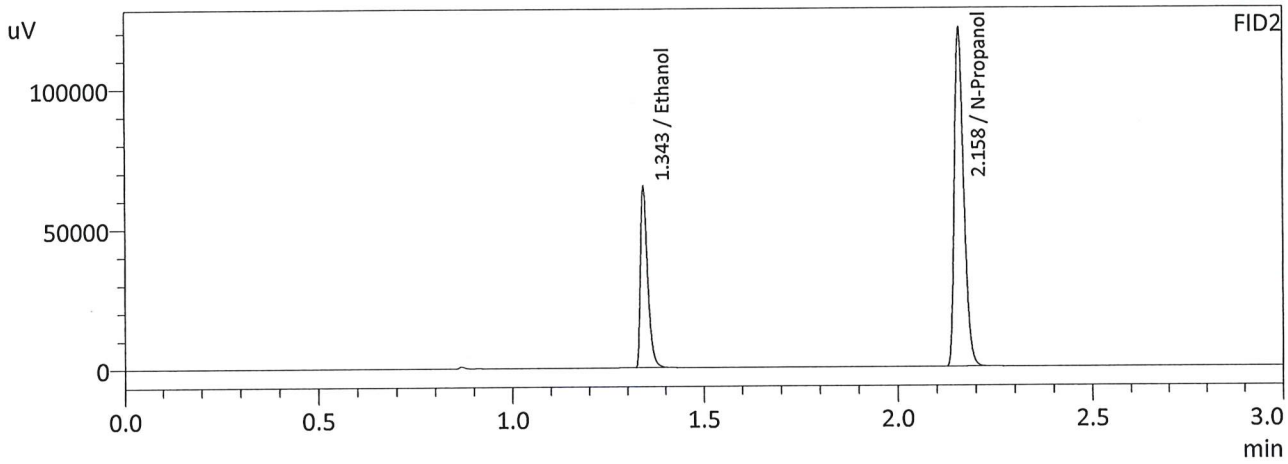
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0992	42084	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199559	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

GW

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 7/25/2024 10:43:31 AM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





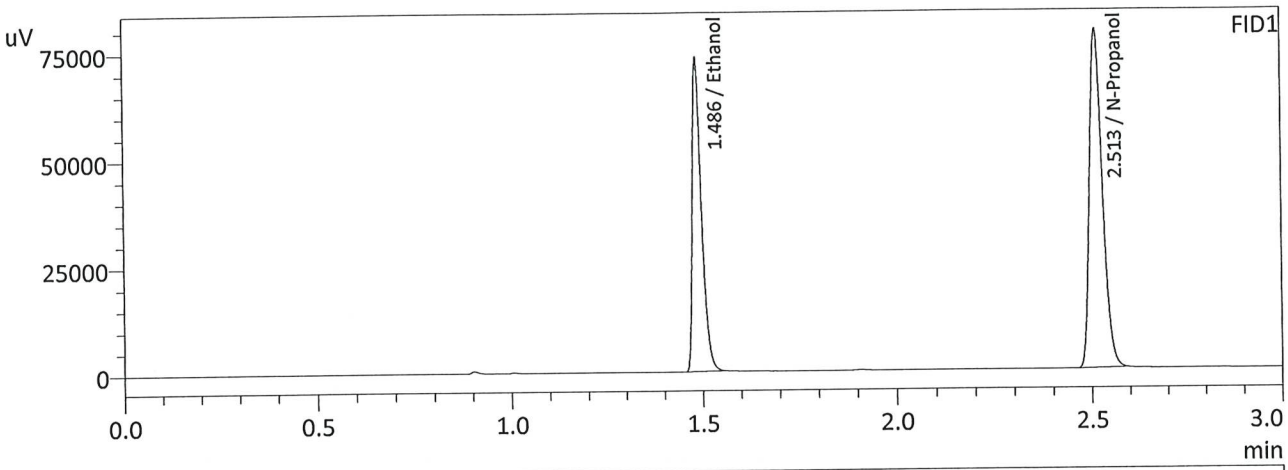
FID1

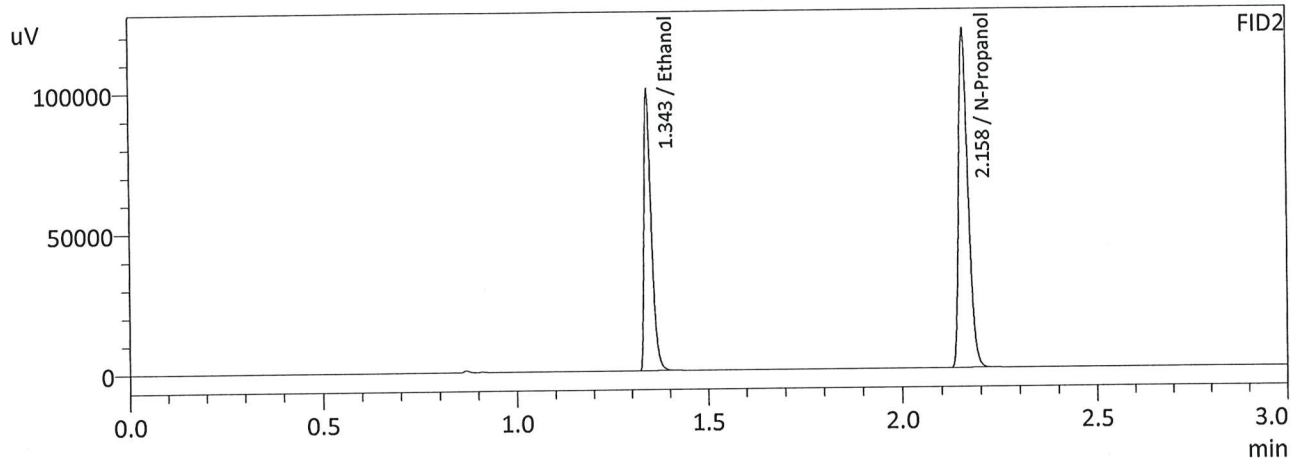
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1974	78943	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185009	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1972	85565	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200220	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 7/25/2024 10:52:29 AM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





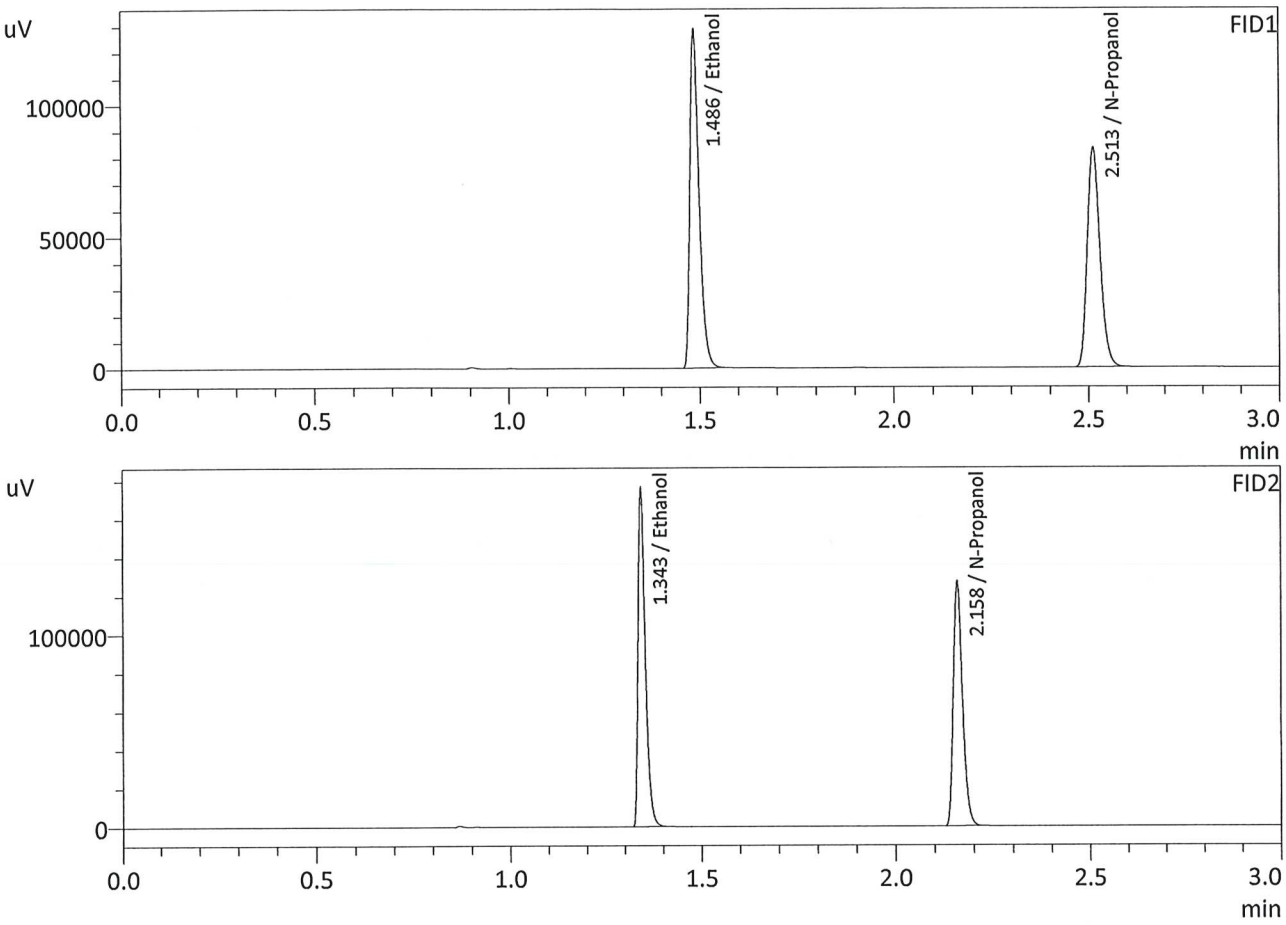
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3017	121200	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184846	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3014	131466	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199889	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 7/25/2024 10:59:48 AM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4999	211956	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194233	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

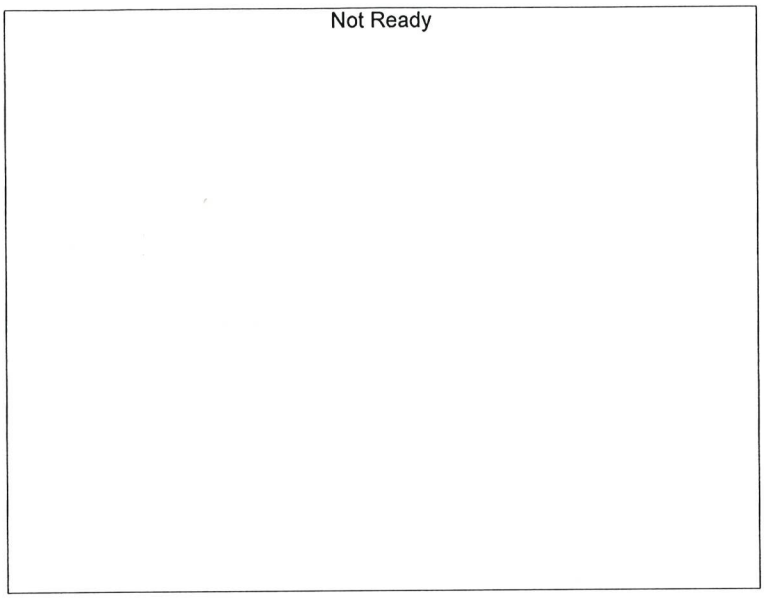
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5001	230628	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210271	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Calibration Table

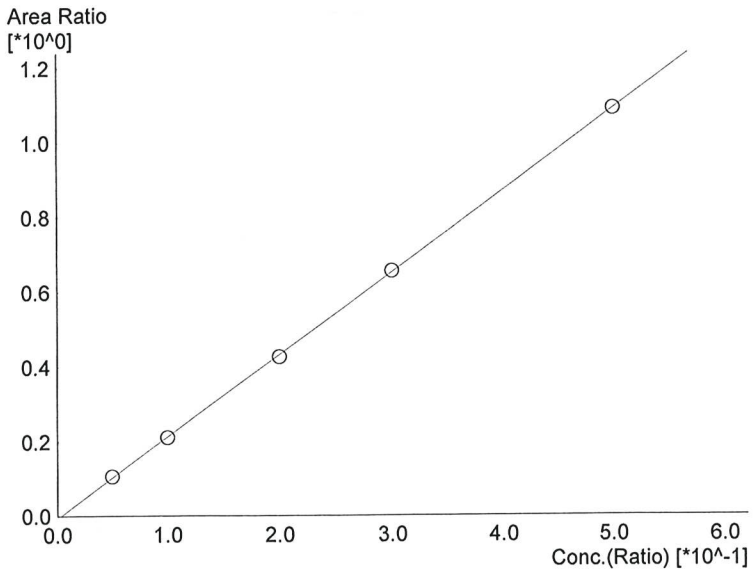
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_240725_GG.gcm
Batch File :Default Project - CALCURVE_240725_GG_POST RUN.gcb
Date Acquired :7/25/2024 10:59:48 AM
Date Created :7/25/2024 10:55:33 AM
Date Modified :7/25/2024 11:16:49 AM



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

#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.19687*x-0.00713213
R^2 value= 0.9999038
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20386	0.0515
2	0.100	38868	0.0992
3	0.200	78943	0.1974
4	0.300	121200	0.3017
5	0.500	211956	0.4999

Not Ready

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.

Not Ready

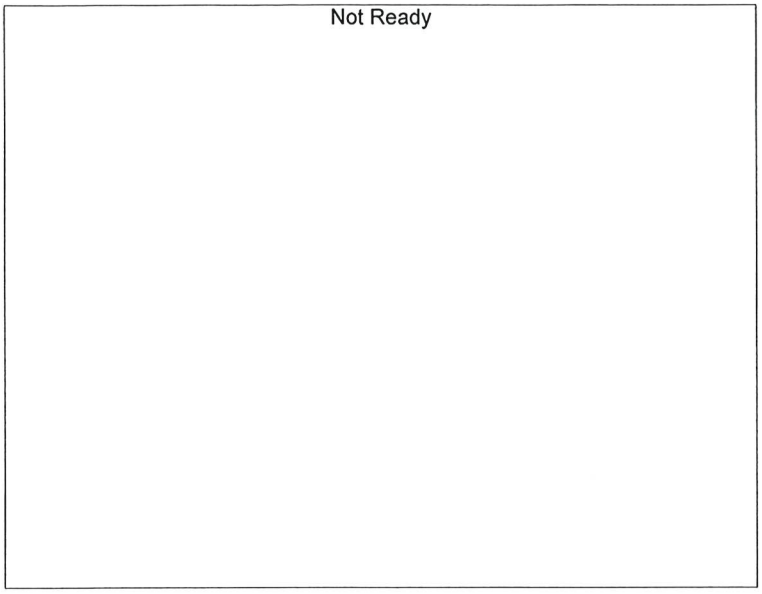
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

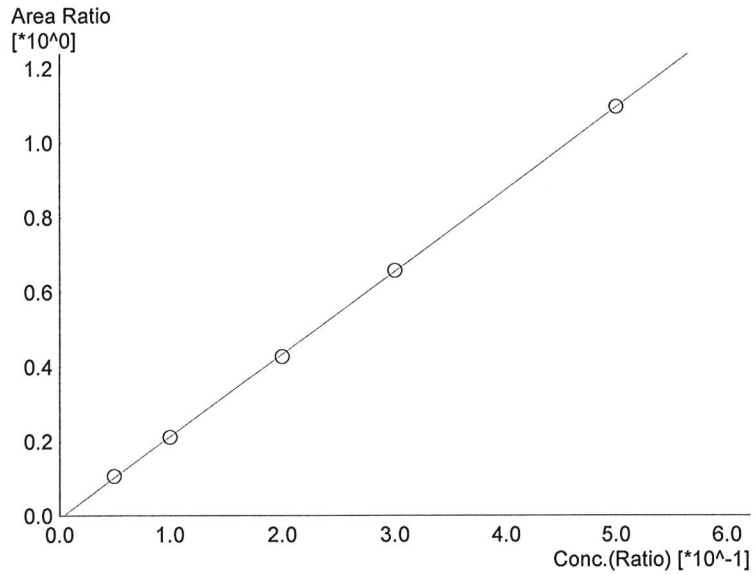
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



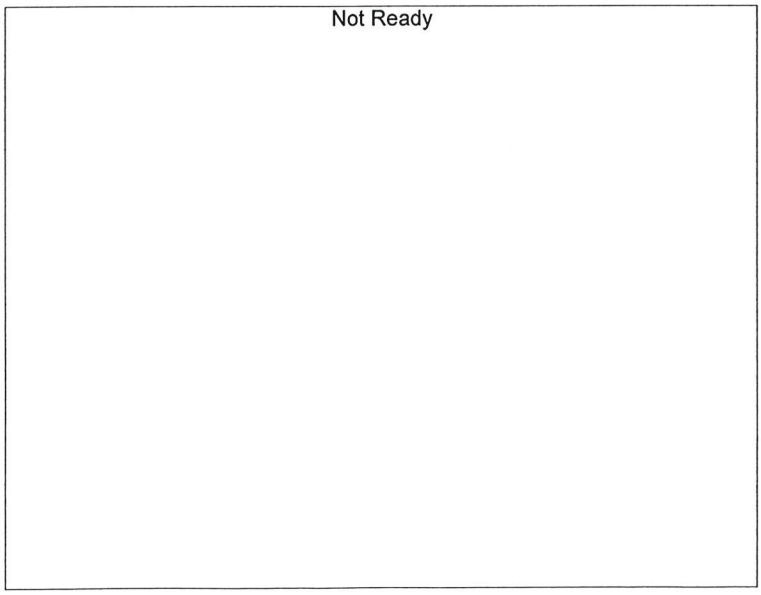
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



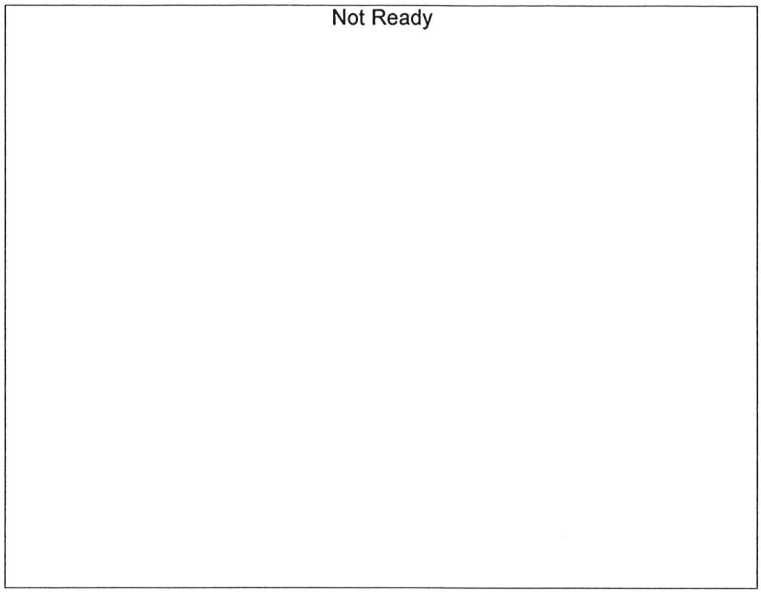
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.20990*x-0.00853298
R^2 value= 0.9998937
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	22039	0.0518
2	0.100	42084	0.0992
3	0.200	85565	0.1972
4	0.300	131466	0.3014
5	0.500	230628	0.5001



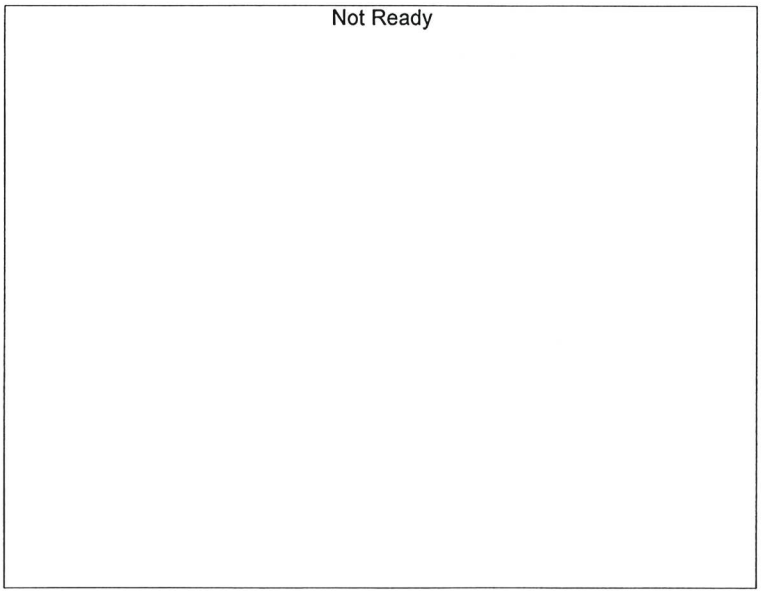
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



Name : Isopropyl Alcohol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

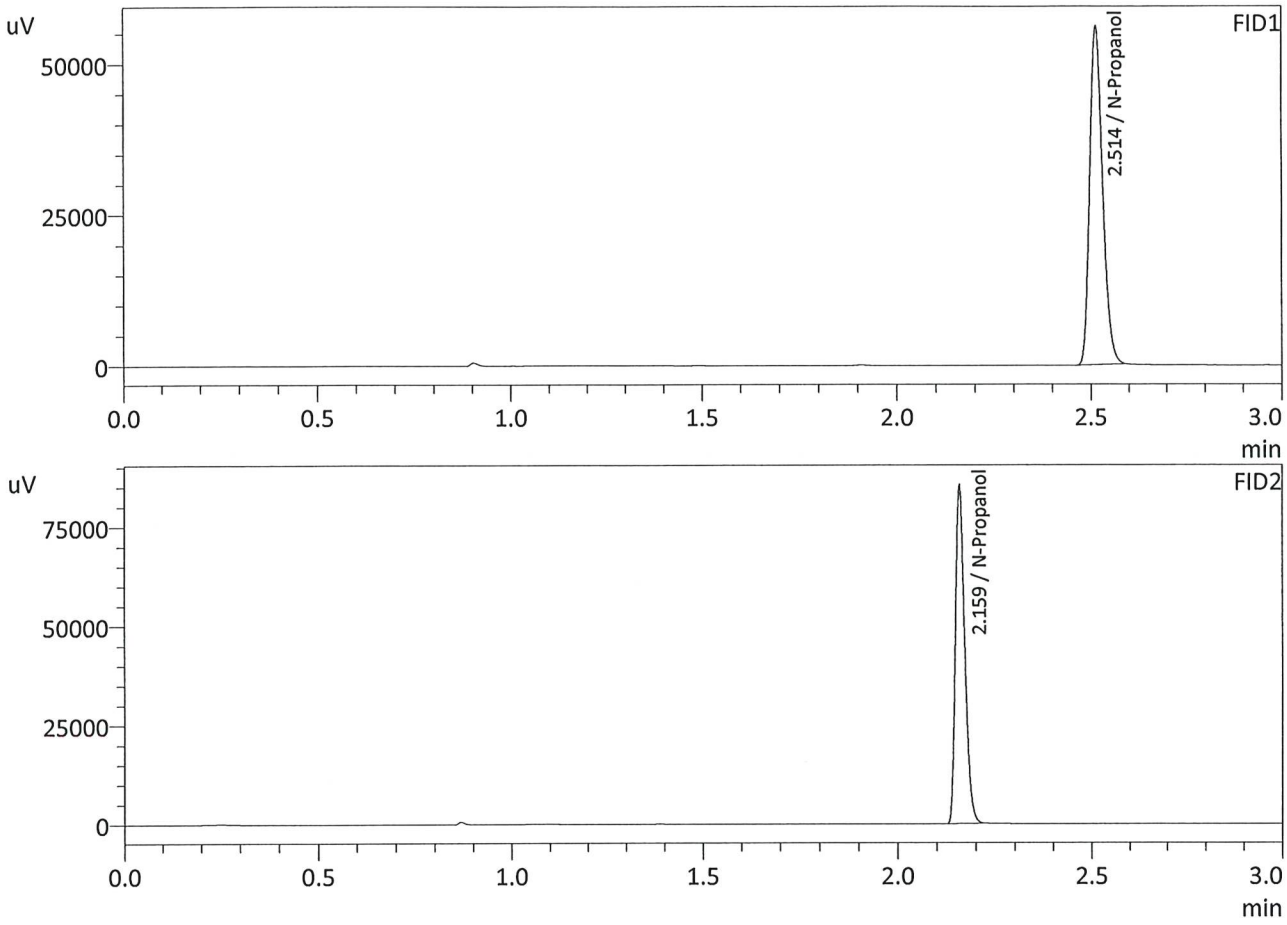
#	Conc.	Area	Std. Conc.



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

#	Conc.	Area	Std. Conc.

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 7/25/2024 11:08:11 AM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240725_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	131049	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

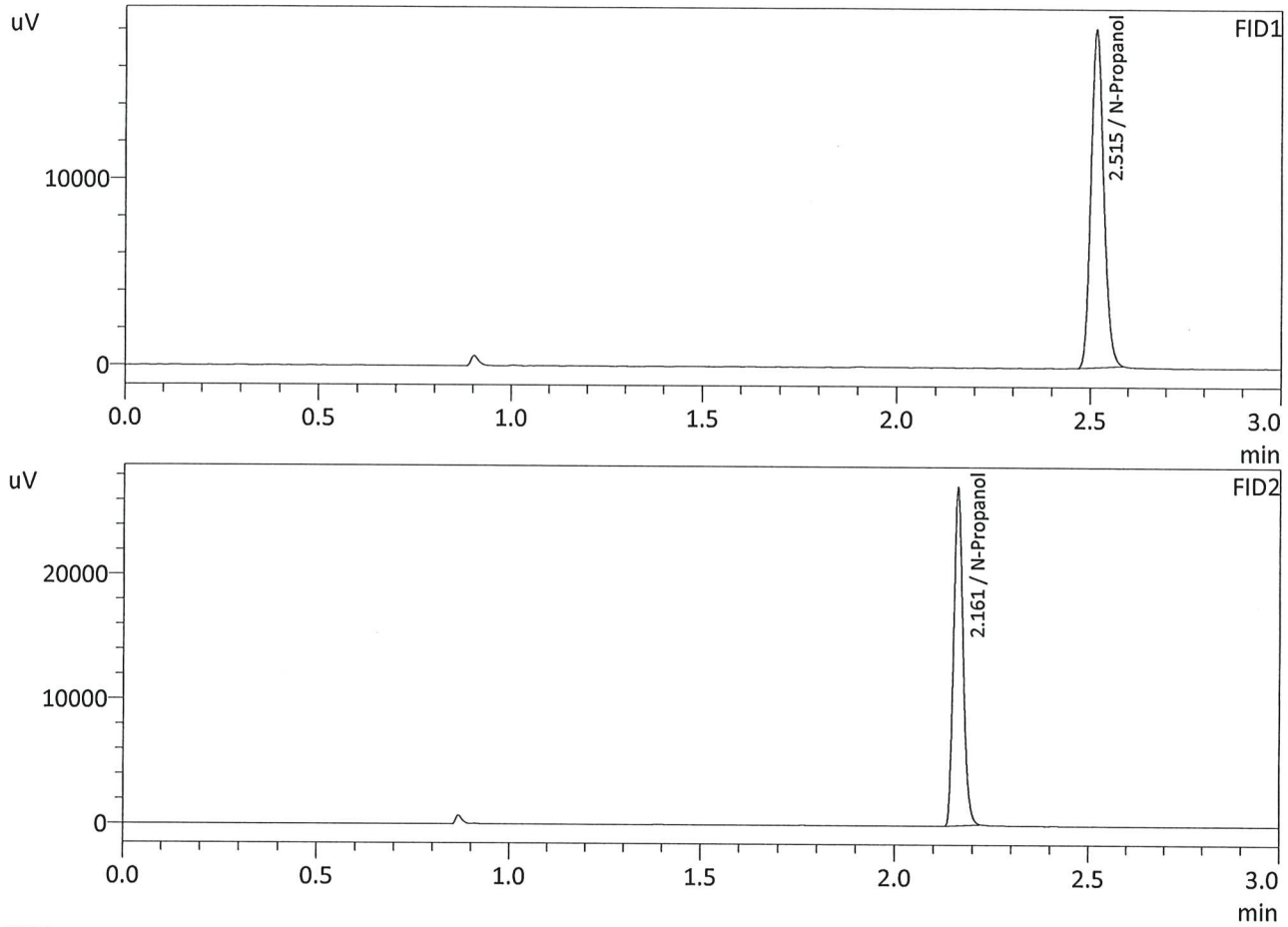
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	141948	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 240725 GG.gcm
2	0.100	1:Standard	2	ALCOHOL 240725 GG.gcm
3	0.200	1:Standard	3	ALCOHOL 240725 GG.gcm
4	0.300	1:Standard	4	ALCOHOL 240725 GG.gcm
5	0.500	1:Standard	5	ALCOHOL 240725 GG.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 240725 GG.gcm

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 7/25/2024 11:55:44 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



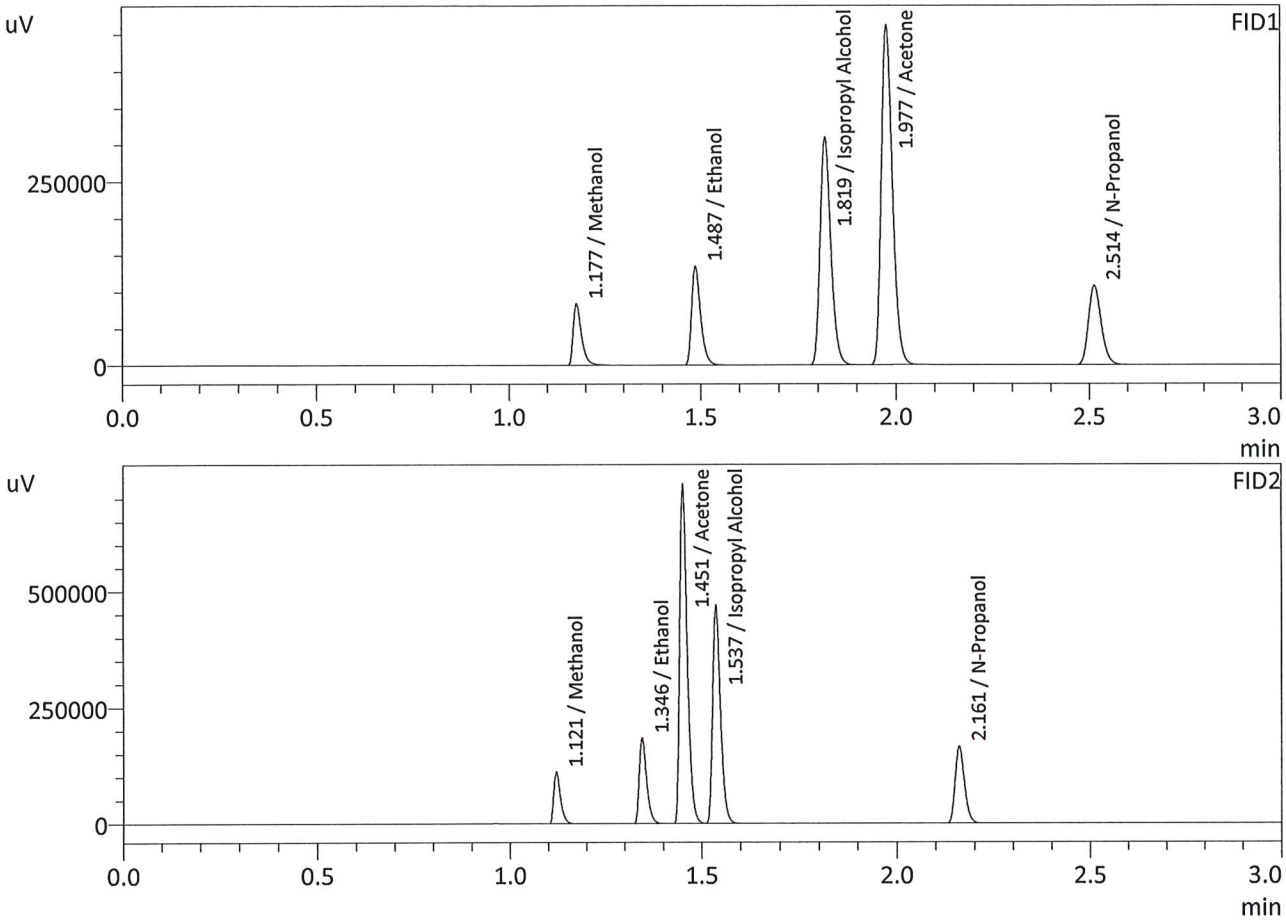
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	42529	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	45718	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 7/25/2024 12:03:04 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	126544	g/100cc
Ethanol	0.4062	222267	g/100cc
Isopropyl Alcohol	0.0000	600709	g/100cc
Acetone	0.0000	902876	g/100cc
N-Propanol	0.0000	251076	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	137856	g/100cc
Ethanol	0.4063	242769	g/100cc
Acetone	0.0000	981621	g/100cc
Isopropyl Alcohol	0.0000	649675	g/100cc
N-Propanol	0.0000	272968	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 7/25/2024 12:26:46 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0777	0.0784	0.0007	0.0780	0.0048	0.0804
(g/100cc)	0.0828	0.0828	0.0000	0.0828		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240725_GG.gcm

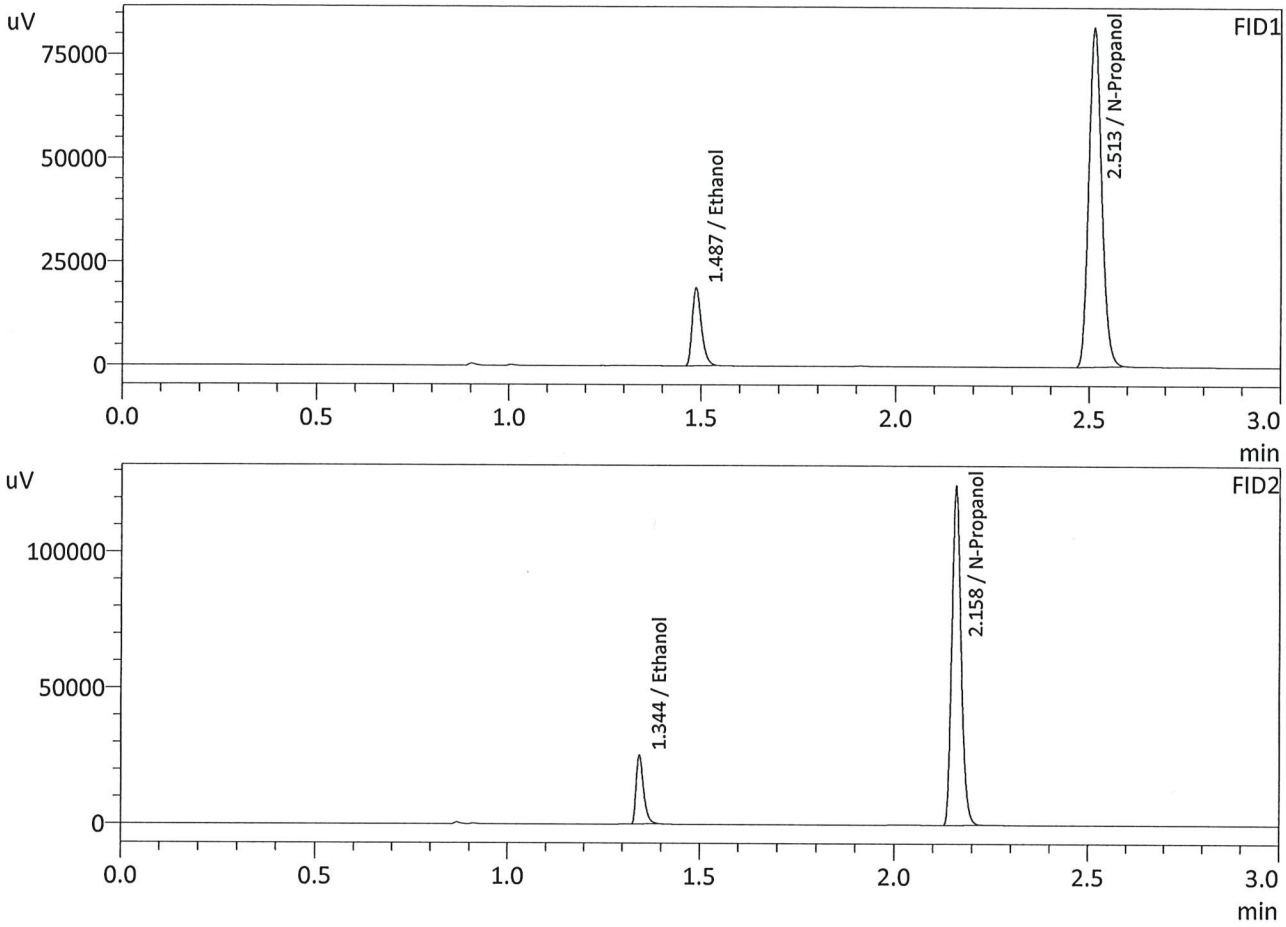
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

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 : 7/25/2024 12:26:46 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



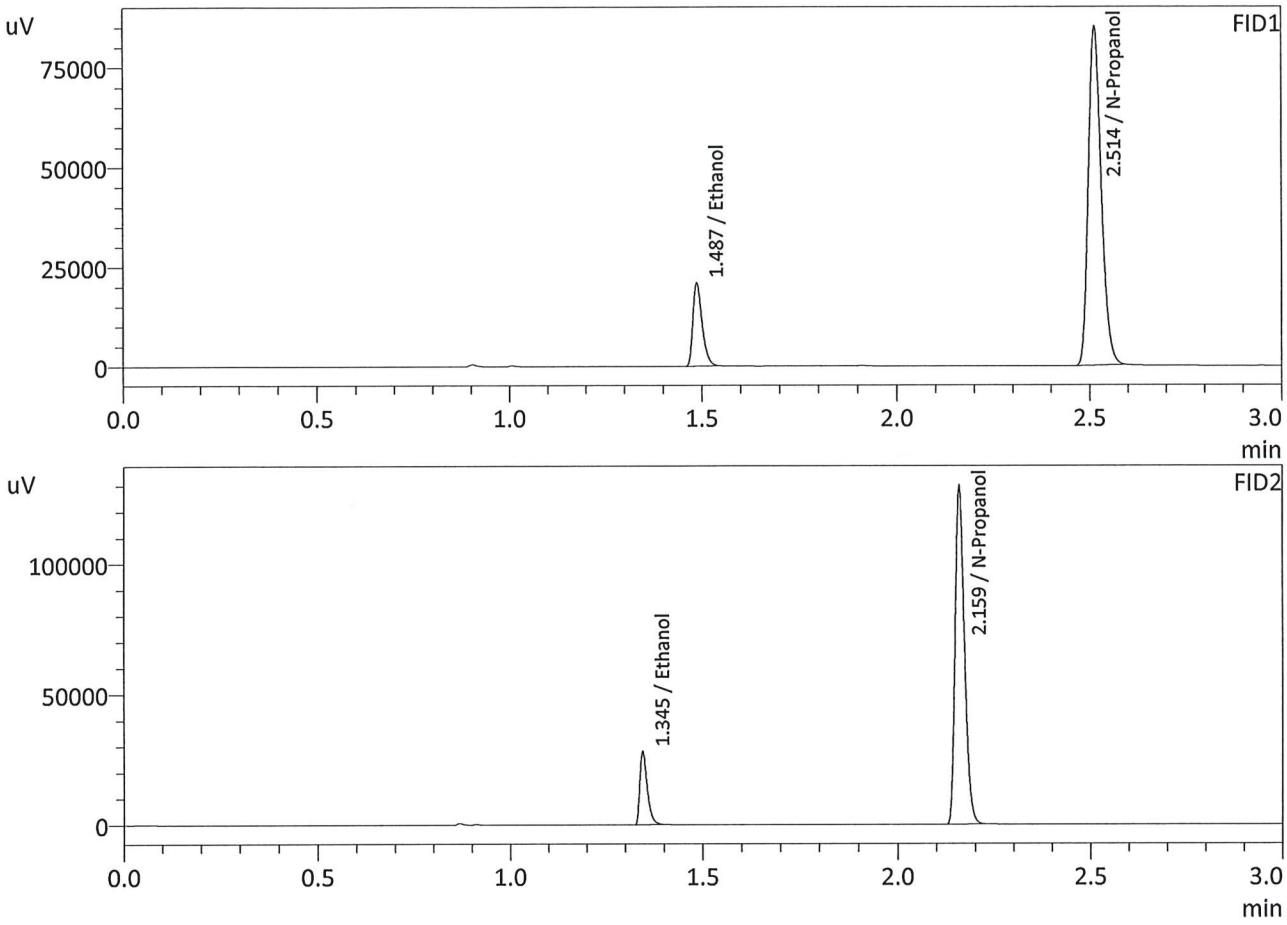
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0777	31228	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190756	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0784	34015	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206446	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 7/25/2024 12:35:22 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	34631	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198106	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	37524	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214907	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 7/25/2024 12:10:25 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0805	0.0806	0.0001	0.0805	0.0017	0.0796
(g/100cc)	0.0787	0.0789	0.0002	0.0788		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

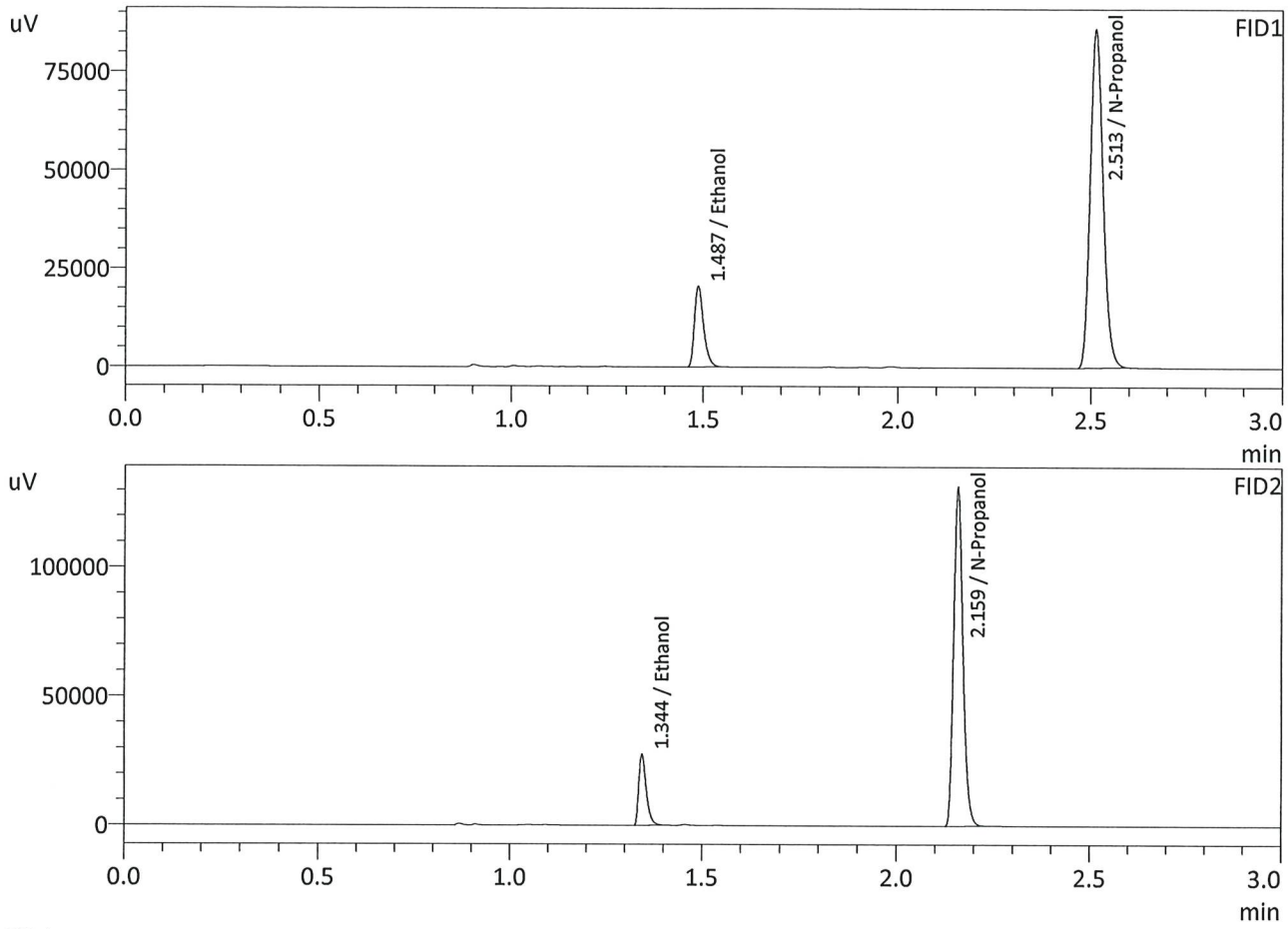
Refer To Instrument Method: ALCOHOL_240725_GG.gcm

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 : QC-1-1
Laboratory : Meridian
Injection Date : 7/25/2024 12:10:25 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



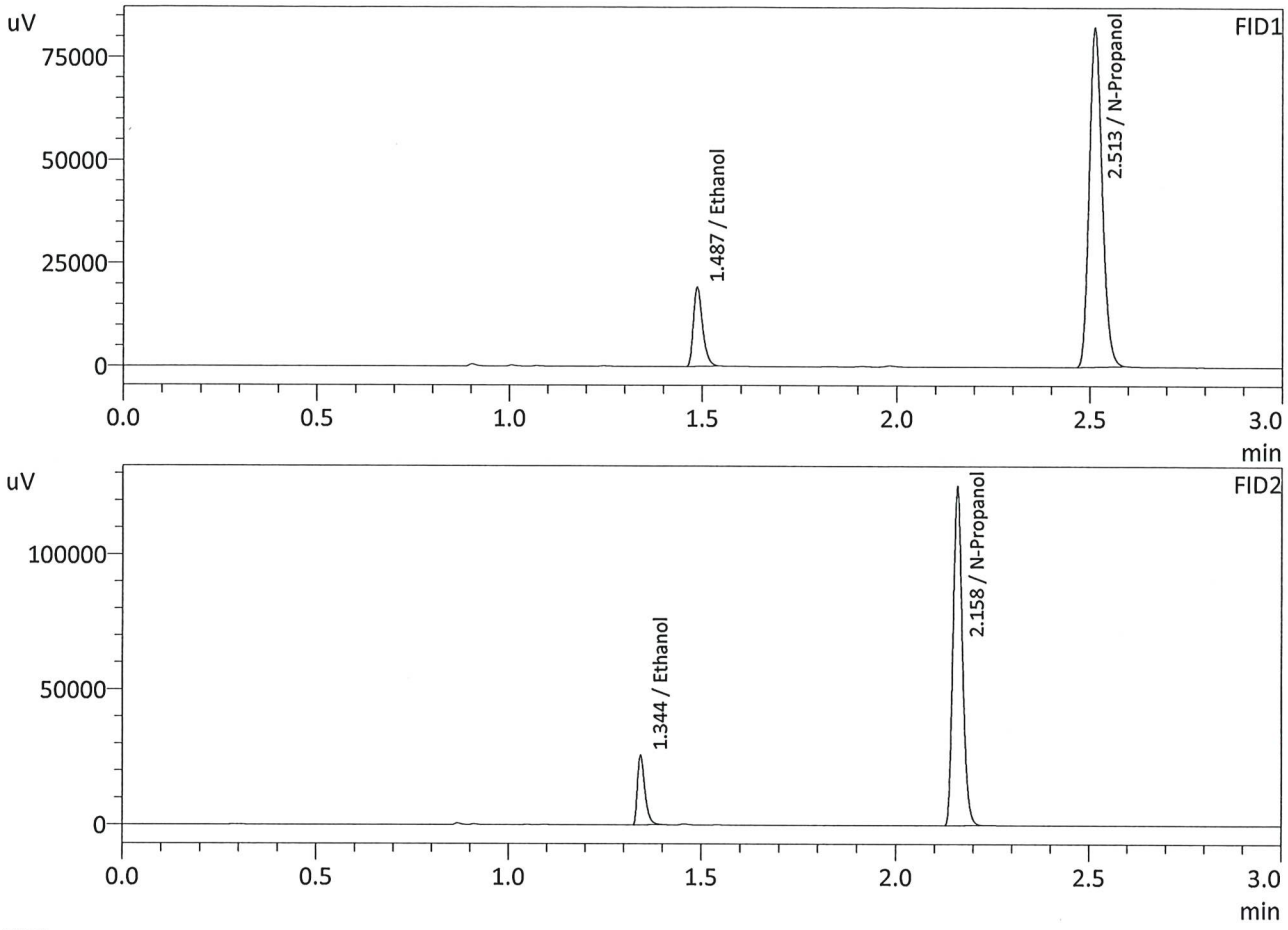
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0805	34102	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200675	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0806	36895	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217446	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 7/25/2024 12:19:27 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0787	31862	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191998	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	34458	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207724	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2 **Analysis Date(s): 7/25/2024 5:50:04 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0843	0.0844	0.0001	0.0843	0.0003	0.0842
(g/100cc)	0.0840	0.0841	0.0001	0.0840		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240725_GG.gcm

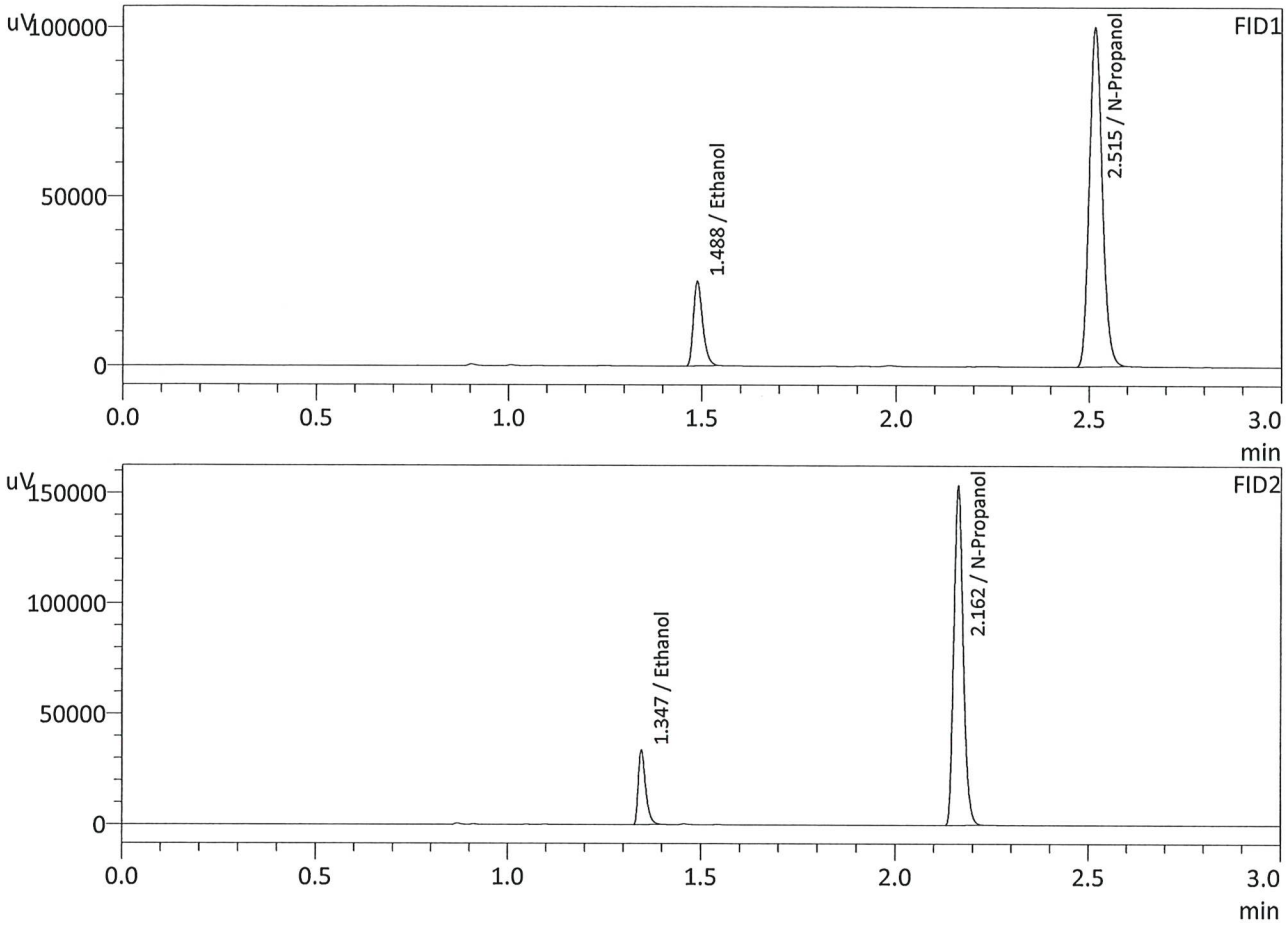
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.084	0.079	0.089	0.005

Reported Results
0.084

Calibration and control data are stored centrally.

Sample Name : QC1-2
Laboratory : Meridian
Injection Date : 7/25/2024 5:50:04 PM
Vial # : 45
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

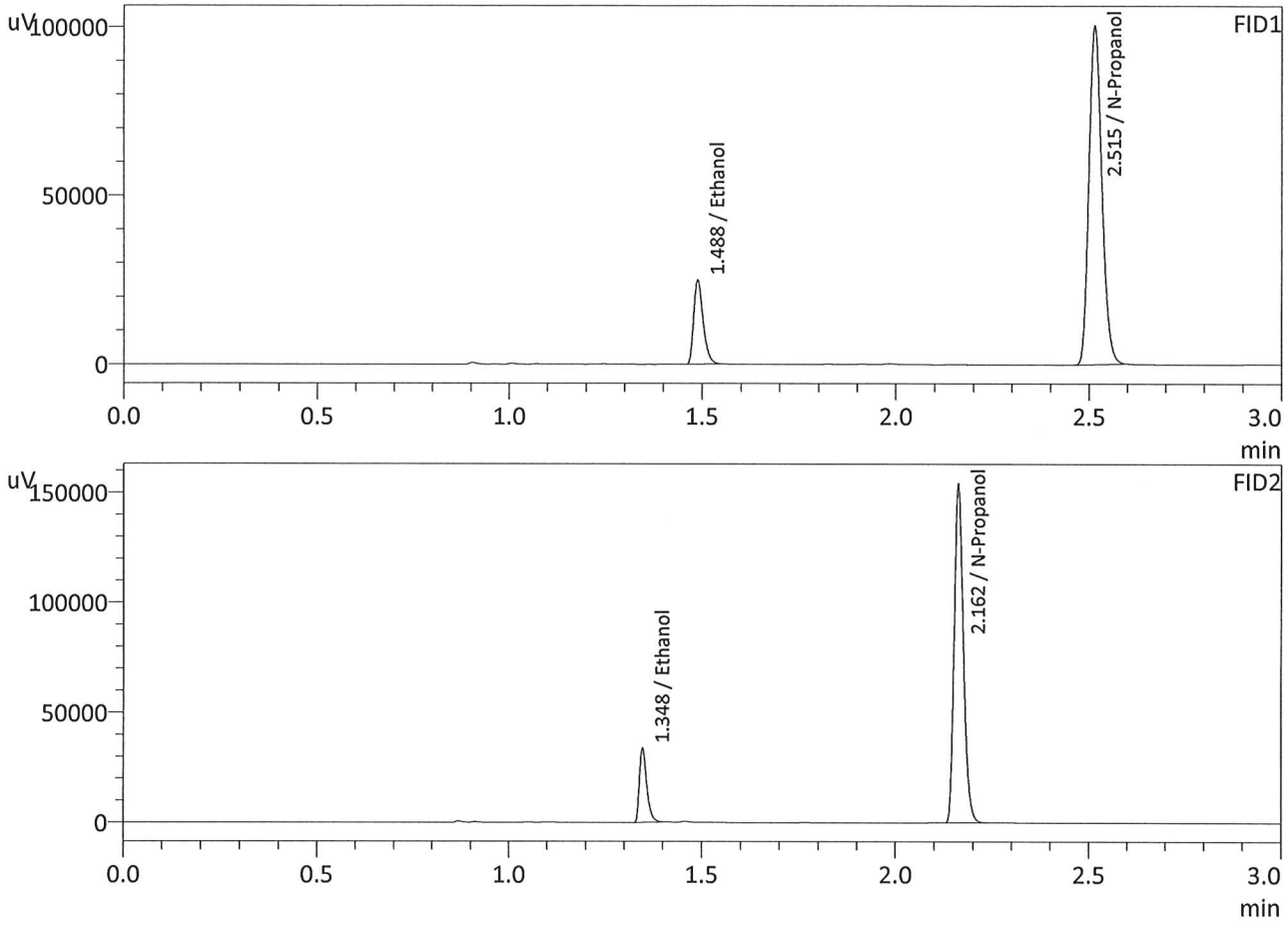
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0843	41692	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	234019	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0844	45230	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	253958	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 7/25/2024 5:57:17 PM
Vial # : 46
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0840	41571	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	234072	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0841	45094	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	254274	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 7/25/2024 3:07:30 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2064	0.2063	0.0001	0.2063	0.0008	0.2067
(g/100cc)	0.2071	0.2072	0.0001	0.2071		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240725_GG.gcm

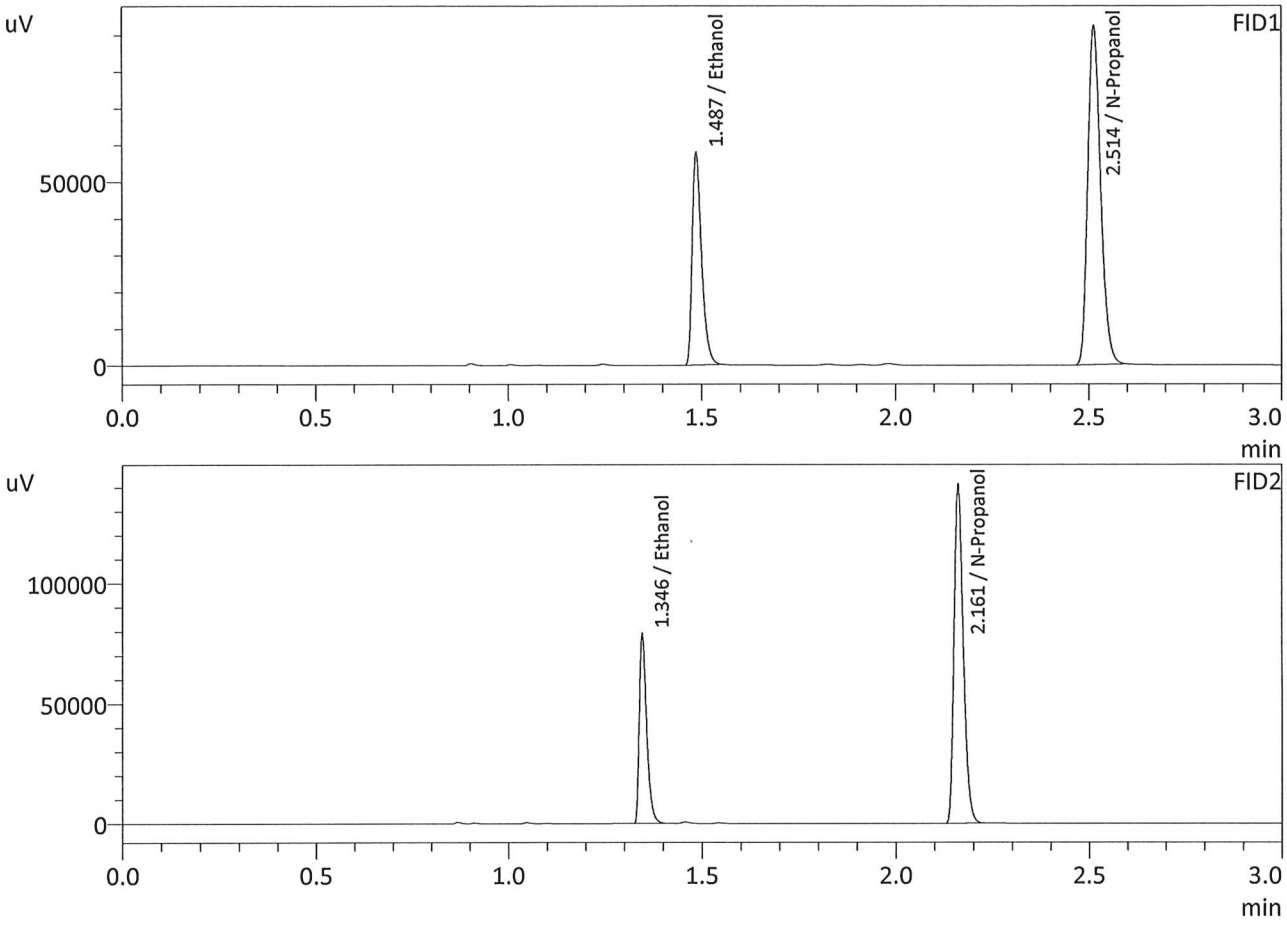
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

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 : 7/25/2024 3:07:30 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



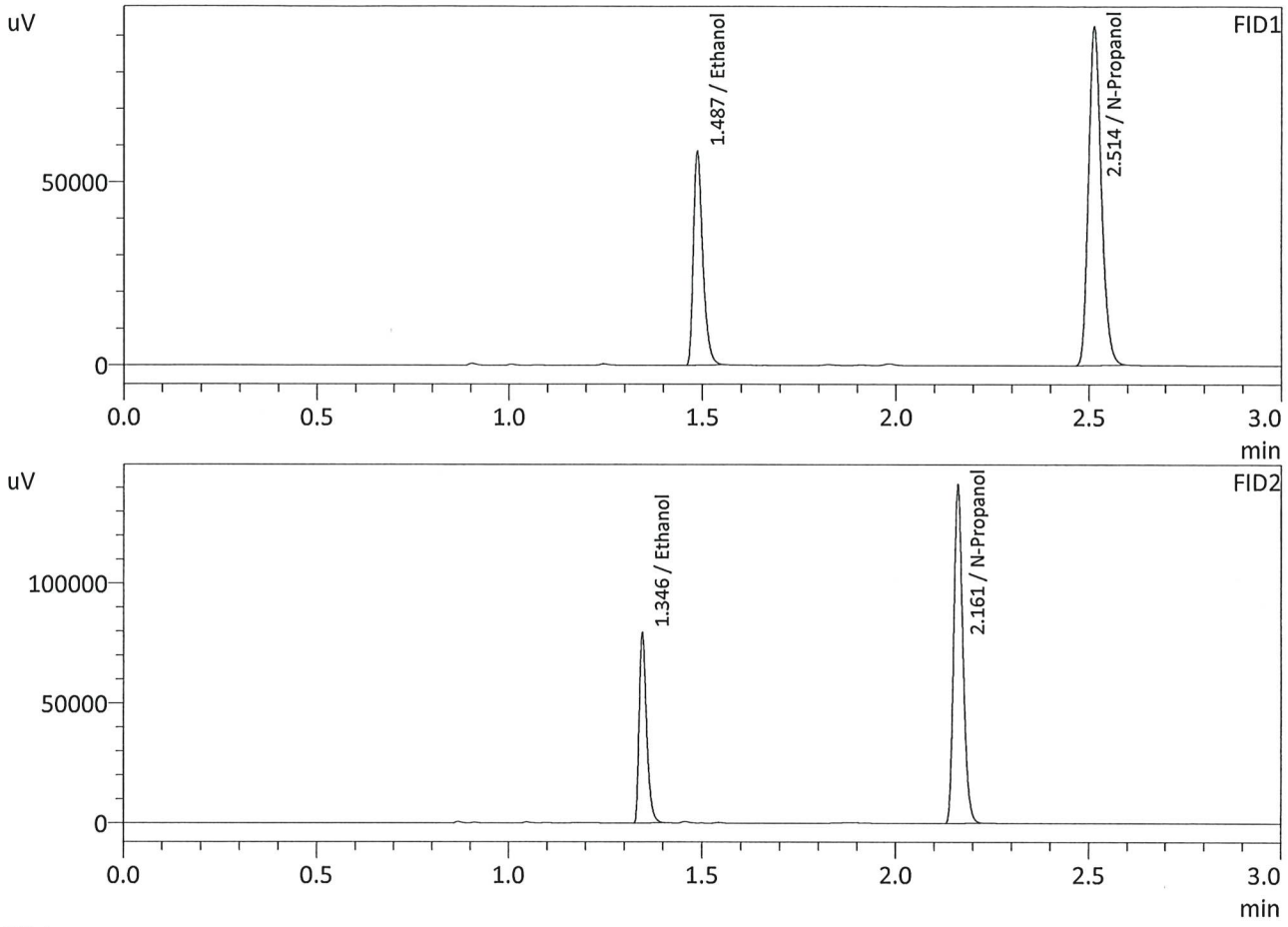
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2064	96061	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	215227	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2063	104509	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	233523	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name	: QC-2-1-B
Laboratory	: Meridian
Injection Date	: 7/25/2024 3:14:57 PM
Vial #	: 26
Method Filename	: Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2071	96658	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	215734	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2072	105241	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	234107	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2 **Analysis Date(s): 7/25/2024 6:05:01 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2075	0.2074	0.0001	0.2074	0.0029	0.2089
(g/100cc)	0.2105	0.2102	0.0003	0.2103		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240725_GG.gcm

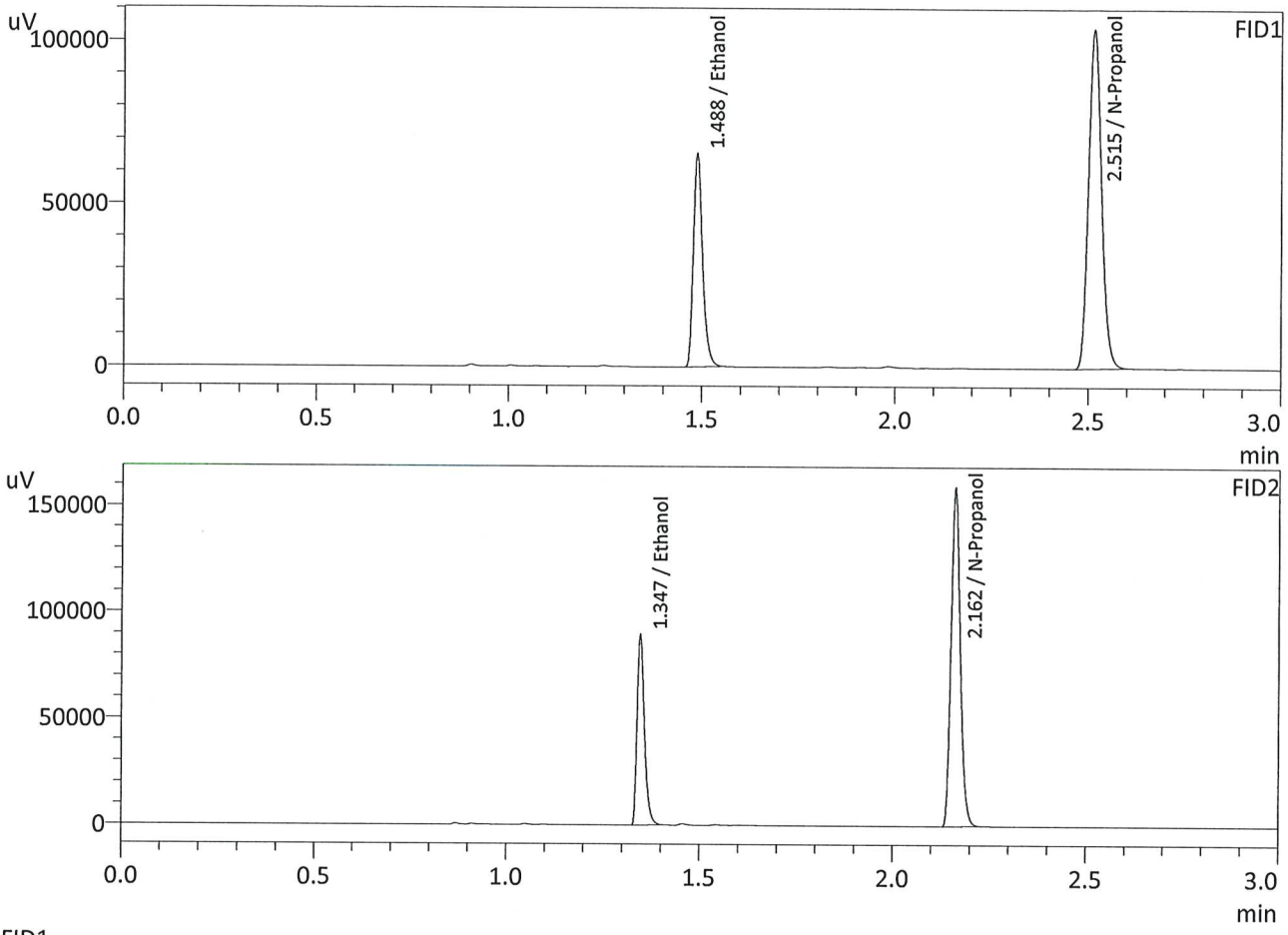
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.208	0.197	0.219	0.011

Reported Results
0.208

Calibration and control data are stored centrally.

Sample Name : QC2-2
Laboratory : Meridian
Injection Date : 7/25/2024 6:05:01 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



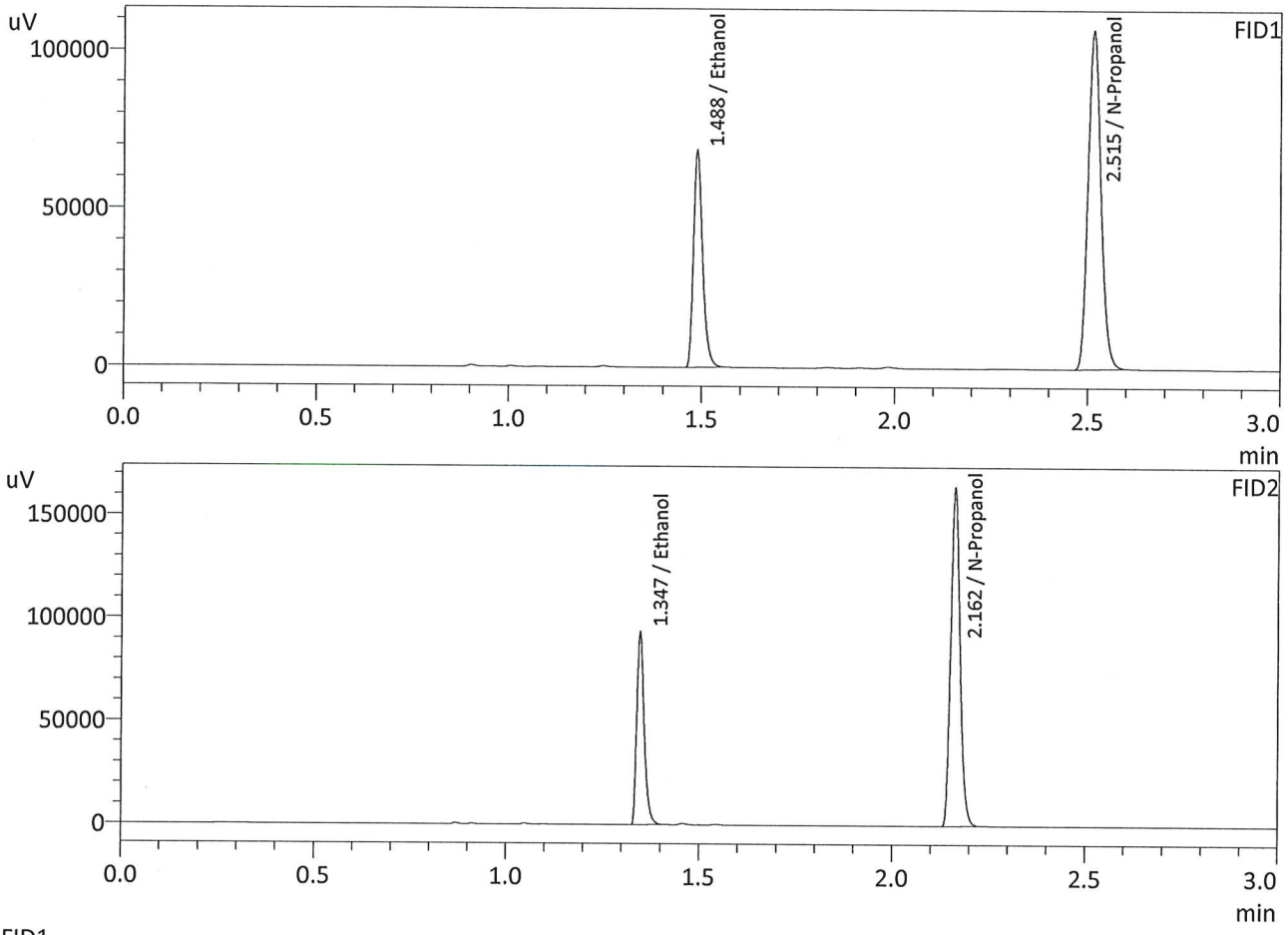
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2075	108826	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	242453	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2074	118421	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	263191	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 7/25/2024 6:14:04 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2105	113860	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	250000	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2102	123902	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	271653	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc