REVIEWED

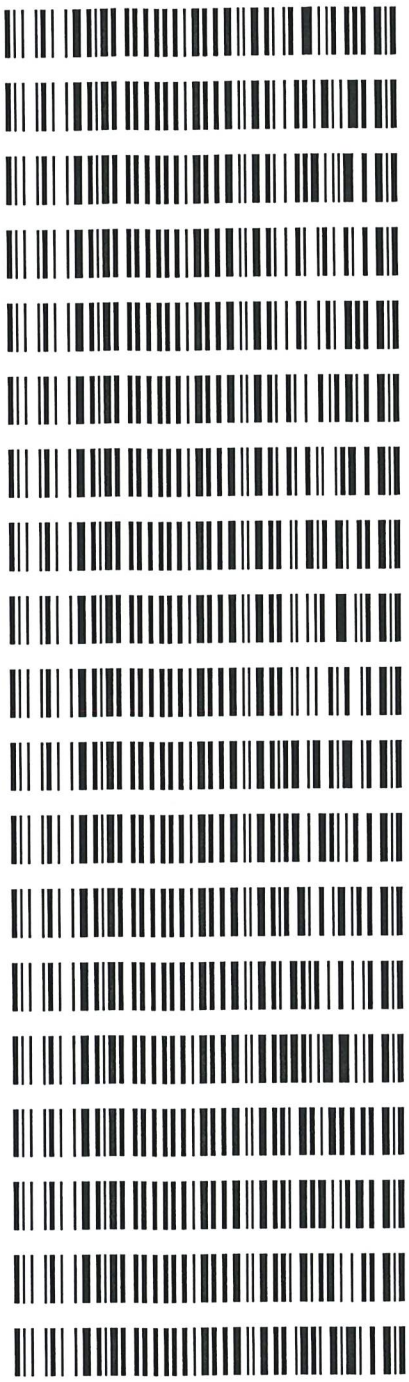
By Melissa (Nikka) Bradley at 11:06 am, Aug 06, 2024

NB

8/6/2024

Worklist: 6889

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-3119	1	BCK	Alcohol Analysis
M2024-3120	1	BCK	Alcohol Analysis
M2024-3121	1	BCK	Alcohol Analysis
M2024-3127	1	BCK	Alcohol Analysis
M2024-3128	1	BCK	Alcohol Analysis
M2024-3152	1	BCK	Alcohol Analysis
M2024-3154	1	BCK	Alcohol Analysis
M2024-3176	1	BCK	Alcohol Analysis
M2024-3177	1	BCK	Alcohol Analysis
M2024-3178	1	BCK	Alcohol Analysis
M2024-3196	1	BCK	Alcohol Analysis
M2024-3197	1	BCK	Alcohol Analysis
M2024-3205	2	BCK	Alcohol Analysis
M2024-3219	1	BCK	Alcohol Analysis
M2024-3232	1	BCK	Alcohol Analysis
M2024-3238	1	BCK	Alcohol Analysis
M2024-3239	1	BCK	Alcohol Analysis
M2024-3241	1	BCK	Alcohol Analysis
M2024-3246	1	BCK	Alcohol Analysis



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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): **08/05/2024**

Calibration Date: *07/25/2024*

Worklist #: **6889**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0802 g/100cc
					0.0837 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2082 g/100cc
					0.2097 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	0.079 g/100cc

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

Internal Standard Monitoring Worksheet

Worklist #:	6889	Run Date(s):	08/05/2024

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

Sample Name	Column 1 Value	Column 2 Value
0.080	186340	202525
0.080	184441	200449
QC1	188994	205584
QC1	188085	204428
QC1	229134	249494
QC1	229782	250040
QC1		
QC1		
QC2	217247	236452
QC2	211979	230820
QC2	226459	246532
QC2	241381	262836
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	210384.2	168307.4	252461.0
Column 2	228916.0	183132.8	274699.2

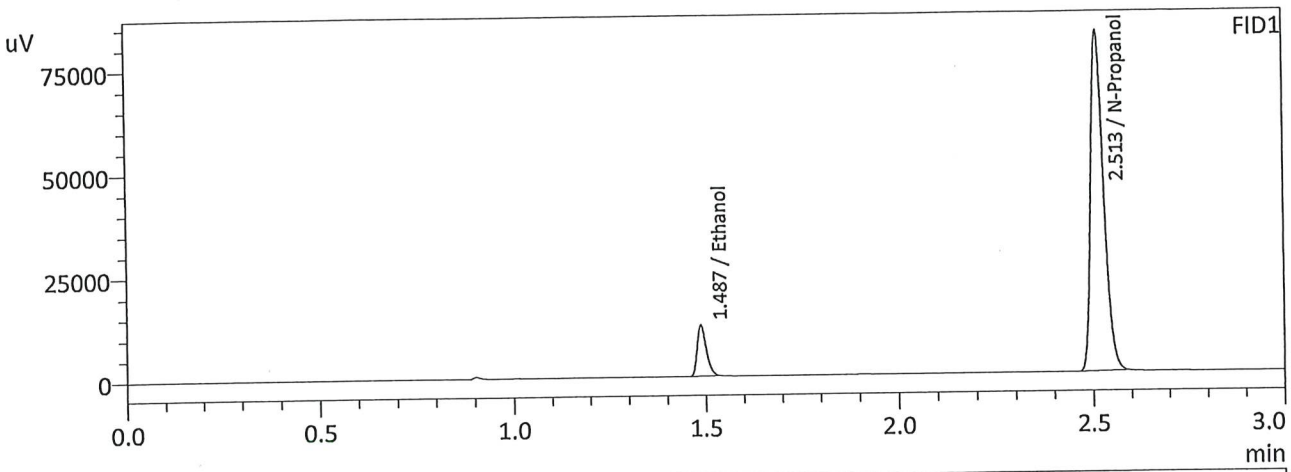
Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

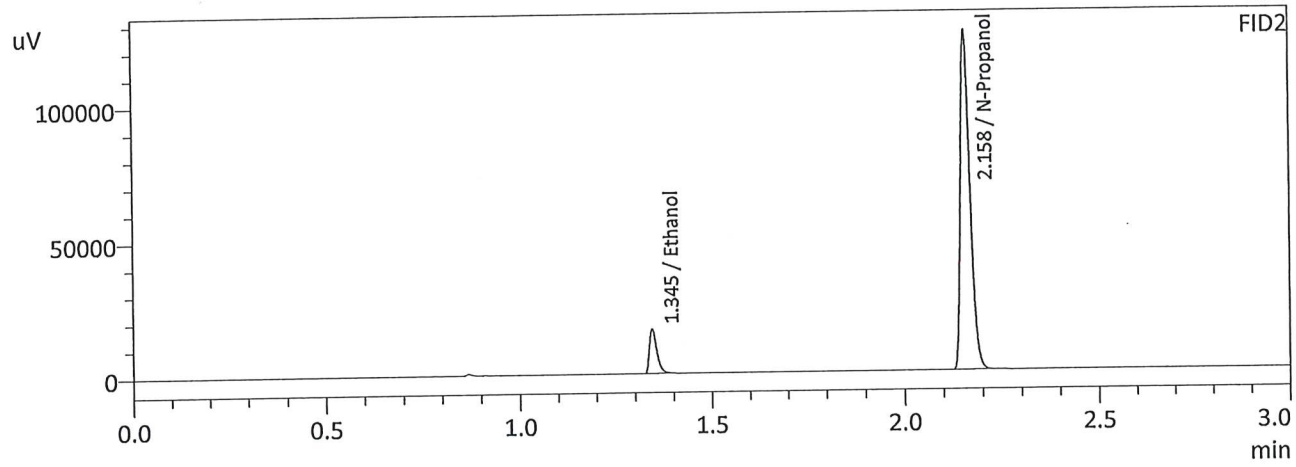
Meridian Blood Alcohol Analysis Batch Table

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	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 : 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





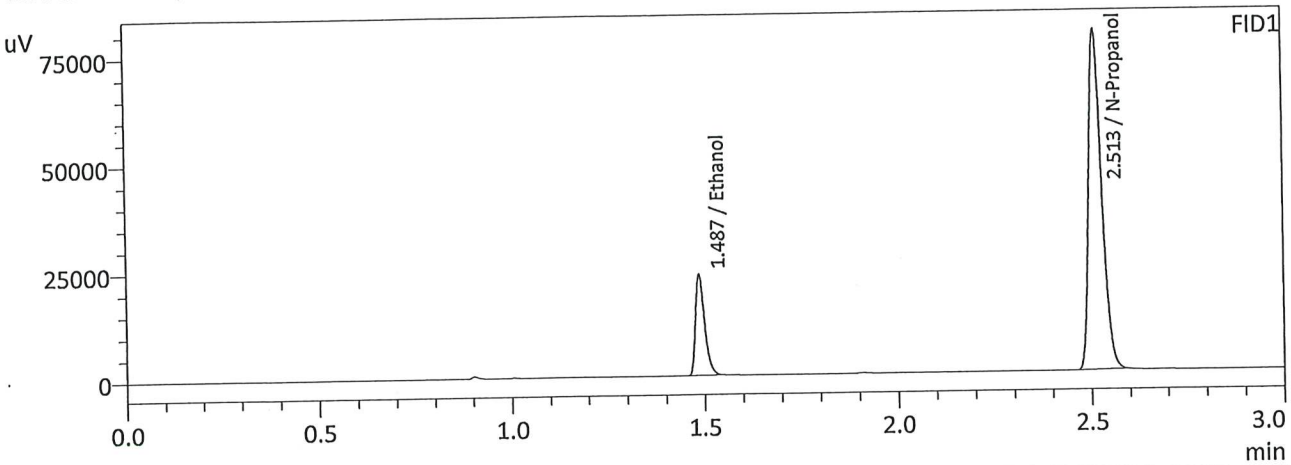
FID1

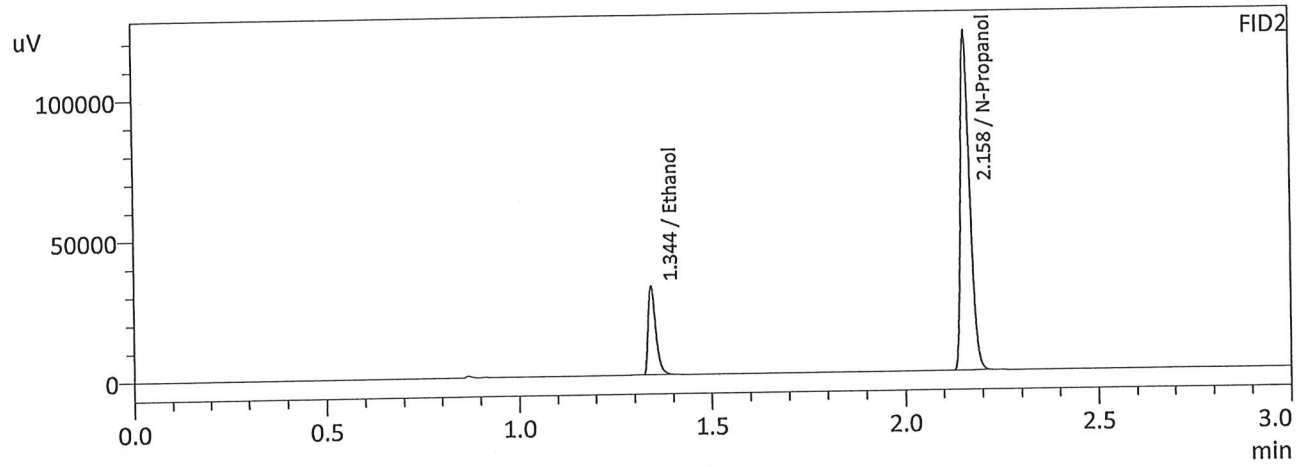
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0515	20386	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192005	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

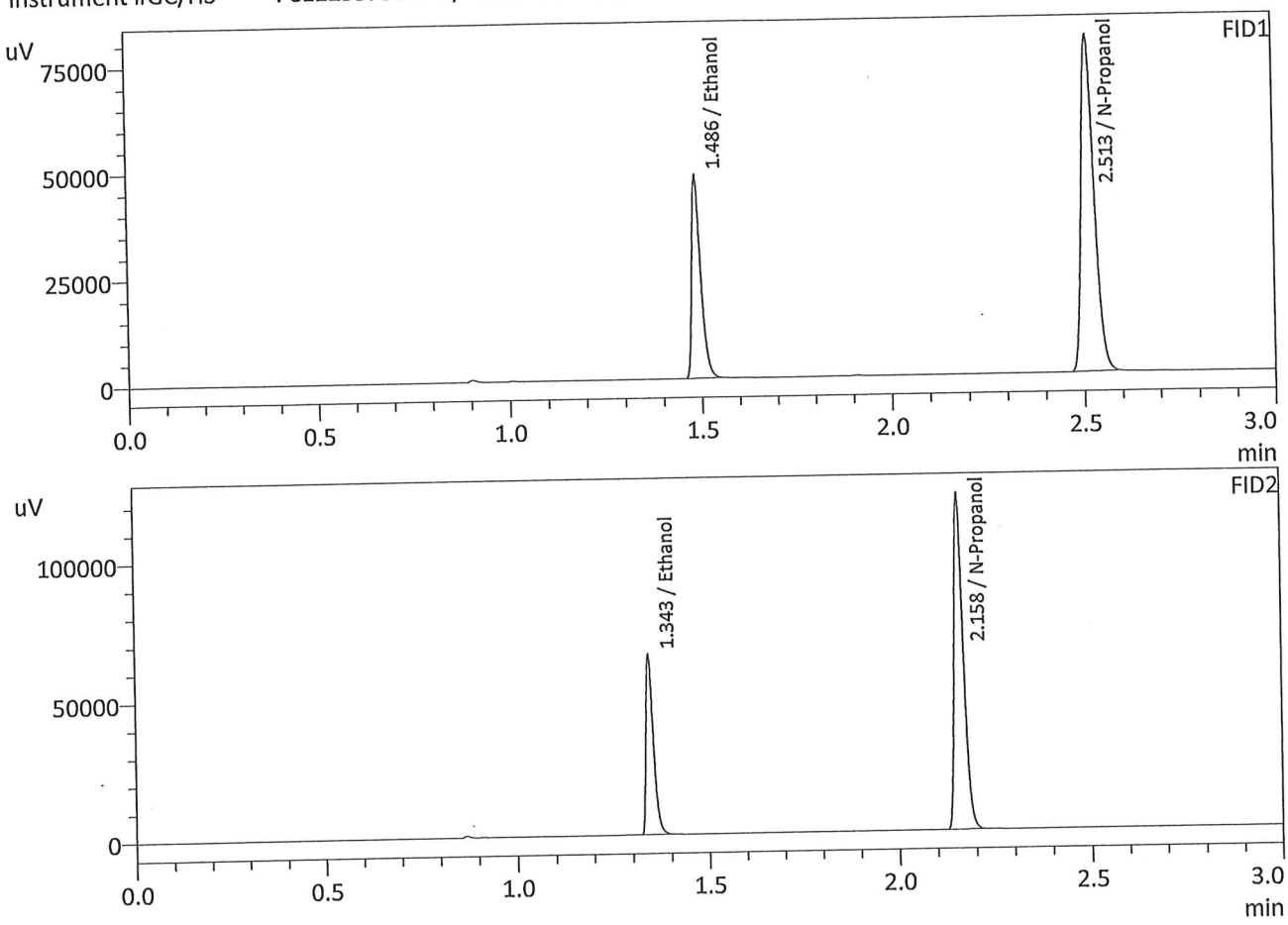
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0992	38868	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184260	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

W

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



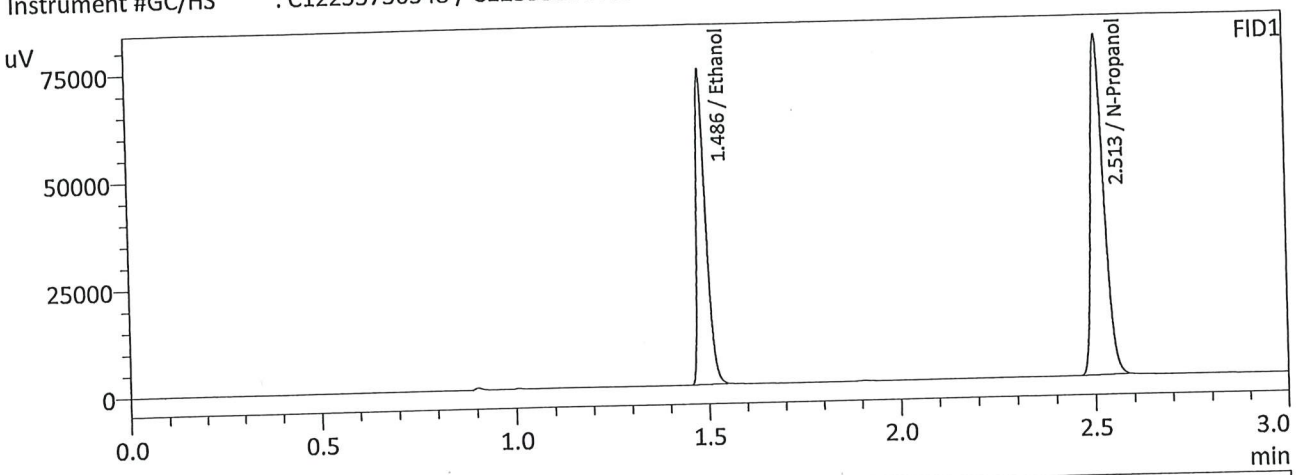
FID1

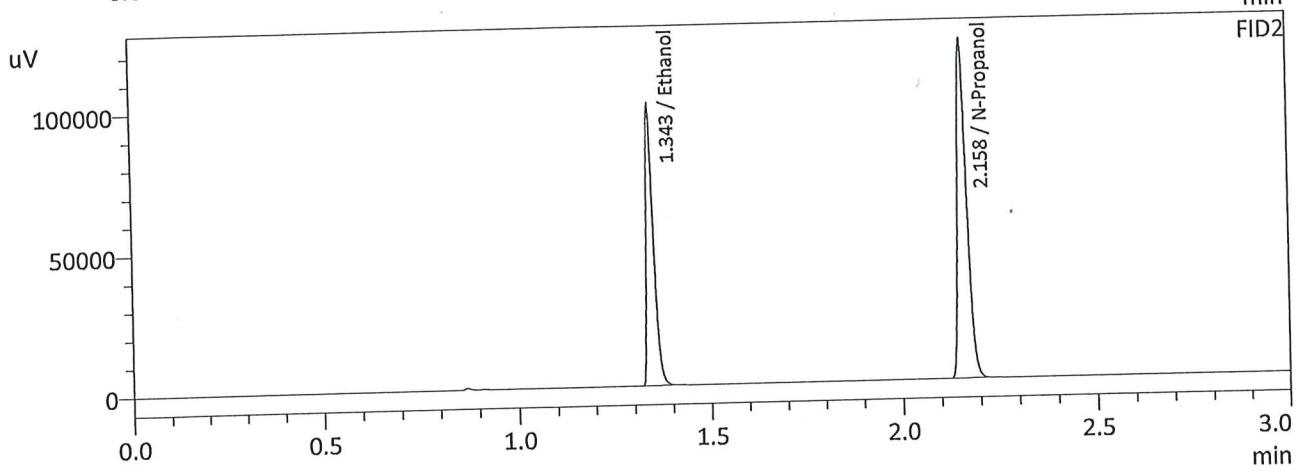
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1974	78943	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185009	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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





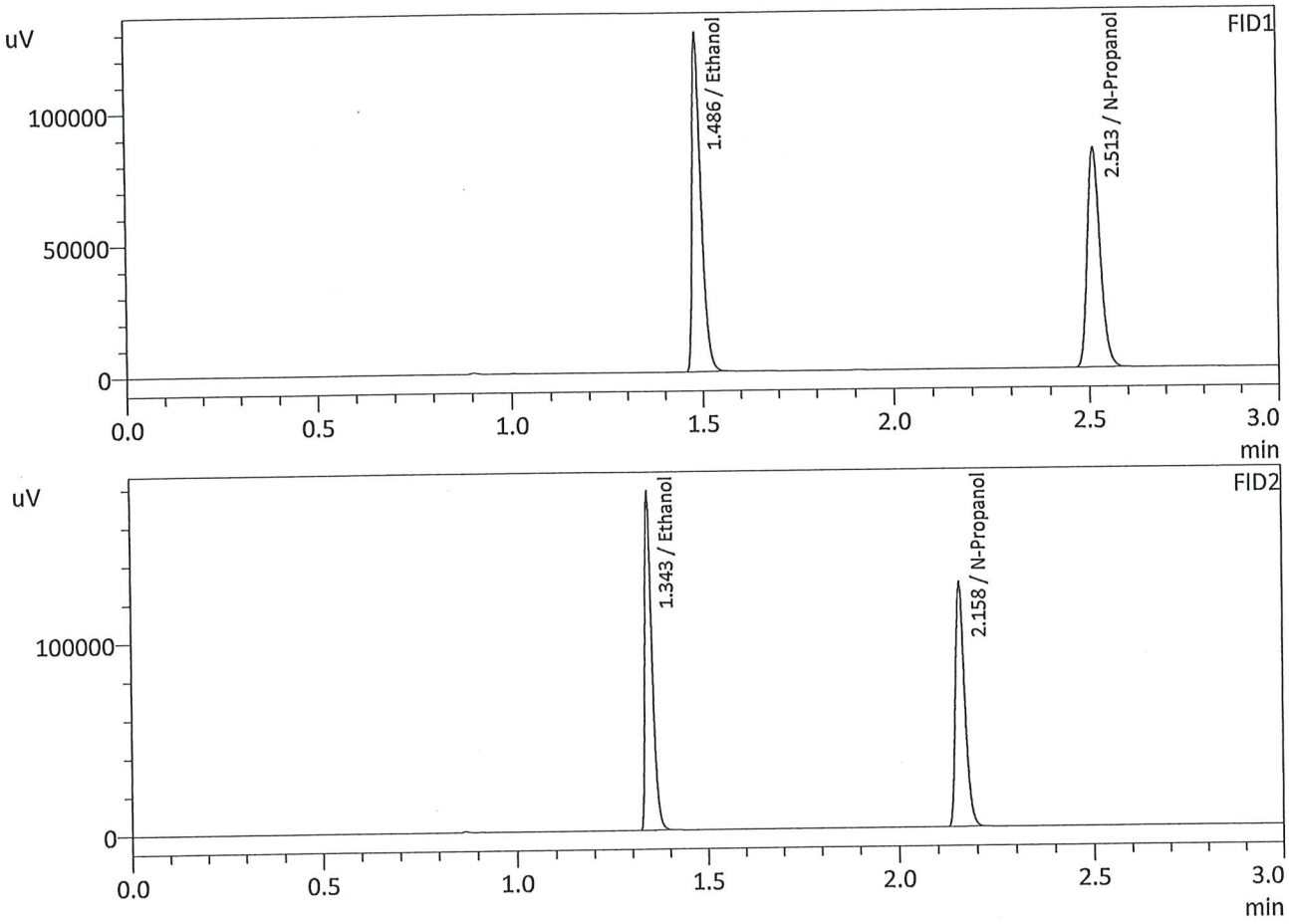
FID1

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

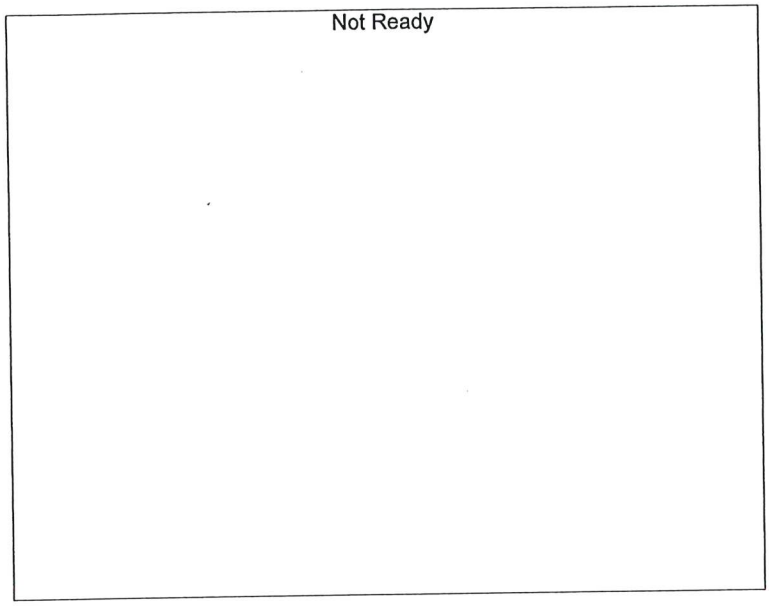
FID2

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

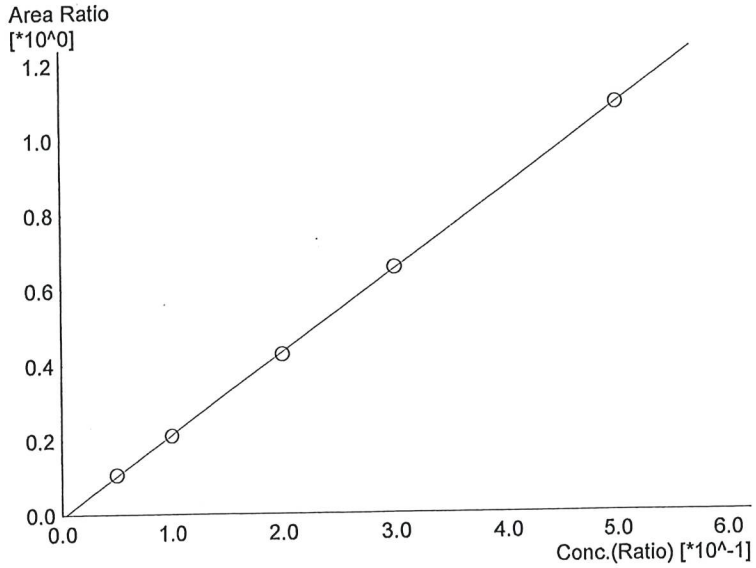
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<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



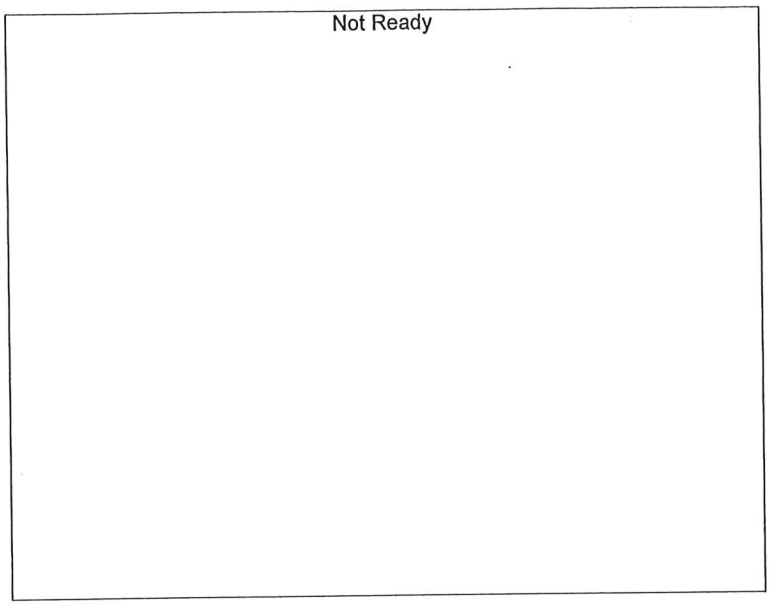
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



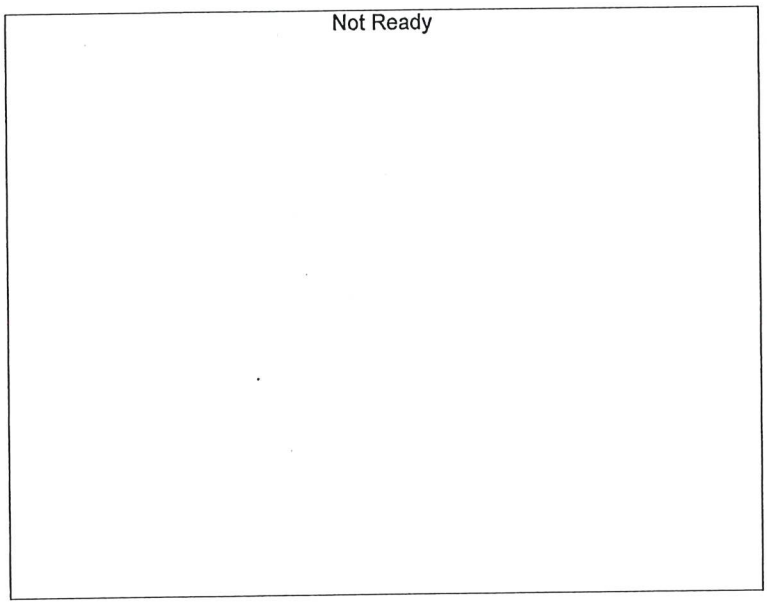
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.19687*x-0.00713213
R^2 value= 0.9999038
FitType: Linear
ZeroThrough: Not Through

#	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



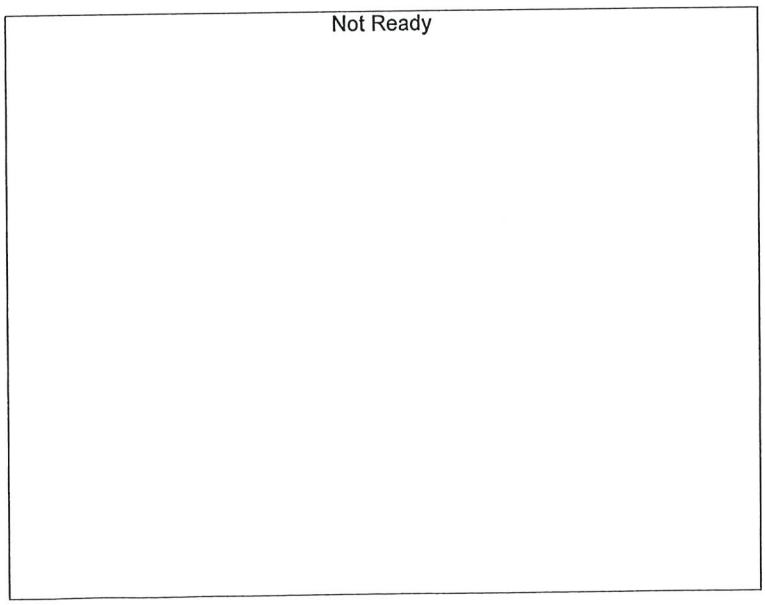
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



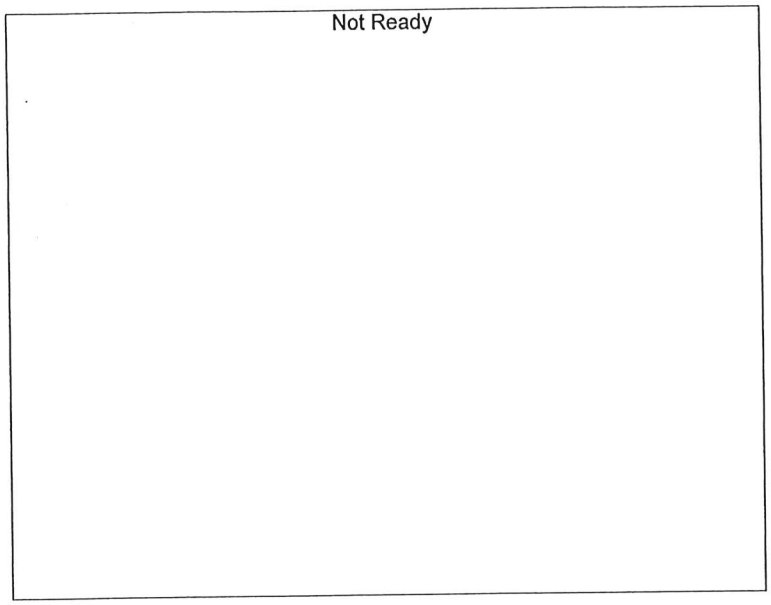
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



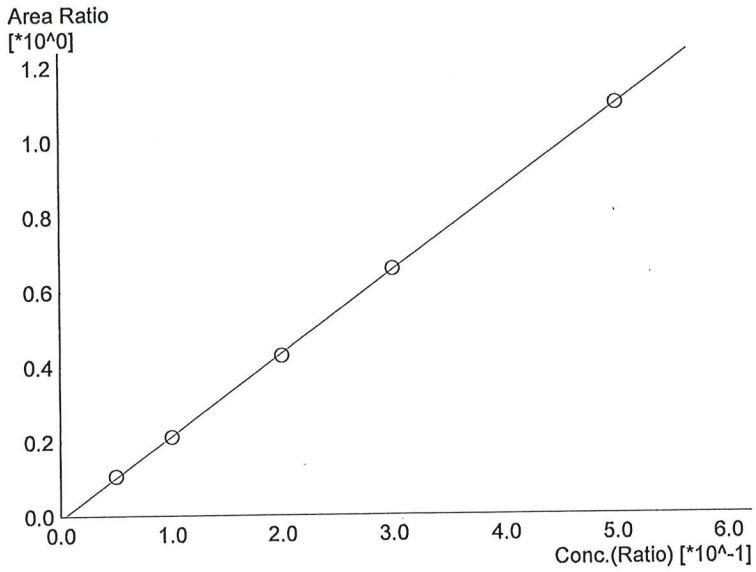
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



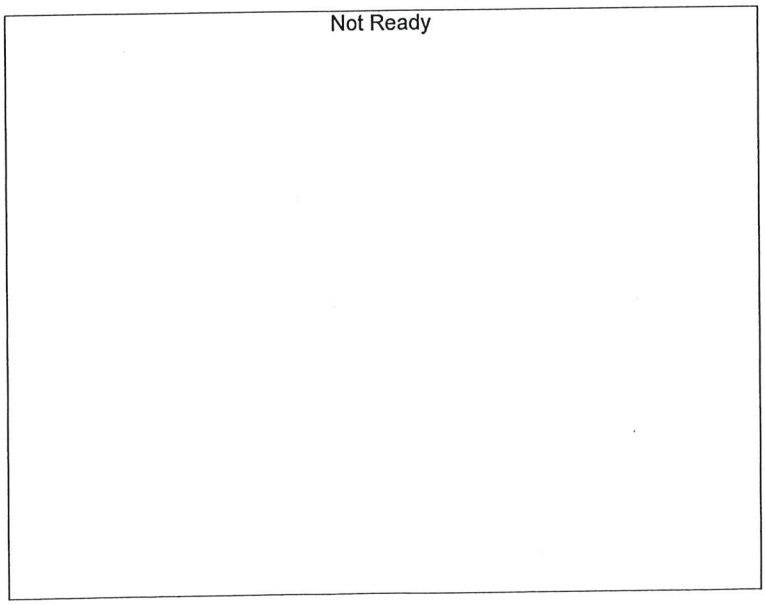
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



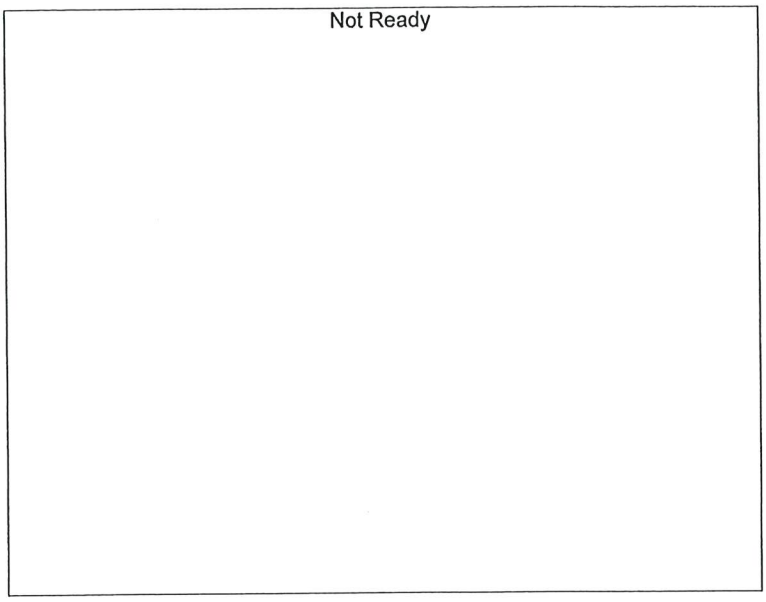
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.20990*x-0.00853298
R^2 value= 0.9998937
FitType: Linear
ZeroThrough: Not Through

#	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



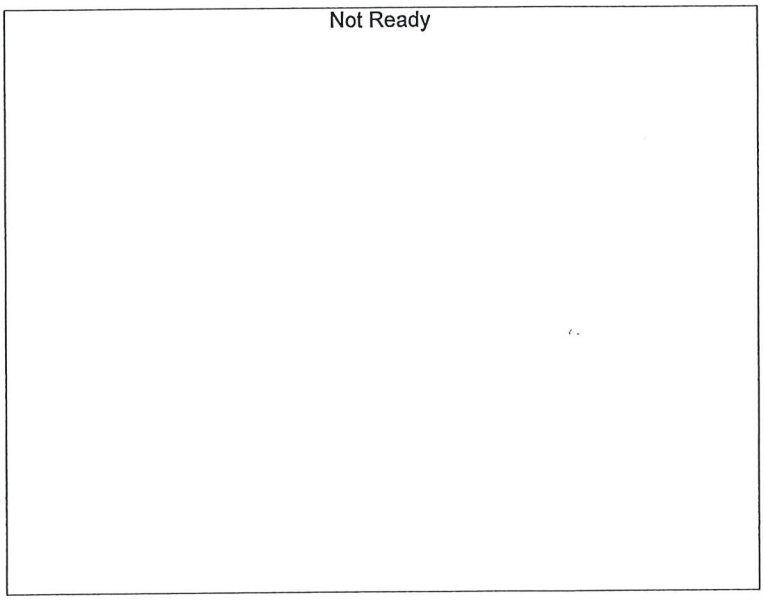
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

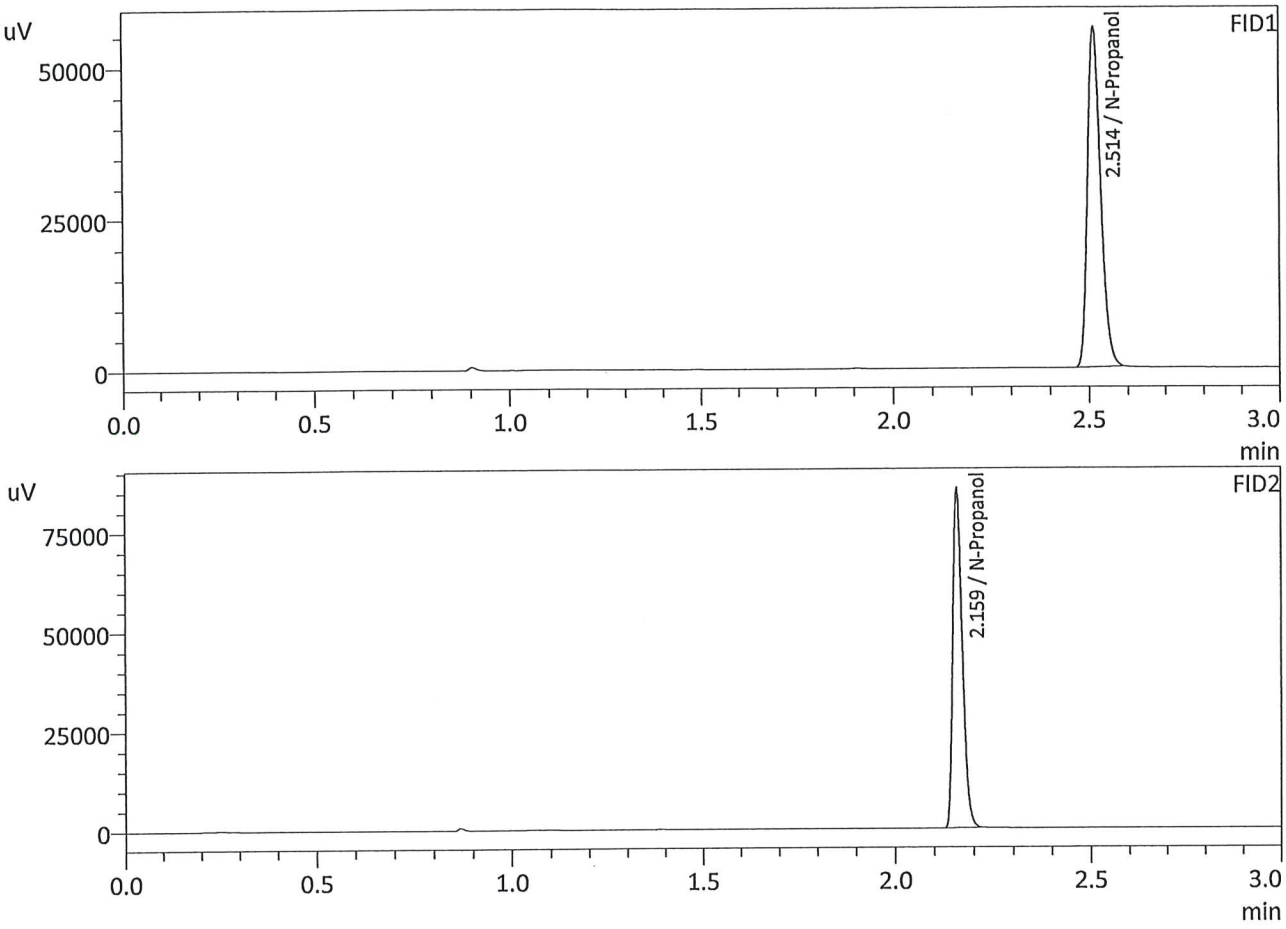
#	Conc.	Area	Std. Conc.



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

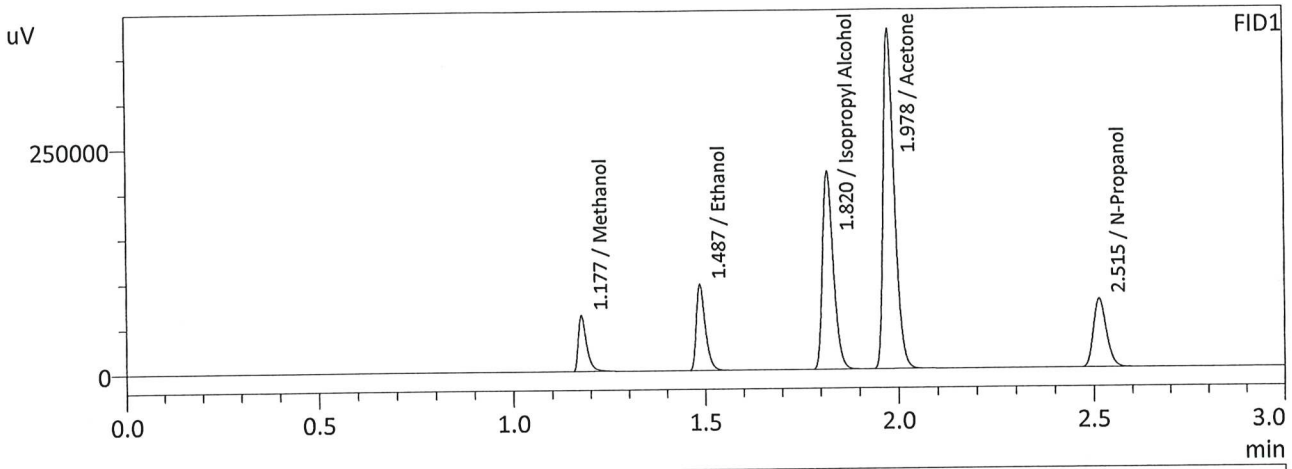
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	141948	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

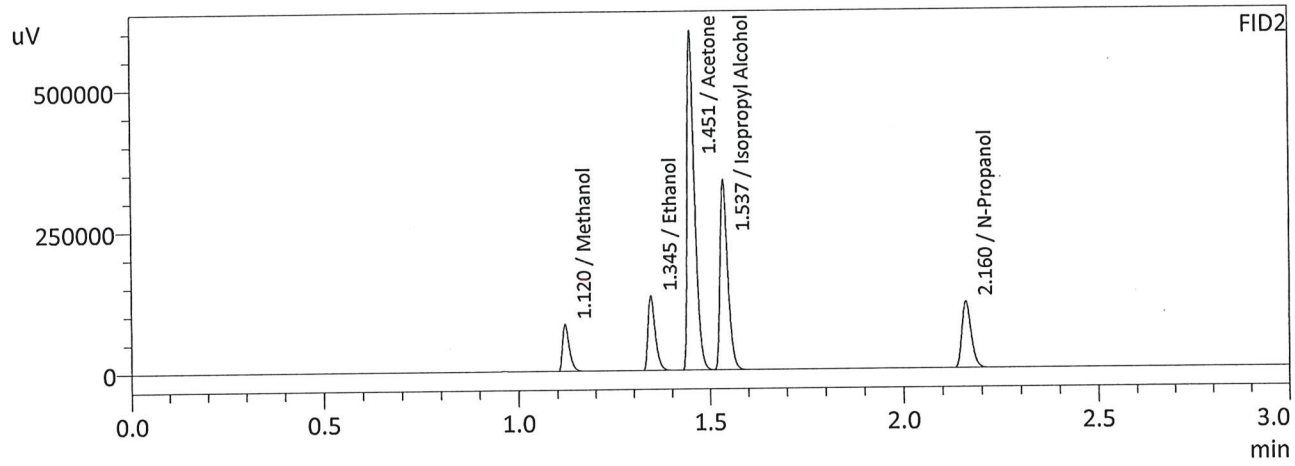
Meridian Blood Alcohol Analysis Batch Table

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	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	M2024-3119-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
8	M2024-3119-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
9	M2024-3120-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
10	M2024-3120-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
11	M2024-3121-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
12	M2024-3121-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
13	M2024-3127-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
14	M2024-3127-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
15	M2024-3128-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
16	M2024-3128-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
17	M2024-3152-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
18	M2024-3152-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
19	M2024-3154-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
20	M2024-3154-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
21	M2024-3176-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
22	M2024-3176-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
23	M2024-3177-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
24	M2024-3177-1-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	M2024-3178-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
28	M2024-3178-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
29	M2024-3196-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
30	M2024-3196-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
31	M2024-3197-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
32	M2024-3197-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
33	M2024-3205-2	0:Unknown	0	ALCOHOL 240725 GG.gcm
34	M2024-3205-2-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
35	M2024-3219-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
36	M2024-3219-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
37	M2024-3232-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
38	M2024-3232-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
39	M2024-3238-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
40	M2024-3238-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
41	M2024-3239-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
42	M2024-3239-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
43	M2024-3241-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
44	M2024-3241-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
45	M2024-3246-1	0:Unknown	0	ALCOHOL 240725 GG.gcm
46	M2024-3246-1-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
47	QC1-2	0:Unknown	0	ALCOHOL 240725 GG.gcm
48	QC1-2-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
49	QC2-2	0:Unknown	0	ALCOHOL 240725 GG.gcm
50	QC2-2-B	0:Unknown	0	ALCOHOL 240725 GG.gcm
51	INT STD BLK	0:Unknown	0	ALCOHOL 240725 GG.gcm

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 8/5/2024 11:44:36 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	93778	g/100cc
Ethanol	0.4077	157849	g/100cc
Isopropyl Alcohol	0.0000	427878	g/100cc
Acetone	0.0000	738429	g/100cc
N-Propanol	0.0000	177611	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	102045	g/100cc
Ethanol	0.4072	172462	g/100cc
Acetone	0.0000	804383	g/100cc
Isopropyl Alcohol	0.0000	463686	g/100cc
N-Propanol	0.0000	193457	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 8/5/2024 12:08:31 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0787	0.0788	0.0001	0.0787	0.0019	0.0797
(g/100cc)	0.0806	0.0807	0.0001	0.0806		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240725_GG.gcm

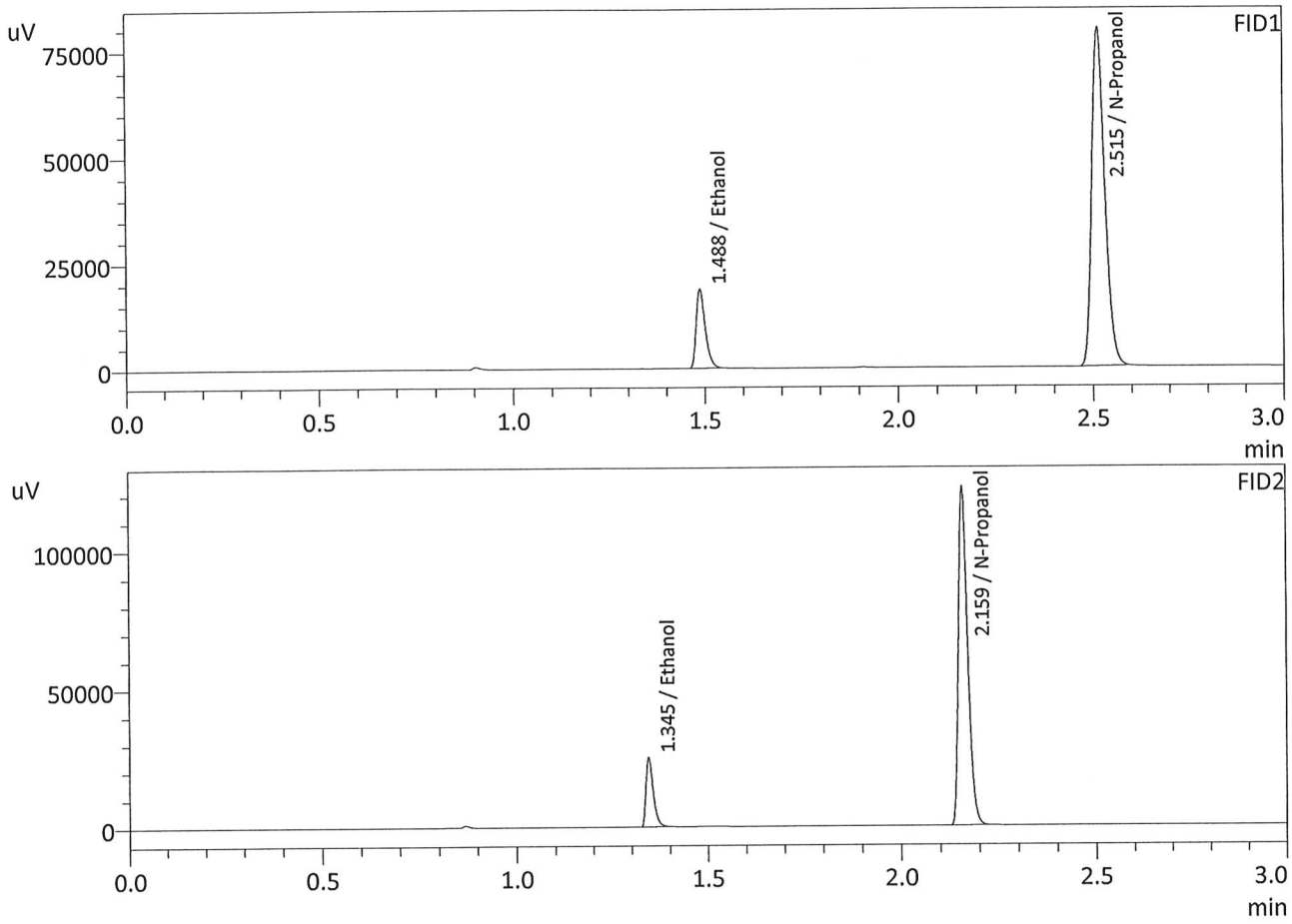
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

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 : 0.08 QA
Laboratory : Meridian
Injection Date : 8/5/2024 12:08:31 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



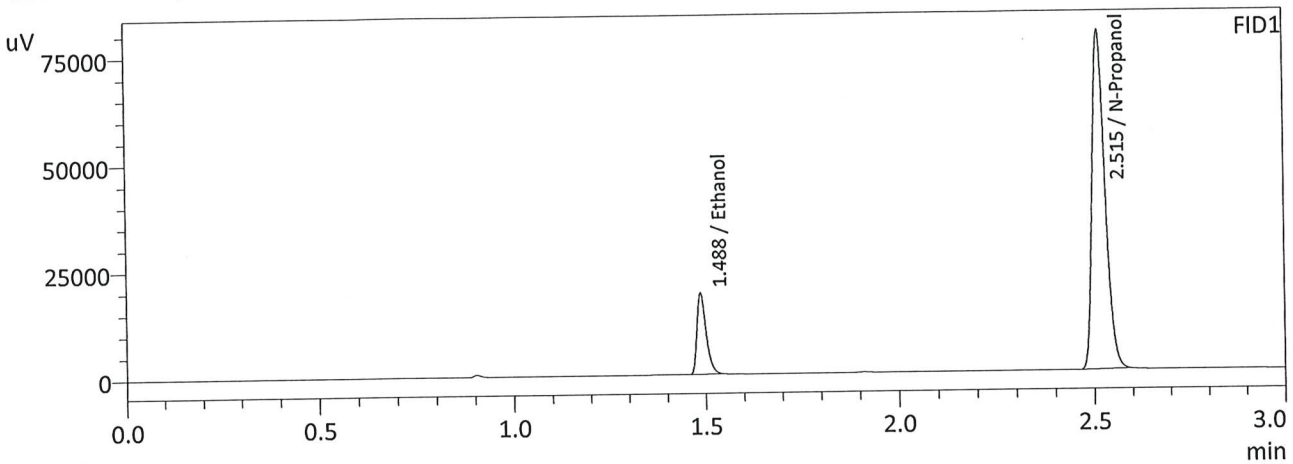
FID1

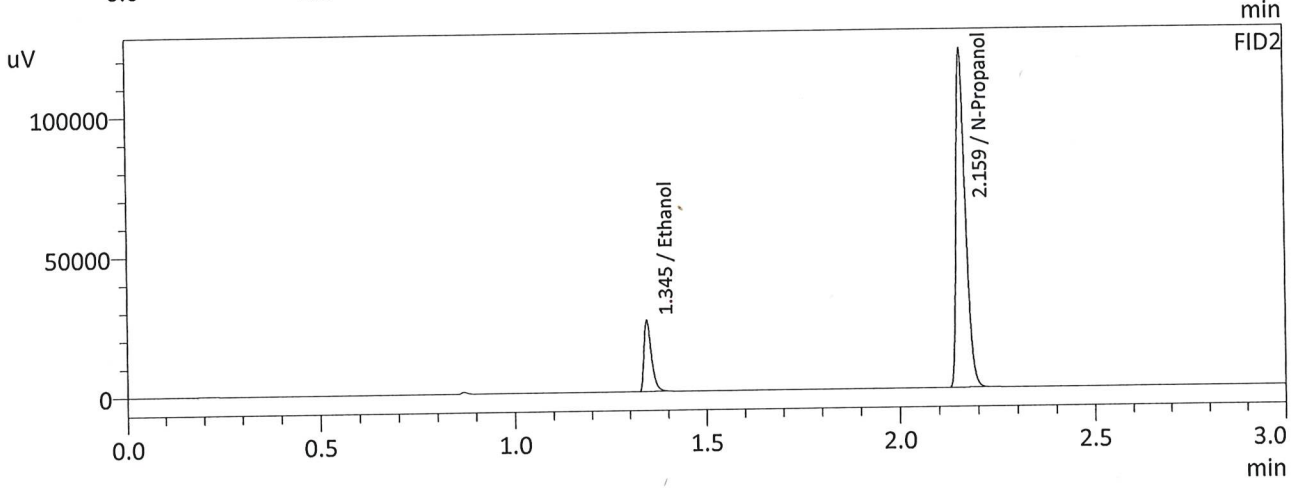
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0787	30900	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186340	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	33543	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202525	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 8/5/2024 12:16:58 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	0.0806	31367	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184441	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	34061	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200449	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 8/5/2024 11:52:16 AM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0810	0.0001	0.0809	0.0014	0.0802
(g/100cc)	0.0795	0.0796	0.0001	0.0795		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

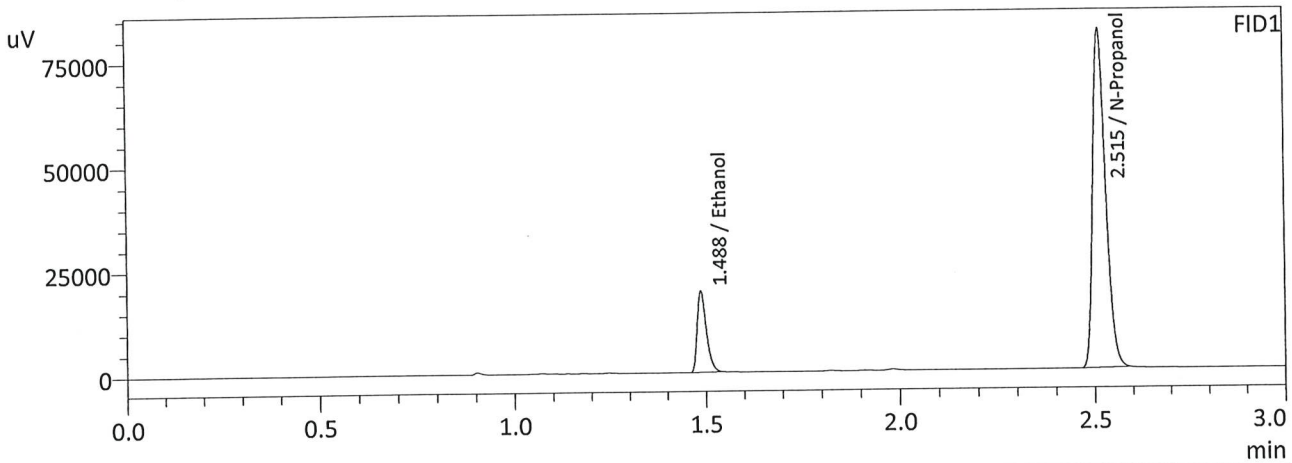
Refer To Instrument Method: ALCOHOL_240725_GG.gcm

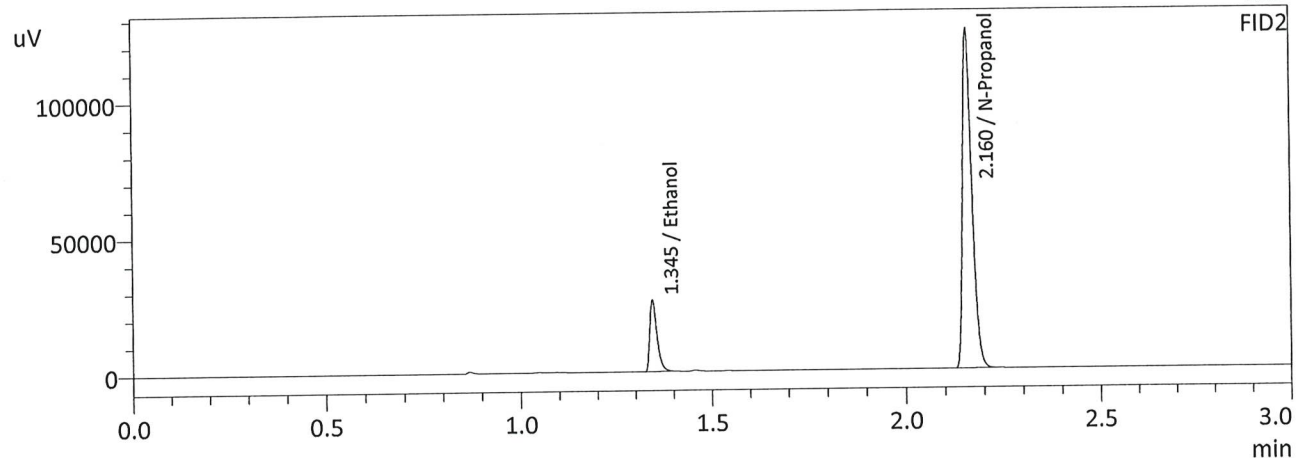
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results
0.080

Calibration and control data are stored centrally.

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 8/5/2024 11:52:16 AM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





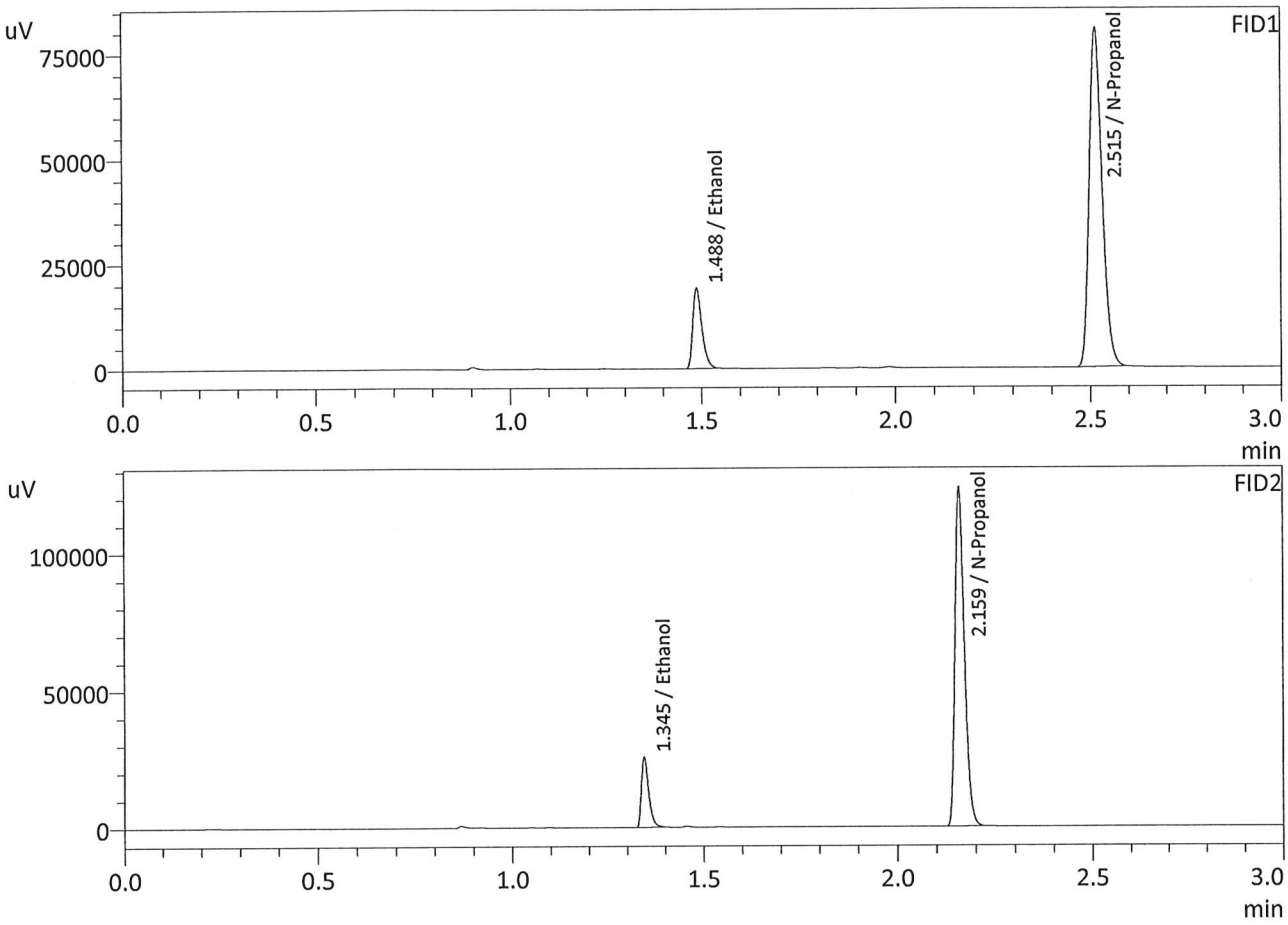
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0809	32283	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188994	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	35070	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205584	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 8/5/2024 12:00:42 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	0.0795	31529	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188085	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0796	34251	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204428	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

bv

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2 **Analysis Date(s): 8/5/2024 5:48:45 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0836	0.0836	0.0000	0.0836	0.0002	0.0837
(g/100cc)	0.0838	0.0838	0.0000	0.0838		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

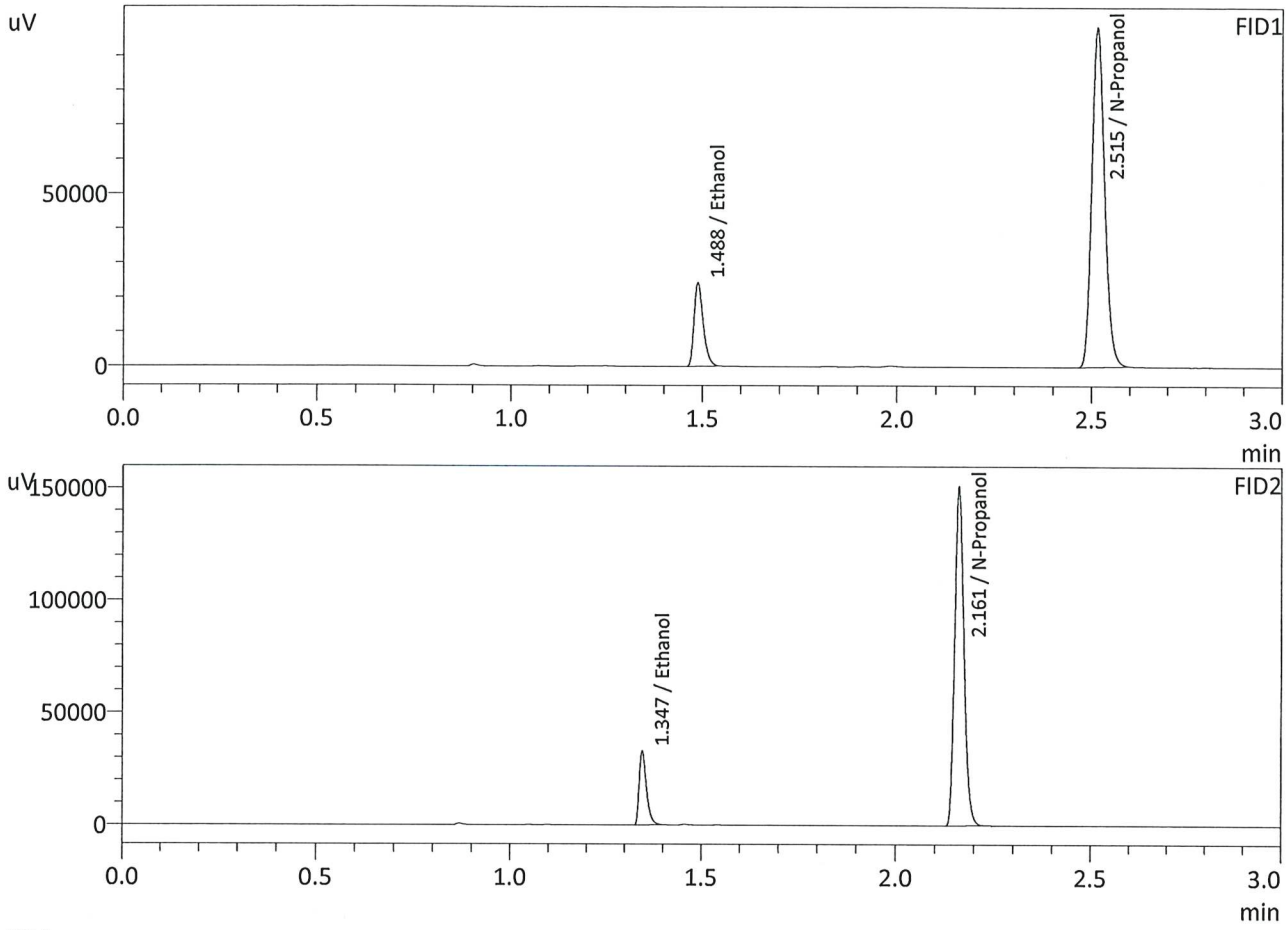
Refer To Instrument Method: ALCOHOL_240725_GG.gcm

Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	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 : 8/5/2024 5:48:45 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



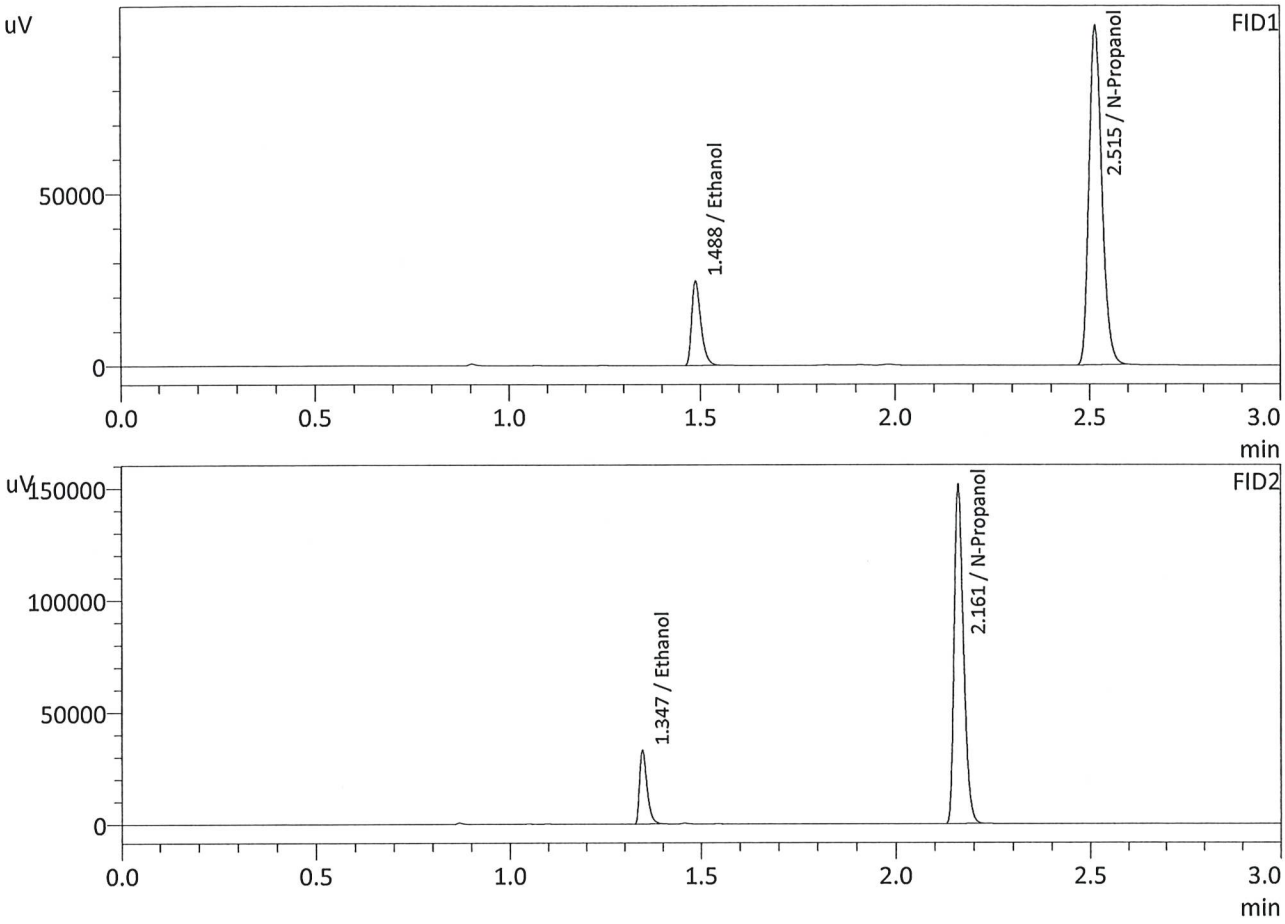
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0836	40498	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	229134	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0836	44015	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	249494	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 8/5/2024 5:58:16 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	0.0838	40679	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	229782	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0838	44174	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	250040	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 8/5/2024 2:49:02 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2096	0.2096	0.0000	0.2096	0.0027	0.2082
(g/100cc)	0.2070	0.2069	0.0001	0.2069		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240725_GG.gcm

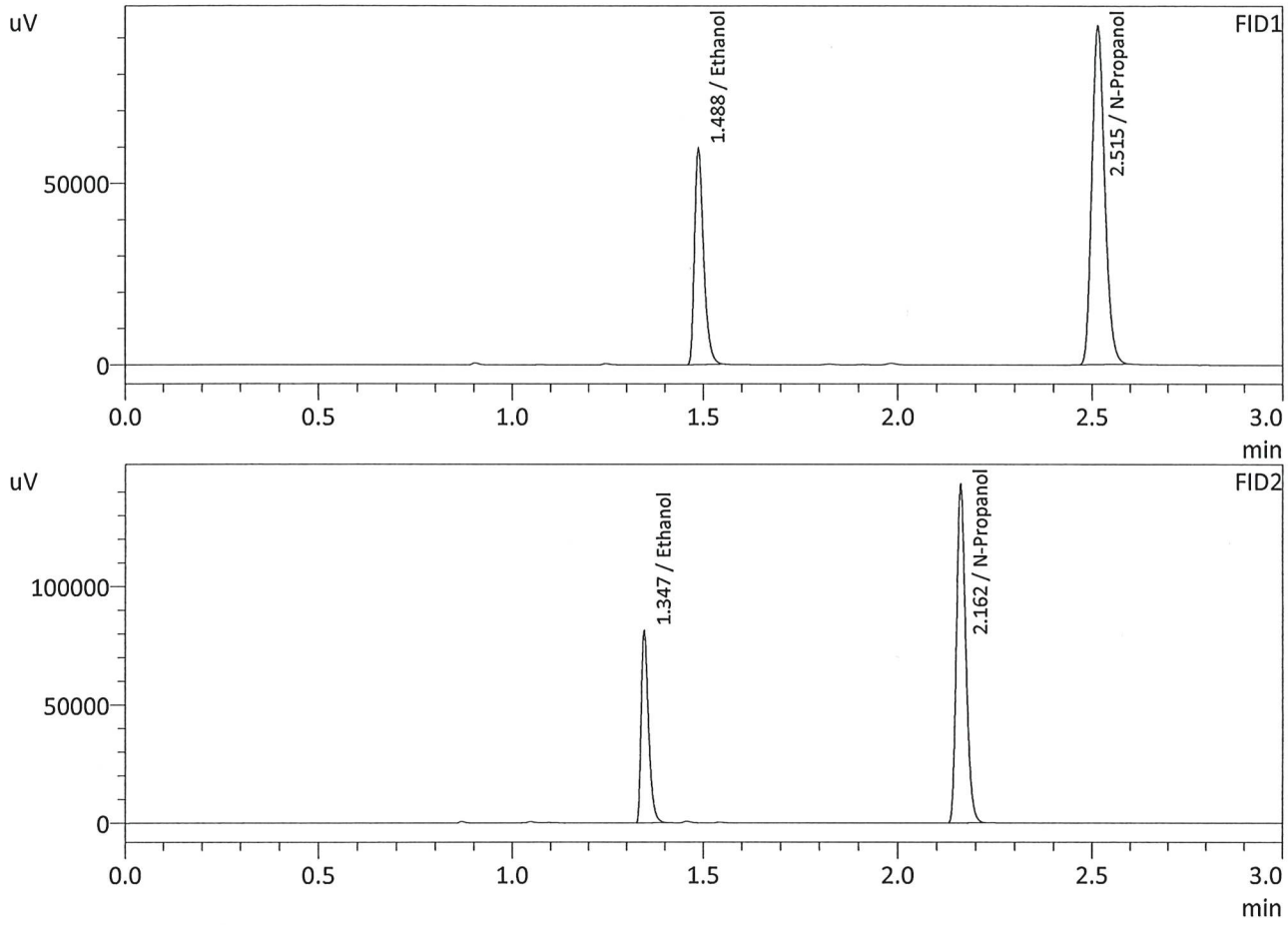
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

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 : QC-2-1
Laboratory : Meridian
Injection Date : 8/5/2024 2:49:02 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



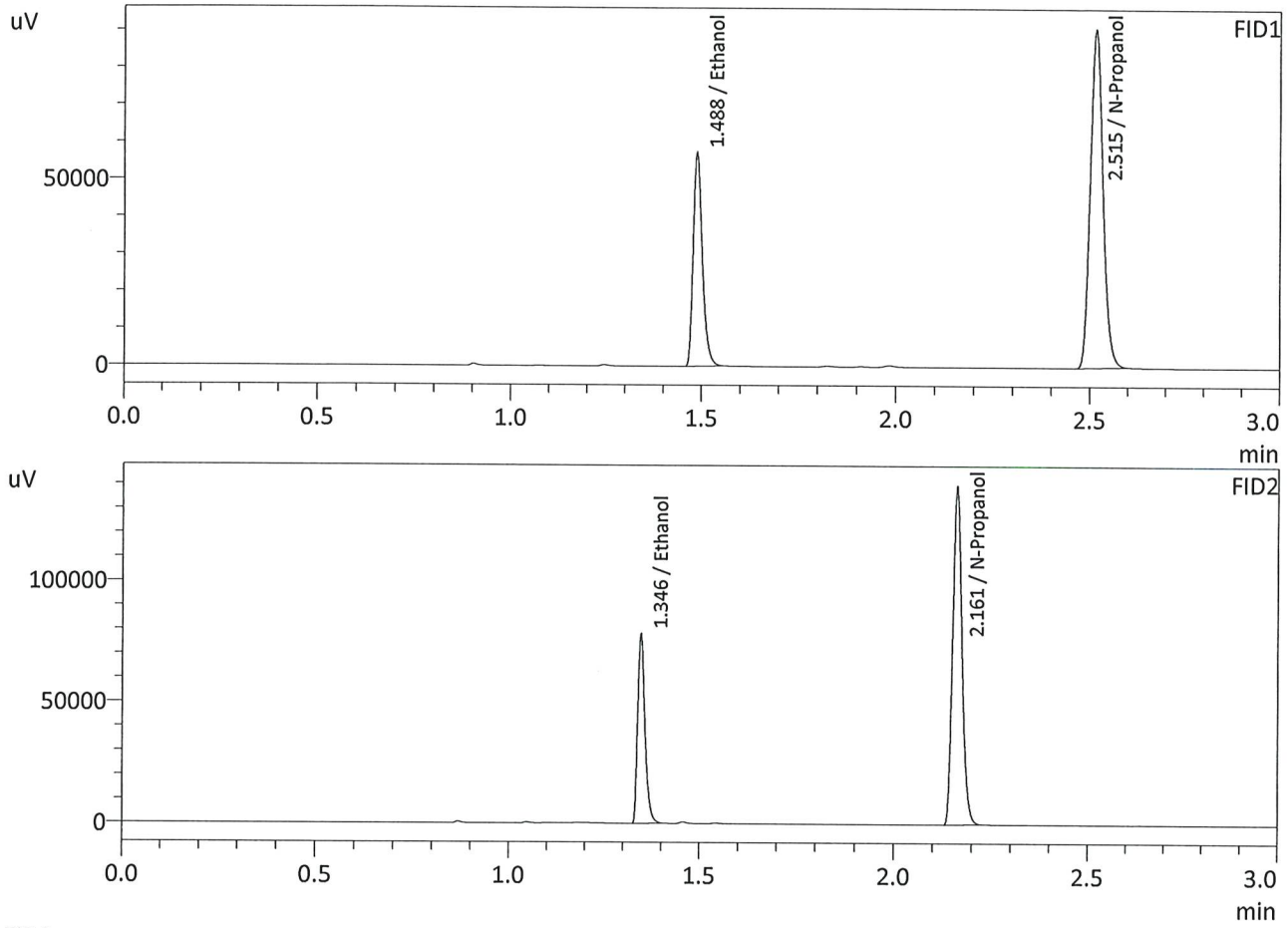
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2096	98523	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217247	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2096	107555	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236452	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 8/5/2024 2:57:12 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	0.2070	94918	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211979	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2069	103597	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	230820	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2 **Analysis Date(s): 8/5/2024 6:05:41 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2099	0.2095	0.0004	0.2097	0.0001	0.2097
(g/100cc)	0.2102	0.2095	0.0007	0.2098		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240725_GG.gcm

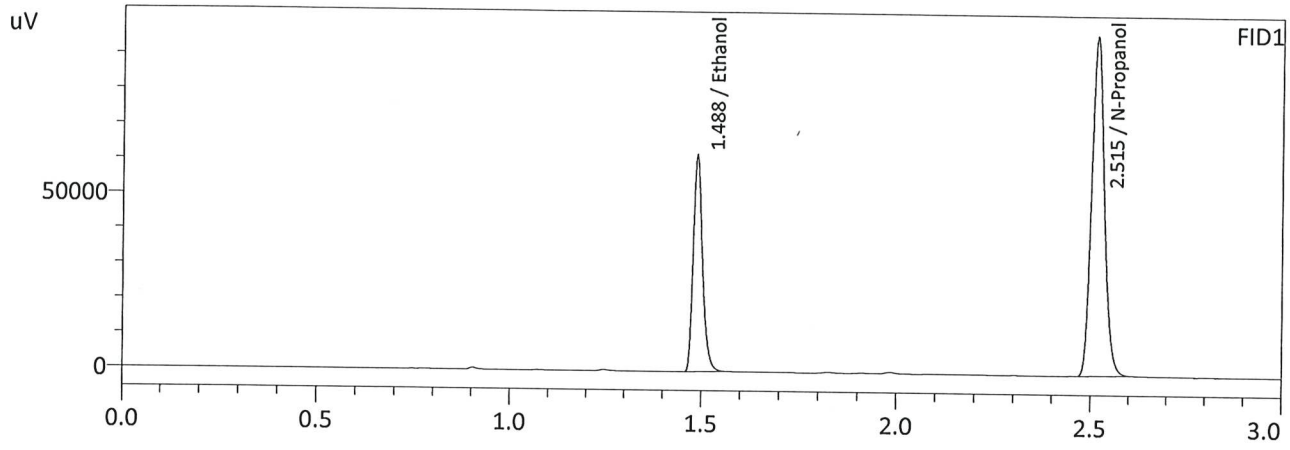
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

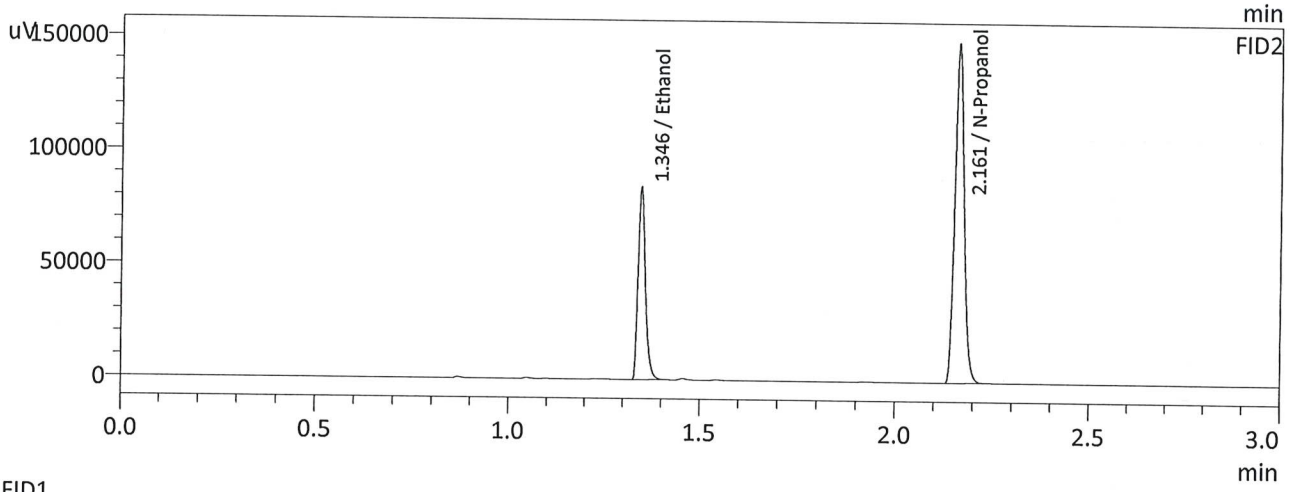
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.209	0.198	0.220	0.011

Reported Results
0.209

Calibration and control data are stored centrally.

Sample Name : QC2-2
Laboratory : Meridian
Injection Date : 8/5/2024 6:05:41 PM
Vial # : 49
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





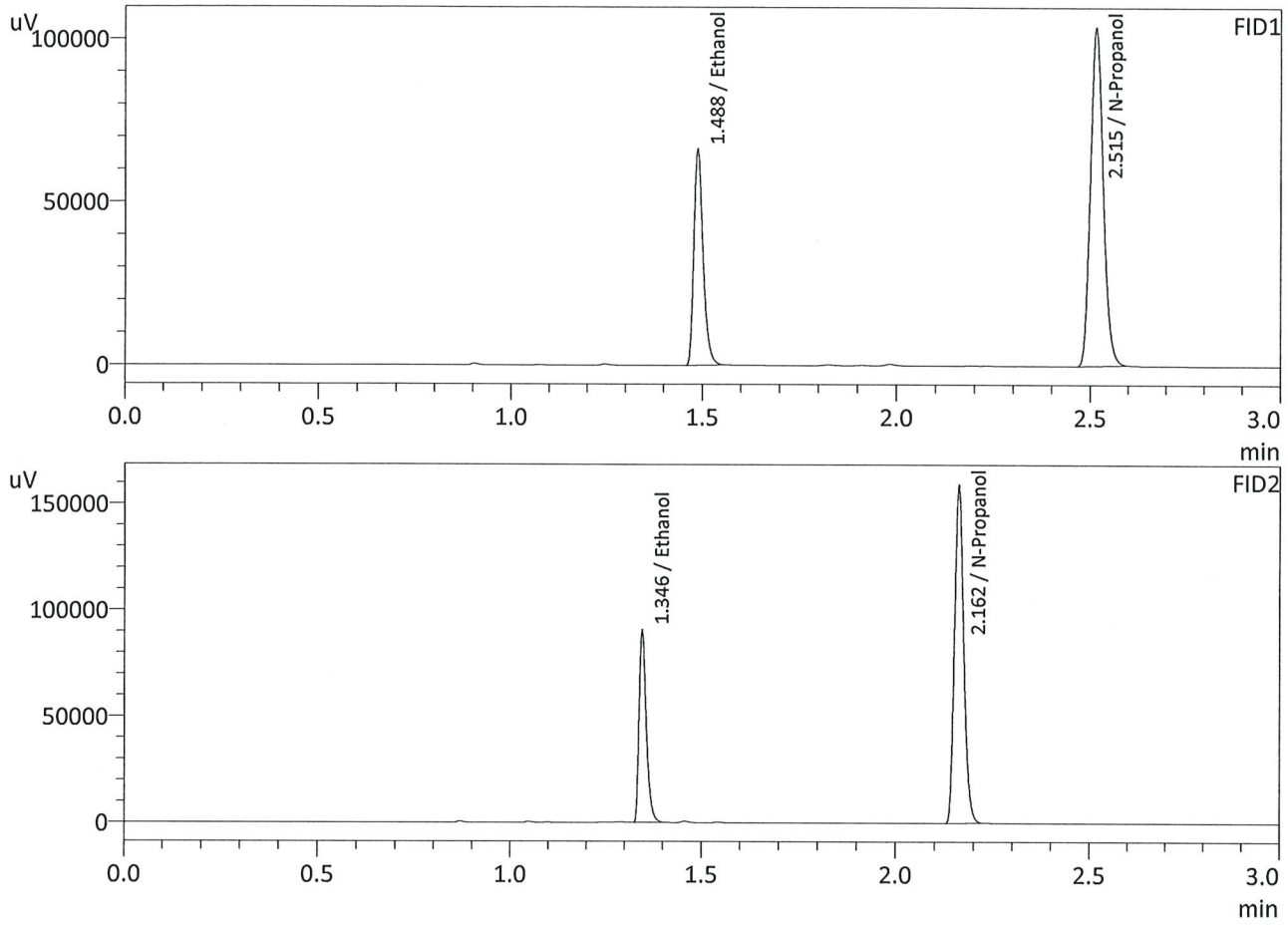
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2099	102811	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	226459	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2095	112046	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	246532	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 8/5/2024 6:13:44 PM
Vial # : 50
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

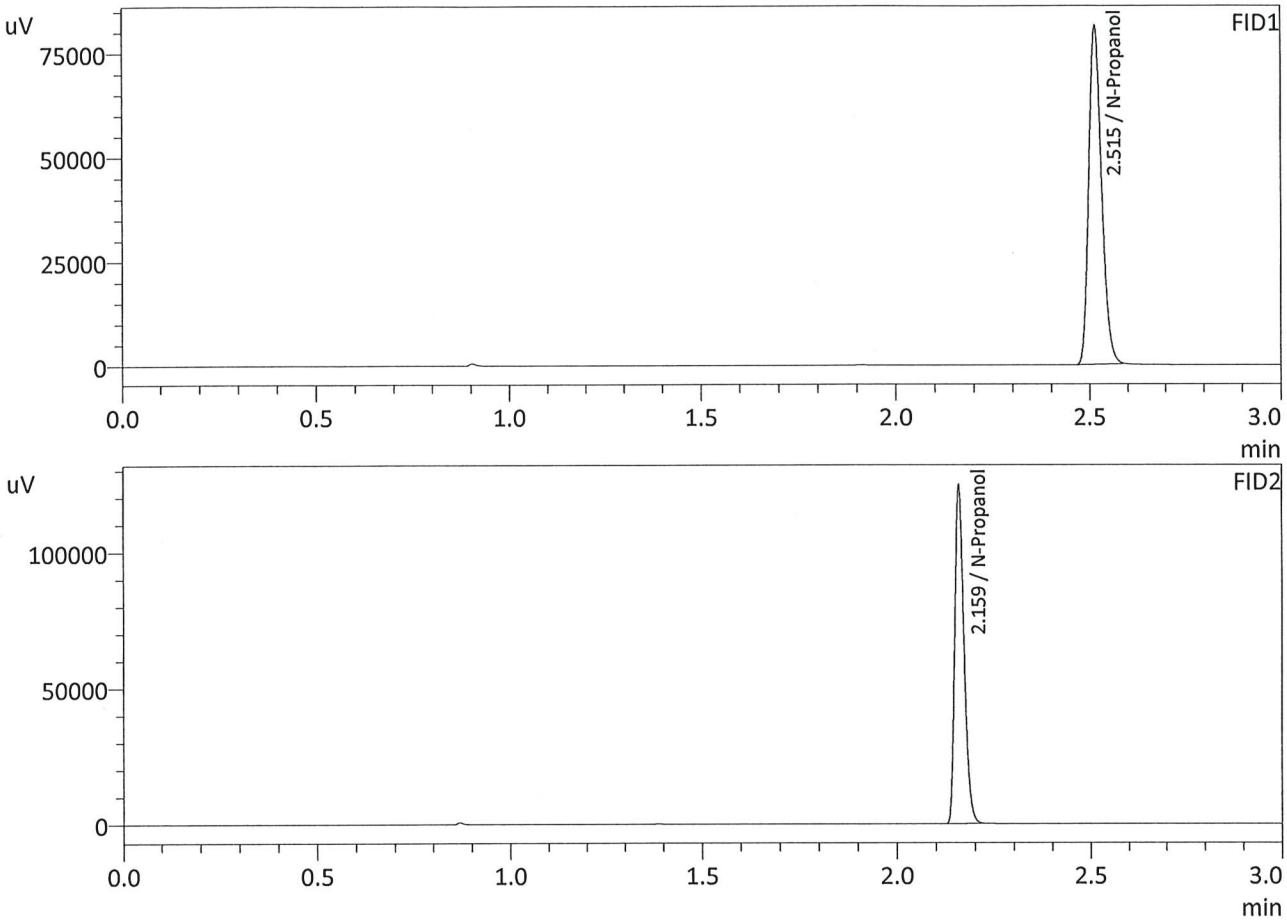
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2102	109773	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	241381	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2095	119451	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	262836	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

IV

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 8/5/2024 11:37:16 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240725_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



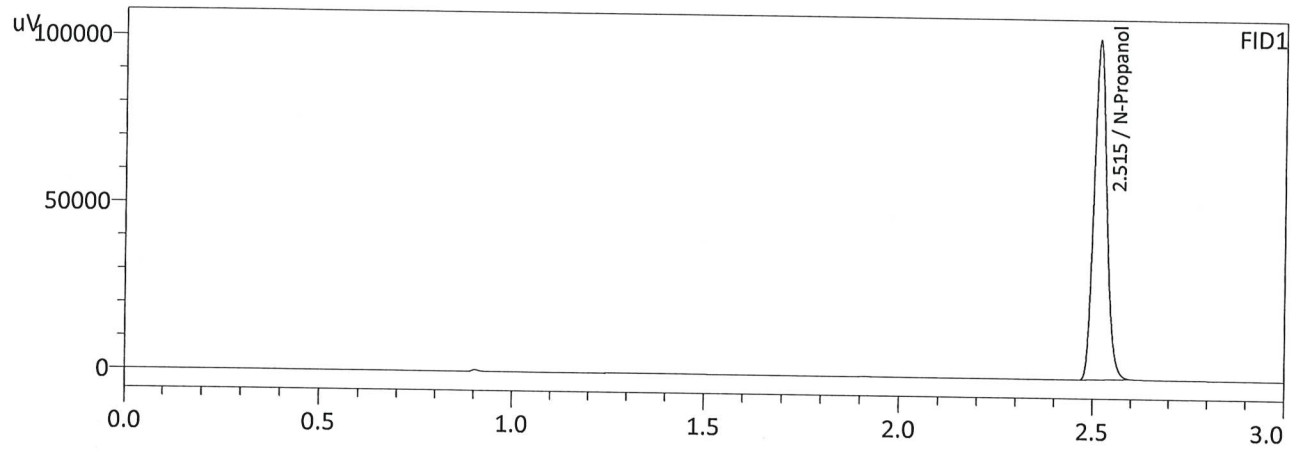
FID1

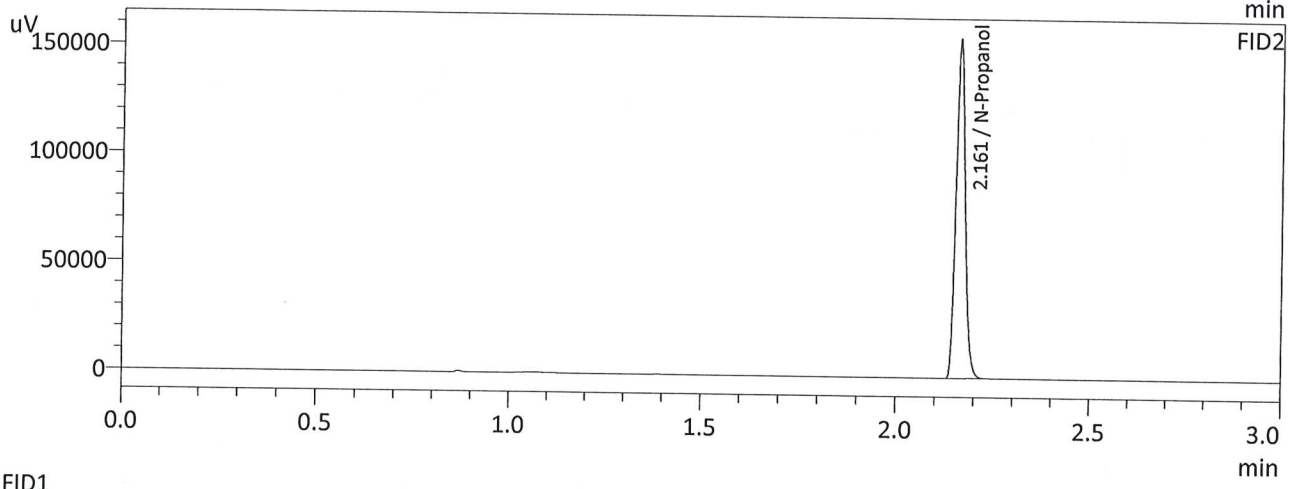
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189657	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206205	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 8/5/2024 6:22:01 PM
Vial # : 51
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	236712	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	257665	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc