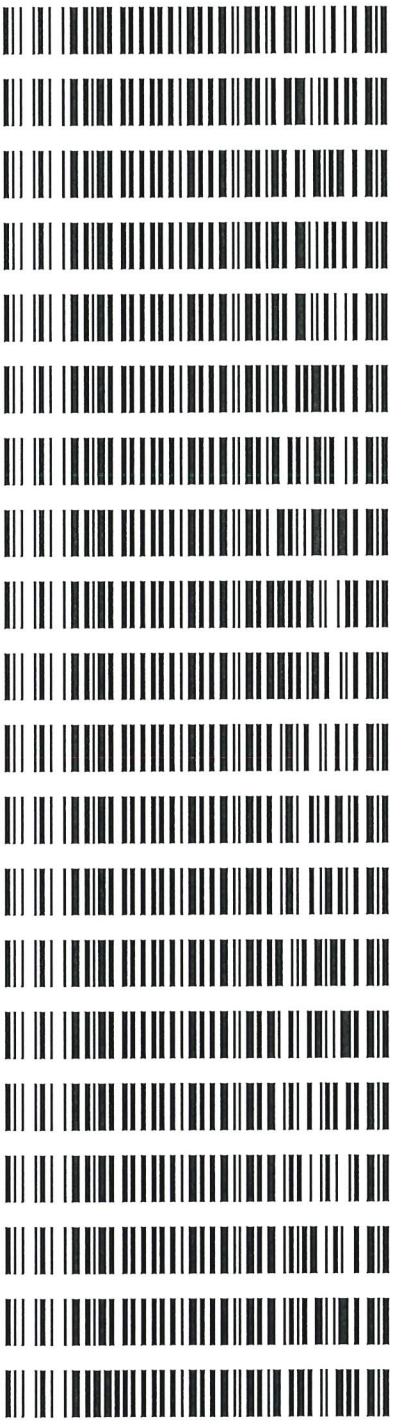
APPROVED
By John Garner at 10:46 am, Jun 27, 2024

6/27/2024

Worklist: 6856

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-2437	1	BCK	Alcohol Analysis
M2024-2441	1	BCK	Alcohol Analysis
M2024-2456	1	BCK	Alcohol Analysis
M2024-2459	1	BCK	Alcohol Analysis
M2024-2460	1	BCK	Alcohol Analysis
M2024-2461	2	BCK	Alcohol Analysis
M2024-2464	1	BCK	Alcohol Analysis
M2024-2482	2	BCK	Alcohol Analysis
M2024-2485	1	BCK	Alcohol Analysis
M2024-2486	1	BCK	Alcohol Analysis
M2024-2503	1	BCK	Alcohol Analysis
M2024-2504	1	BCK	Alcohol Analysis
M2024-2505	1	BCK	Alcohol Analysis
M2024-2547	1	BCK	Alcohol Analysis
M2024-2584	1	BCK	Alcohol Analysis
M2024-2585	1	BCK	Alcohol Analysis
M2024-2586	1	BCK	Alcohol Analysis
M2024-2587	1	BCK	Alcohol Analysis
M2024-2588	1	BCK	Alcohol Analysis
P2024-1886	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):** 06/26/2024 | **Calibration Date:** *06/14/2024* | **Worklist #:** 6856

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0810 g/100cc
					0.0858 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2103 g/100cc
					0.2133 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:	Column 1	0.99973	Column2	0.99970	

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0525	0.0524	1E-04	0.0524
100	0.100	0.090 - 0.110	0.1011	0.1015	0.0004	0.1013
200	0.200	0.180 - 0.220	0.1954	0.1951	0.0003	0.1952
300	0.300	0.270 - 0.330	0.2986	0.2987	0.0001	0.2986
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5021	0.5021	0	0.5021

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

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

Internal Standard Monitoring Worksheet

Worklist #: 6856 **Run Date(s):** 06/26/2024

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

Sample Name	Column 1 Value	Column 2 Value
0.080	191351	206261
0.080	191459	205988
QC1	191908	206433
QC1	191915	206415
QC1	243892	263824
QC1	227666	246502
QC1		
QC1		
QC2	219566	237240
QC2	207853	224580
QC2	226727	245267
QC2	239784	259481
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	213212.1	170569.7	255854.5
Column 2	230199.1	184159.3	276238.9

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
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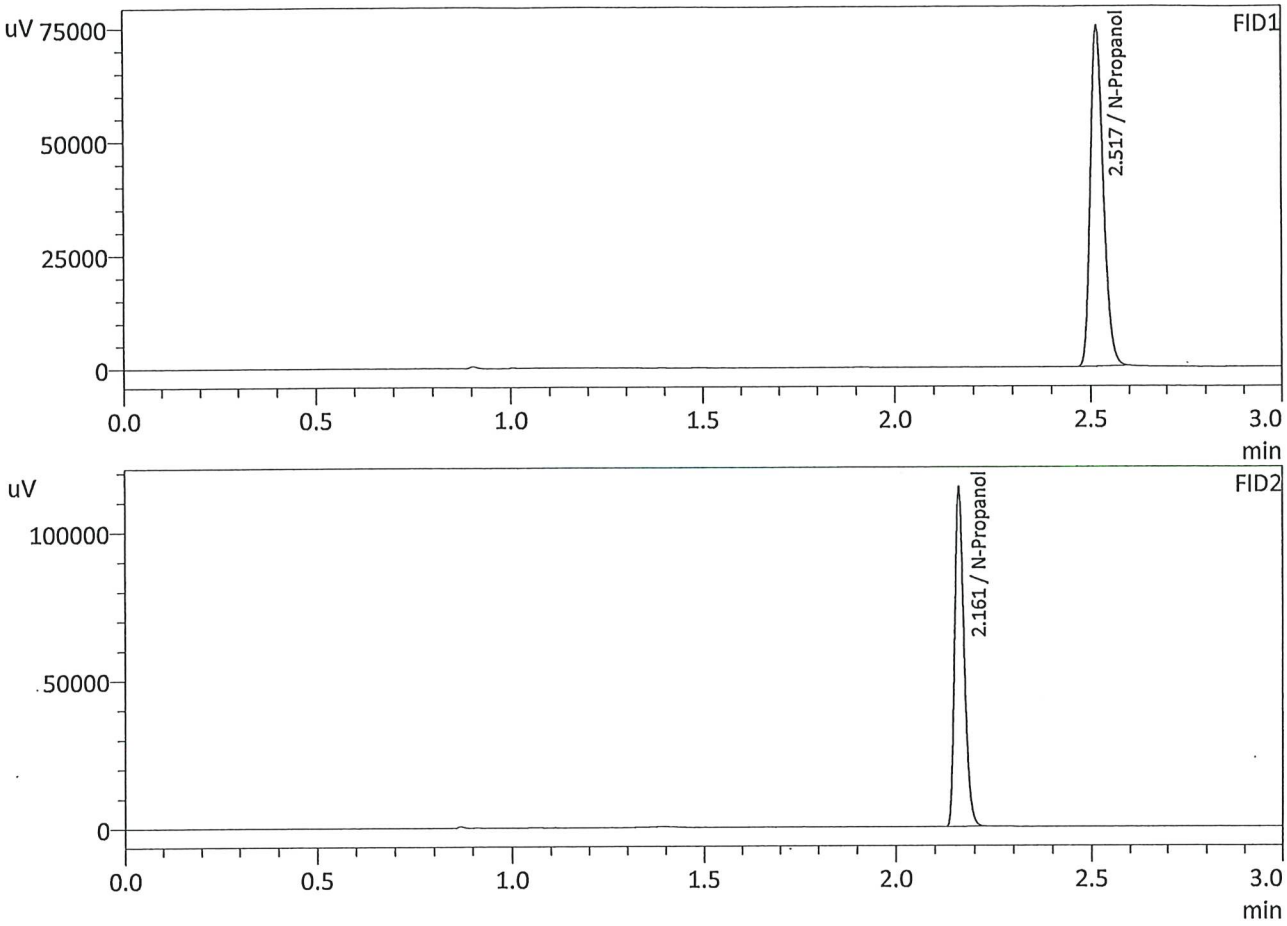
Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 240614 GG.gcm
2	0.100	1:Standard	2	ALCOHOL 240614 GG.gcm
3	0.200	1:Standard	3	ALCOHOL 240614 GG.gcm
4	0.300	1:Standard	4	ALCOHOL 240614 GG.gcm
5	0.500	1:Standard	5	ALCOHOL 240614 GG.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 240614 GG.gcm

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 6/14/2024 12:30:34 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240614_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	174567	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

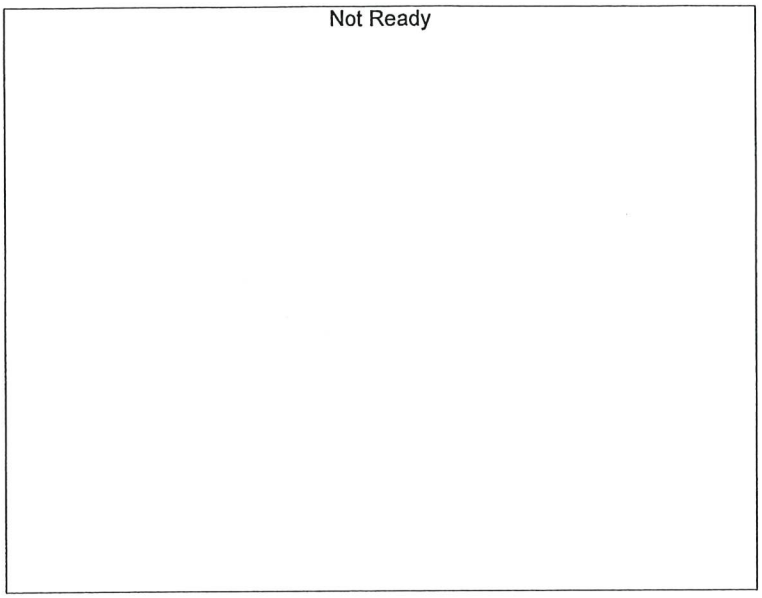
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189752	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Calibration Table

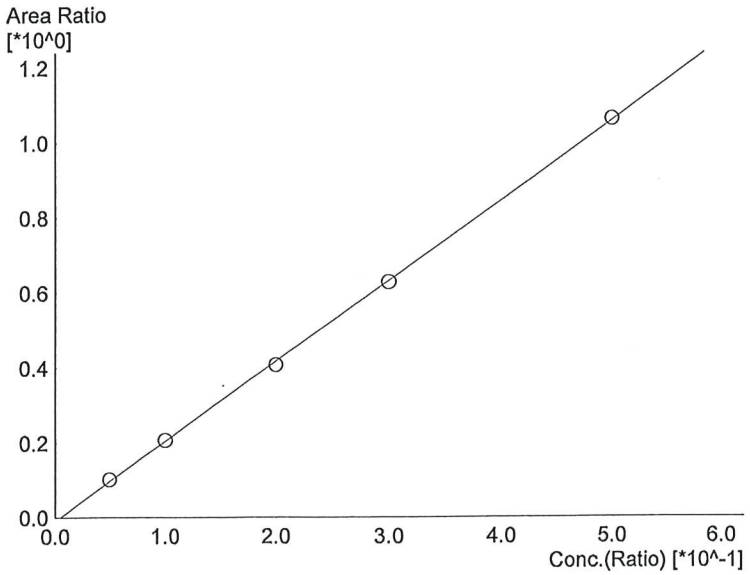
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_240614_GG.gcm
Batch File :Default Project - CALCURVE-2_240614_GG.gcb
Date Acquired :6/14/2024 12:23:18 PM
Date Created :6/14/2024 12:17:37 PM
Date Modified :6/14/2024 12:37:59 PM



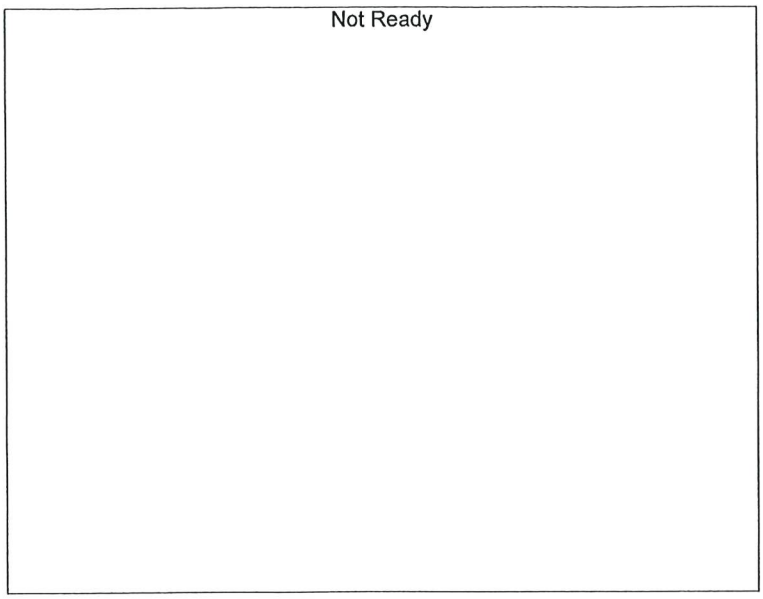
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



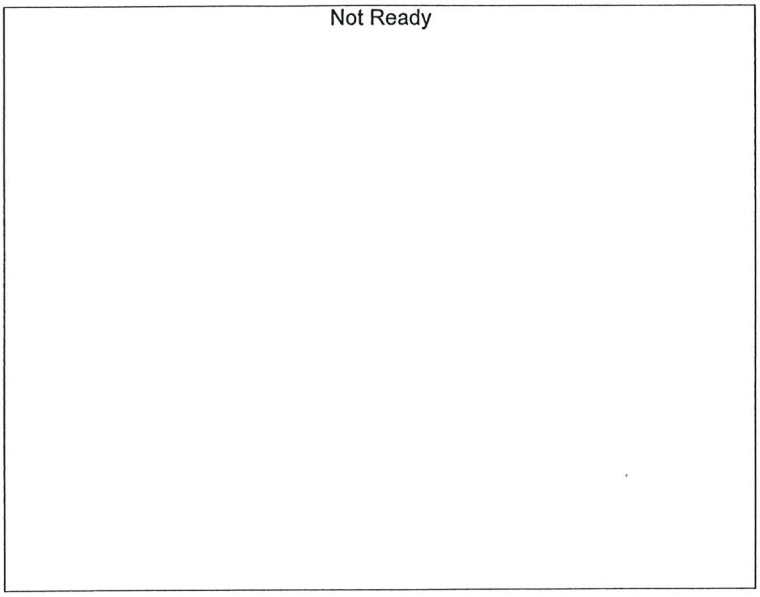
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.13797*x-0.0102582
R^2 value= 0.9997321
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	18457	0.0525
2	0.100	38397	0.1011
3	0.200	75148	0.1954
4	0.300	115919	0.2986
5	0.500	207037	0.5021



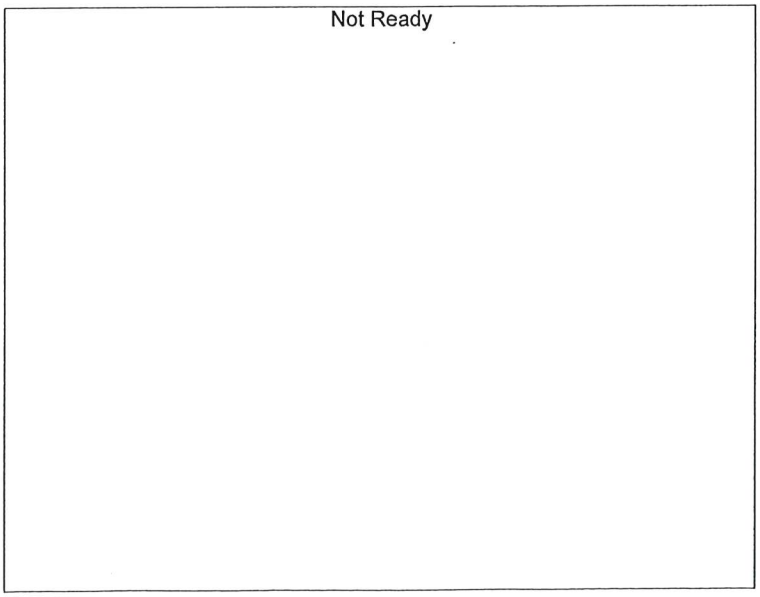
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



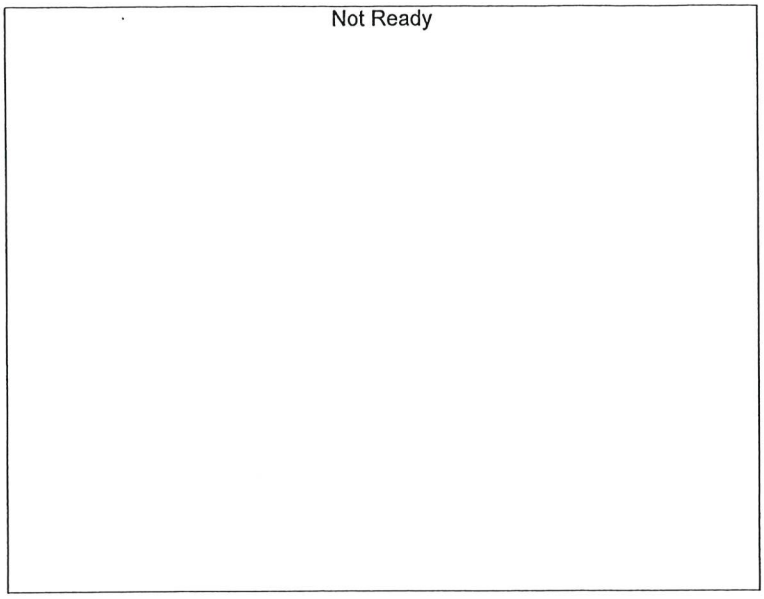
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



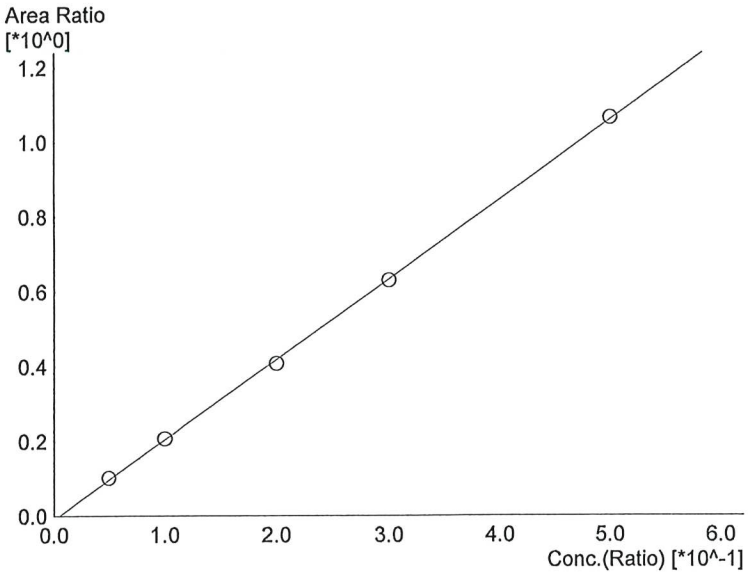
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



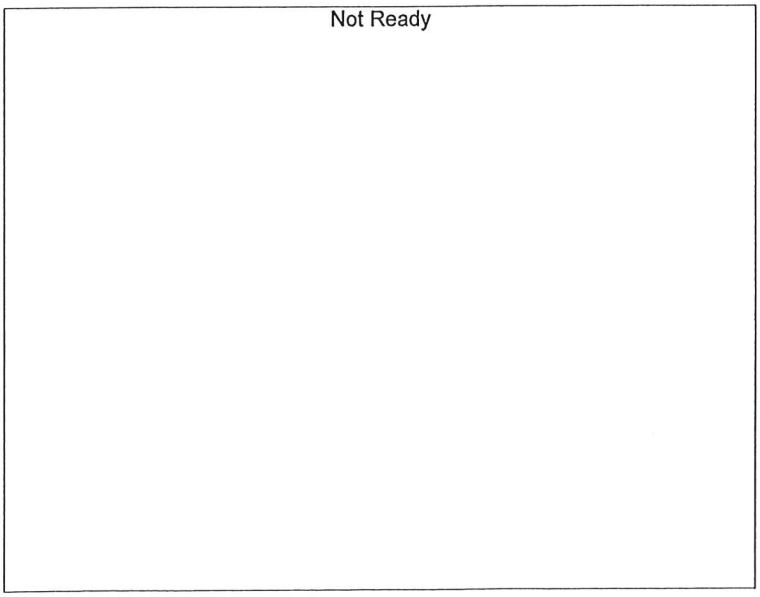
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



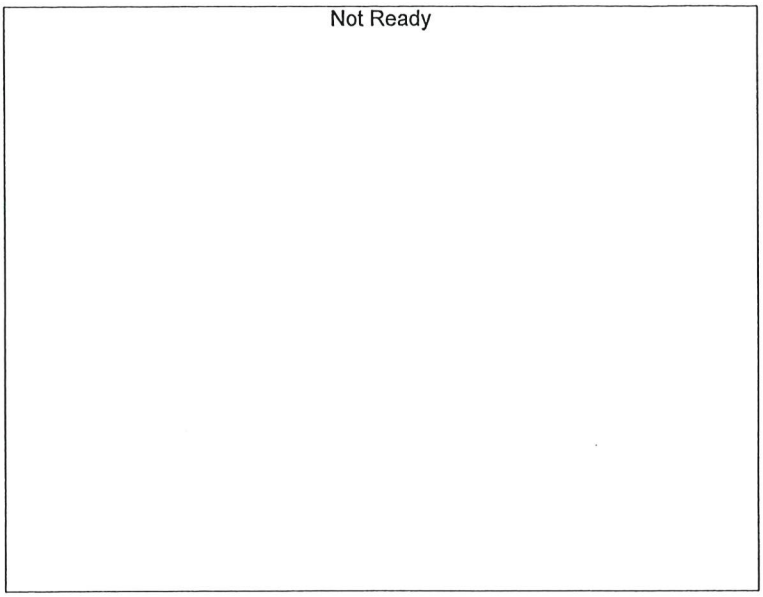
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.14414*x-0.0108165
R^2 value= 0.9997010
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19887	0.0524
2	0.100	41774	0.1015
3	0.200	81315	0.1951
4	0.300	125927	0.2987
5	0.500	225134	0.5021



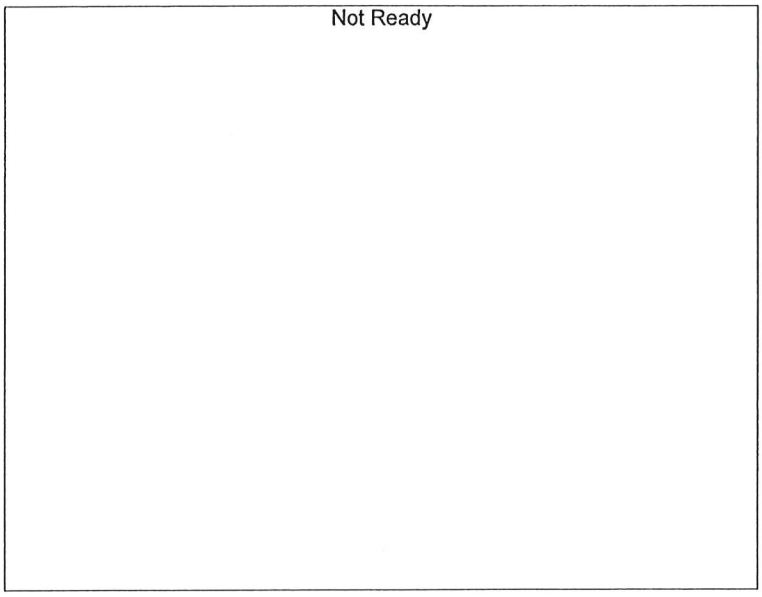
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

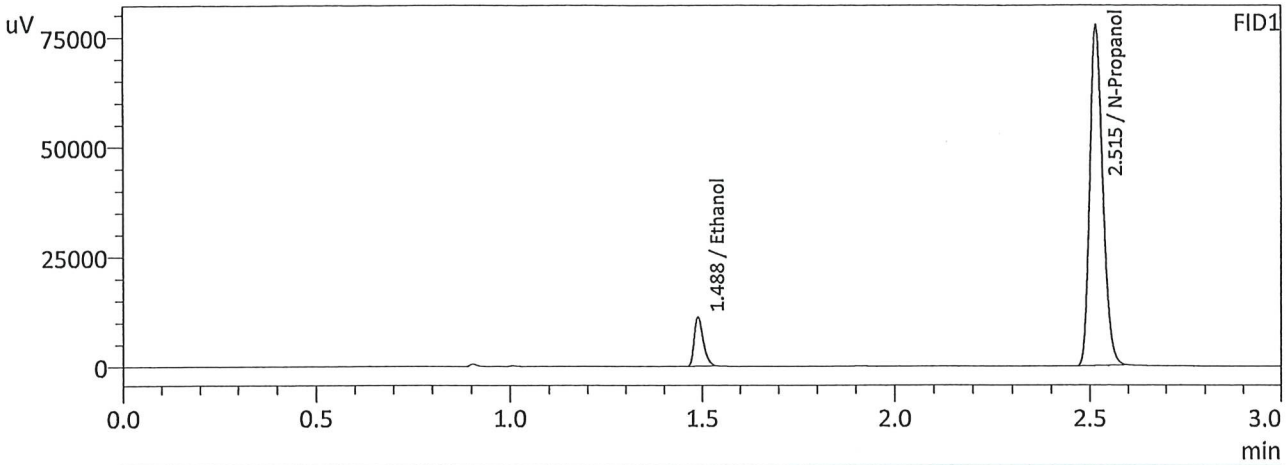
#	Conc.	Area	Std. Conc.

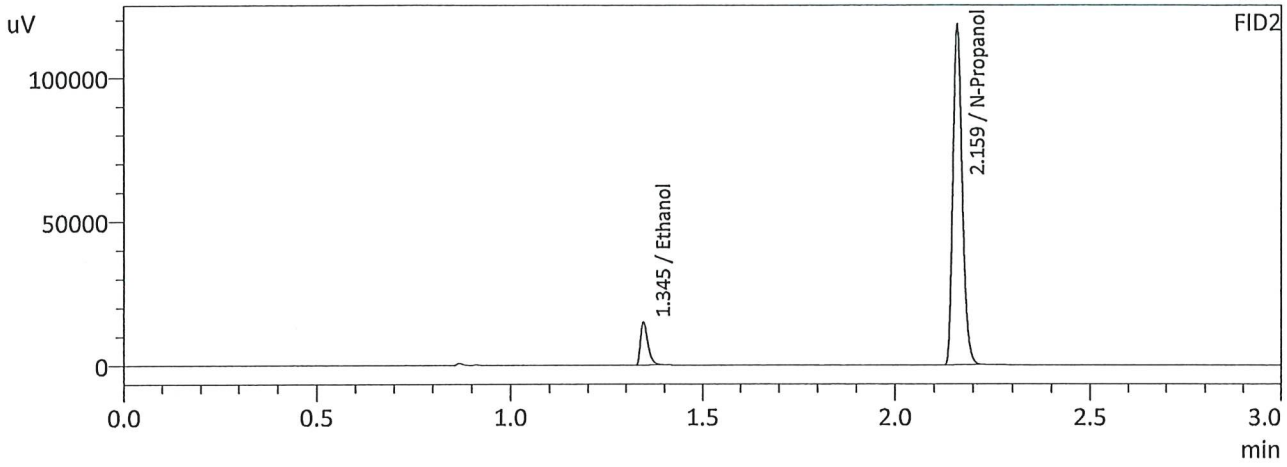


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 6/14/2024 11:51:06 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





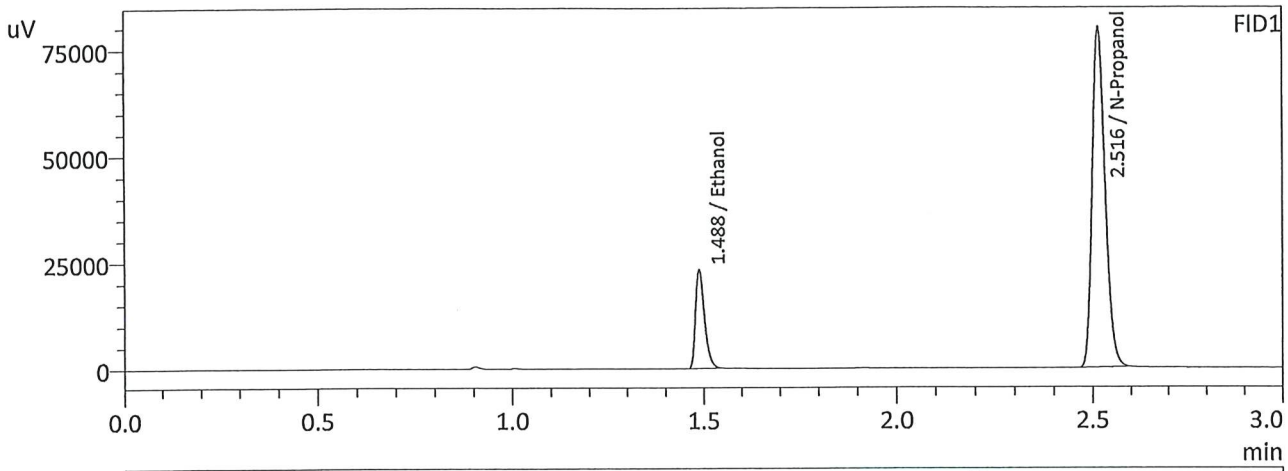
FID1

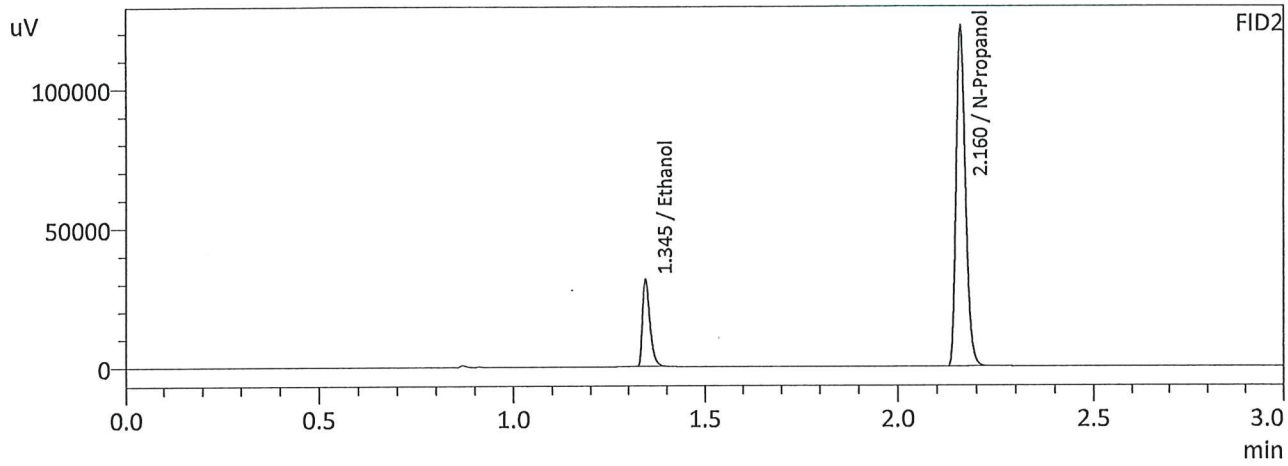
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0525	18457	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	180869	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0524	19887	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	195598	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 6/14/2024 11:58:25 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





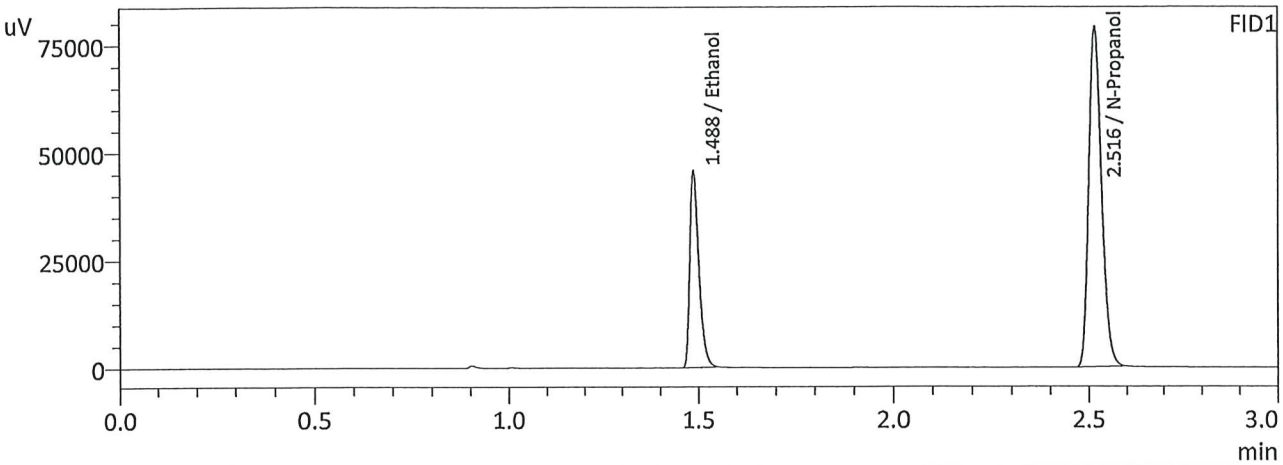
FID1

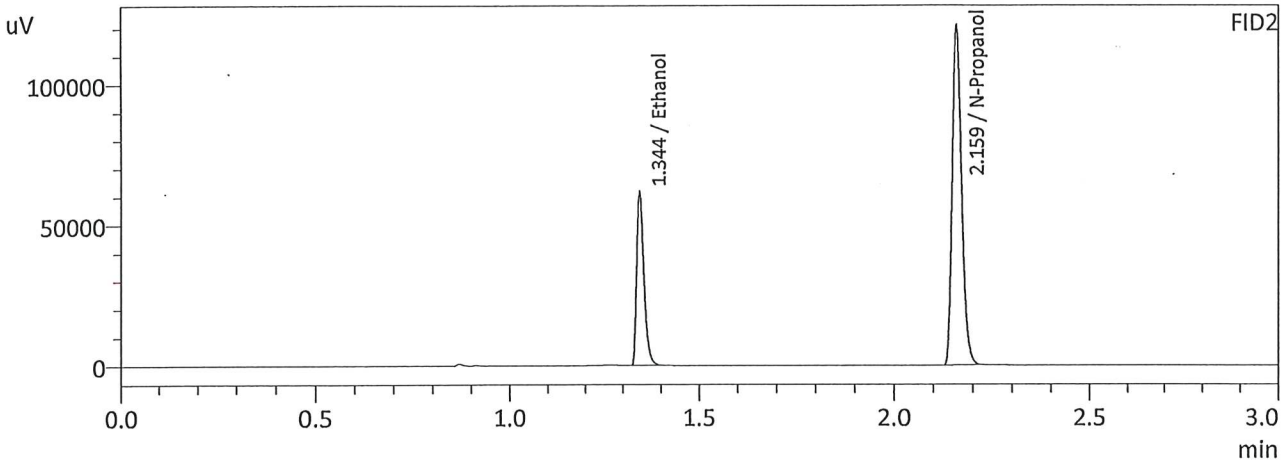
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1011	38397	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186308	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1015	41774	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201965	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 6/14/2024 12:05:50 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





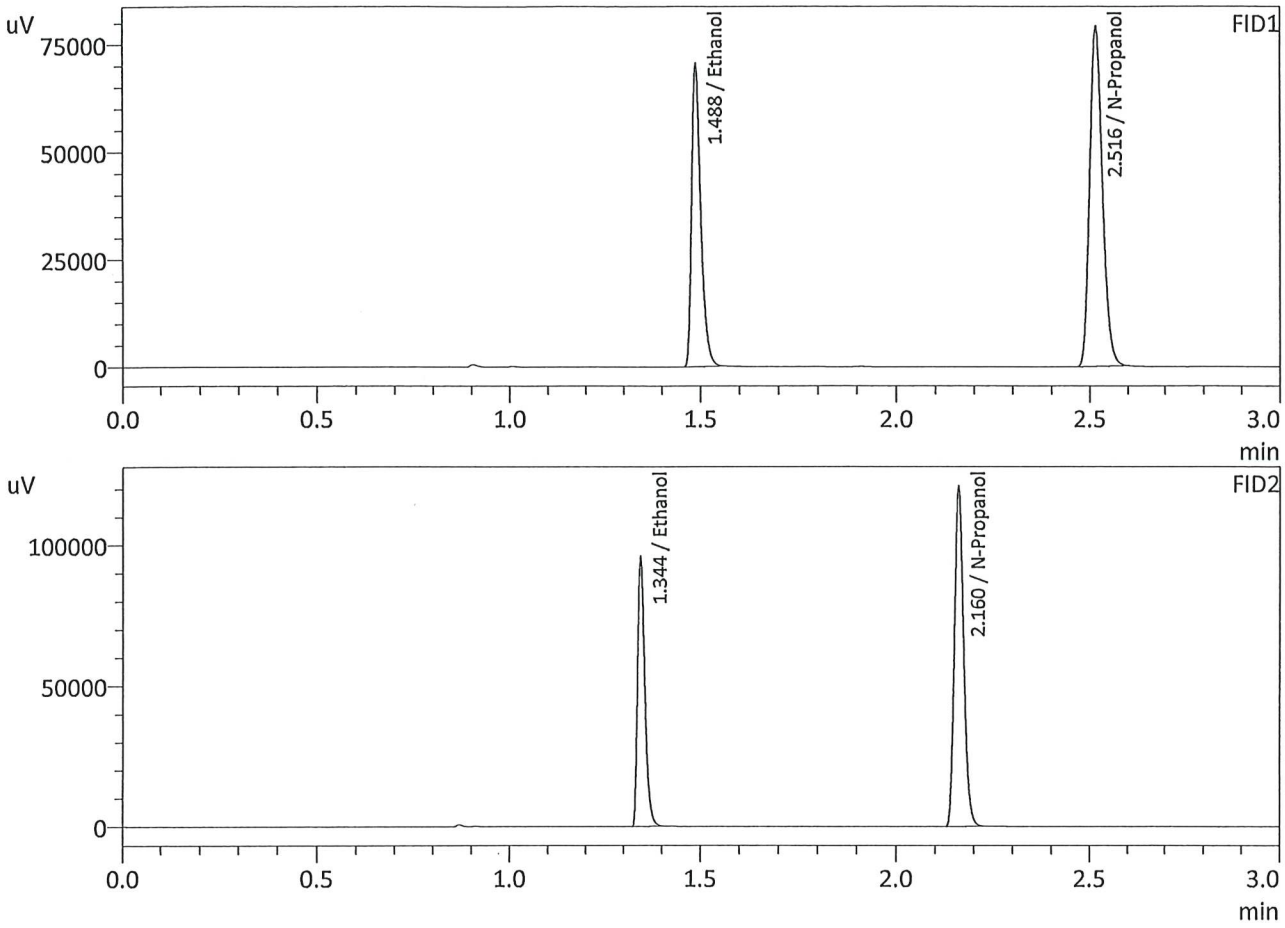
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1954	75148	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184320	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1951	81315	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199517	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 6/14/2024 12:14:33 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



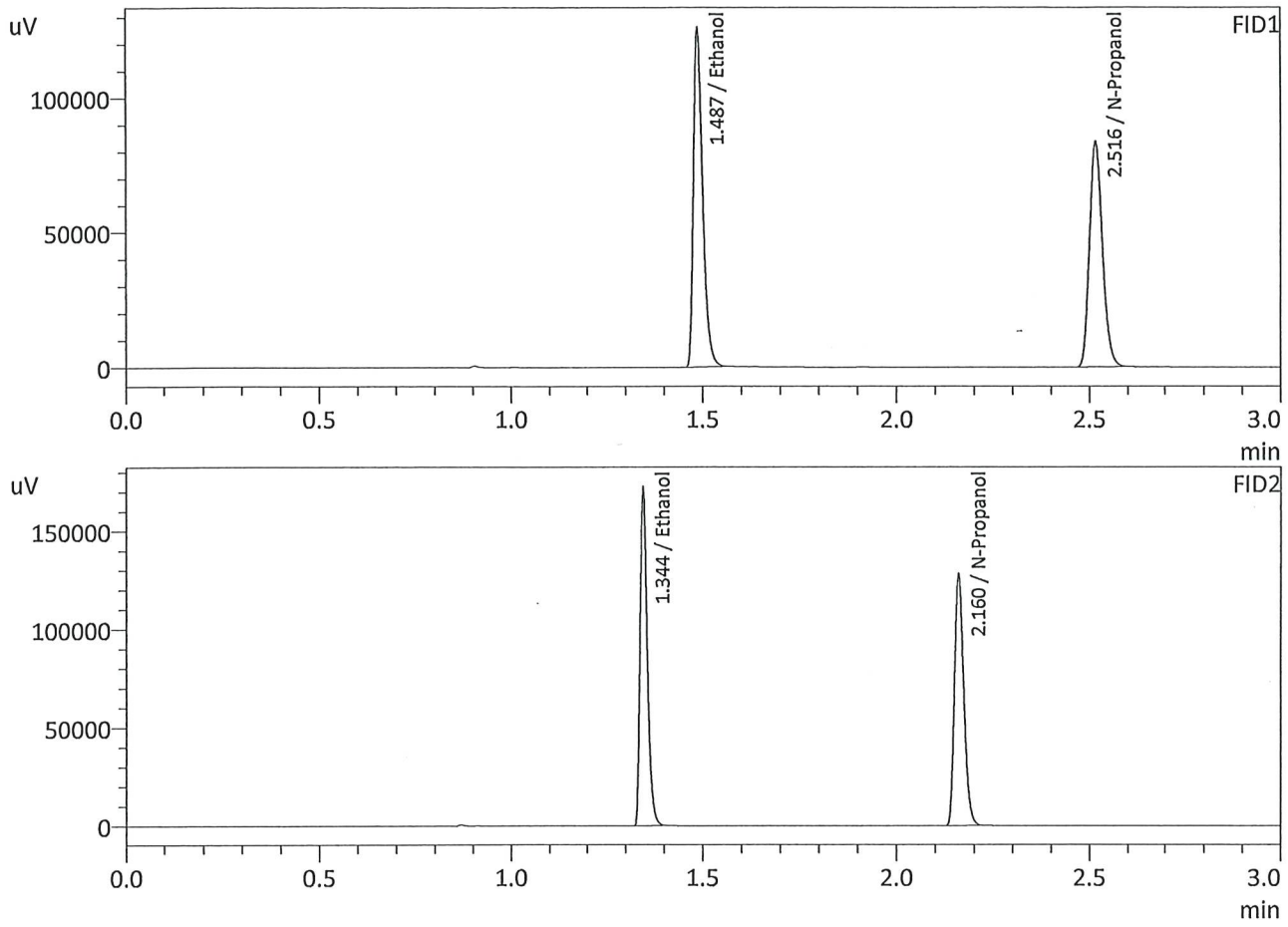
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2986	115919	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184496	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2987	125927	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199964	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 6/14/2024 12:23:18 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5021	207037	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194726	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5021	225134	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211222	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111
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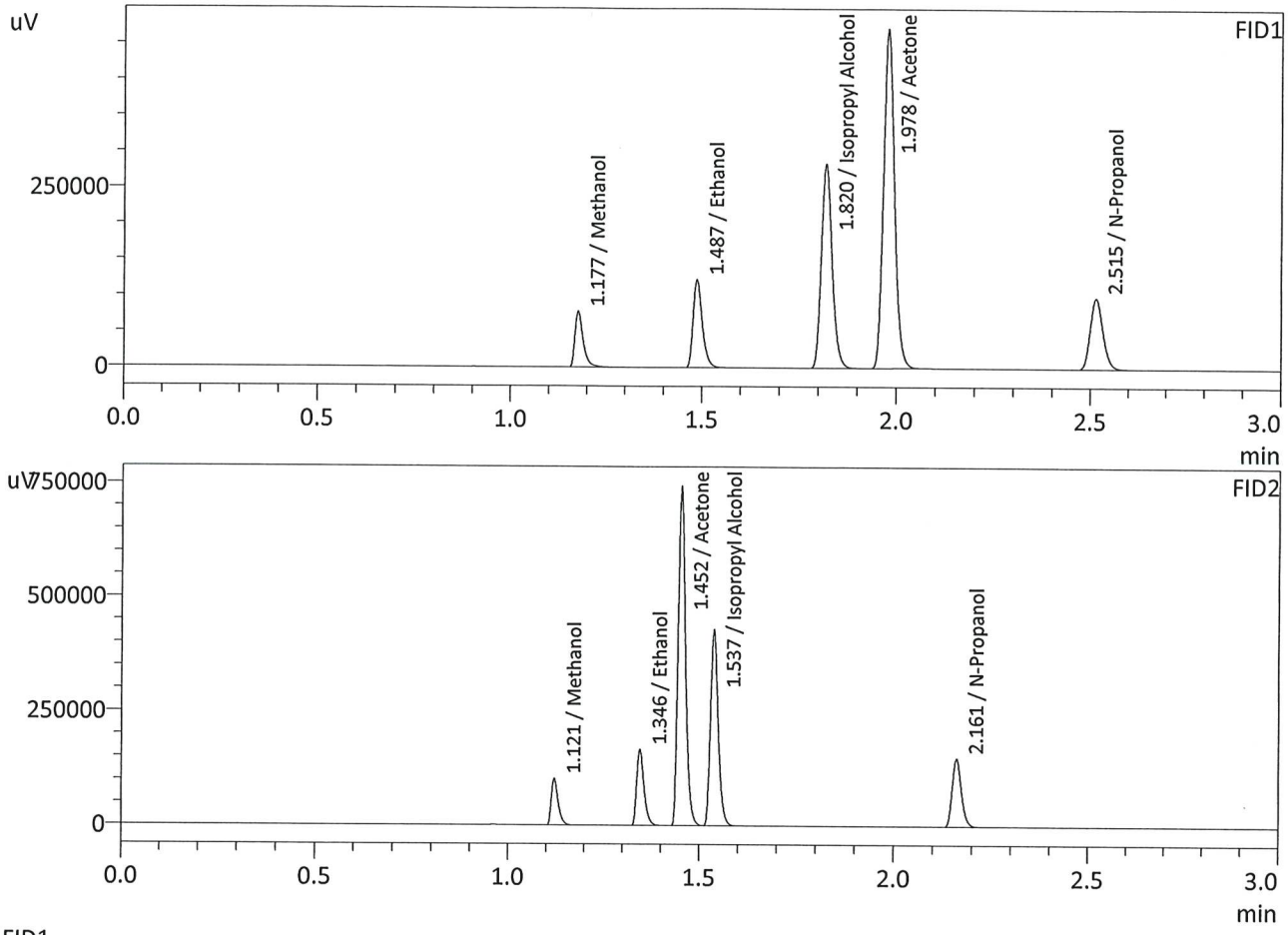
Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 240614 GG.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240614 GG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240614 GG.gcm
6	0.08 QA	0:Unknown	0	ALCOHOL 240614 GG.gcm
7	M2024-2437-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
8	M2024-2437-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
9	M2024-2441-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
10	M2024-2441-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
11	M2024-2456-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
12	M2024-2456-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
13	M2024-2459-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
14	M2024-2459-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
15	M2024-2460-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
16	M2024-2460-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
17	M2024-2461-2	0:Unknown	0	ALCOHOL 240614 GG.gcm
18	M2024-2461-2-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
19	M2024-2464-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
20	M2024-2464-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
21	M2024-2482-2	0:Unknown	0	ALCOHOL 240614 GG.gcm
22	M2024-2482-2-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
23	M2024-2485-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
24	M2024-2485-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
27	M2024-2486-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
28	M2024-2486-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
29	M2024-2503-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
30	M2024-2503-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
31	M2024-2504-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
32	M2024-2504-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
33	M2024-2505-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
34	M2024-2505-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
35	M2024-2547-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
36	M2024-2547-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
37	M2024-2584-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
38	M2024-2584-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
39	M2024-2585-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
40	M2024-2585-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
41	M2024-2586-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
42	M2024-2586-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
43	M2024-2587-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
44	M2024-2587-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
45	M2024-2588-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
46	M2024-2588-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
47	QC1-2	0:Unknown	0	ALCOHOL 240614 GG.gcm
48	QC1-2-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
49	P2024-1886-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
50	P2024-1886-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
51	QC2-2	0:Unknown	0	ALCOHOL 240614 GG.gcm
52	QC2-2-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
53	INT STD BLK	0:Unknown	0	ALCOHOL 240614 GG.gcm

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 6/26/2024 2:35:00 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	116976	g/100cc
Ethanol	0.4171	202170	g/100cc
Isopropyl Alcohol	0.0000	551425	g/100cc
Acetone	0.0000	924279	g/100cc
N-Propanol	0.0000	229312	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	126639	g/100cc
Ethanol	0.4185	219213	g/100cc
Acetone	0.0000	998491	g/100cc
Isopropyl Alcohol	0.0000	592438	g/100cc
N-Propanol	0.0000	247268	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 6/26/2024 2:58:41 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0803	0.0803	0.0000	0.0803	0.0023	0.0814
(g/100cc)	0.0826	0.0826	0.0000	0.0826		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240614_GG.gcm

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

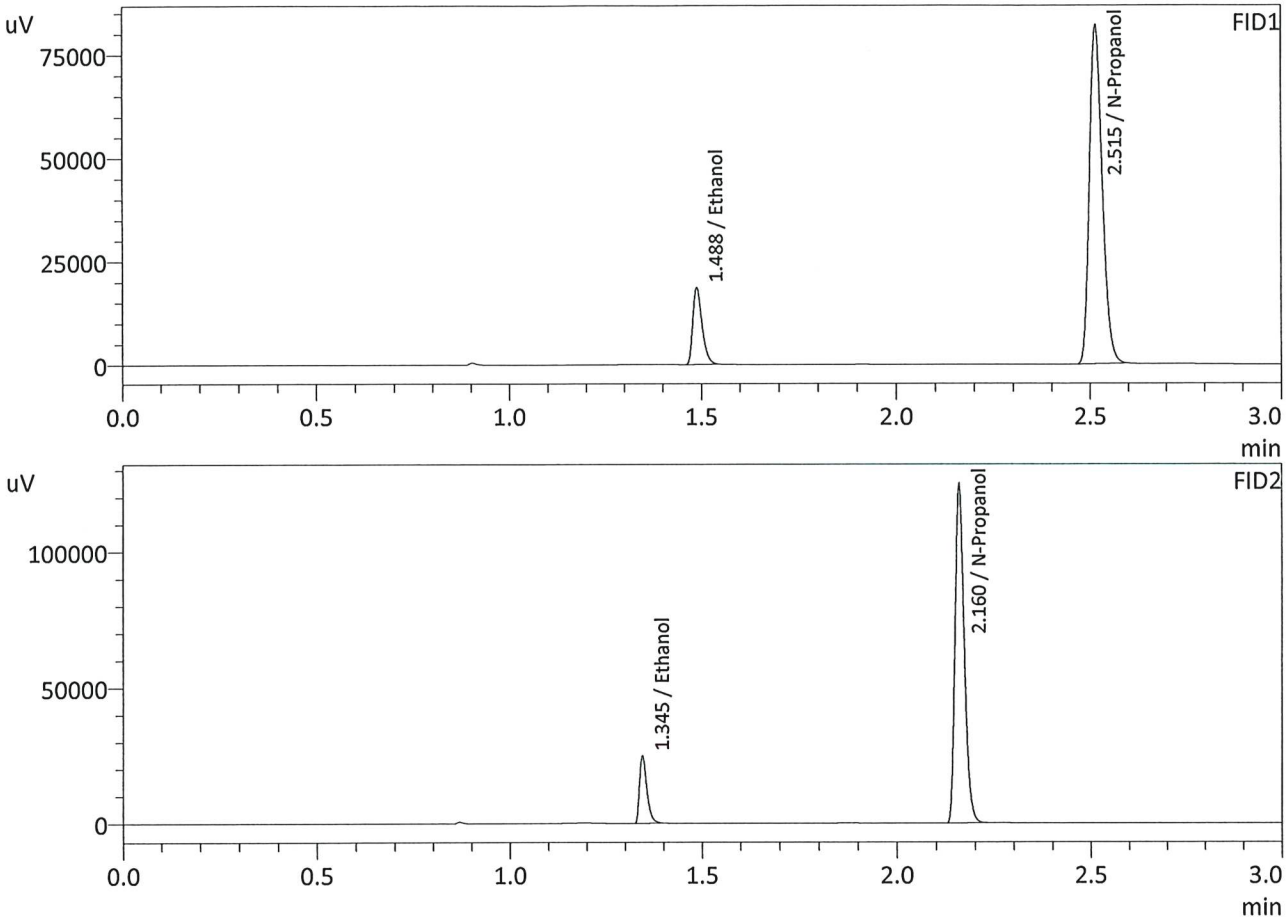
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

W

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 6/26/2024 2:58:41 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

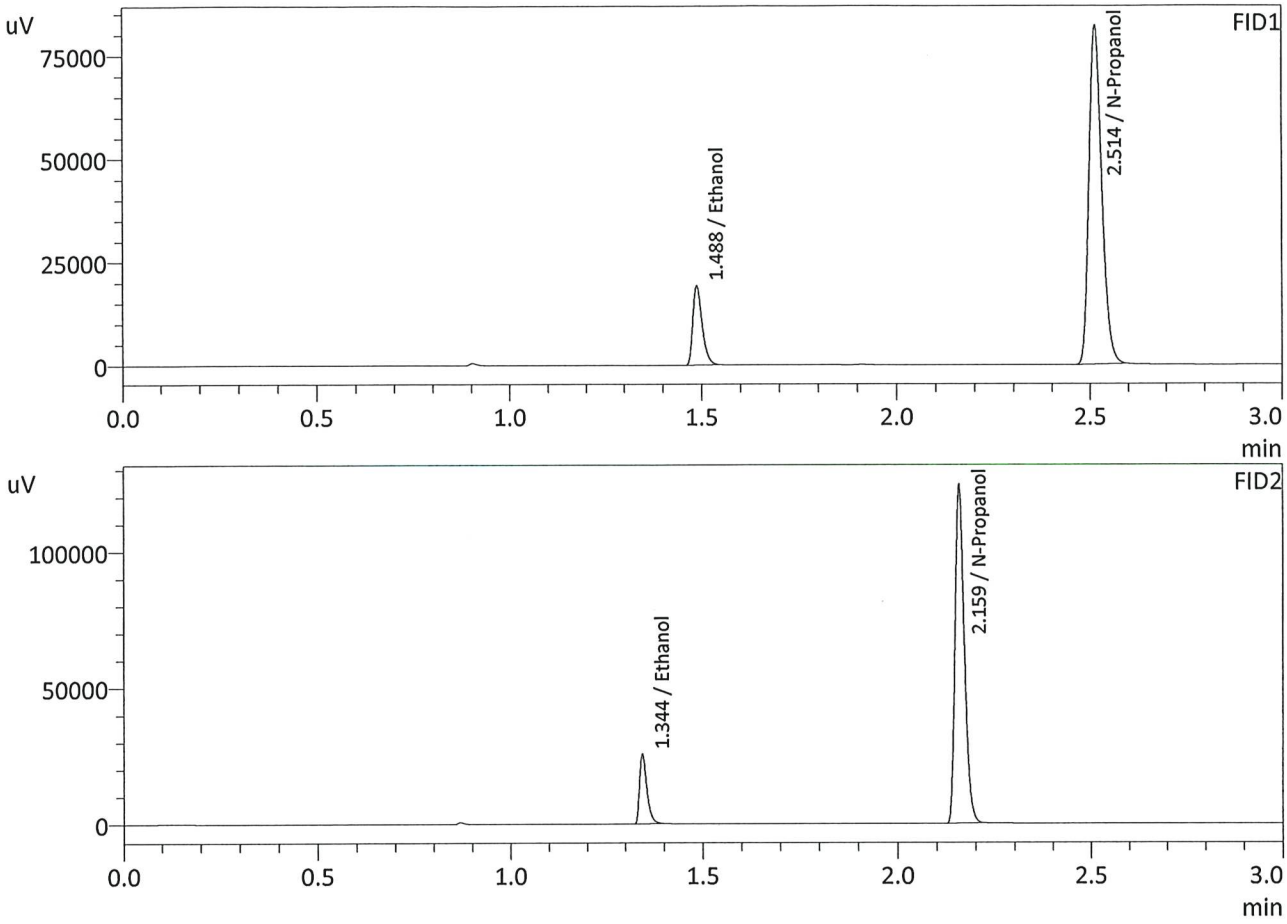
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	30904	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191351	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	33311	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206261	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 6/26/2024 3:07:12 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0826	31849	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191459	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0826	34254	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205988	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 6/26/2024 2:42:21 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0803	0.0803	0.0000	0.0803	0.0015	0.0810
(g/100cc)	0.0818	0.0819	0.0001	0.0818		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240614_GG.gcm

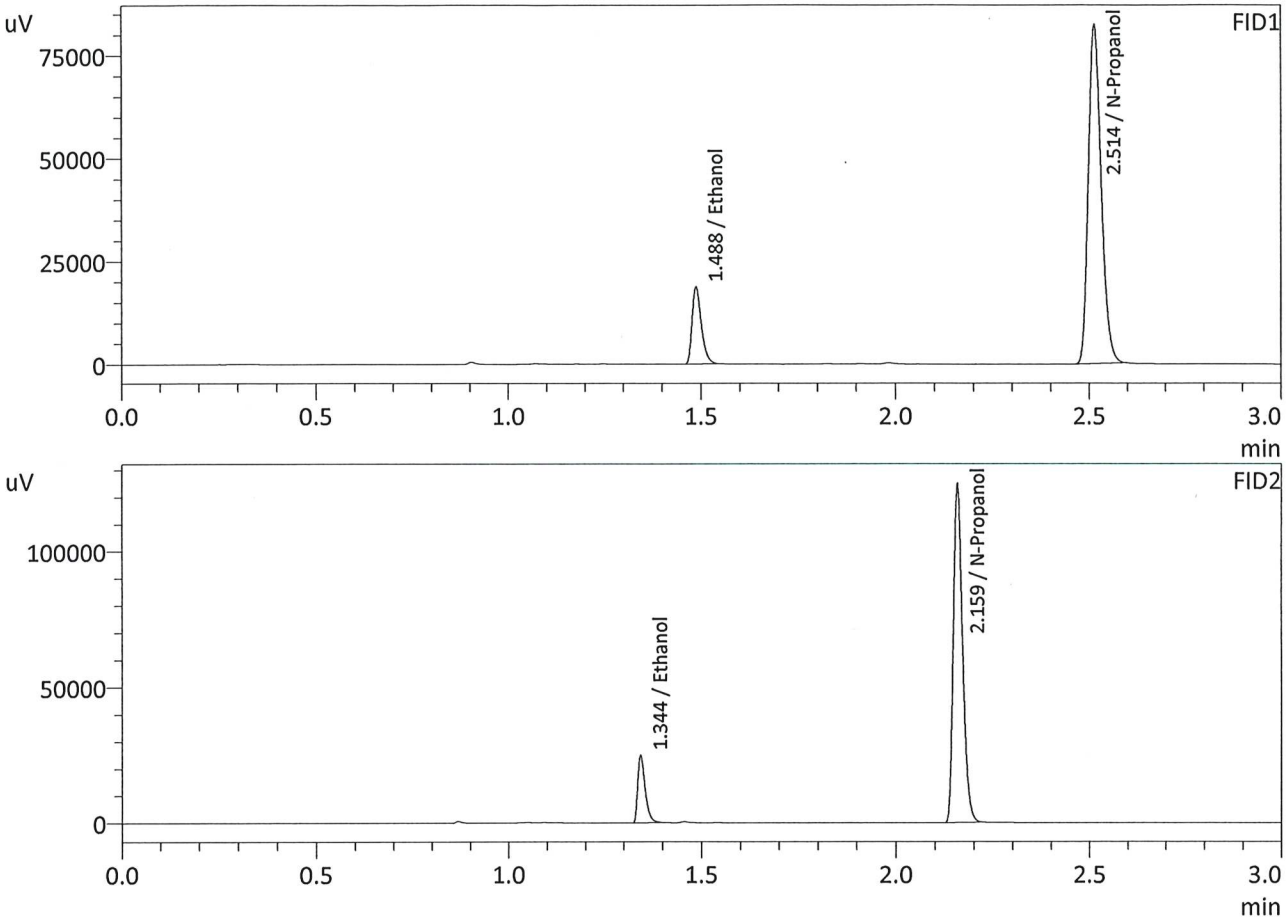
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

Sample Name	: QC-1-1
Laboratory	: Meridian
Injection Date	: 6/26/2024 2:42:21 PM
Vial #	: 3
Method Filename	: Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

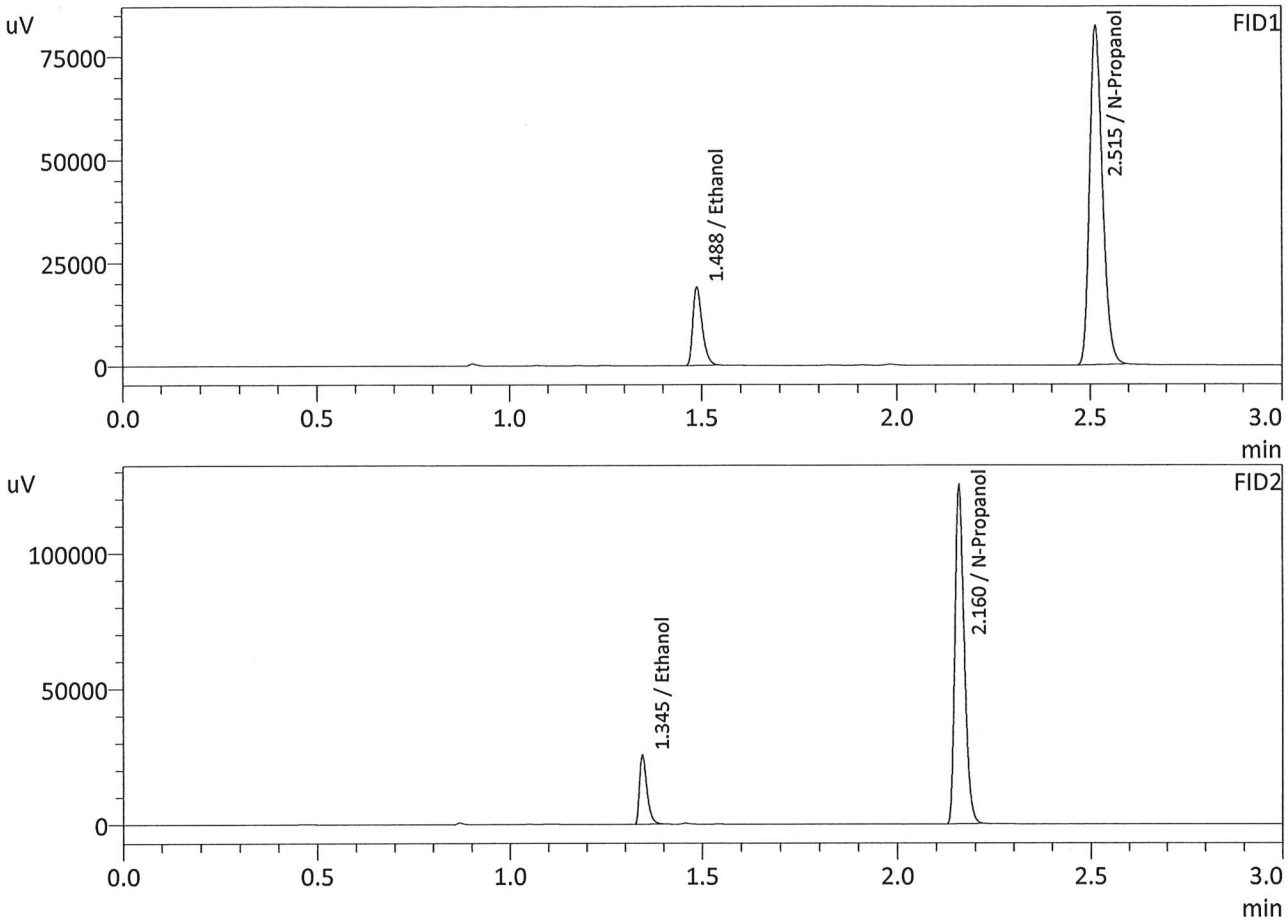
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	30993	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191908	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	33334	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206433	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 6/26/2024 2:51:13 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	31606	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191915	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	34016	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206415	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2 **Analysis Date(s): 6/26/2024 8:35:07 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0856	0.0853	0.0003	0.0854	0.0008	0.0858
(g/100cc)	0.0862	0.0862	0.0000	0.0862		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240614_GG.gcm

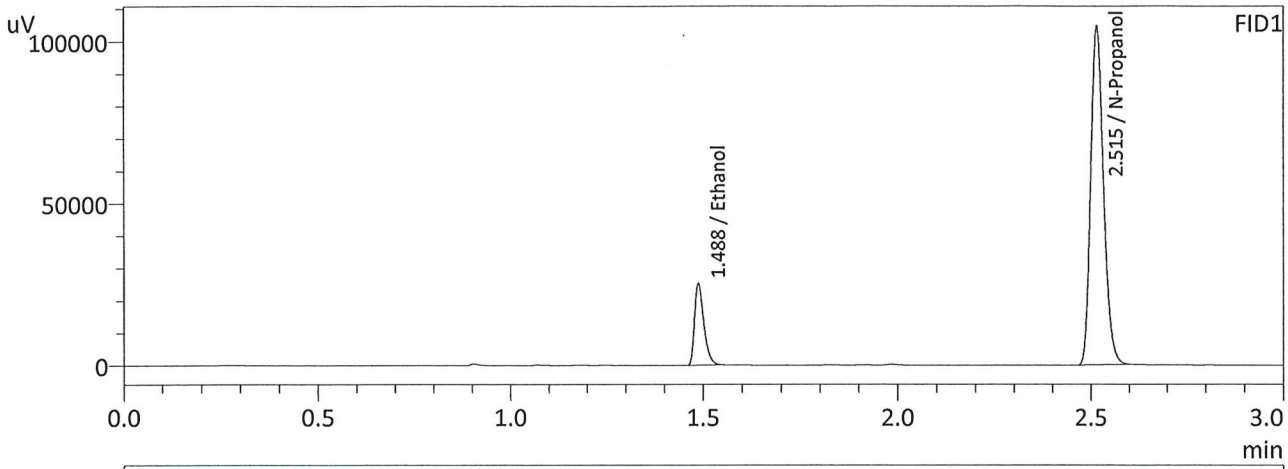
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

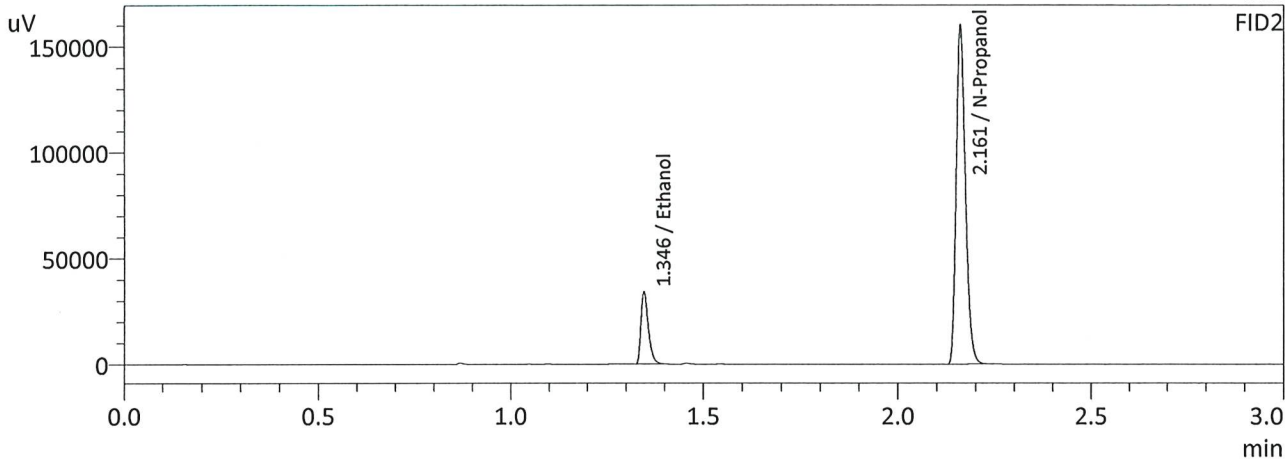
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.085	0.080	0.090	0.005

Reported Results
0.085

Calibration and control data are stored centrally.

Sample Name : QC1-2
Laboratory : Meridian
Injection Date : 6/26/2024 8:35:07 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





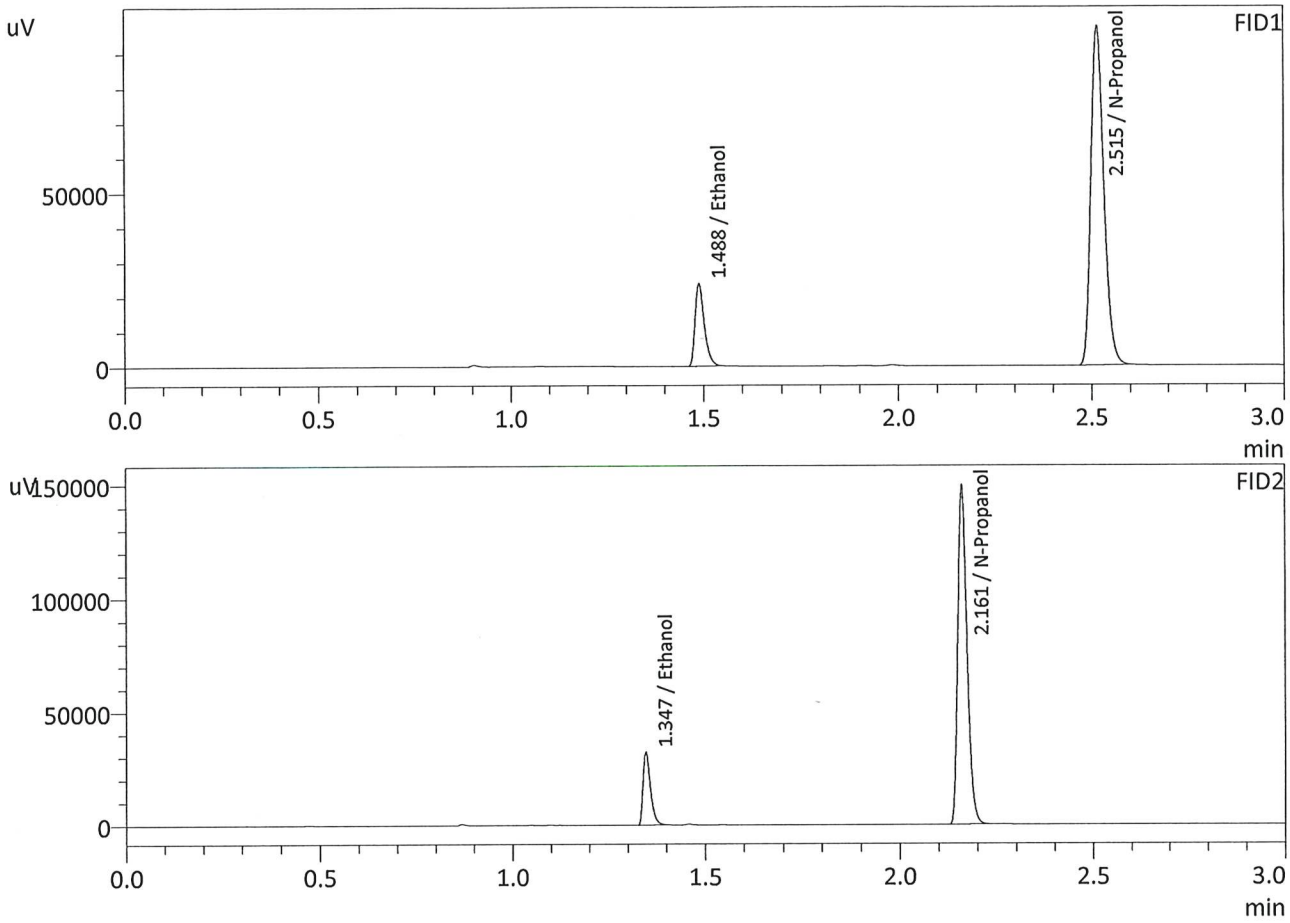
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0856	42135	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	243892	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0853	45441	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	263824	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 6/26/2024 8:43:59 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0862	39669	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	227666	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0862	42917	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	246502	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 6/26/2024 5:37:45 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2095	0.2102	0.0007	0.2098	0.0010	0.2103
(g/100cc)	0.2107	0.2110	0.0003	0.2108		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240614_GG.gcm

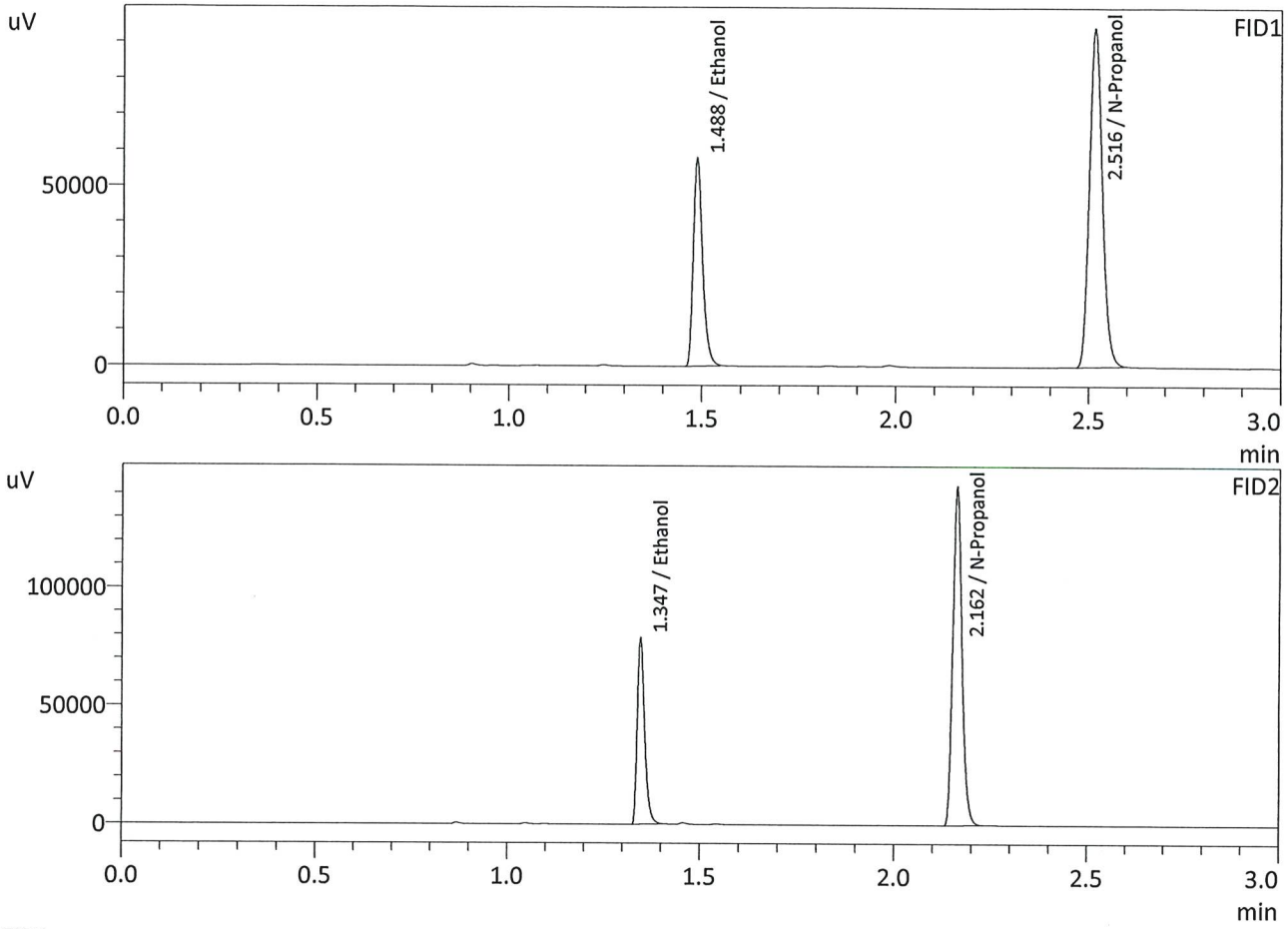
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.210	0.199	0.221	0.011

Reported Results
0.210

Calibration and control data are stored centrally.

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 6/26/2024 5:37:45 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



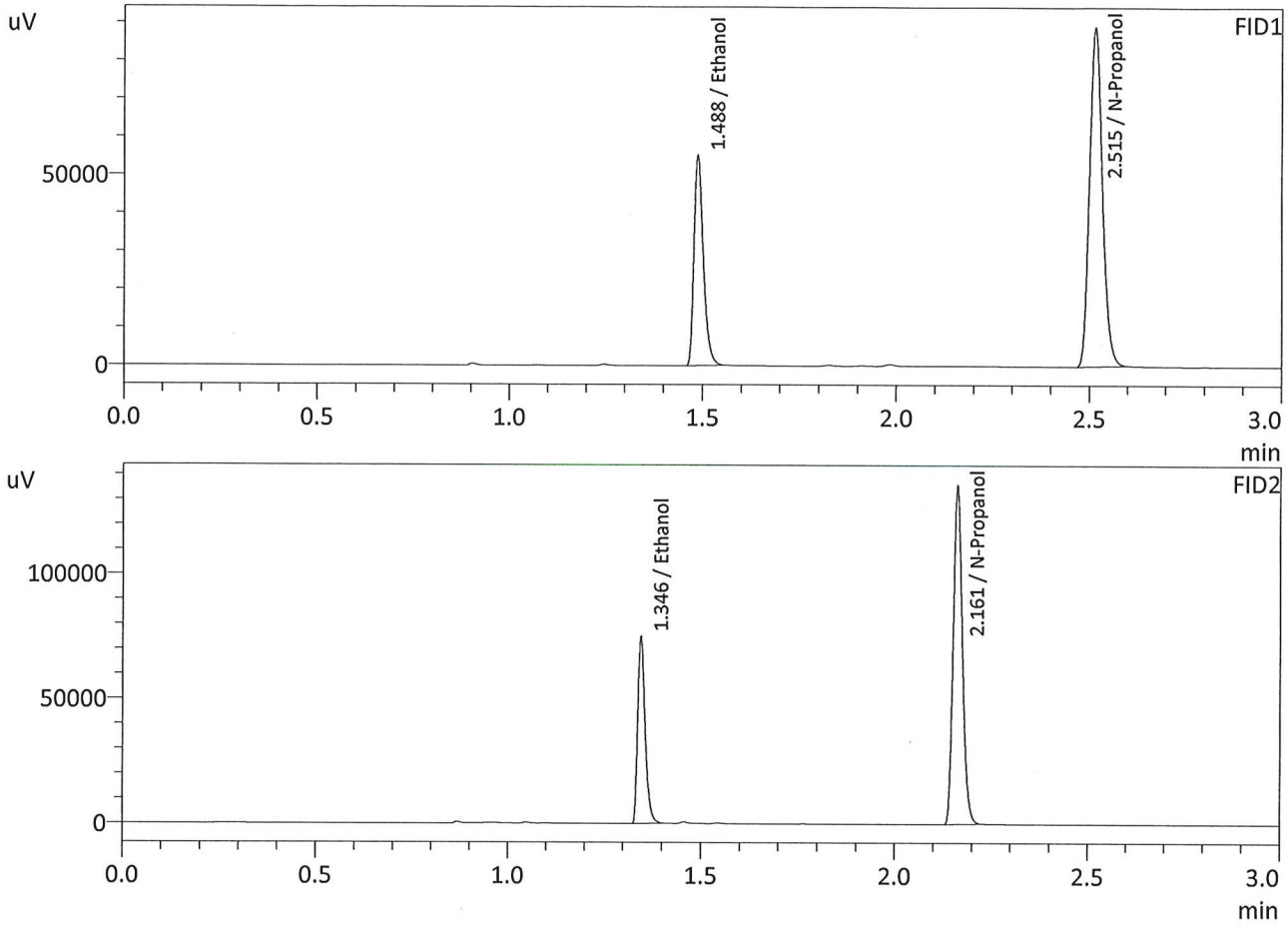
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2095	96093	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219566	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2102	104378	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	237240	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 6/26/2024 5:46:07 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2107	91526	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207853	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2110	99214	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	224580	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2 **Analysis Date(s): 6/26/2024 9:08:48 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2121	0.2121	0.0000	0.2121	0.0024	0.2133
(g/100cc)	0.2146	0.2145	0.0001	0.2145		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240614_GG.gcm

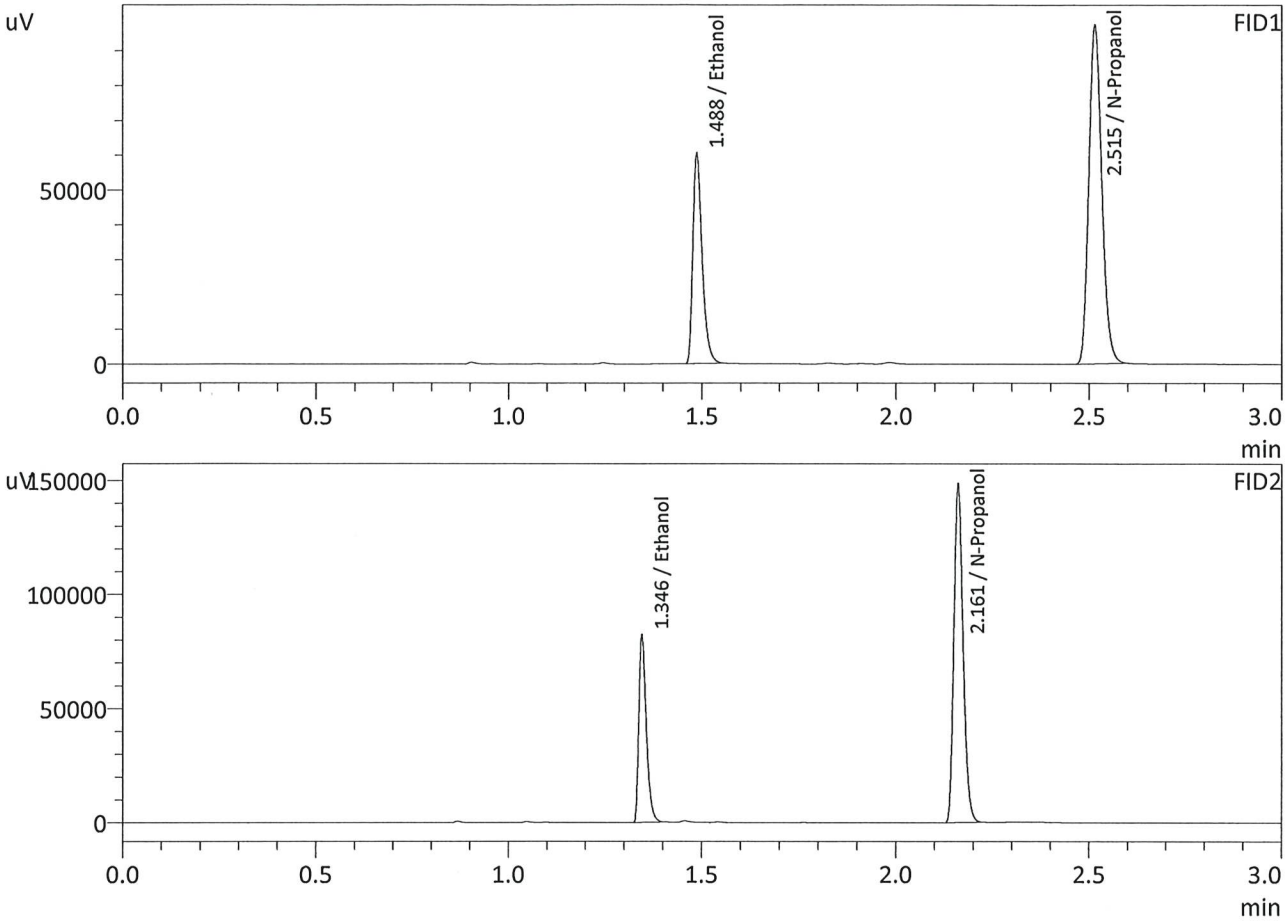
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.213	0.202	0.224	0.011

Reported Results
0.213

Calibration and control data are stored centrally.

Sample Name : QC2-2
Laboratory : Meridian
Injection Date : 6/26/2024 9:08:48 PM
Vial # : 51
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



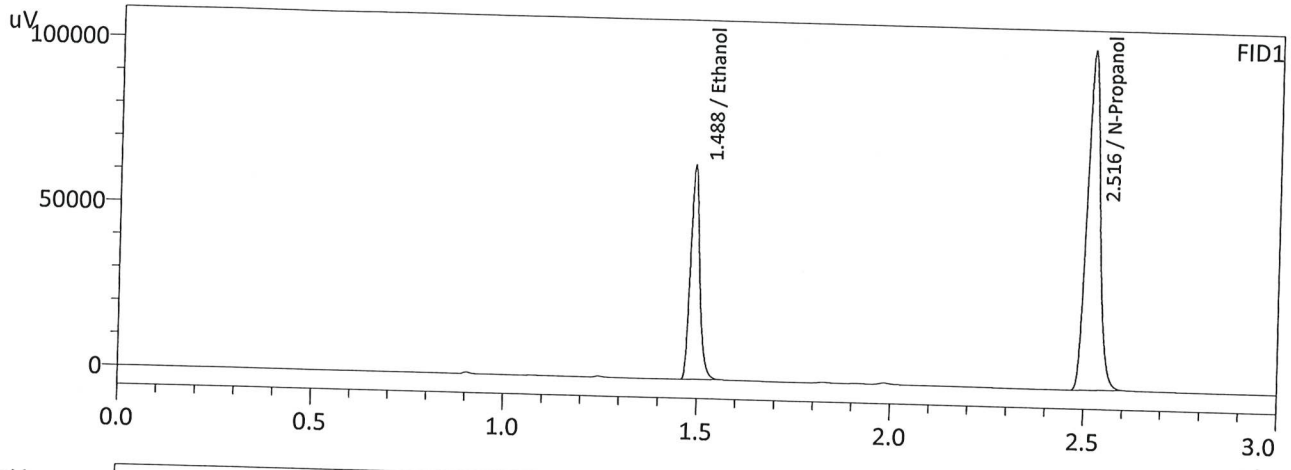
FID1

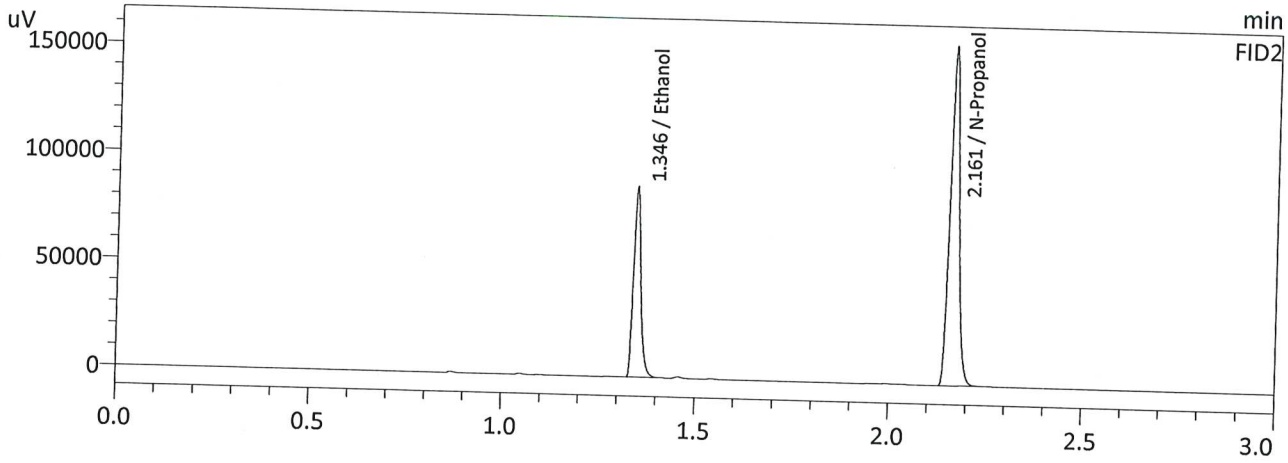
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2121	100487	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	226727	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2121	108893	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	245267	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 6/26/2024 9:16:08 PM
Vial # : 52
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





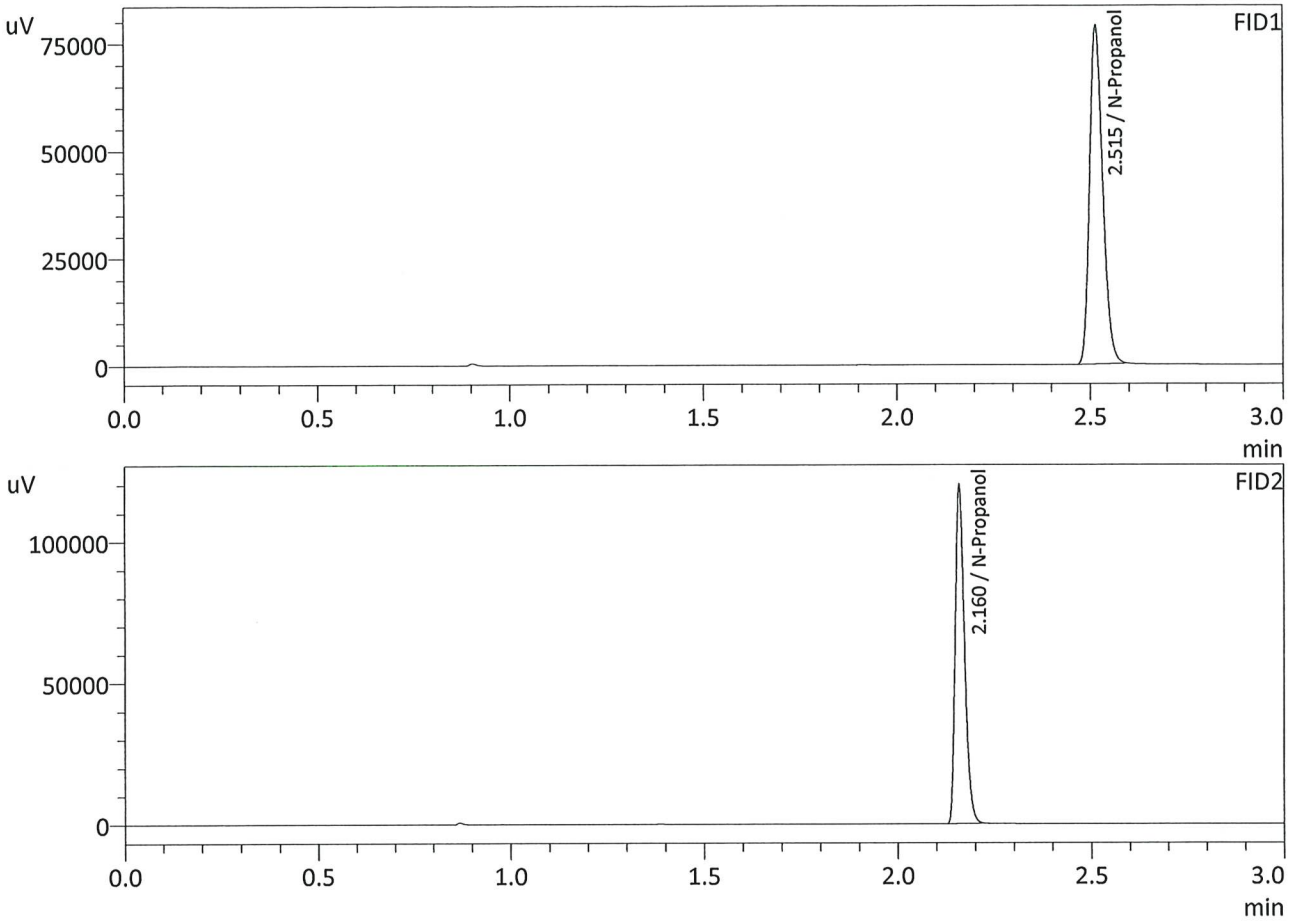
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2146	107600	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	239784	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2145	116549	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	259481	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 6/26/2024 2:27:41 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



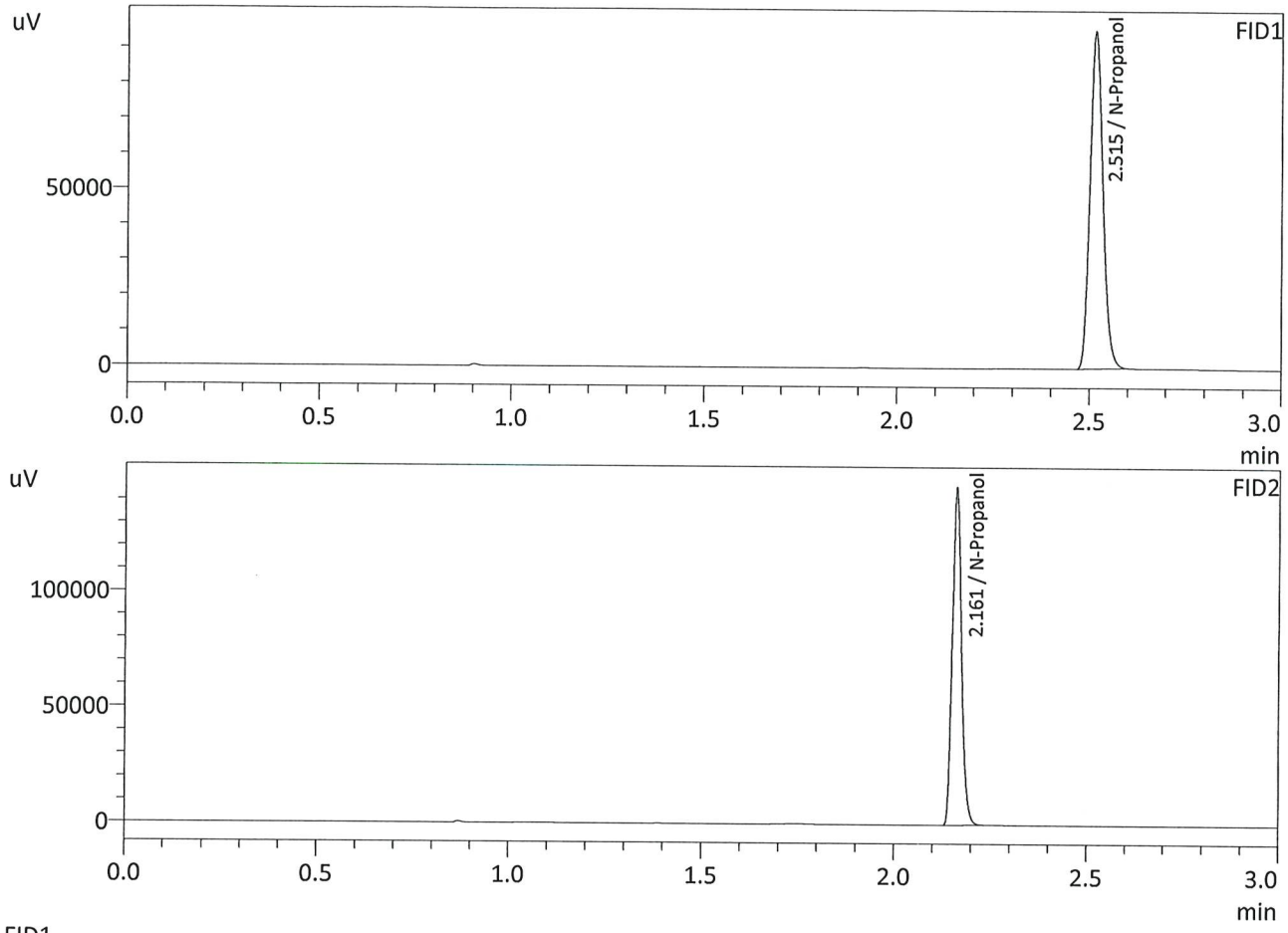
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184472	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	198489	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 6/26/2024 9:23:45 PM
Vial # : 53
Method Filename : Default Project - ALCOHOL_240614_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	222898	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	241211	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W