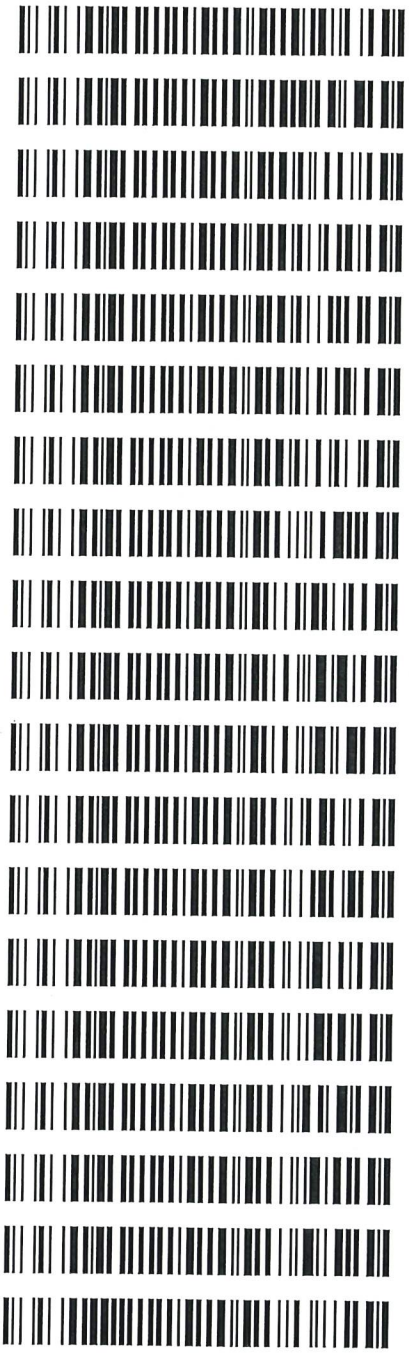
REVIEWED
By Melissa (Nikka) Bradley at 9:37 am, Jun 17, 2024

NB

6/17/2024

Worklist: 6844

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-2231	1	BCK	Alcohol Analysis
M2024-2247	1	BCK	Alcohol Analysis
M2024-2258	1	BCK	Alcohol Analysis
M2024-2259	1	BCK	Alcohol Analysis
M2024-2260	1	BCK	Alcohol Analysis
M2024-2262	1	BCK	Alcohol Analysis
M2024-2263	1	BCK	Alcohol Analysis
M2024-2299	1	BCK	Alcohol Analysis
M2024-2337	1	BCK	Alcohol Analysis
M2024-2364	1	BCK	Alcohol Analysis
M2024-2365	1	BCK	Alcohol Analysis
M2024-2378	1	BCK	Alcohol Analysis
M2024-2379	1	BCK	Alcohol Analysis
M2024-2397	1	BCK	Alcohol Analysis
M2024-2398	1	BCK	Alcohol Analysis
M2024-2416	1	BCK	Alcohol Analysis
M2024-2427	1	BCK	Alcohol Analysis
M2024-2430	1	BCK	Alcohol Analysis
P2024-1775	1	BCK	Alcohol Analysis



BR

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): 06/14/2024**

Calibration Date: *(if different)*

Worklist #: 6844

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0826 g/100cc
					0.0856 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2135 g/100cc
					0.2132 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	0.083 g/100cc

Internal Standard Monitoring Worksheet

Worklist #: 6844 **Run Date(s):** 06/14/2024

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

Sample Name	Column 1 Value	Column 2 Value
0.080	189270	205549
0.080	185924	202096
QC1	188517	204690
QC1	189511	205353
QC1	221605	241580
QC1	219818	239284
QC1		
QC1		
QC2	208817	227607
QC2	209221	228176
QC2	213118	232482
QC2	239668	260971
QC2		
QC2		

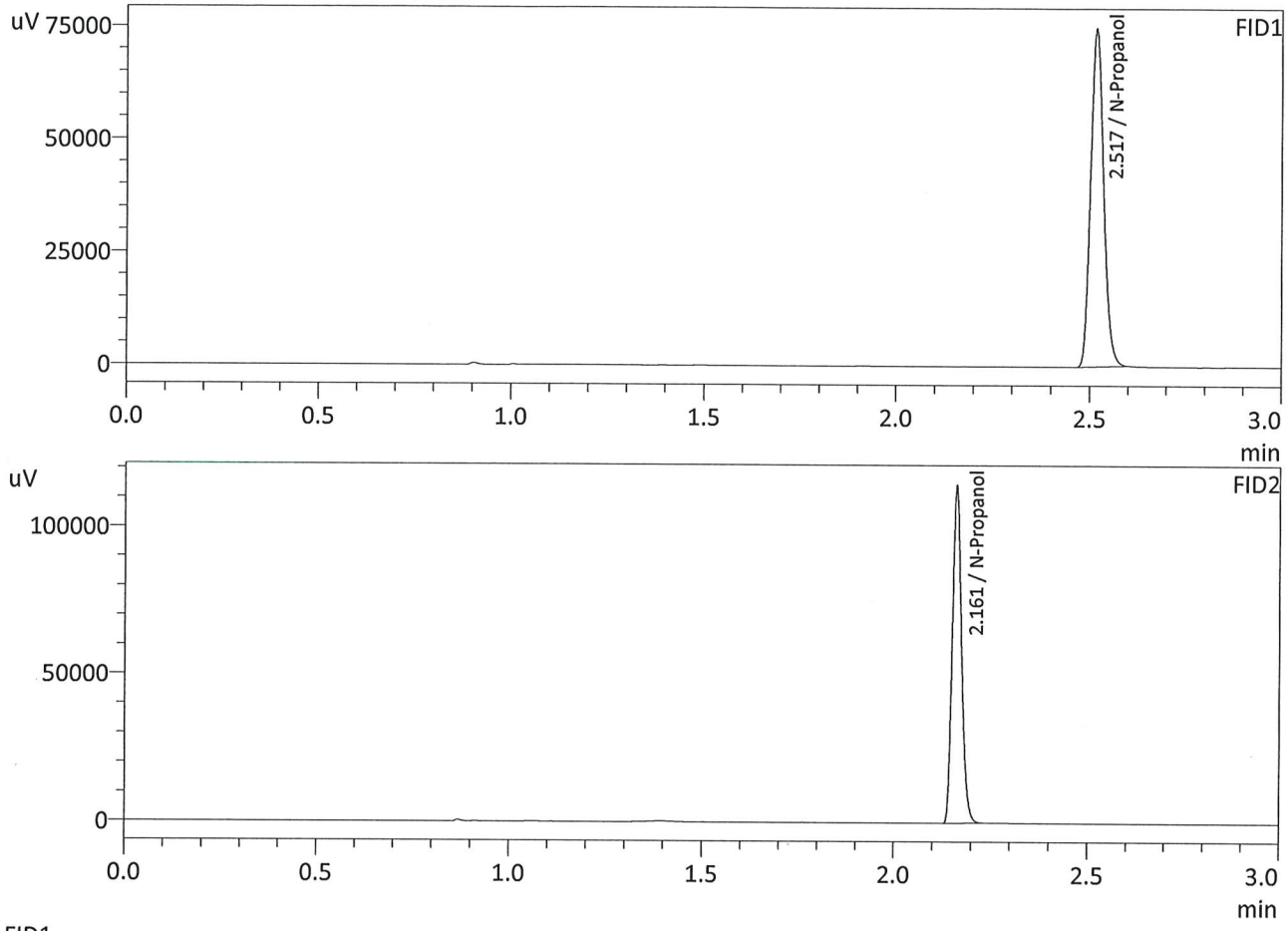
	Average	(-)20%	(+)20%
Column 1	206546.9	165237.5	247856.3
Column 2	224778.8	179823.0	269734.6

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 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

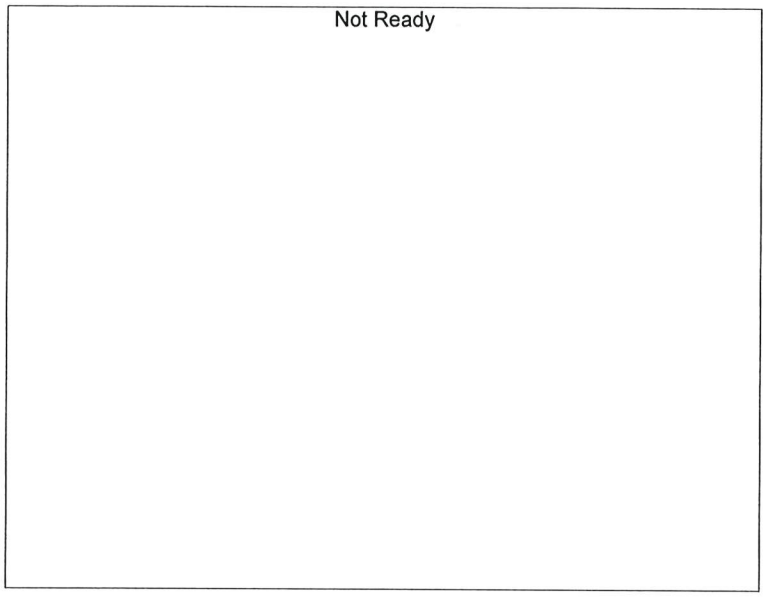
FID2

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

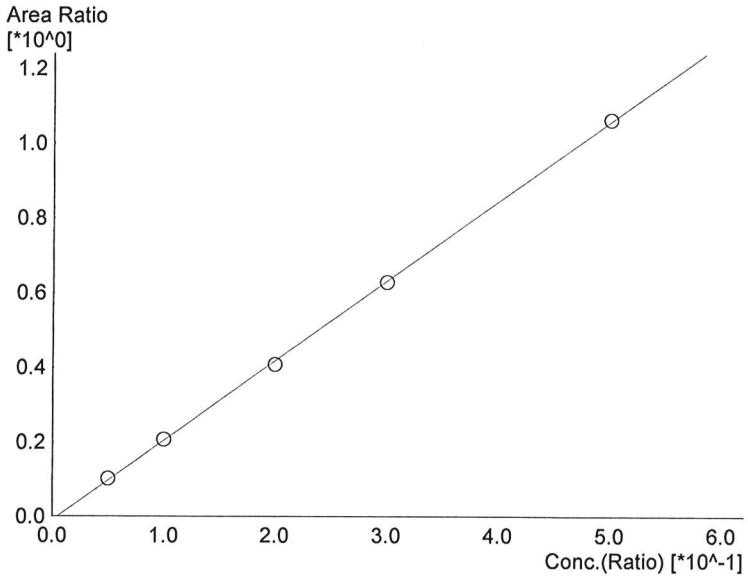
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<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



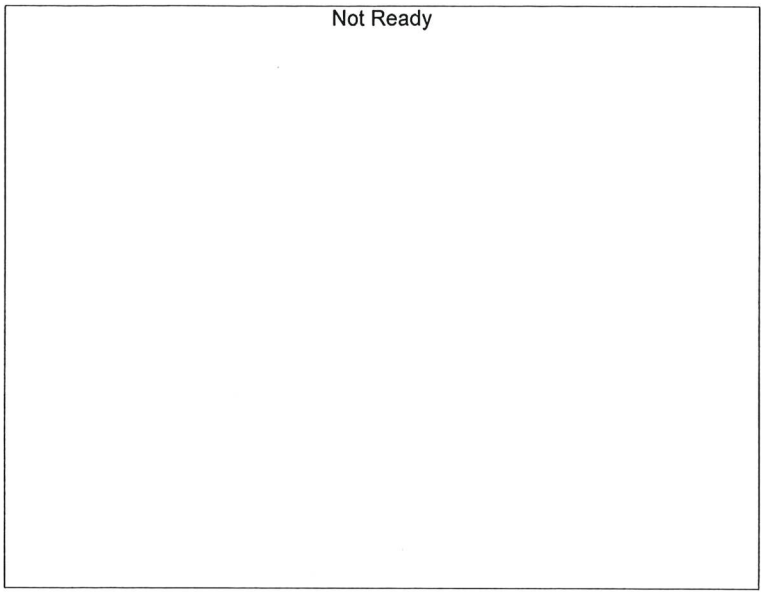
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



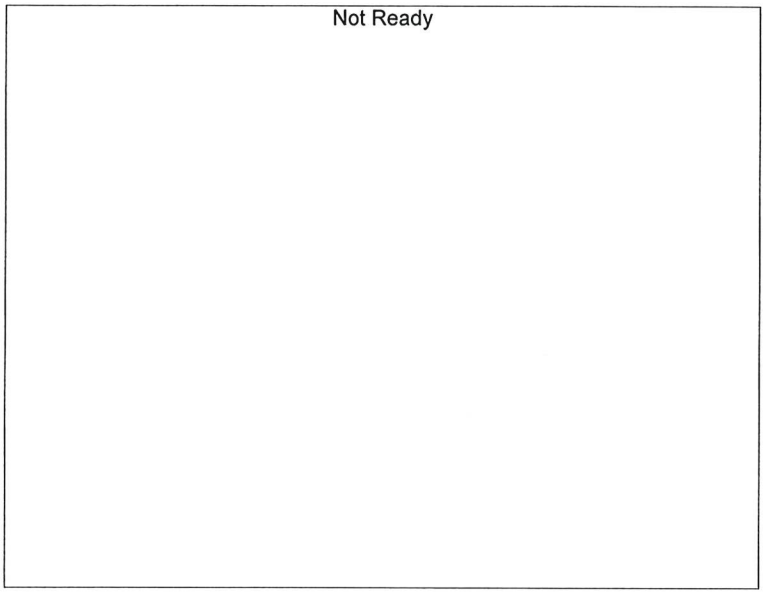
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.13797*x-0.0102582
R^2 value= 0.9997321
FitType: Linear
ZeroThrough: Not Through

#	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



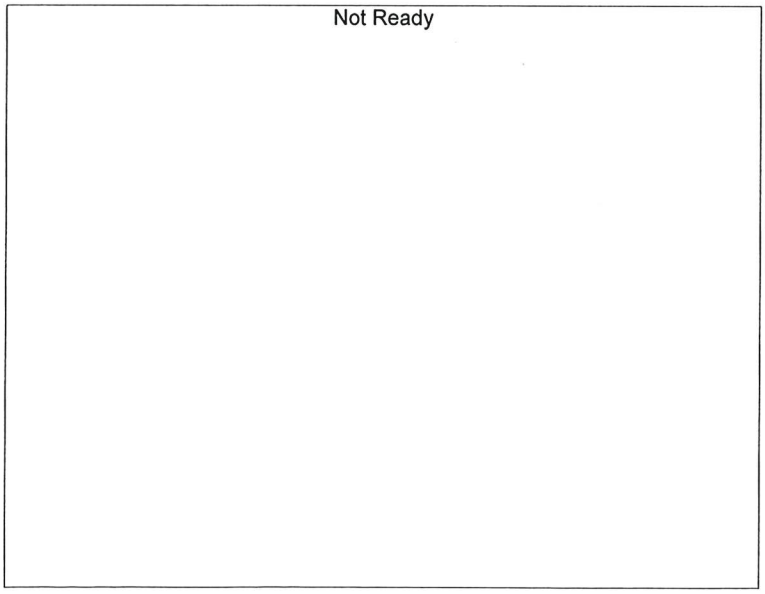
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



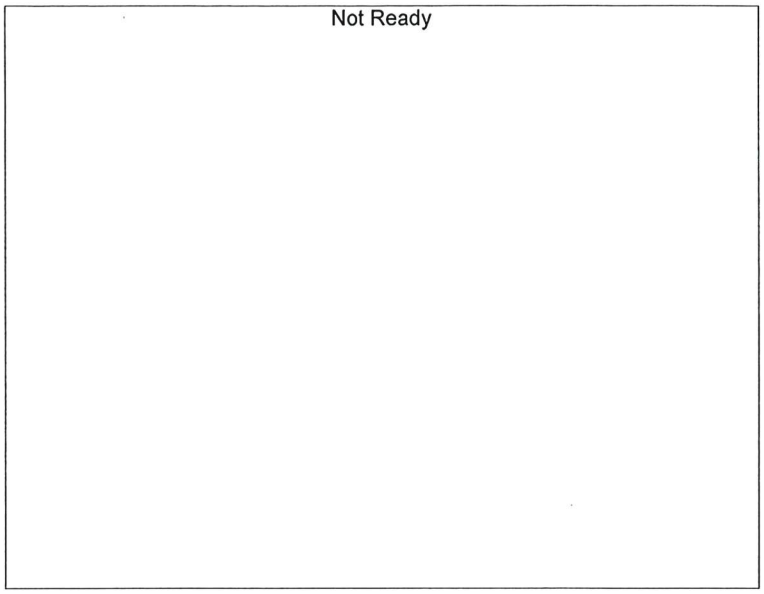
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



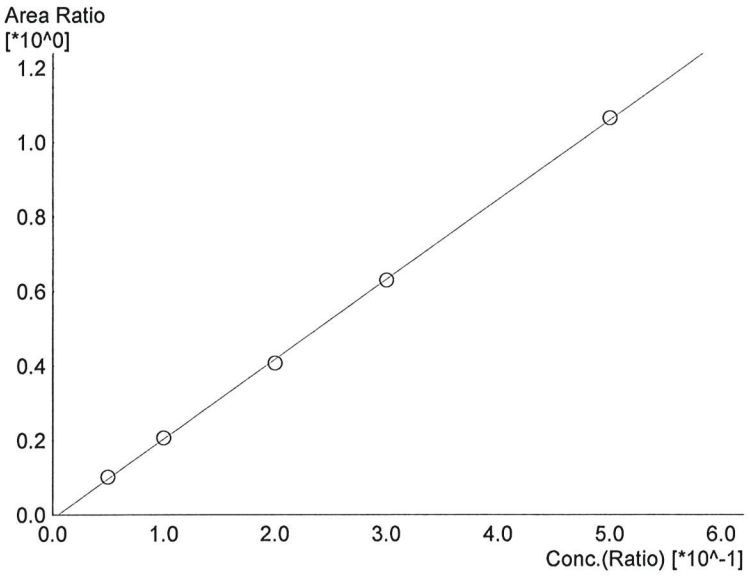
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



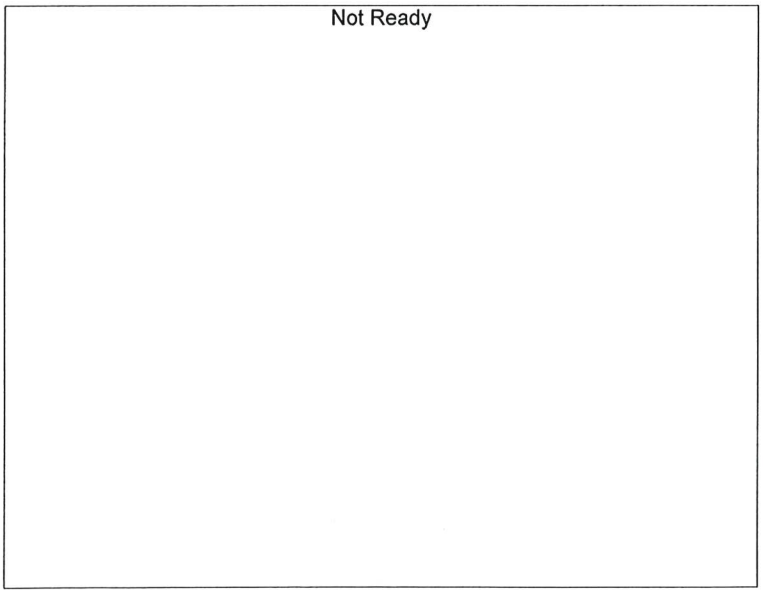
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



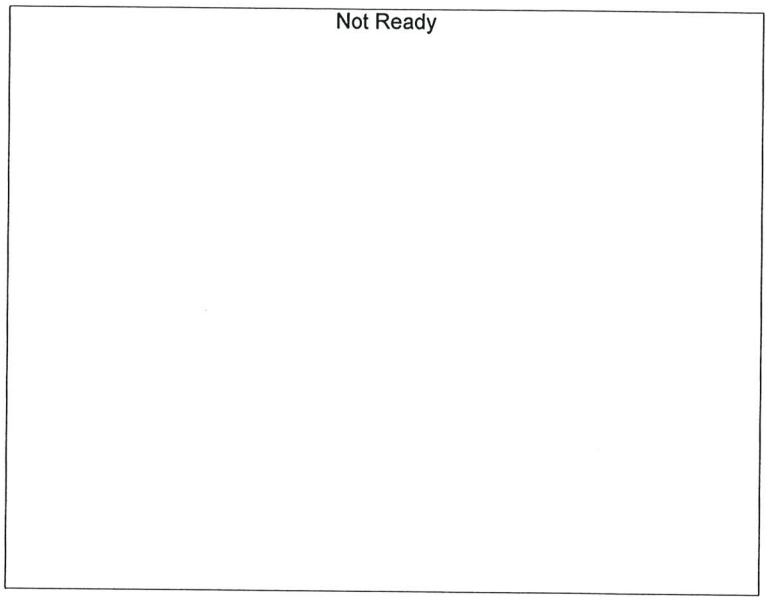
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.14414*x-0.0108165
R^2 value= 0.9997010
FitType: Linear
ZeroThrough: Not Through

#	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



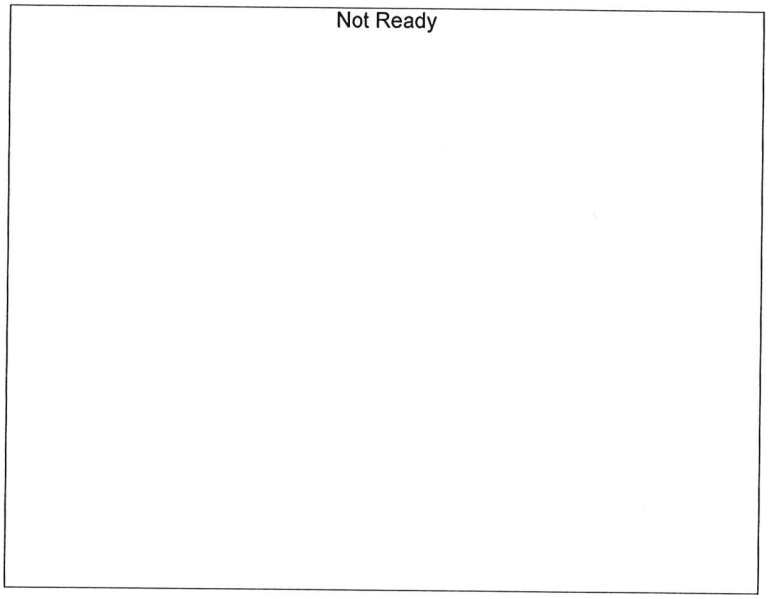
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

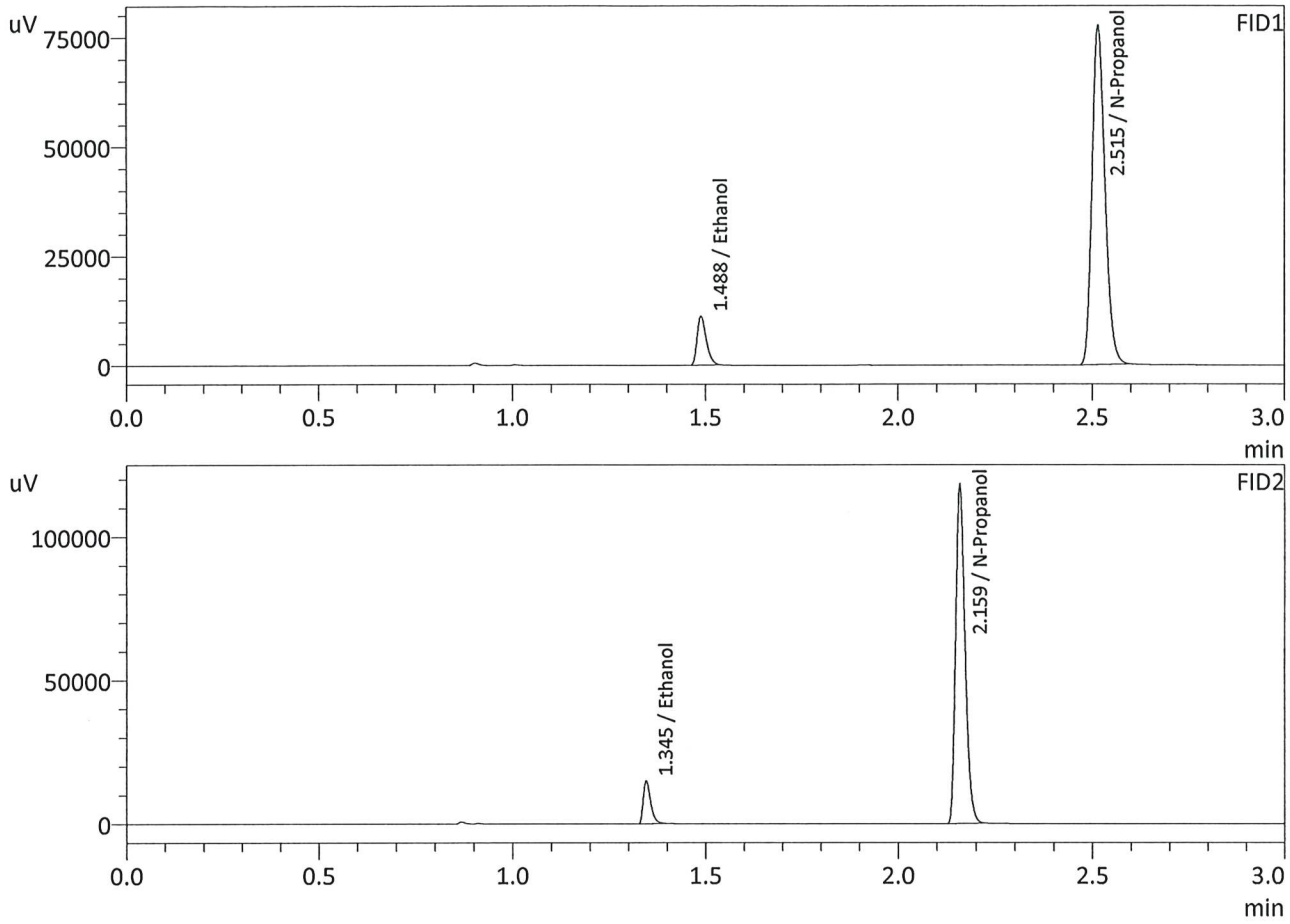
#	Conc.	Area	Std. Conc.



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



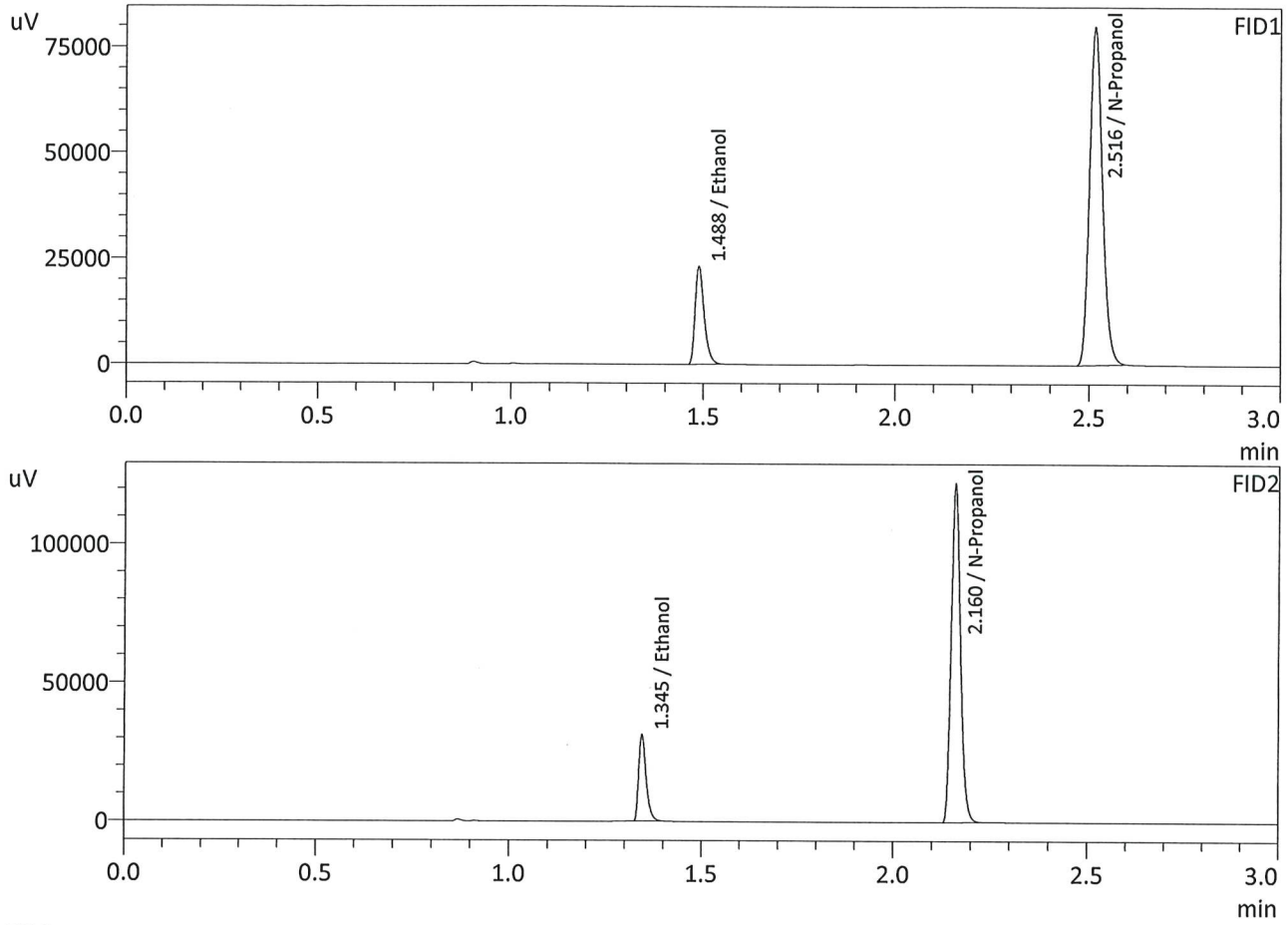
FID1

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



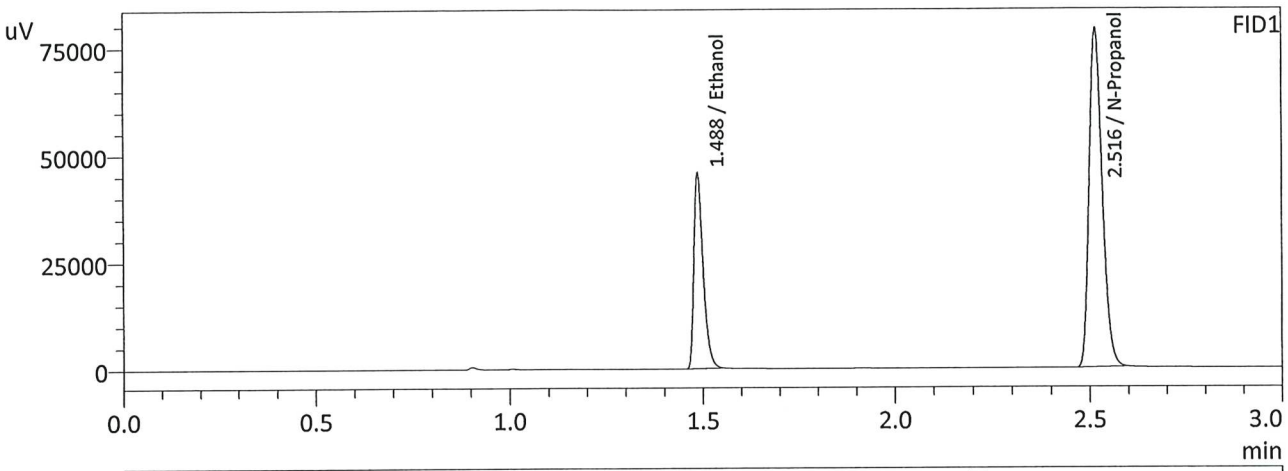
FID1

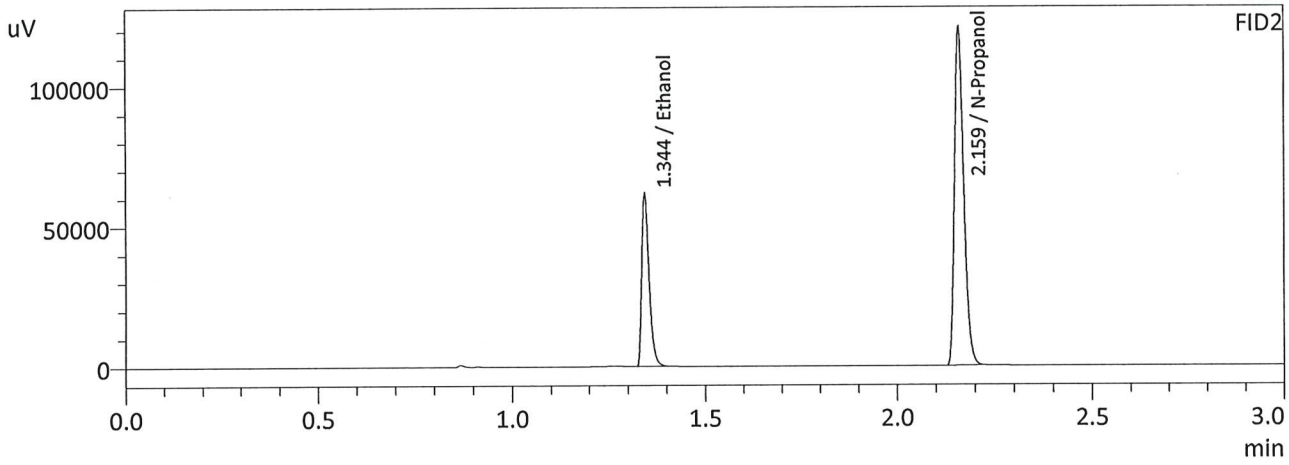
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1011	38397	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186308	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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





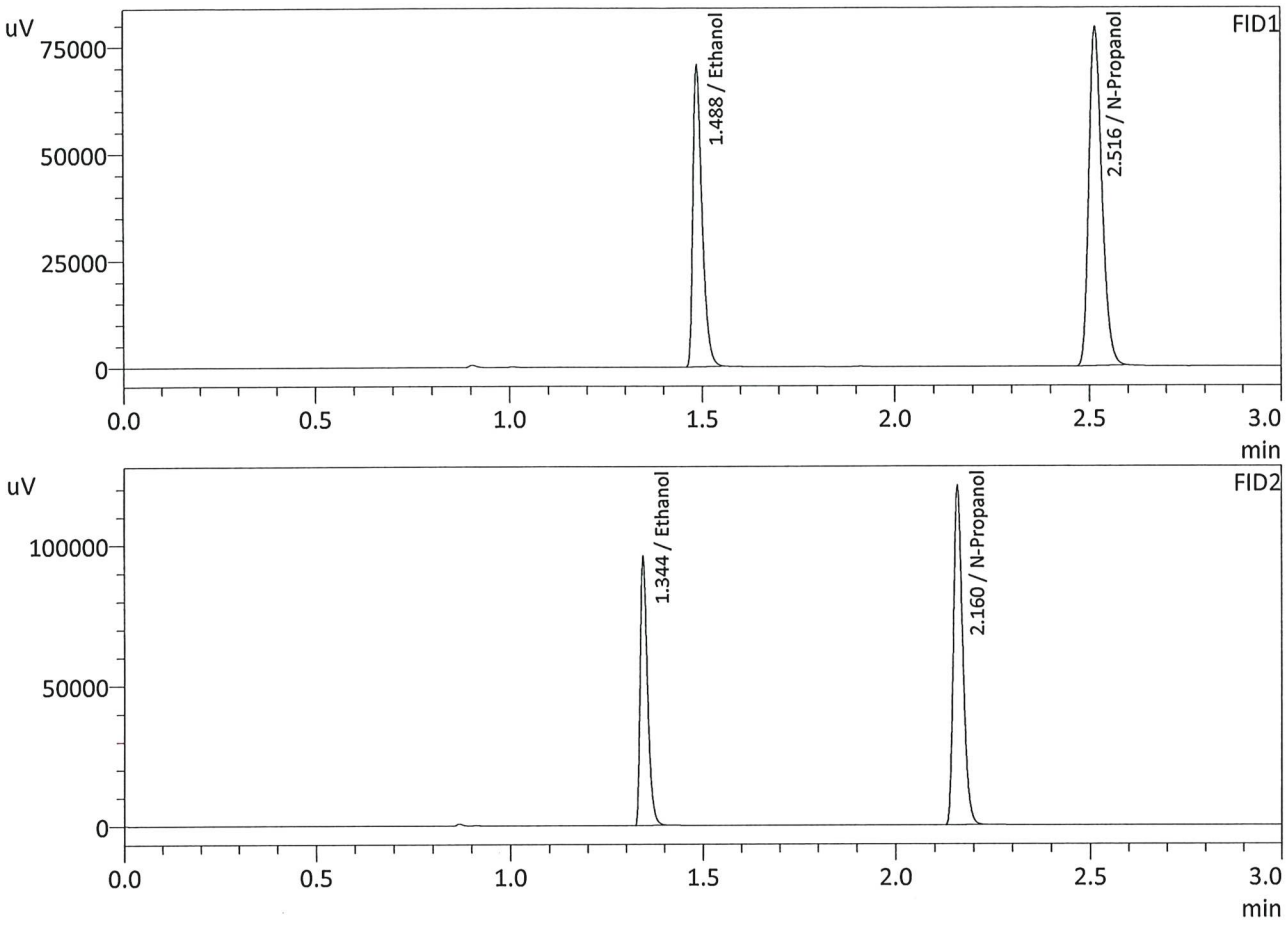
FID1

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



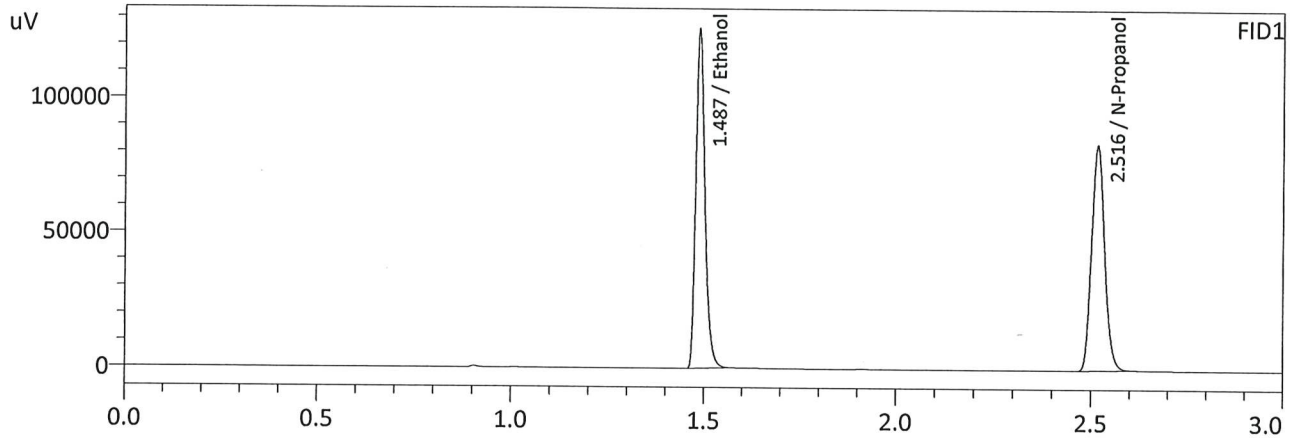
FID1

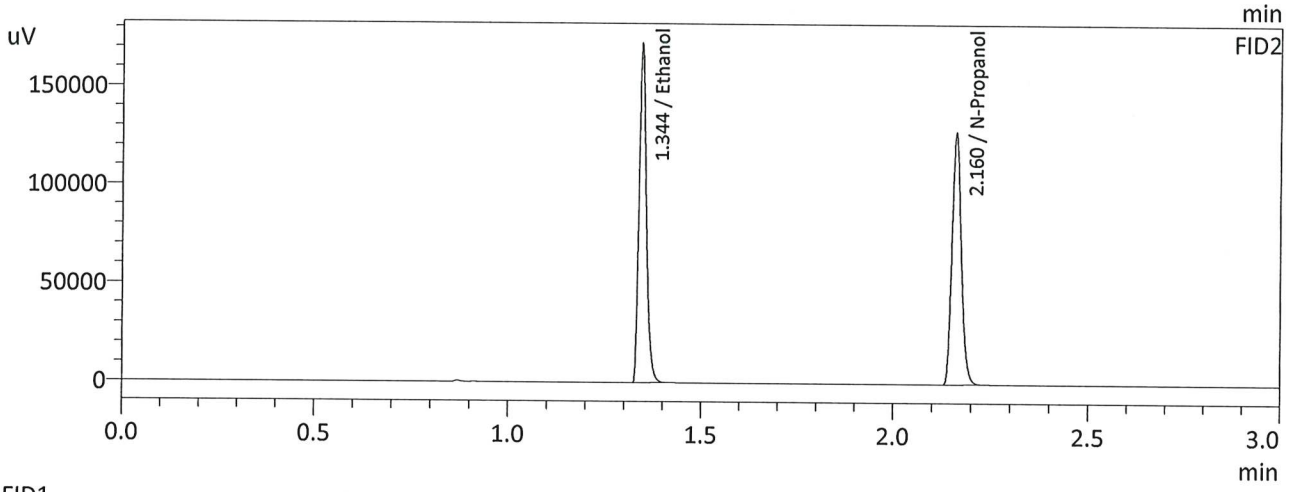
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2986	115919	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184496	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

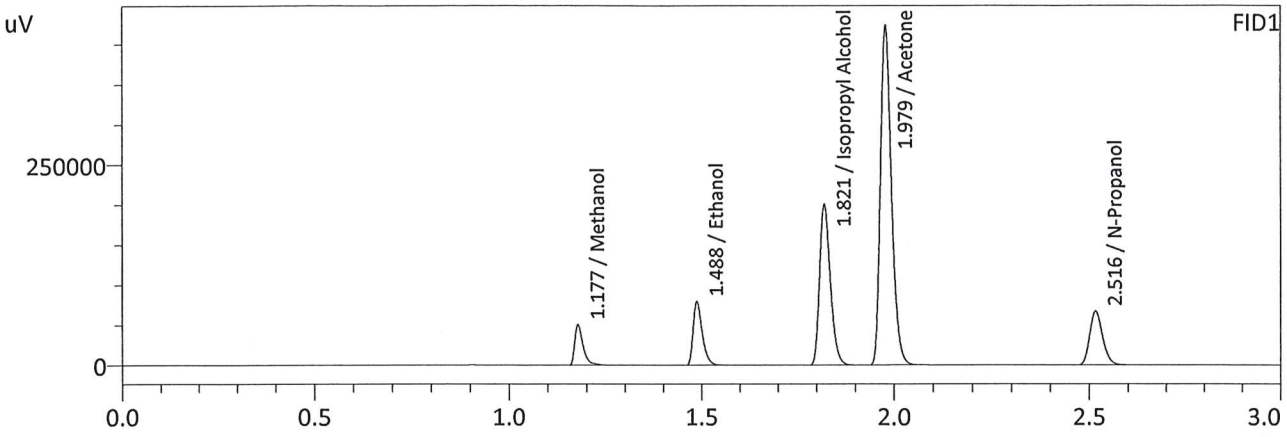
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5021	225134	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211222	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

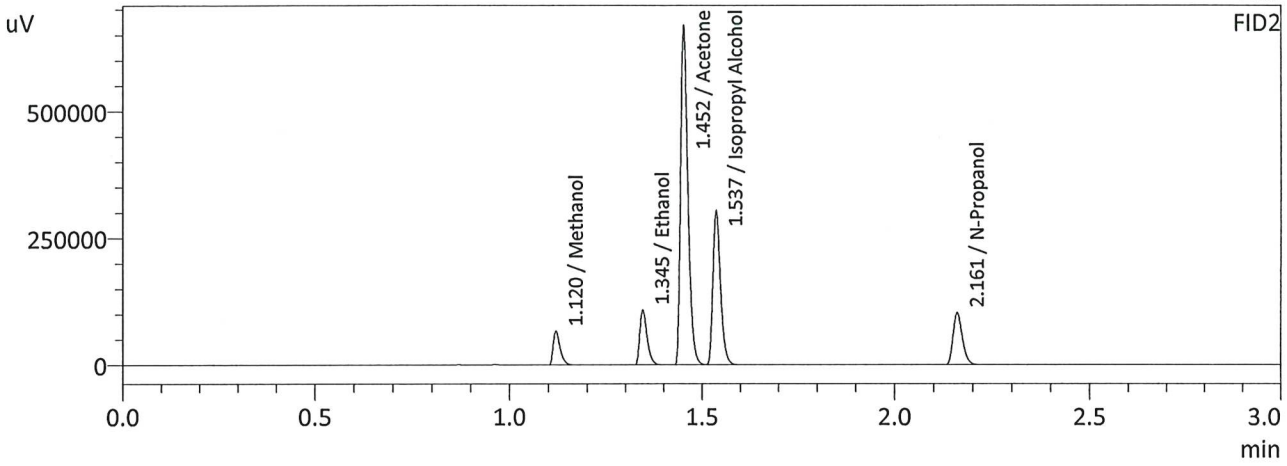
Meridian Blood Alcohol Analysis Batch Table

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 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-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
7	M2024-2231-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
8	M2024-2231-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
9	M2024-2247-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
10	M2024-2247-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
11	M2024-2258-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
12	M2024-2258-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
13	M2024-2259-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
14	M2024-2259-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
15	M2024-2260-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
16	M2024-2260-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
17	M2024-2262-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
18	M2024-2262-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
19	M2024-2263-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
20	M2024-2263-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
21	M2024-2299-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
22	M2024-2299-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
23	M2024-2337-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
24	M2024-2337-1-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	M2024-2364-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
28	M2024-2364-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
29	M2024-2365-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
30	M2024-2365-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
31	M2024-2378-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
32	M2024-2378-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
33	M2024-2379-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
34	M2024-2379-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
35	M2024-2397-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
36	M2024-2397-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
37	M2024-2398-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
38	M2024-2398-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
39	M2024-2416-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
40	M2024-2416-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
41	M2024-2427-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
42	M2024-2427-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
43	M2024-2430-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
44	M2024-2430-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
45	P2024-1775-1	0:Unknown	0	ALCOHOL 240614 GG.gcm
46	P2024-1775-1-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 240614 GG.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
49	QC-2-2	0:Unknown	0	ALCOHOL 240614 GG.gcm
50	QC-2-2-B	0:Unknown	0	ALCOHOL 240614 GG.gcm
51	INT STD BLK	0:Unknown	0	ALCOHOL 240614 GG.gcm

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 6/14/2024 1:19:47 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	76411	g/100cc
Ethanol	0.3965	131132	g/100cc
Isopropyl Alcohol	0.0000	389518	g/100cc
Acetone	0.0000	828253	g/100cc
N-Propanol	0.0000	156569	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	82548	g/100cc
Ethanol	0.3975	142741	g/100cc
Acetone	0.0000	900381	g/100cc
Isopropyl Alcohol	0.0000	421192	g/100cc
N-Propanol	0.0000	169627	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 6/14/2024 1:44:39 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	0.0839	0.0004	0.0841	0.0012	0.0835
(g/100cc)	0.0832	0.0827	0.0005	0.0829		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

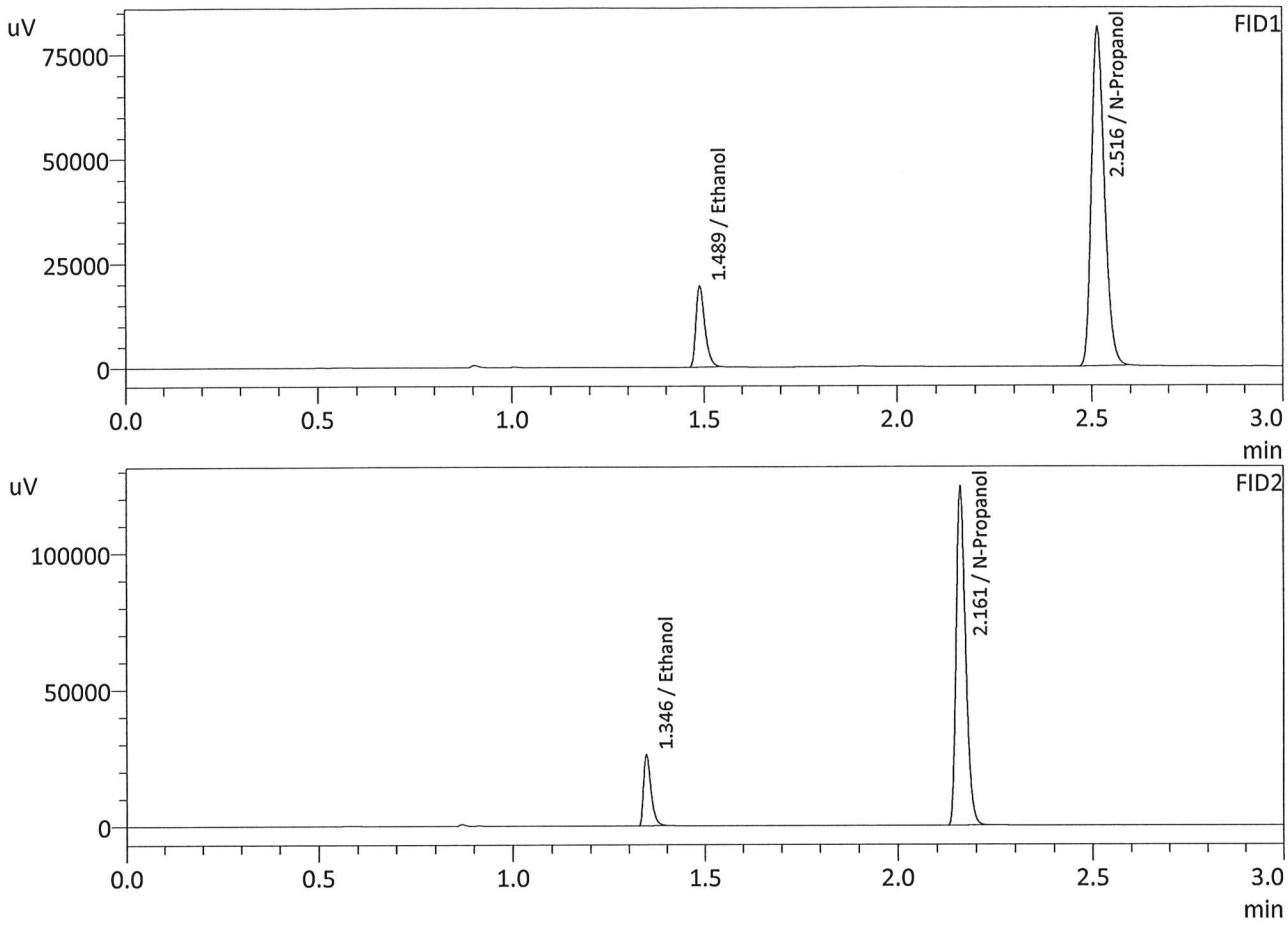
Refer To Instrument Method: ALCOHOL_240614_GG.gcm

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

Reported Results
0.083

Calibration and control data are stored centrally.

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 6/14/2024 1:44:39 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



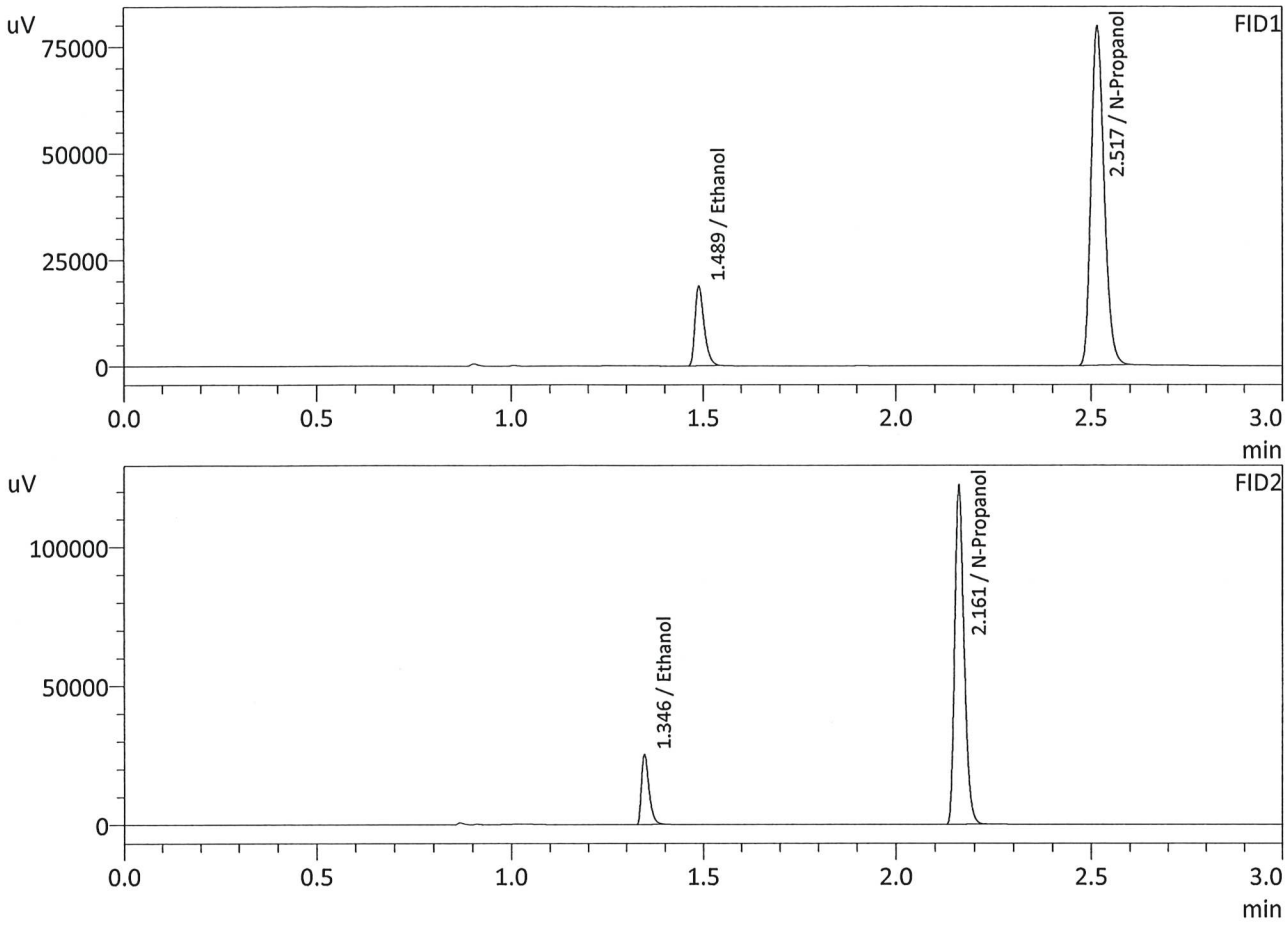
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0843	32201	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189270	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0839	34784	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205549	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 6/14/2024 1:52:17 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	0.0832	31166	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185924	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0827	33682	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202096	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 6/14/2024 1:27:28 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0832	0.0828	0.0004	0.0830	0.0008	0.0826
(g/100cc)	0.0823	0.0821	0.0002	0.0822		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

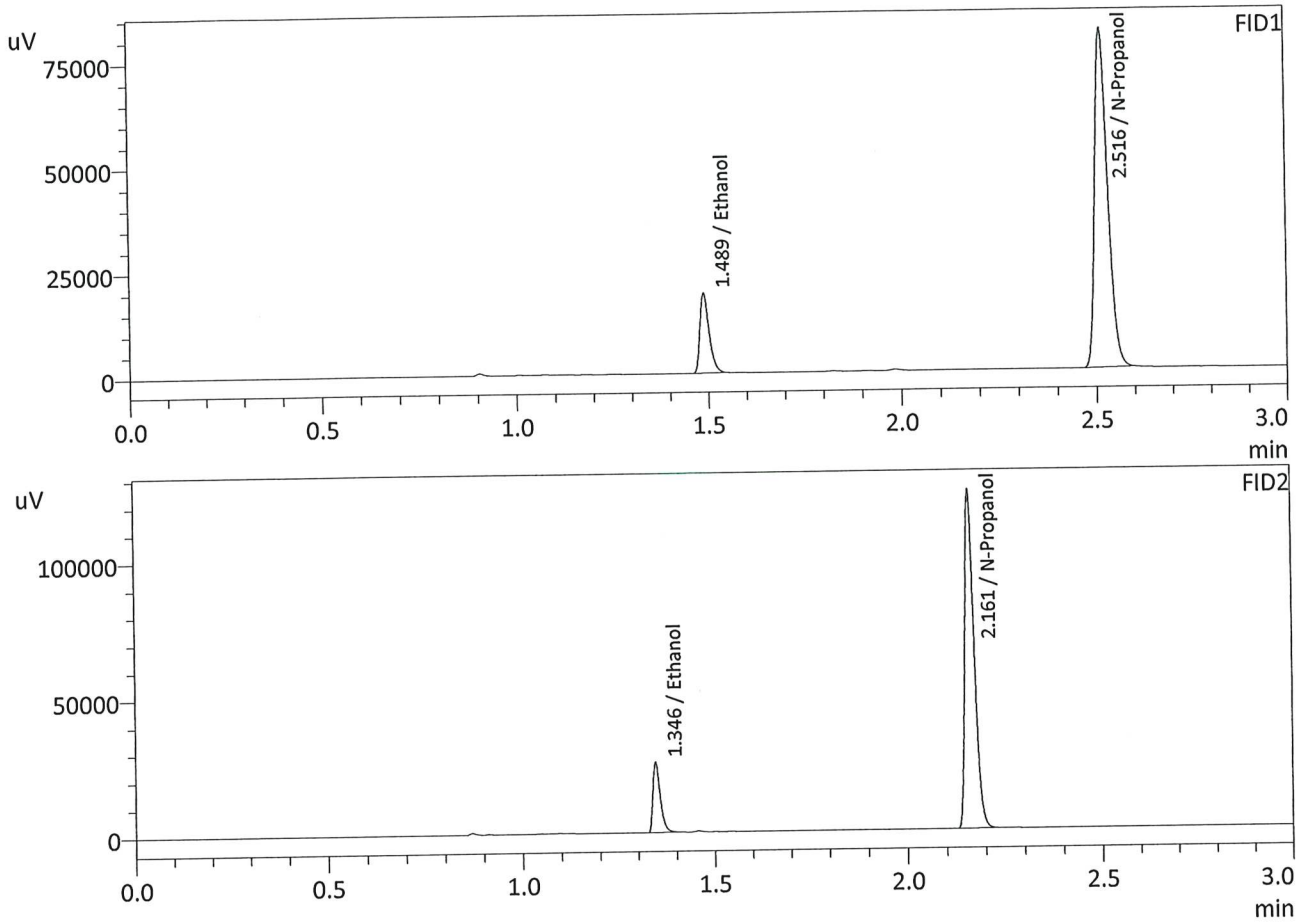
Refer To Instrument Method: ALCOHOL_240614_GG.gcm

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

Reported Results
0.082

Calibration and control data are stored centrally.

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 6/14/2024 1:27:28 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

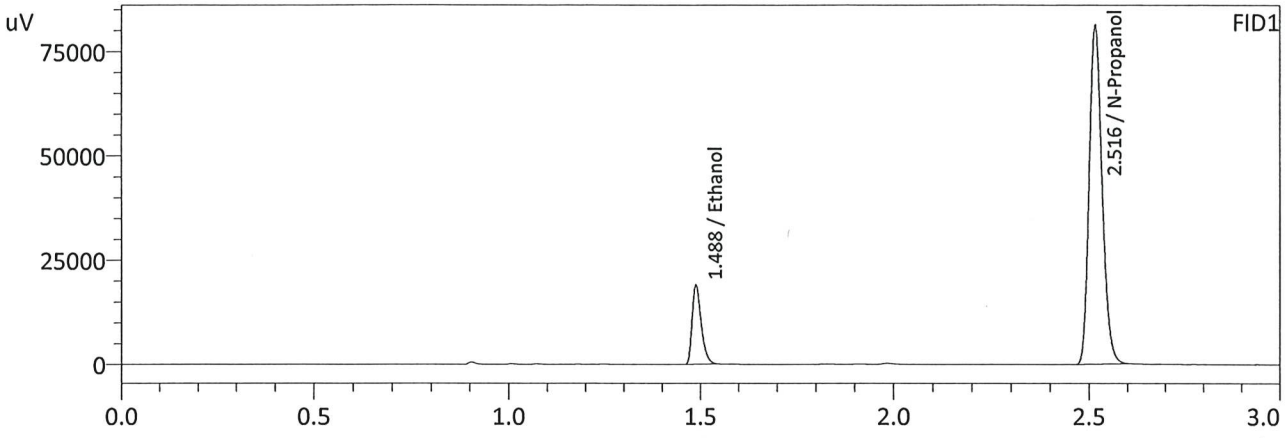
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0832	31633	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188517	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

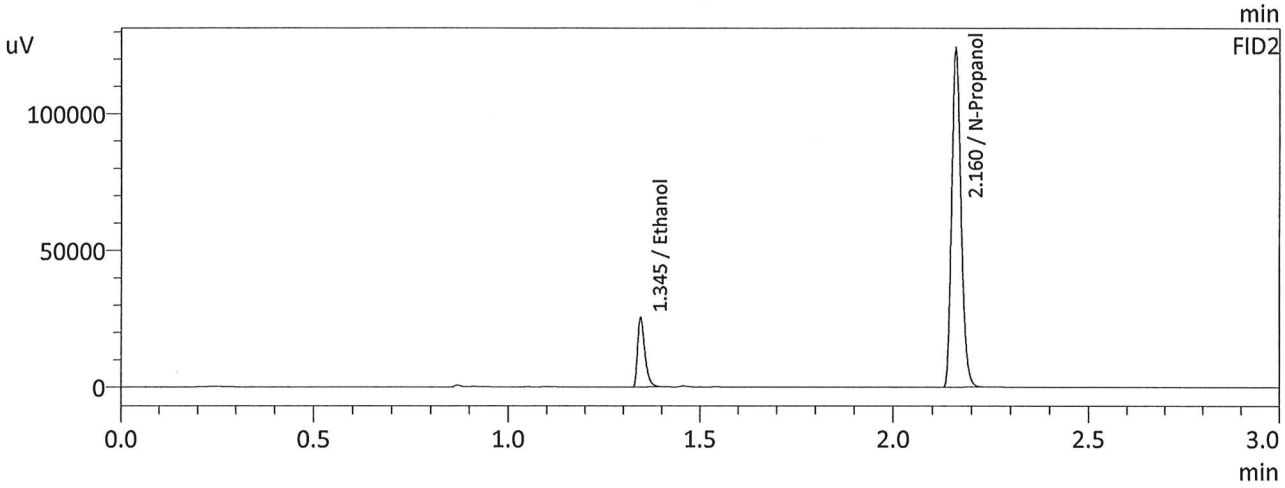
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	34166	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204690	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NV

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 6/14/2024 1:35:52 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	0.0823	31402	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189511	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	33948	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205353	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 6/14/2024 7:24:10 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0866	0.0864	0.0002	0.0865	0.0017	0.0856
(g/100cc)	0.0849	0.0848	0.0001	0.0848		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

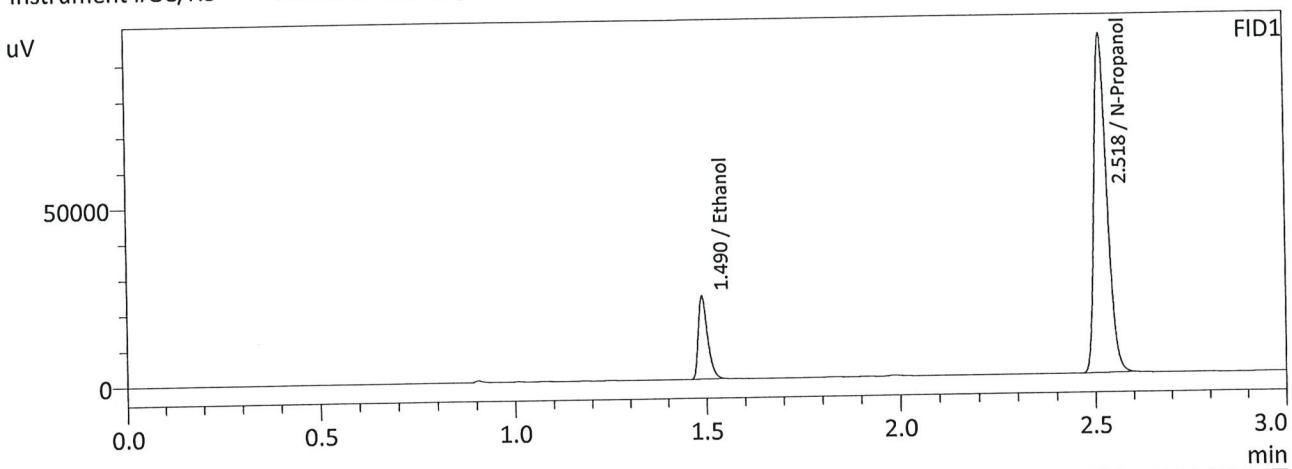
Refer To Instrument Method: ALCOHOL_240614_GG.gcm

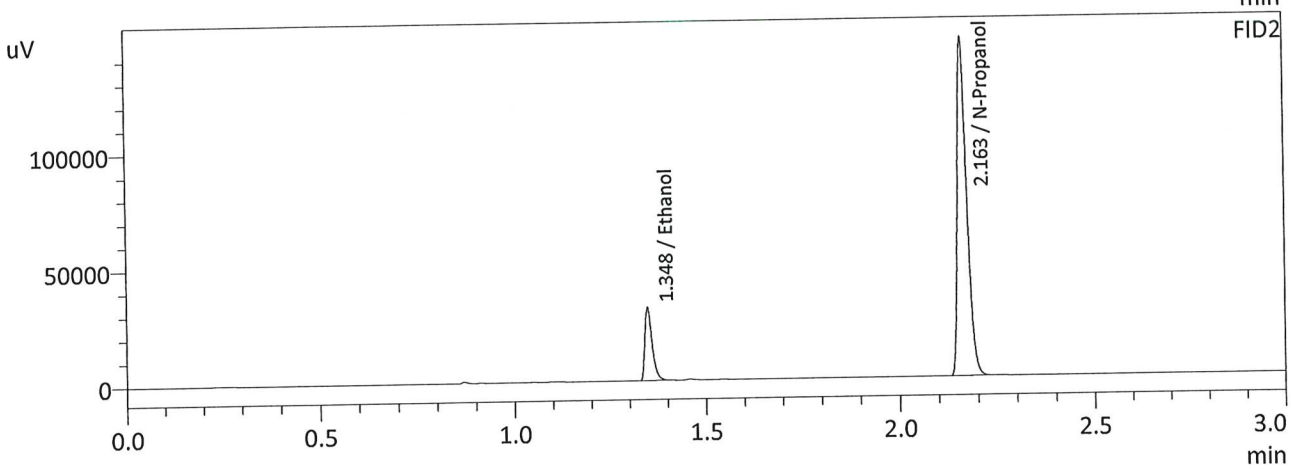
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.085	0.080	0.090	0.005

Reported Results
0.085

Calibration and control data are stored centrally.

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 6/14/2024 7:24:10 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





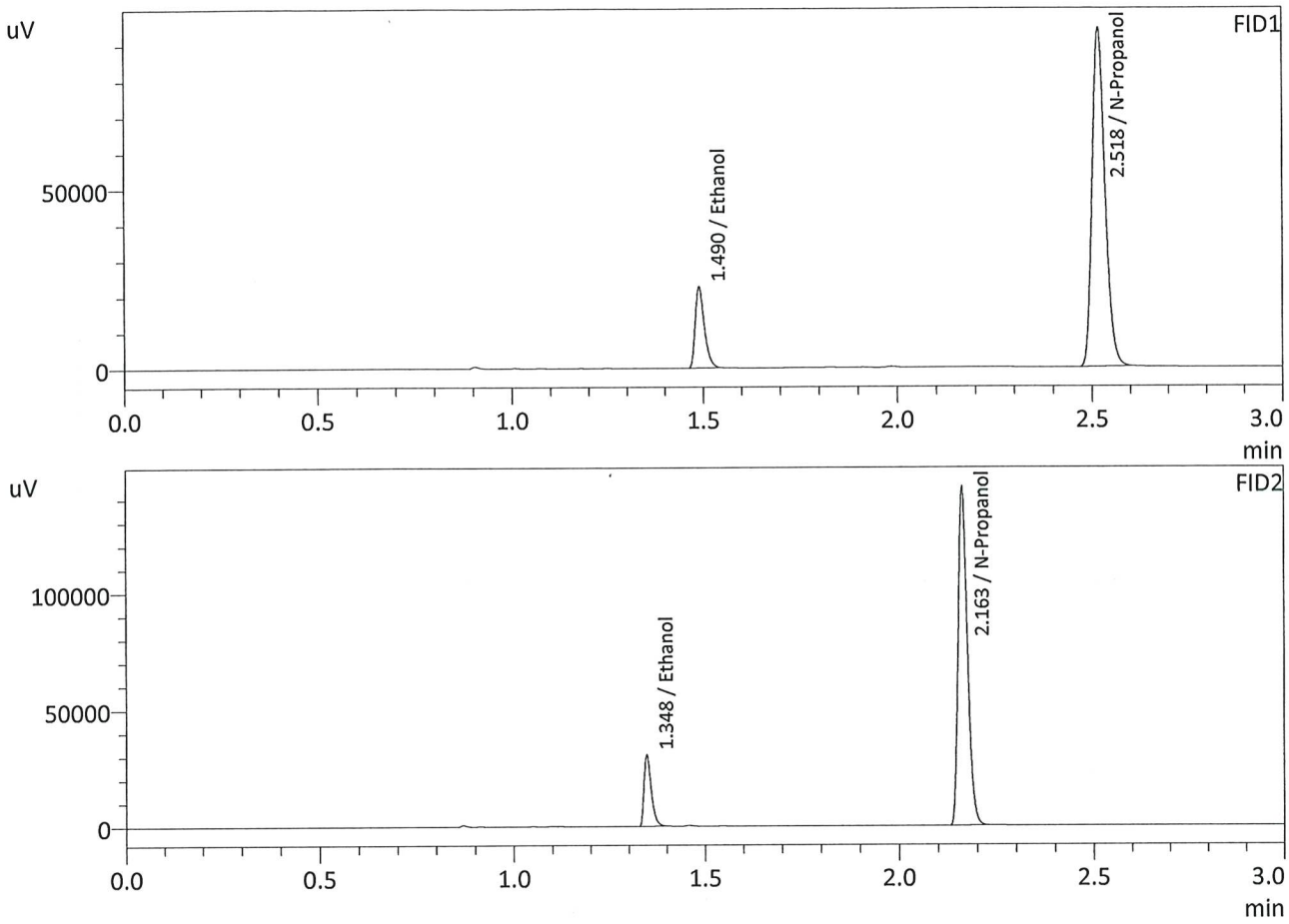
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0866	38780	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221605	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0864	42141	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	241580	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 6/14/2024 7:33:03 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	0.0849	37680	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219818	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0848	40956	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	239284	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 6/14/2024 4:25:16 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2110	0.2108	0.0002	0.2109	0.0053	0.2135
(g/100cc)	0.2160	0.2165	0.0005	0.2162		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

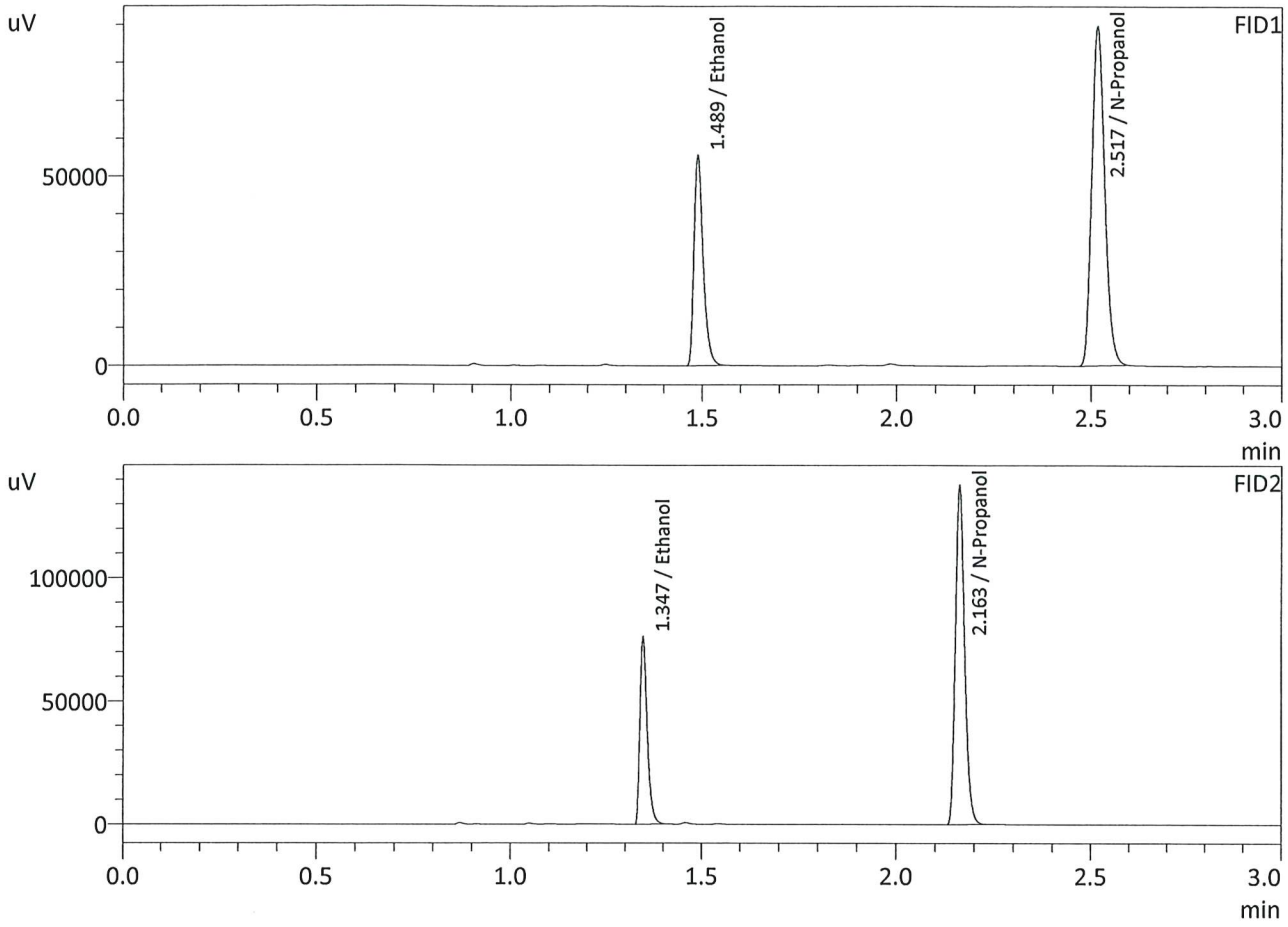
Refer To Instrument Method: ALCOHOL_240614_GG.gcm

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 : QC-2-1
Laboratory : Meridian
Injection Date : 6/14/2024 4:25:16 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



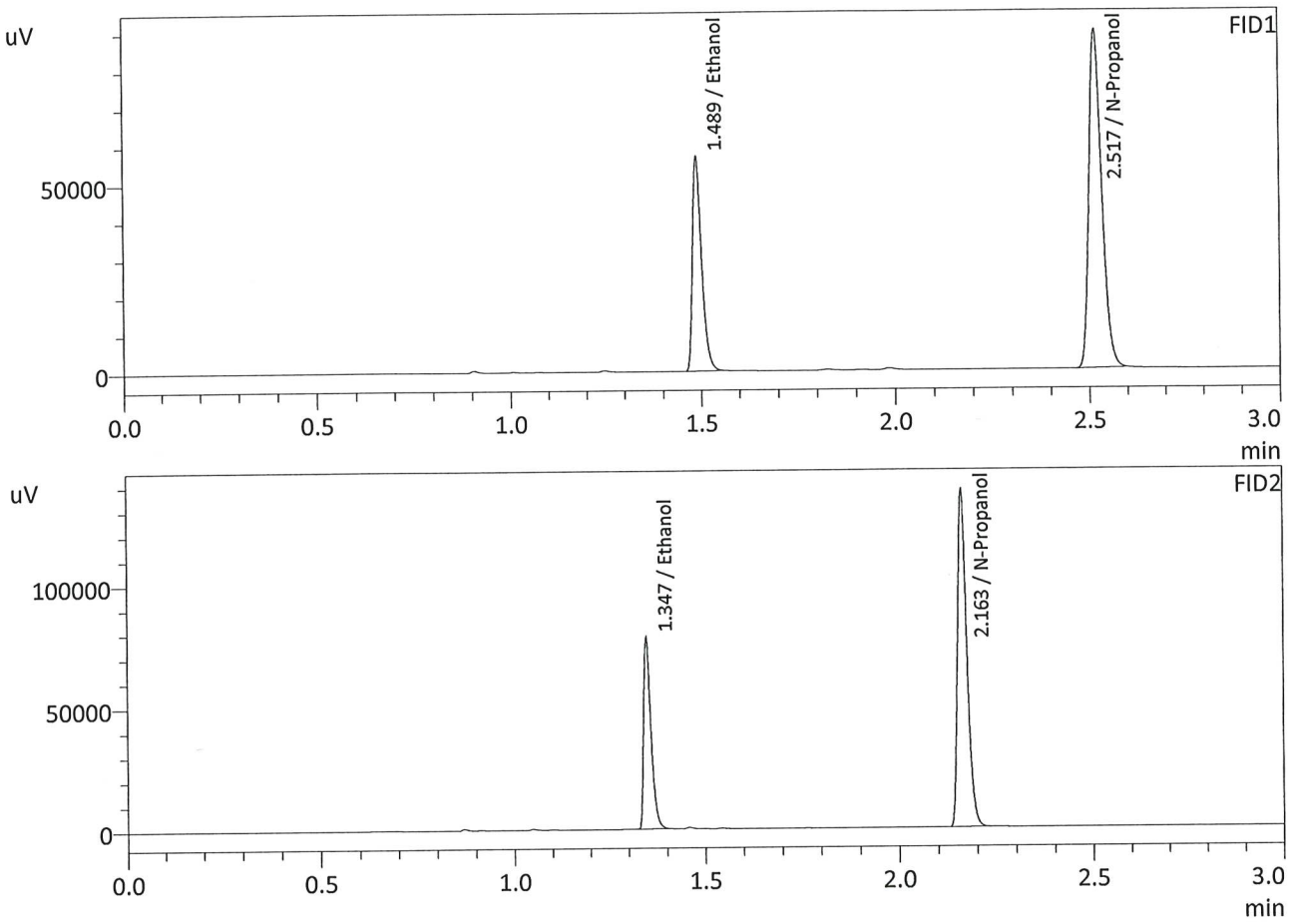
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2110	92093	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208817	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2108	100424	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227607	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 6/14/2024 4:33:16 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	0.2160	94496	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209221	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2165	103455	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228176	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 6/14/2024 7:40:15 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2122	0.2119	0.0003	0.2120	0.0025	0.2132
(g/100cc)	0.2145	0.2145	0.0000	0.2145		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

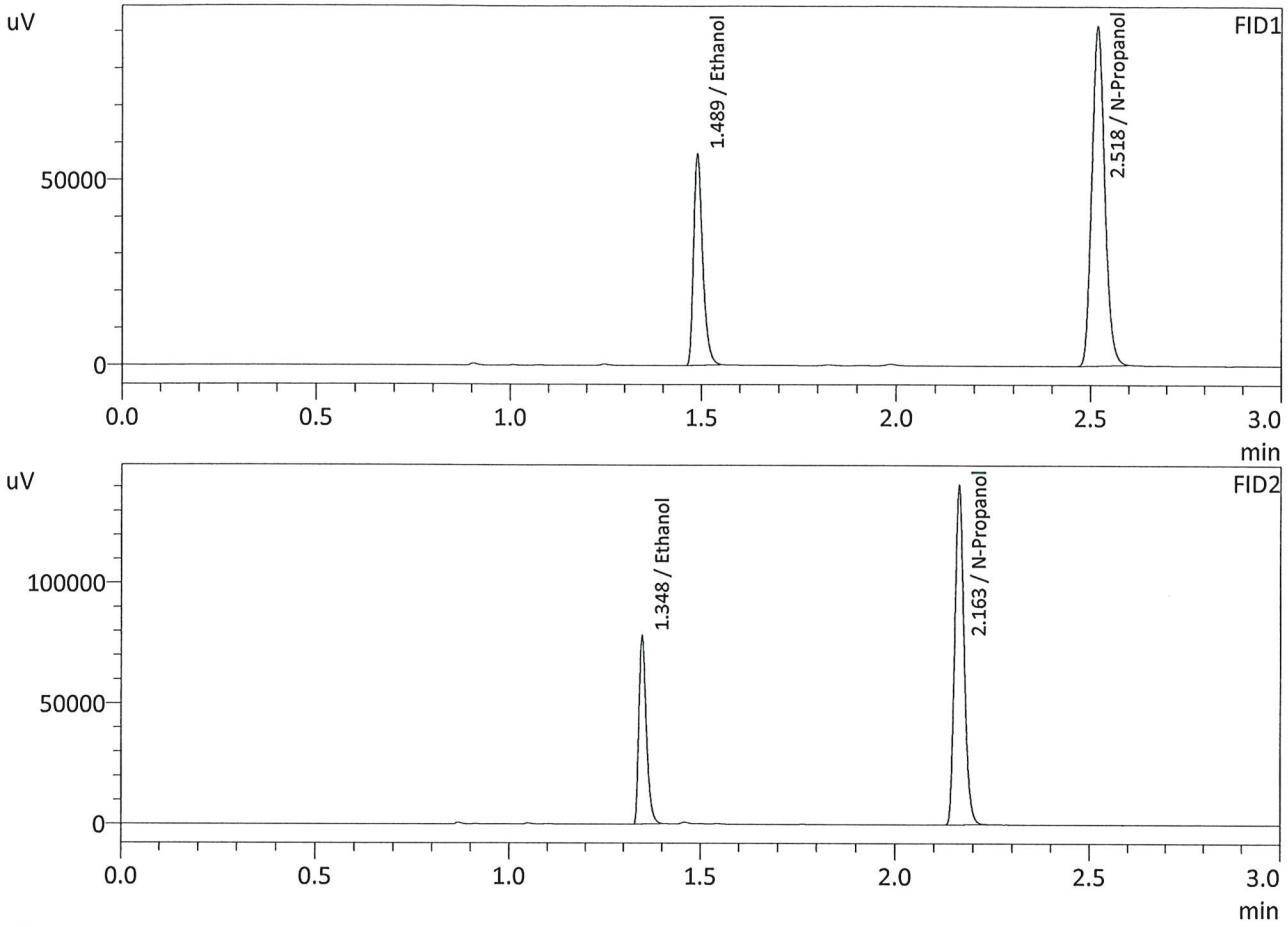
Refer To Instrument Method: ALCOHOL_240614_GG.gcm

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 : QC-2-2
Laboratory : Meridian
Injection Date : 6/14/2024 7:40:15 PM
Vial # : 49
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



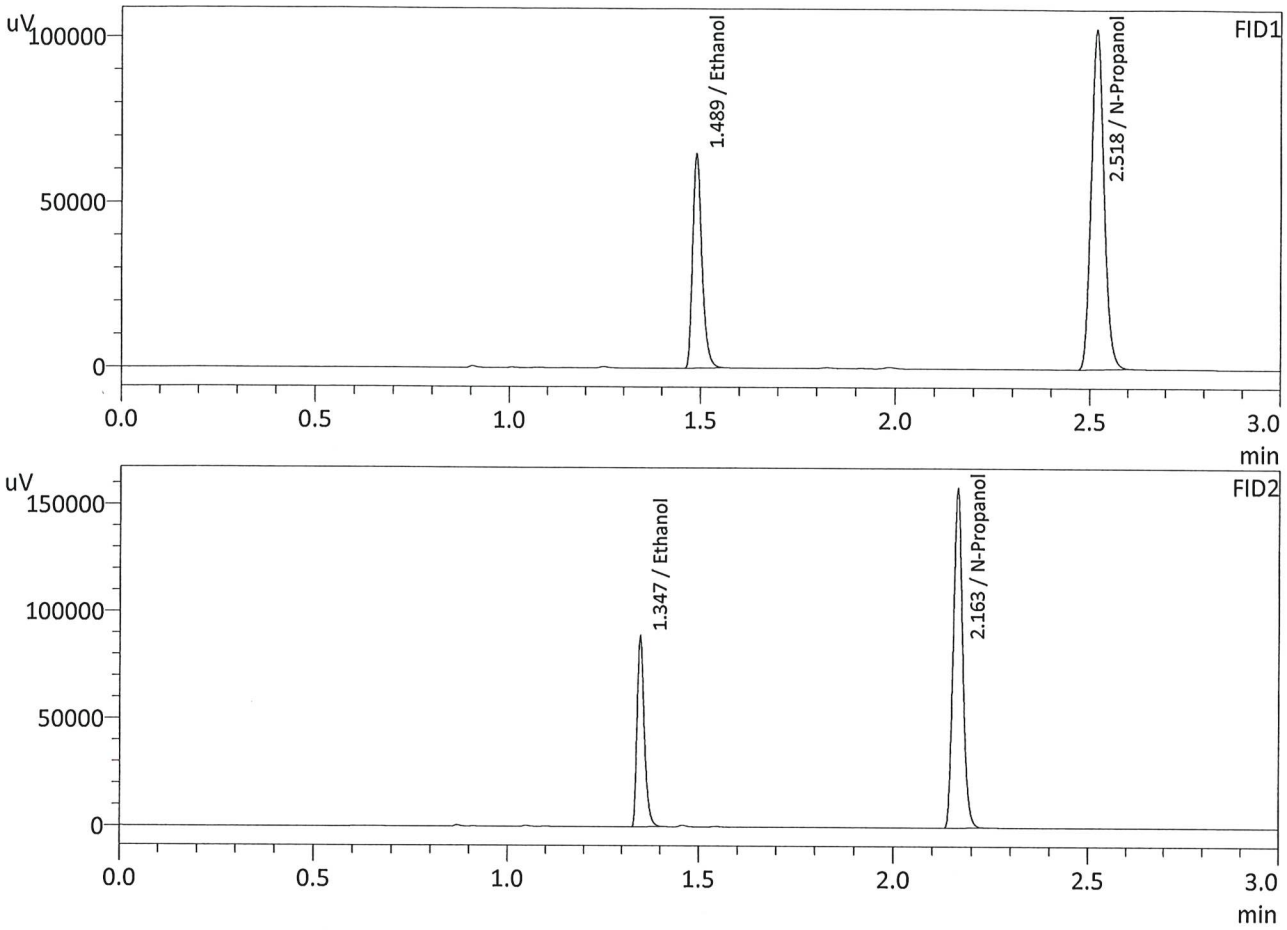
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2122	94545	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213118	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2119	103131	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	232482	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 6/14/2024 7:48:57 PM
Vial # : 50
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



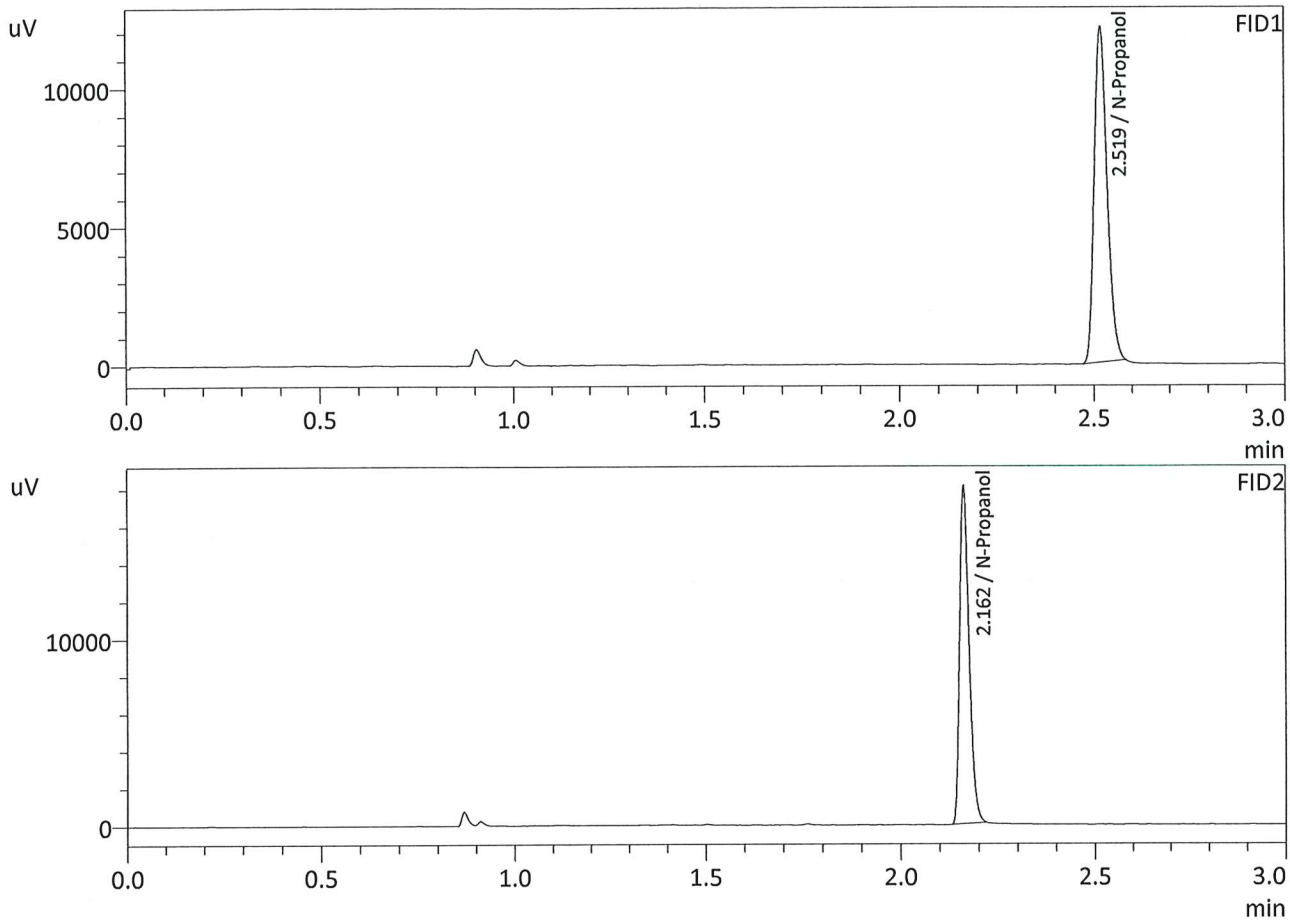
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2145	107488	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	239668	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2145	117229	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	260971	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 6/14/2024 1:12:27 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240614_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

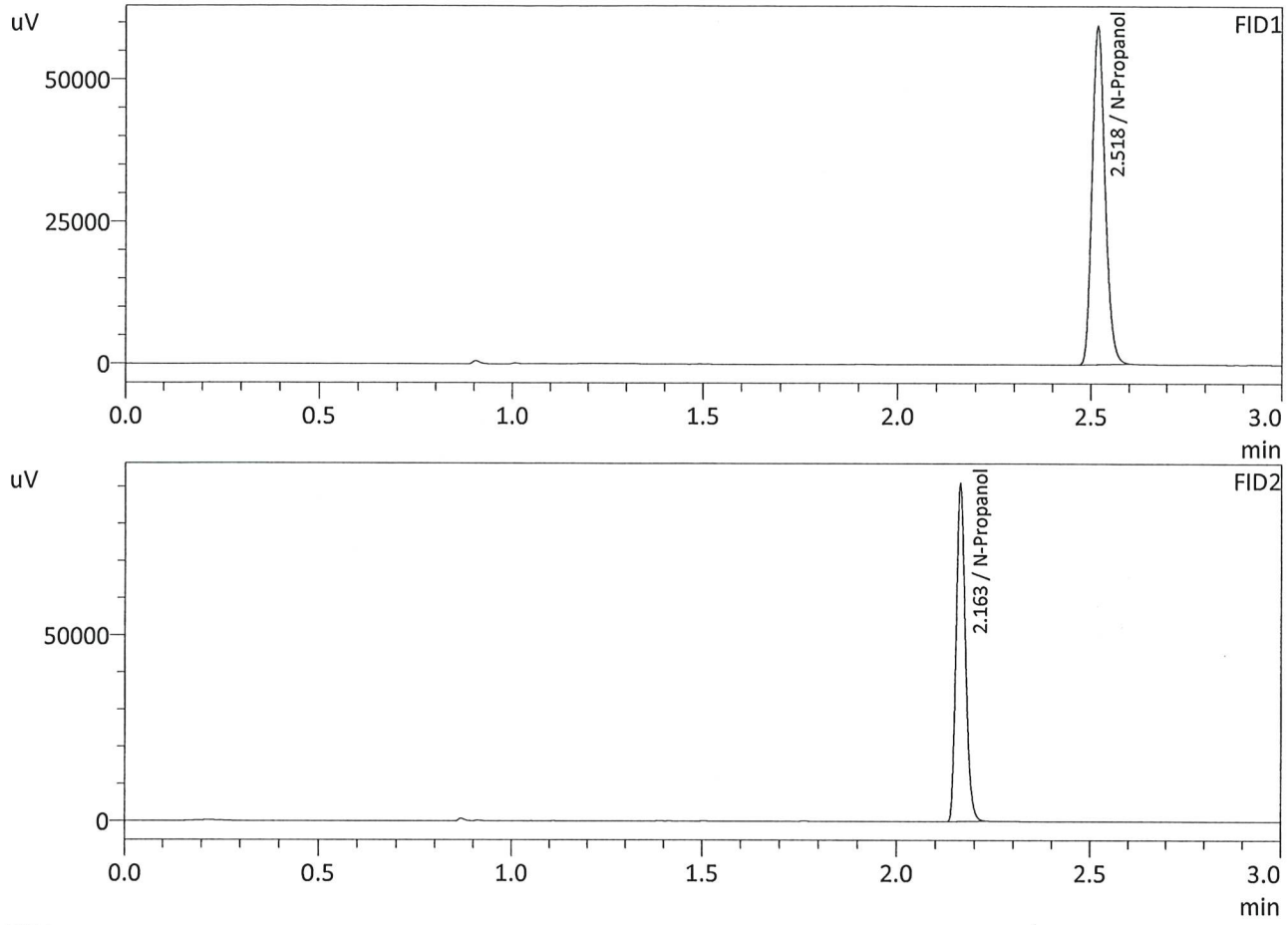
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	28340	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	30472	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

65

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 6/14/2024 7:58:04 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	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	138922	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	150997	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc