REVIEWED
By Galina Giso at 2:07 pm, Apr 27, 2023

4/26/2023

Worklist: 6349

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2023-0924	1	BCK	Alcohol Analysis
M2023-1611	1	BCK	Alcohol Analysis
M2023-1612	1	BCK	Alcohol Analysis
M2023-1613	1	BCK	Alcohol Analysis
M2023-1614	1	BCK	Alcohol Analysis
M2023-1615	1	BCK	Alcohol Analysis
M2023-1616	1	BCK	Alcohol Analysis
M2023-1617	1	BCK	Alcohol Analysis
M2023-1618	1	BCK	Alcohol Analysis
M2023-1625	1	BCK	Alcohol Analysis
M2023-1634	1	BCK	Alcohol Analysis
M2023-1653	1	BCK	Alcohol Analysis
M2023-1699	1	BCK	Alcohol Analysis
M2023-1703	1	BCK	Alcohol Analysis
M2023-1704	1	BCK	Alcohol Analysis
M2023-1723	1	BCK	Alcohol Analysis
M2023-1759	1	BCK	Alcohol Analysis
M2023-1760	1	BCK	Alcohol Analysis
M2023-1761	1	BCK	Alcohol Analysis
M2023-1762	1	BCK	Alcohol Analysis
M2023-1763	1	BLOOD	Alcohol Analysis

Worklist: 6349

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2023-0589	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): 4/26/23**

Calibration Date: 4/26/23

Worklist #: 6349

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0789 g/100cc
					0.0816 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2060 g/100cc
					0.2073 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		**Column 1**	0.99950	**Column2**	0.99955

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	0.0523	0.0002	0.0524
100	0.100	0.090 - 0.110	0.1022	0.1022	0	0.1022
200	0.200	0.180 - 0.220	0.1965	0.1965	0	0.1965
300	0.300	0.270 - 0.330	0.2949	0.2952	0.0003	0.295
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5037	0.5035	0.0002	0.5036

Aqueous Controls

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

Internal Standard Monitoring Worksheet

Worklist #: **6349** **Run Date(s):** **4/26/23**

Internal Standard Solution:	Prep Date: 2/24/2023	Exp Date: 8/24/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	189440	205618
0.080	190523	206684
QC1	186327	201936
QC1	185493	201007
QC1	218863	237744
QC1	209414	227550
QC1		
QC1		
QC2	202591	220076
QC2	201625	219034
QC2	208628	226734
QC2	209483	227765
QC2		
QC2		

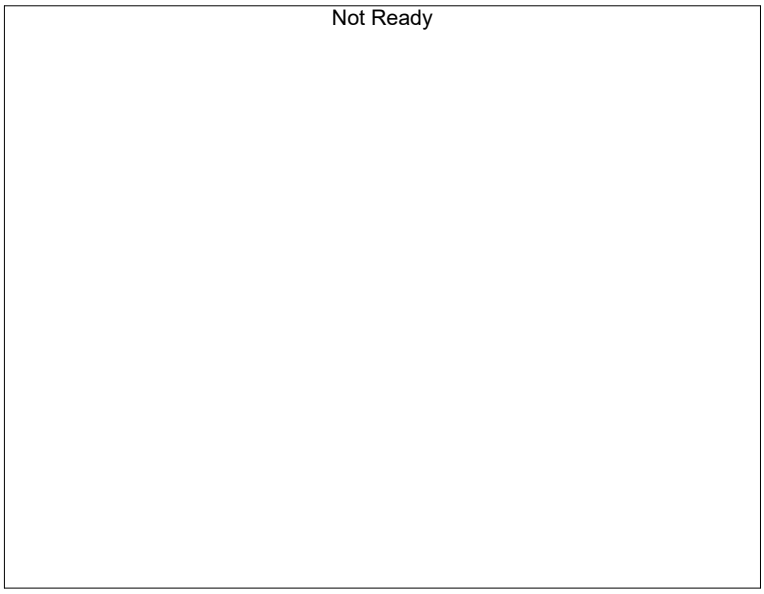
	Average	(-)20%	(+)20%
Column 1	200238.7	160191.0	240286.4
Column 2	217414.8	173931.8	260897.8

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

Calibration Table

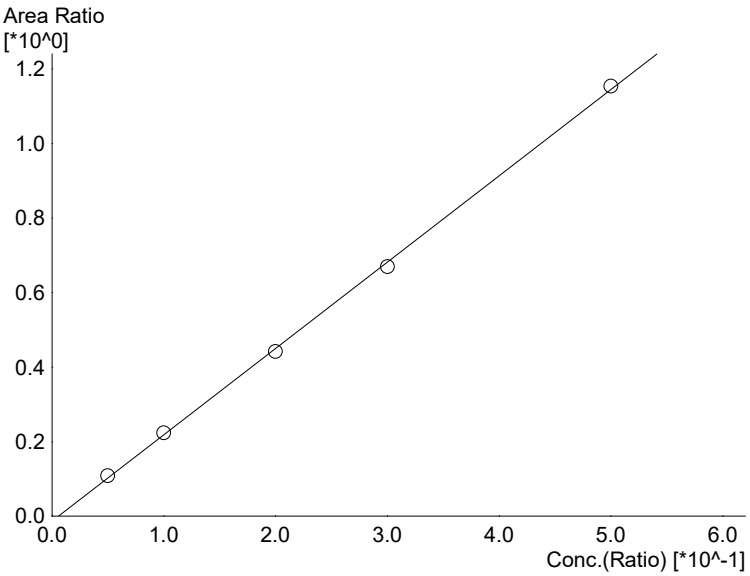
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
Method File :Default Project - ALCOHOL_230426NB.GCM.gcm
Date Created :4/26/2023 8:10:37 AM
Date Modified :4/27/2023 8:27:05 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)=2.31599*x-0.0132840
R^2 value= 0.9995032
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20335	0.0525
2	0.100	43174	0.1022
3	0.200	80916	0.1965
4	0.300	123950	0.2949
5	0.500	229060	0.5037

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

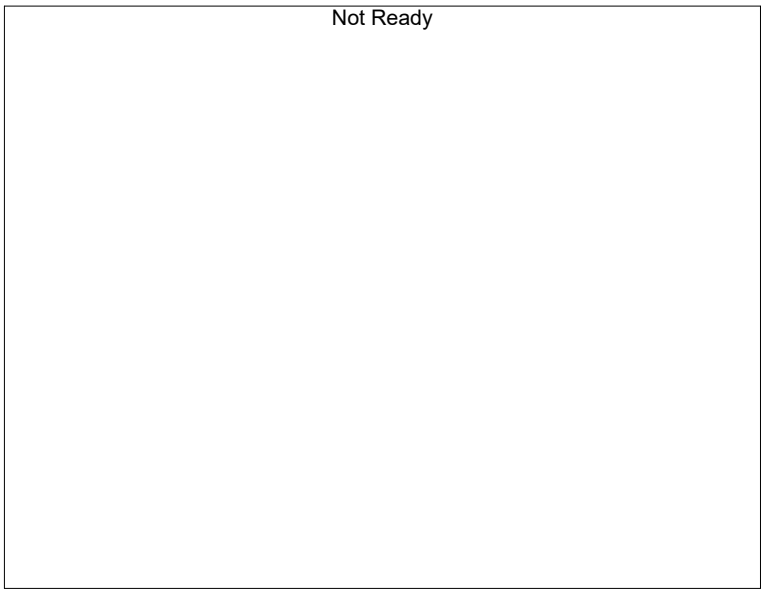
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

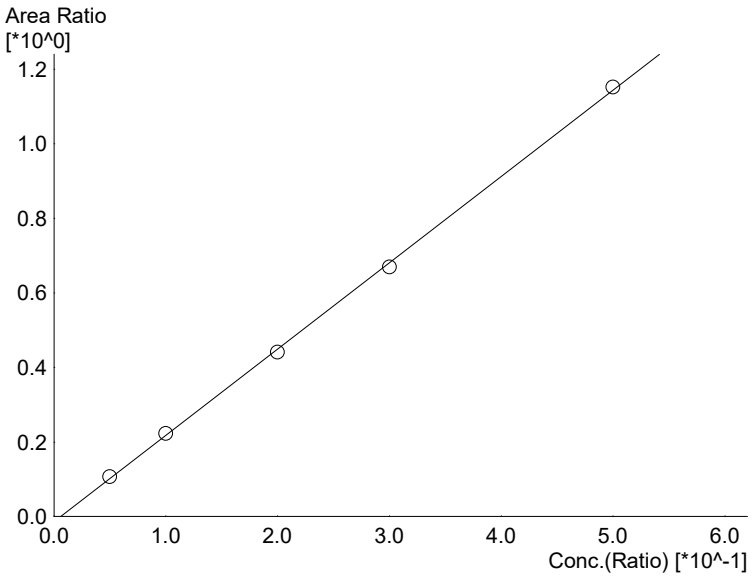
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



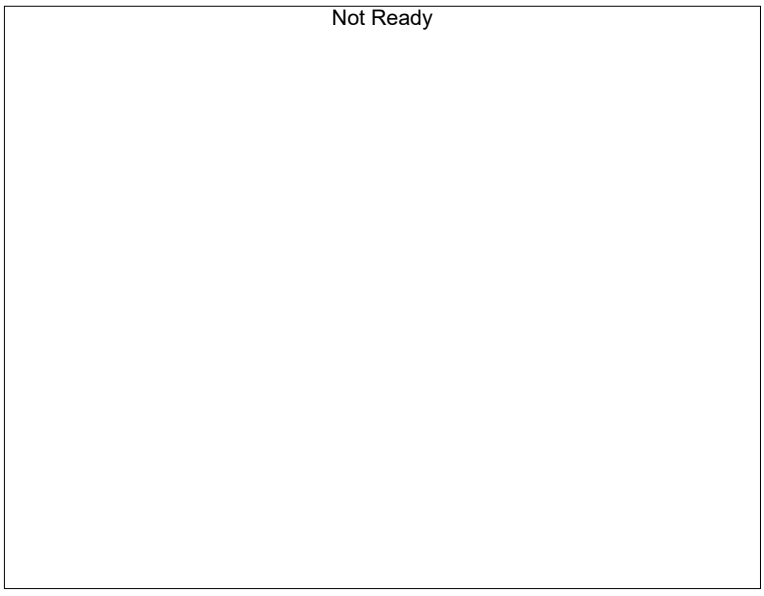
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



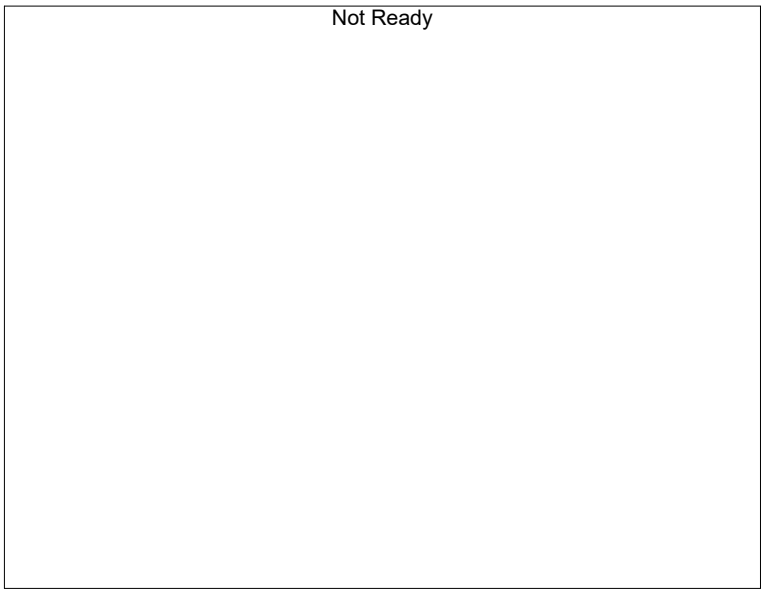
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.31617*x-0.0144246
R^2 value= 0.9995502
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	21702	0.0523
2	0.100	46589	0.1022
3	0.200	87466	0.1965
4	0.300	134293	0.2952
5	0.500	248161	0.5035



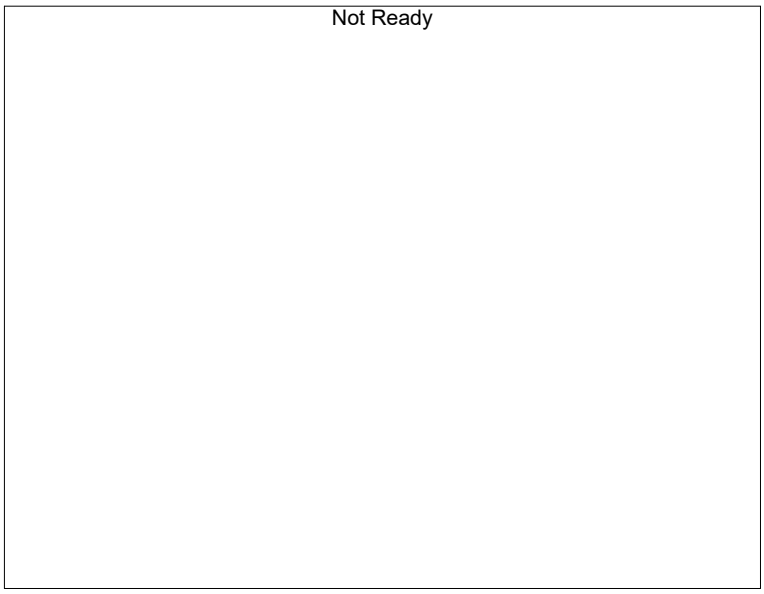
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

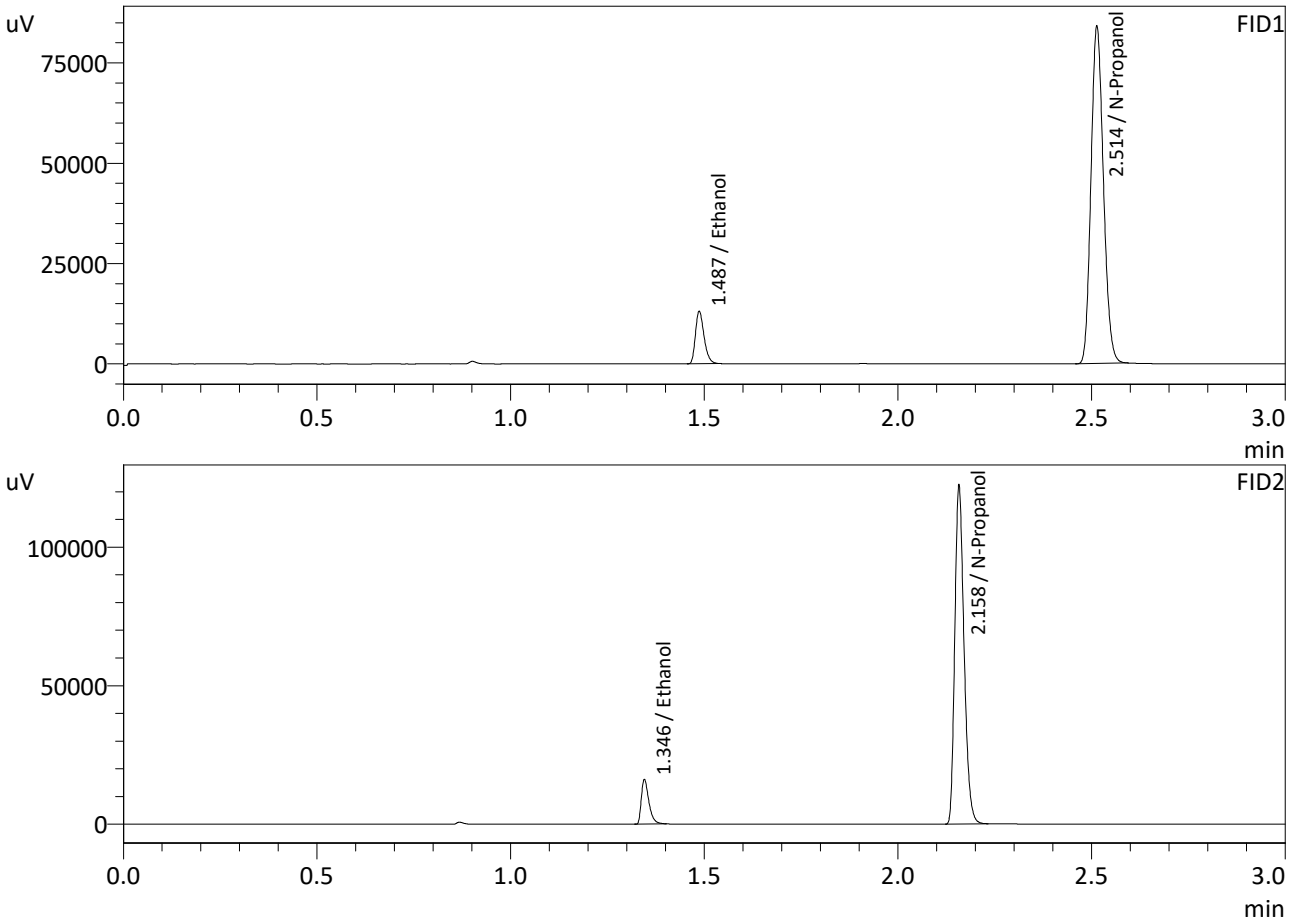
#	Conc.	Area	Std. Conc.



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 : 4/26/2023 3:42:12 PM
Vial # : 11
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

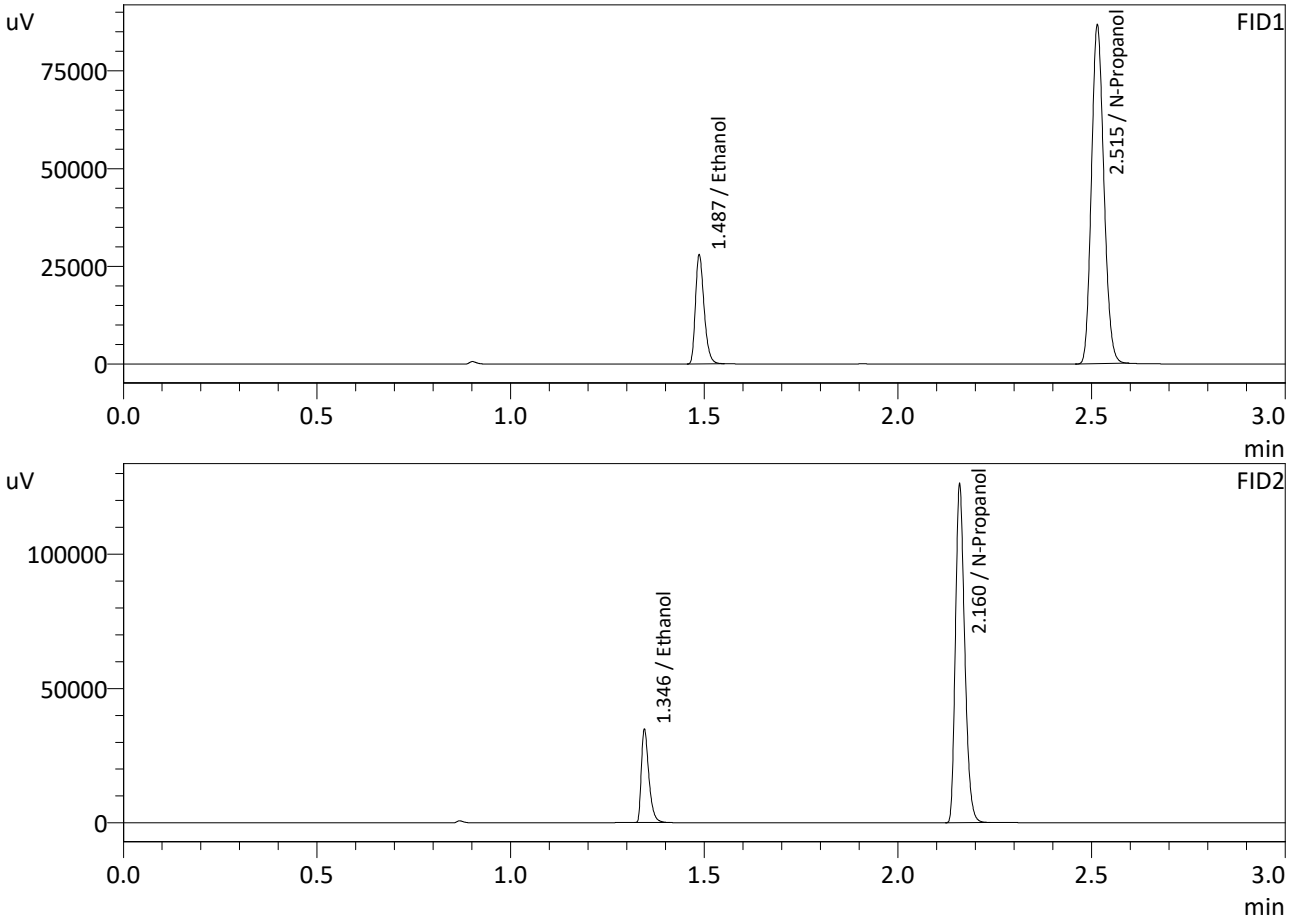
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0525	20335	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187436	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0523	21702	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203109	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 4/26/2023 3:49:33 PM
Vial # : 12
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

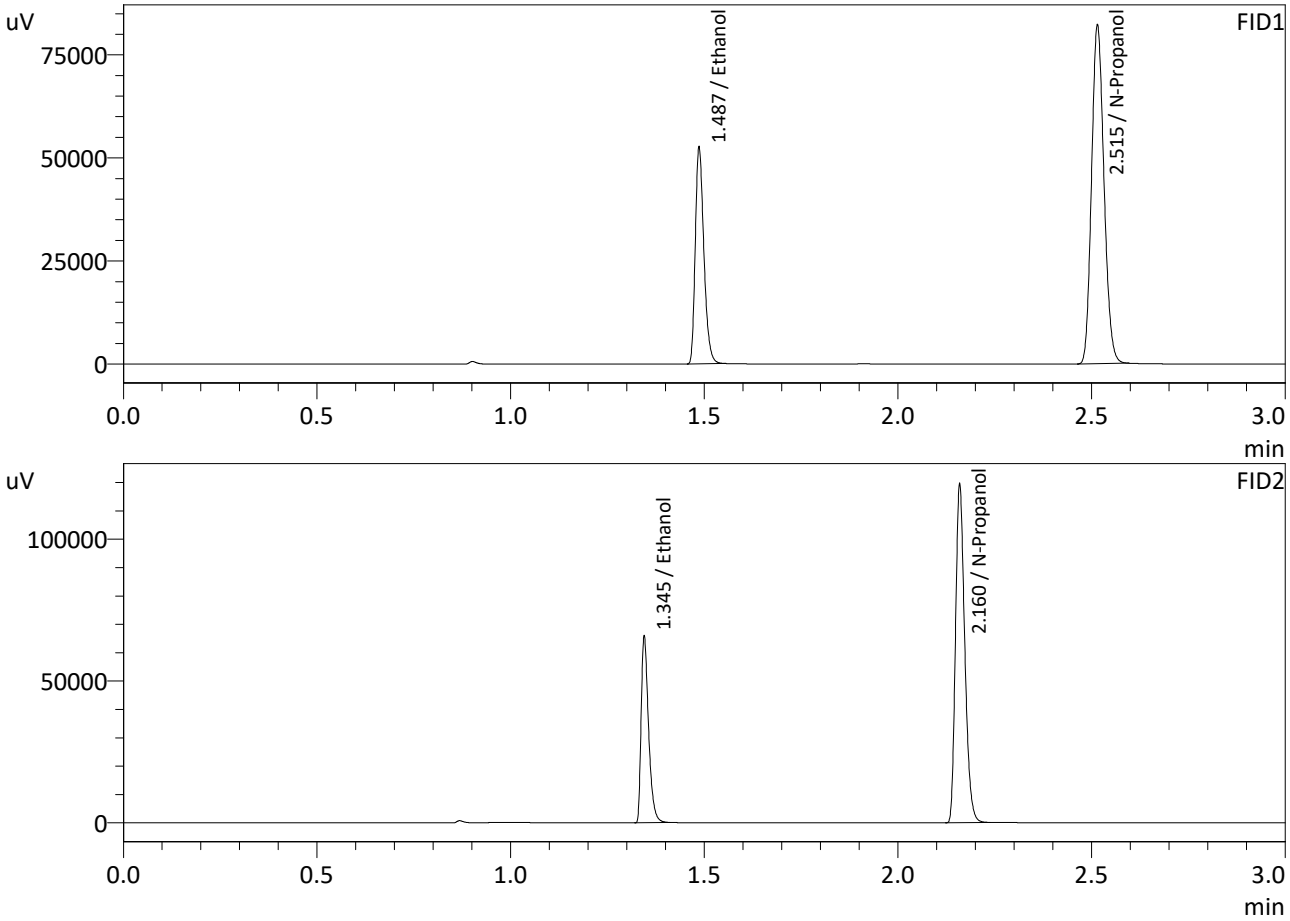
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1022	43174	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193166	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1022	46589	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	209390	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 4/26/2023 3:57:13 PM
Vial # : 13
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

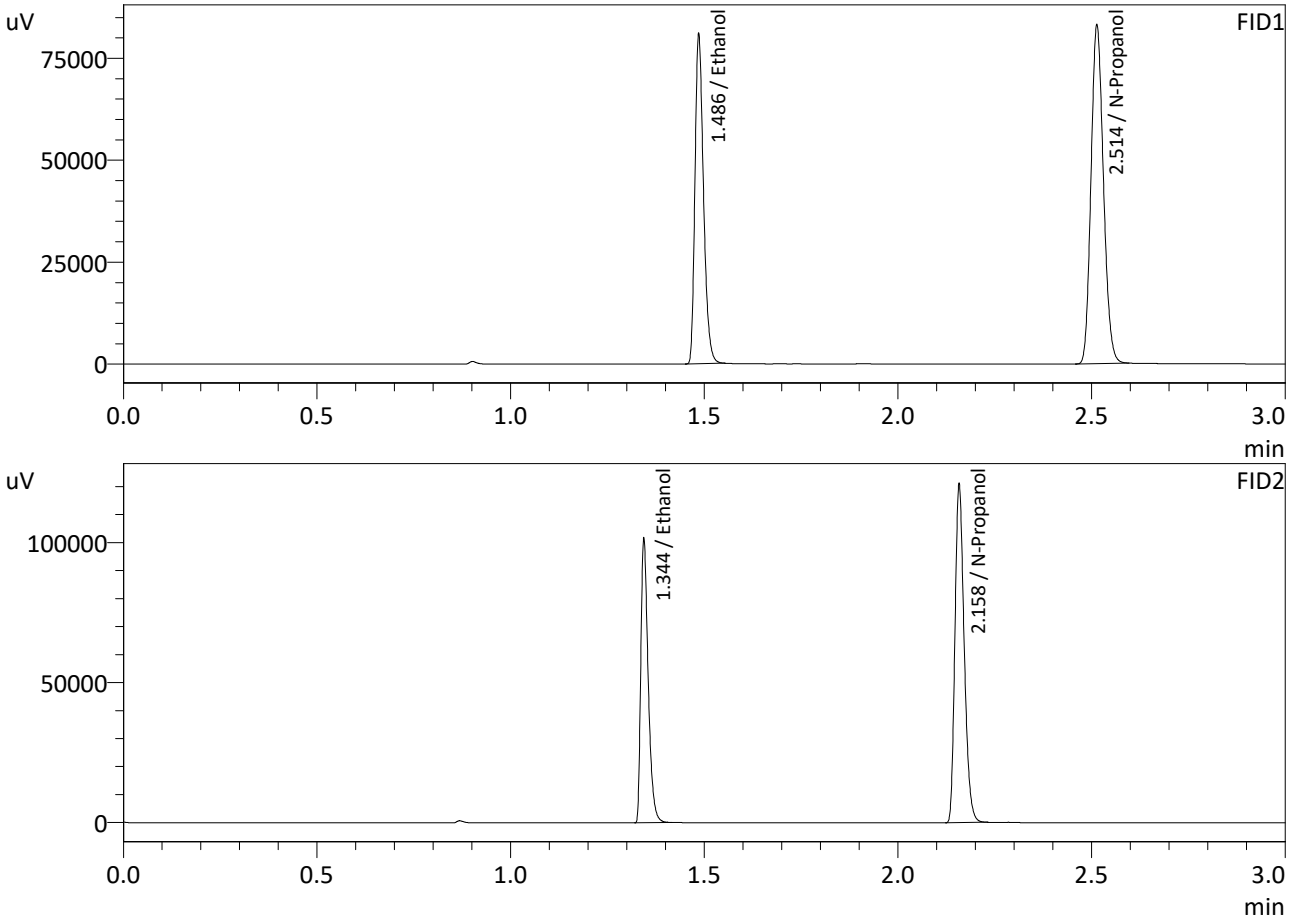
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1965	80916	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183110	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1965	87466	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198392	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 4/26/2023 4:05:54 PM
Vial # : 14
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

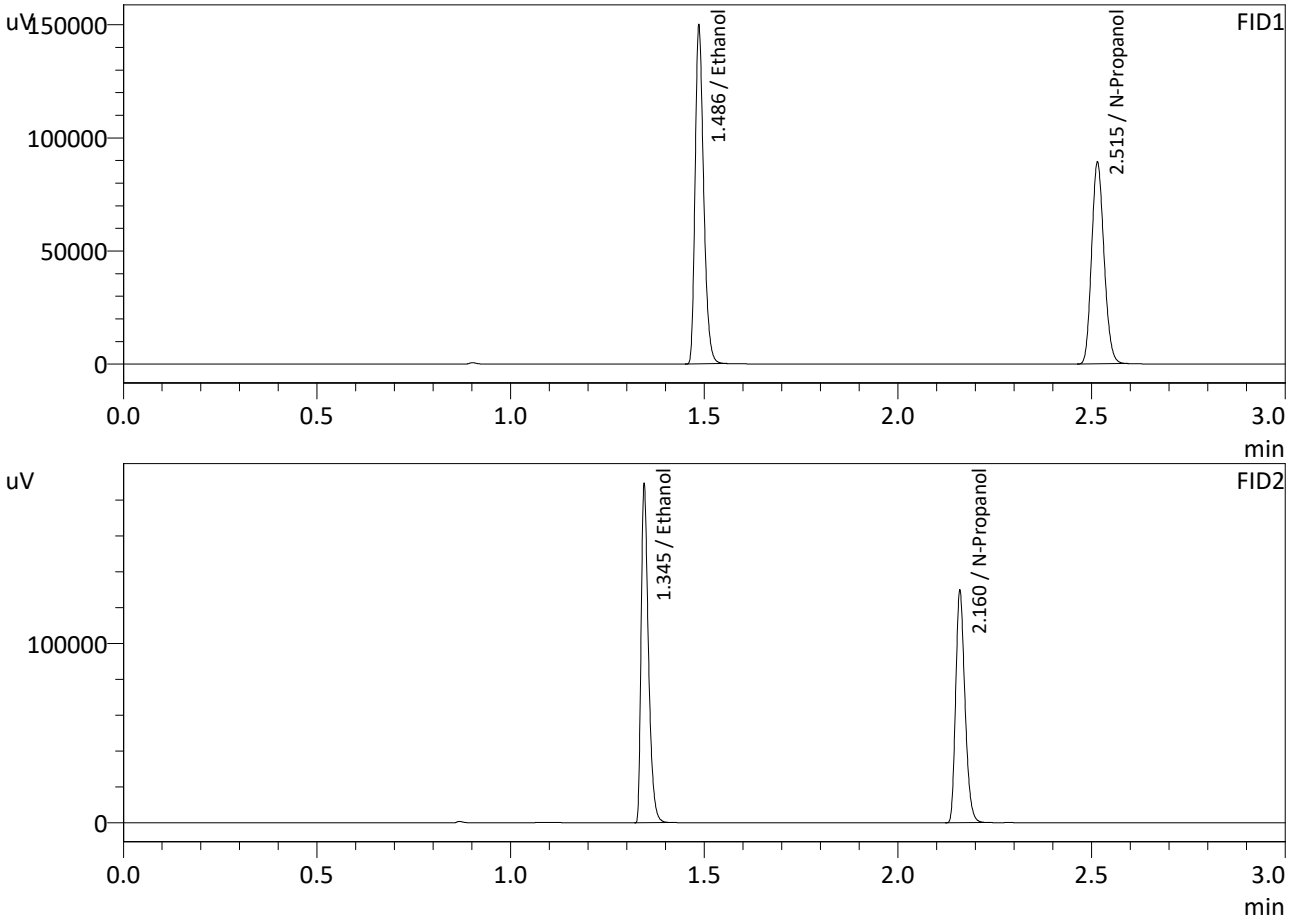
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2949	123950	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185081	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2952	134293	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200611	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 4/26/2023 4:13:28 PM
Vial # : 15
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

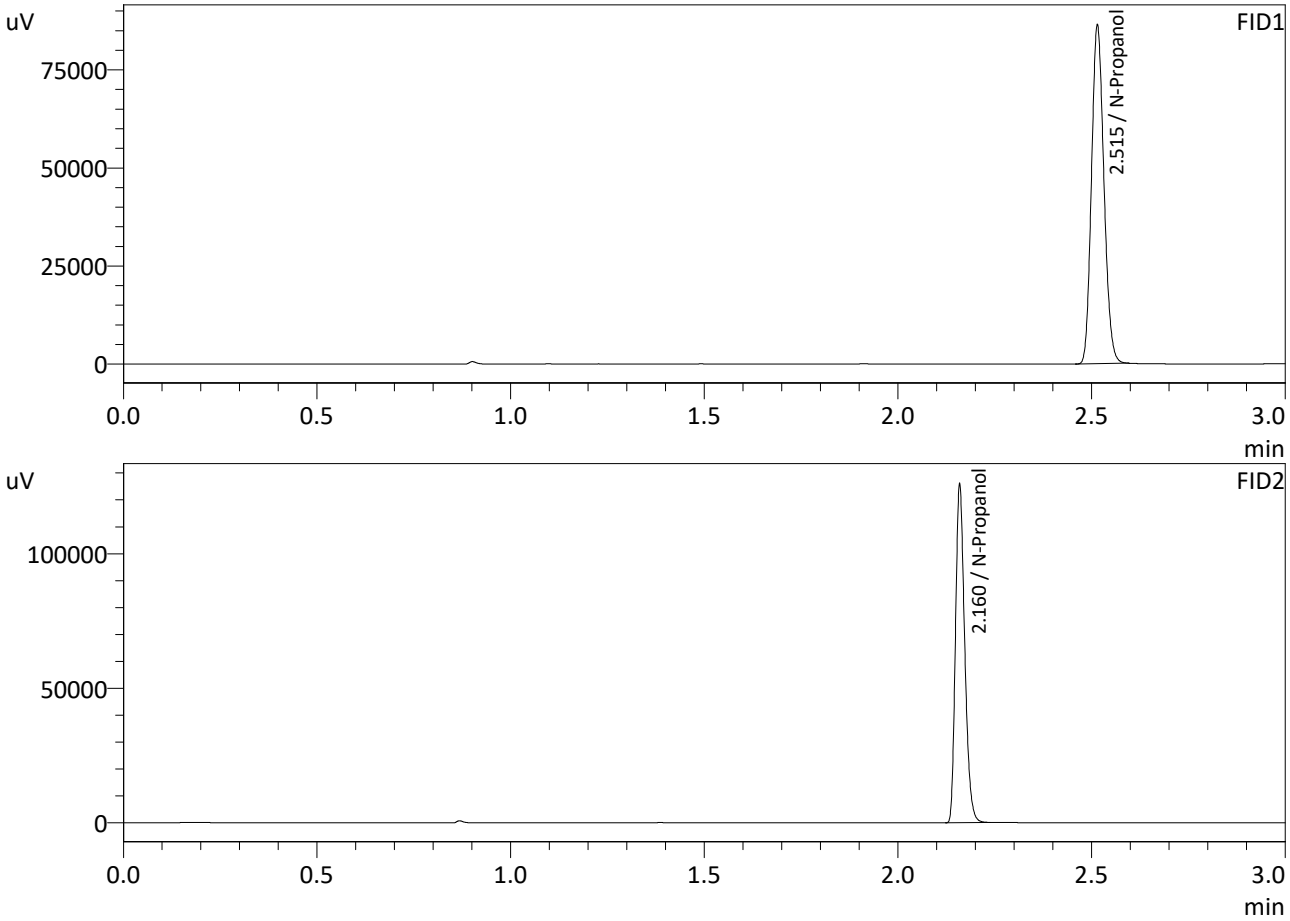
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5037	229060	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198602	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5035	248161	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215449	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 4/26/2023 4:21:56 PM
Vial # : 16
Method Filename : Default Project - ALCOHOL_230426NB.GCM.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	192410	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	208882	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

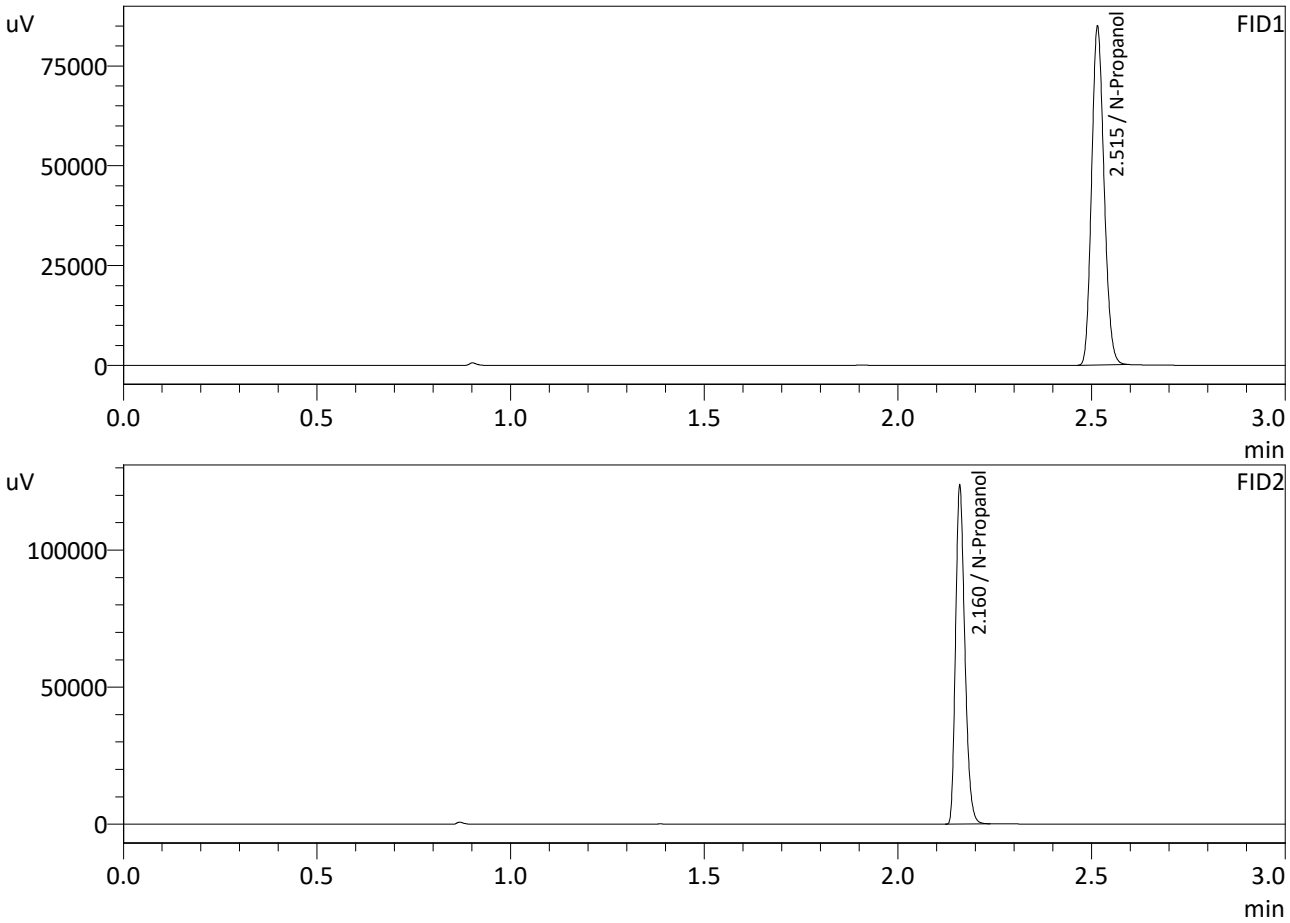
Meridian Blood Alcohol Analysis Batch Table

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
11	0.050	1:Standard:(I)	1	ALCOHOL_230426NB.GCM.gcm
12	0.100	1:Standard	2	ALCOHOL_230426NB.GCM.gcm
13	0.200	1:Standard	3	ALCOHOL_230426NB.GCM.gcm
14	0.300	1:Standard	4	ALCOHOL_230426NB.GCM.gcm
15	0.500	1:Standard	5	ALCOHOL_230426NB.GCM.gcm
16	INT STD BLK	0:Unknown	0	ALCOHOL_230426NB.GCM.gcm

NB

Sample Name	: INT STD BLK 1
Laboratory	: Meridian
Injection Date	: 4/26/2023 4:47:53 PM
Vial #	: 17
Method Filename	: Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

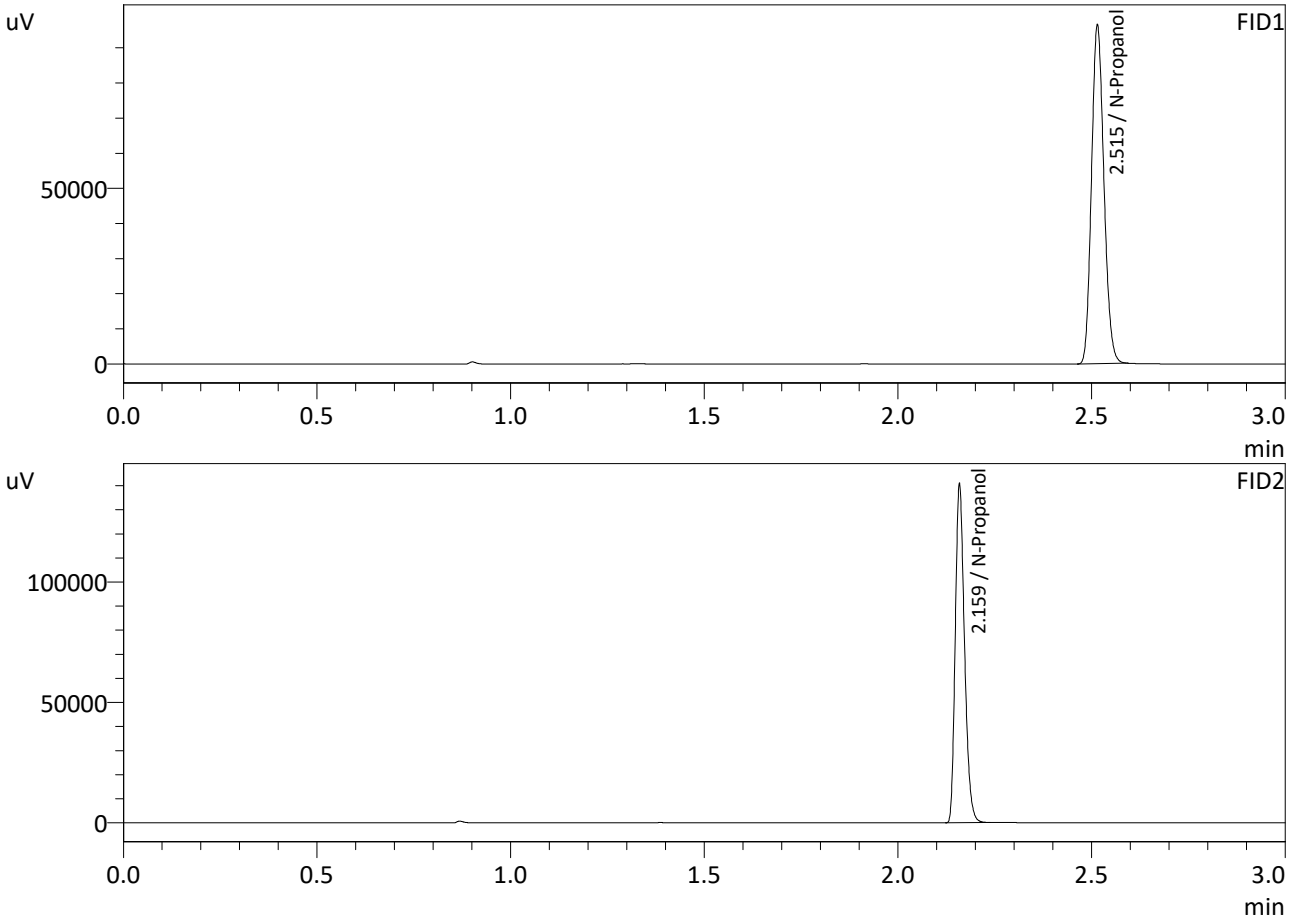
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189257	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205213	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name	: INT STD BLK 2
Laboratory	: Meridian
Injection Date	: 4/27/2023 12:22:13 AM
Vial #	: 73
Method Filename	: Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

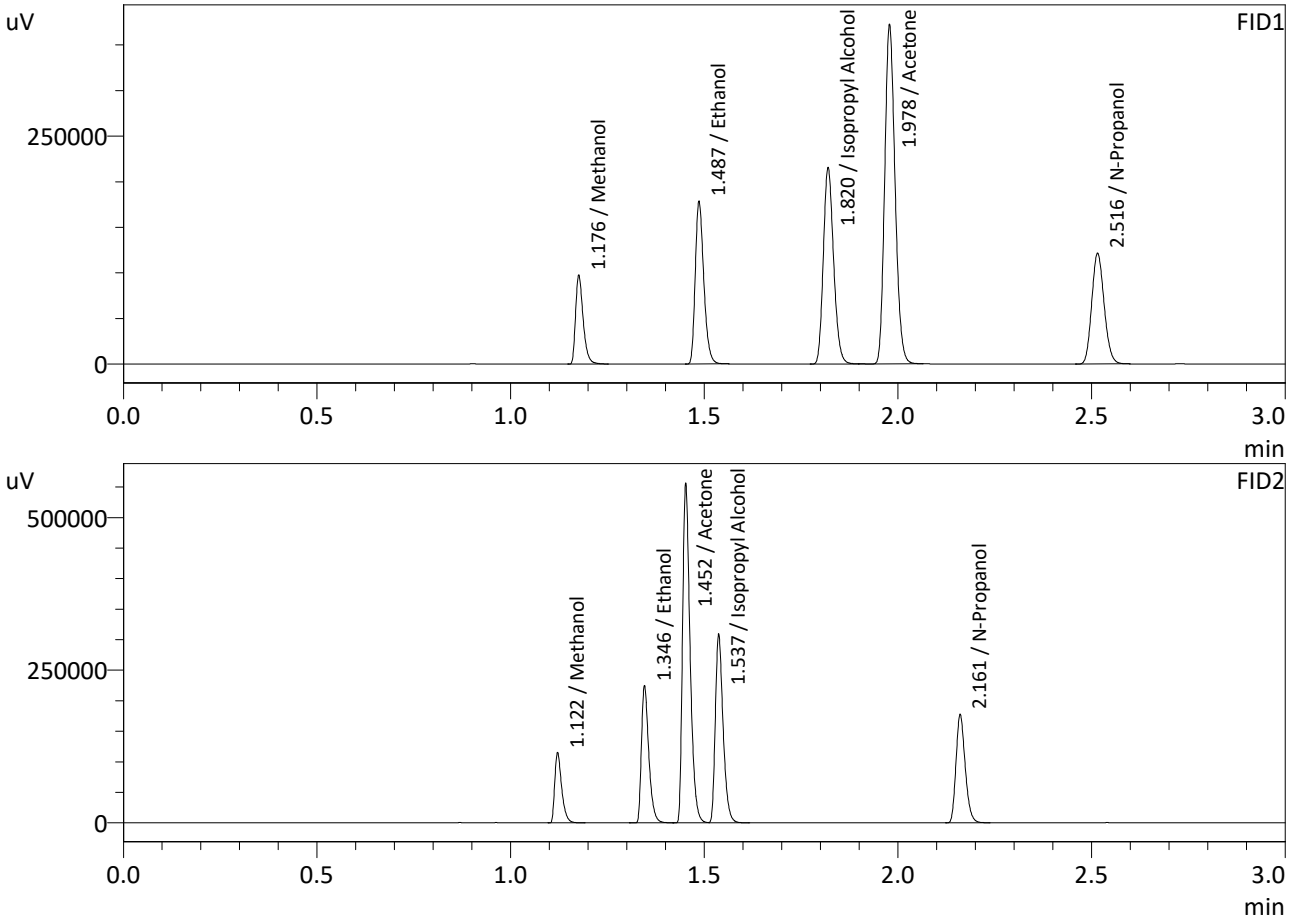
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	214767	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	233532	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name	: MIXED VOLATILES FN 06041902
Laboratory	: Meridian
Injection Date	: 4/26/2023 4:55:13 PM
Vial #	: 18
Method Filename	: Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	132292	g/100cc
Ethanol	0.4418	272673	g/100cc
Isopropyl Alcohol	0.0000	396456	g/100cc
Acetone	0.0000	689908	g/100cc
N-Propanol	0.0000	269994	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	143398	g/100cc
Ethanol	0.4421	295320	g/100cc
Acetone	0.0000	748951	g/100cc
Isopropyl Alcohol	0.0000	429796	g/100cc
N-Propanol	0.0000	292507	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 4/26/2023 5:18:55 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	0.0808	0.0005	0.0805	0.0012	0.0811
(g/100cc)	0.0817	0.0817	0.0000	0.0817		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230426NB.GCM.gcm

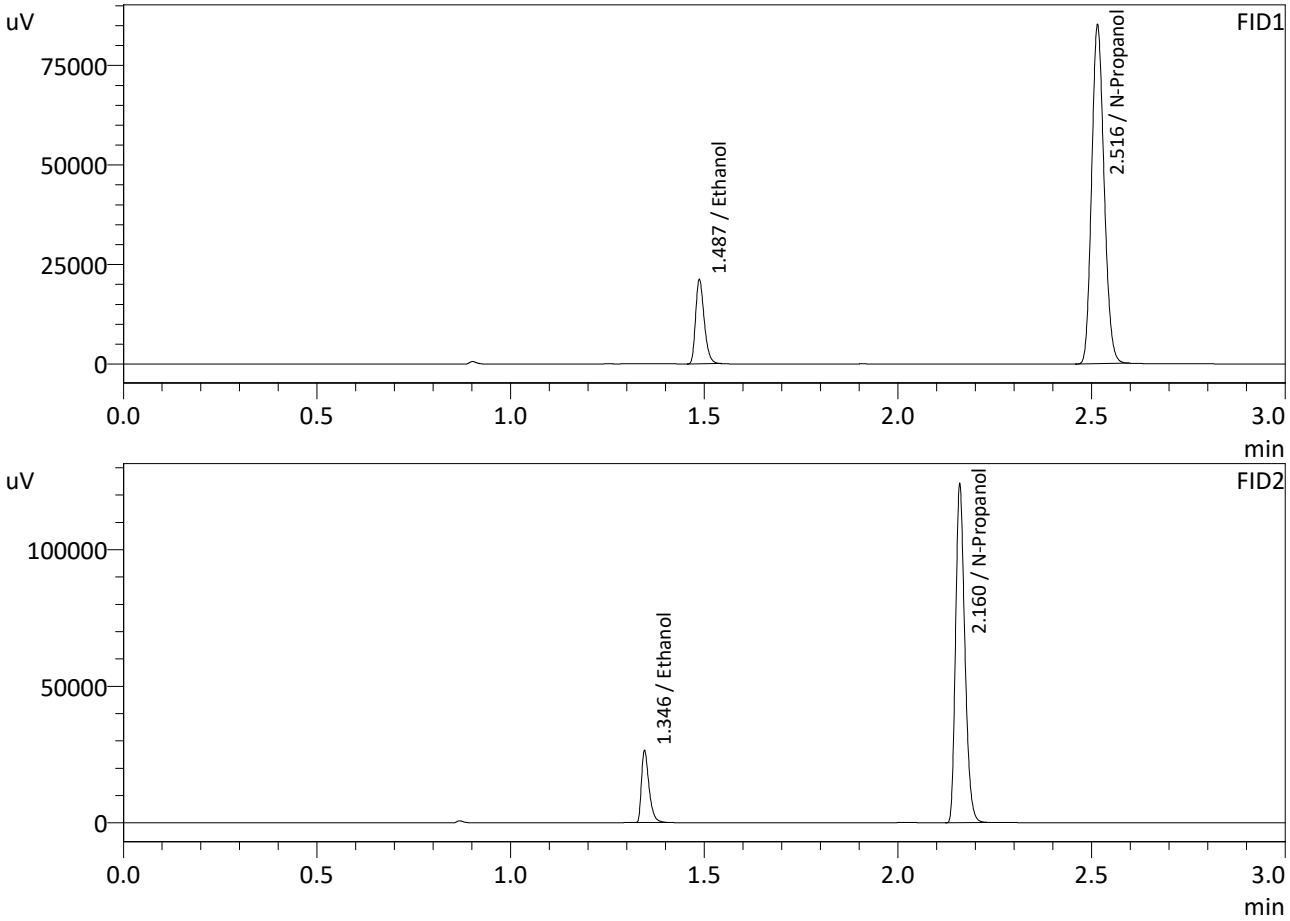
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

NB

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 4/26/2023 5:18:55 PM
Vial # : 21
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

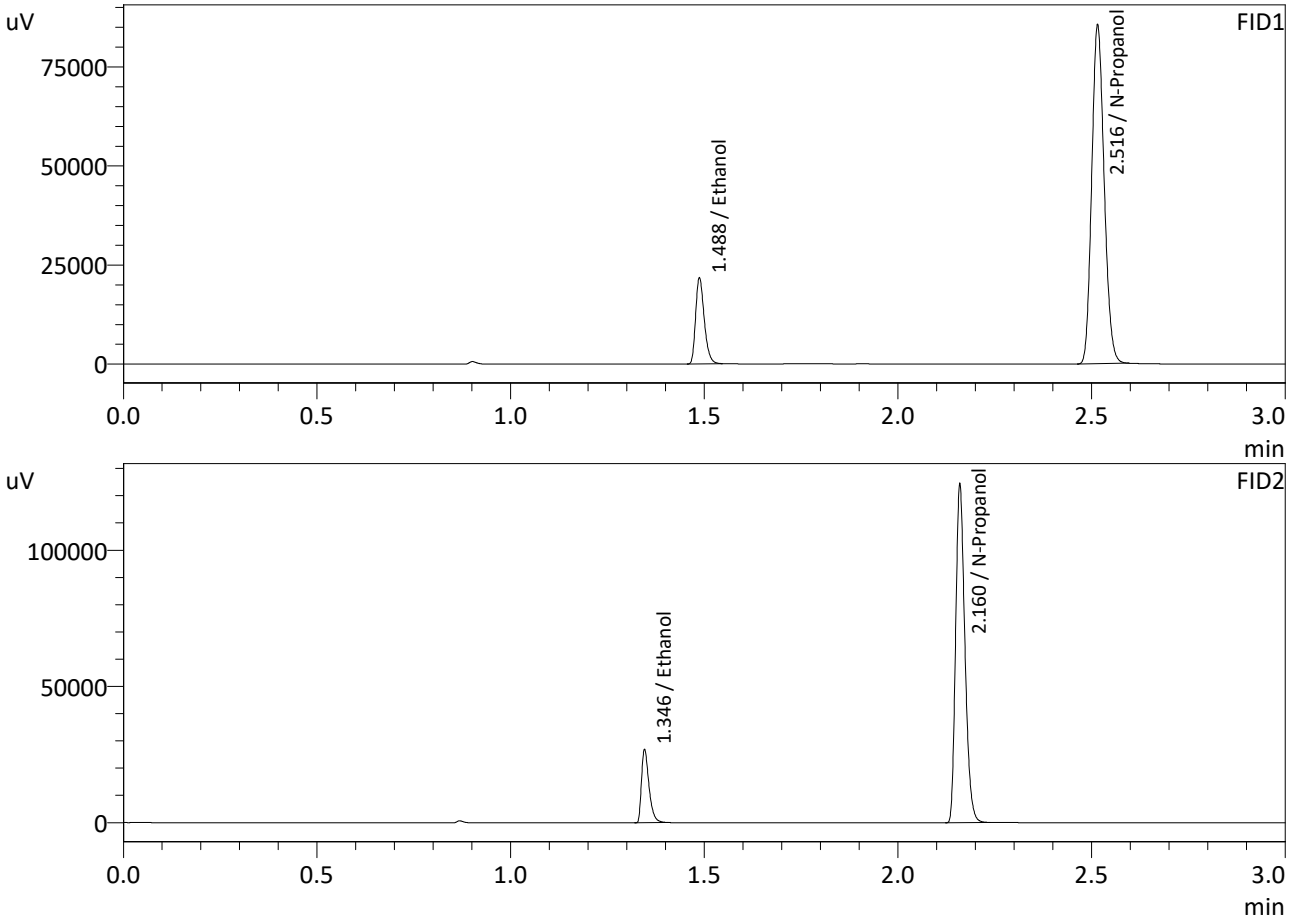
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	32716	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189440	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0808	35524	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205618	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 4/26/2023 5:27:32 PM
Vial # : 22
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	33552	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190523	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	36161	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206684	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 4/26/2023 5:02:33 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0791	0.0792	0.0001	0.0791	0.0004	0.0789
(g/100cc)	0.0787	0.0787	0.0000	0.0787		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230426NB.GCM.gcm

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

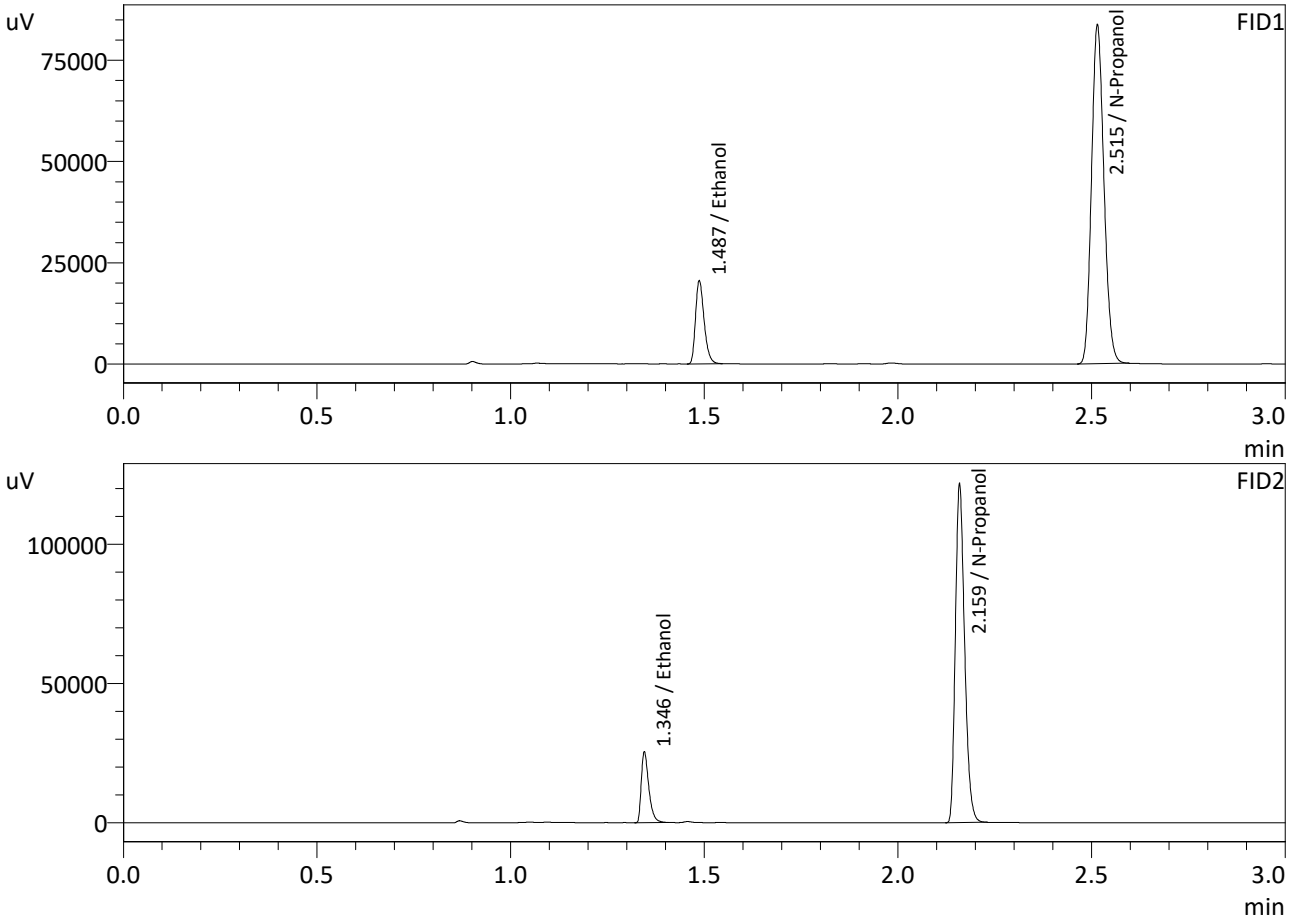
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.078	0.074	0.082	0.004

Reported Results
0.078

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 4/26/2023 5:02:33 PM
Vial # : 19
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

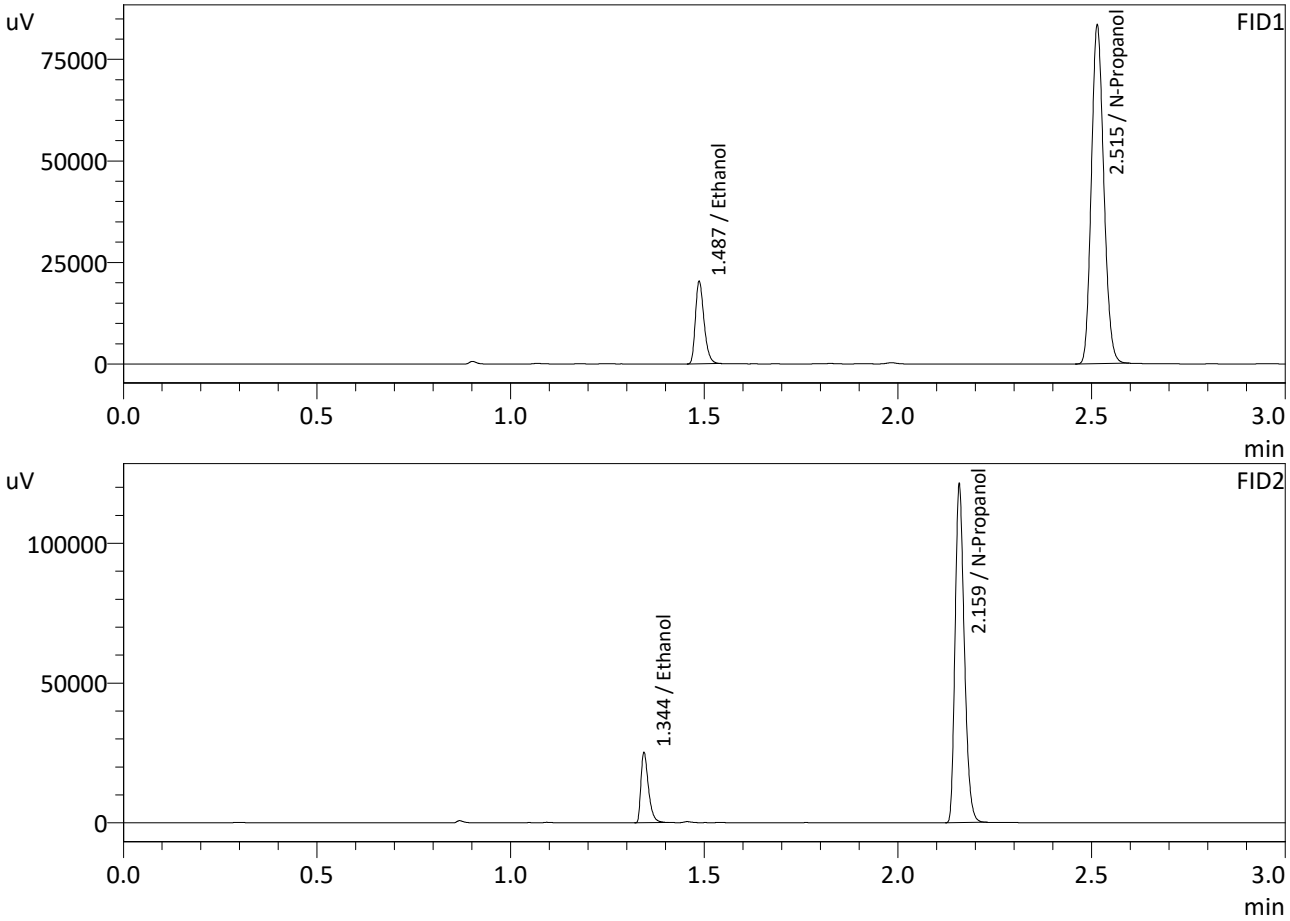
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0791	31668	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186327	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	34149	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201936	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 4/26/2023 5:11:36 PM
Vial # : 20
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0787	31385	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185493	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0787	33782	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201007	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 4/26/2023 10:59:10 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0822	0.0821	0.0001	0.0821	0.0009	0.0816
(g/100cc)	0.0813	0.0811	0.0002	0.0812		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230426NB.GCM.gcm

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

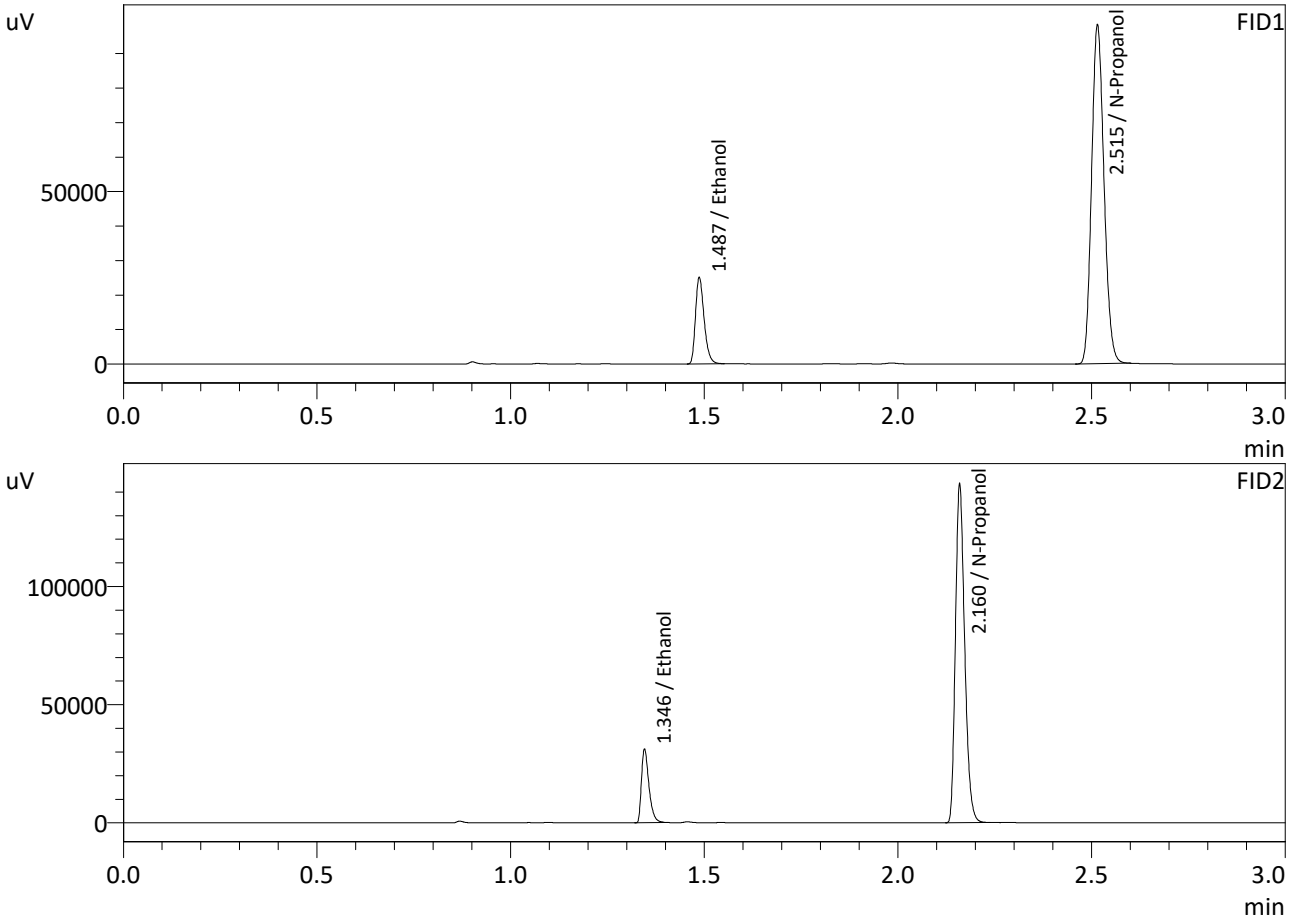
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

NB

Sample Name	: QC-1-2
Laboratory	: Meridian
Injection Date	: 4/26/2023 10:59:10 PM
Vial #	: 63
Method Filename	: Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

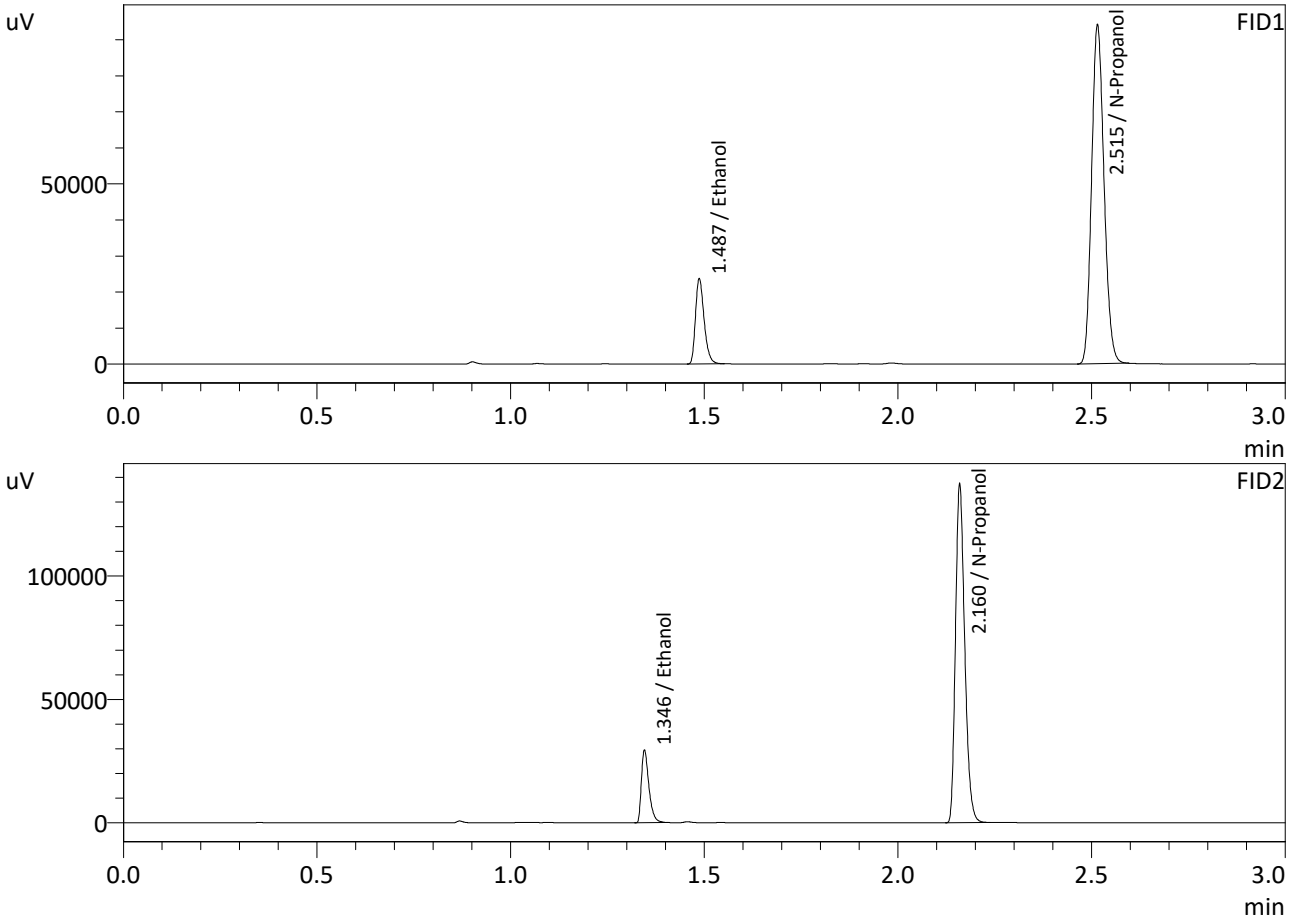
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	38766	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218863	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	41806	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	237744	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 4/26/2023 11:07:28 PM
Vial # : 64
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	36677	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209414	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0811	39513	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227550	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 4/26/2023 8:01:43 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2042	0.2042	0.0000	0.2042	0.0037	0.2060
(g/100cc)	0.2080	0.2078	0.0002	0.2079		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230426NB.GCM.gcm

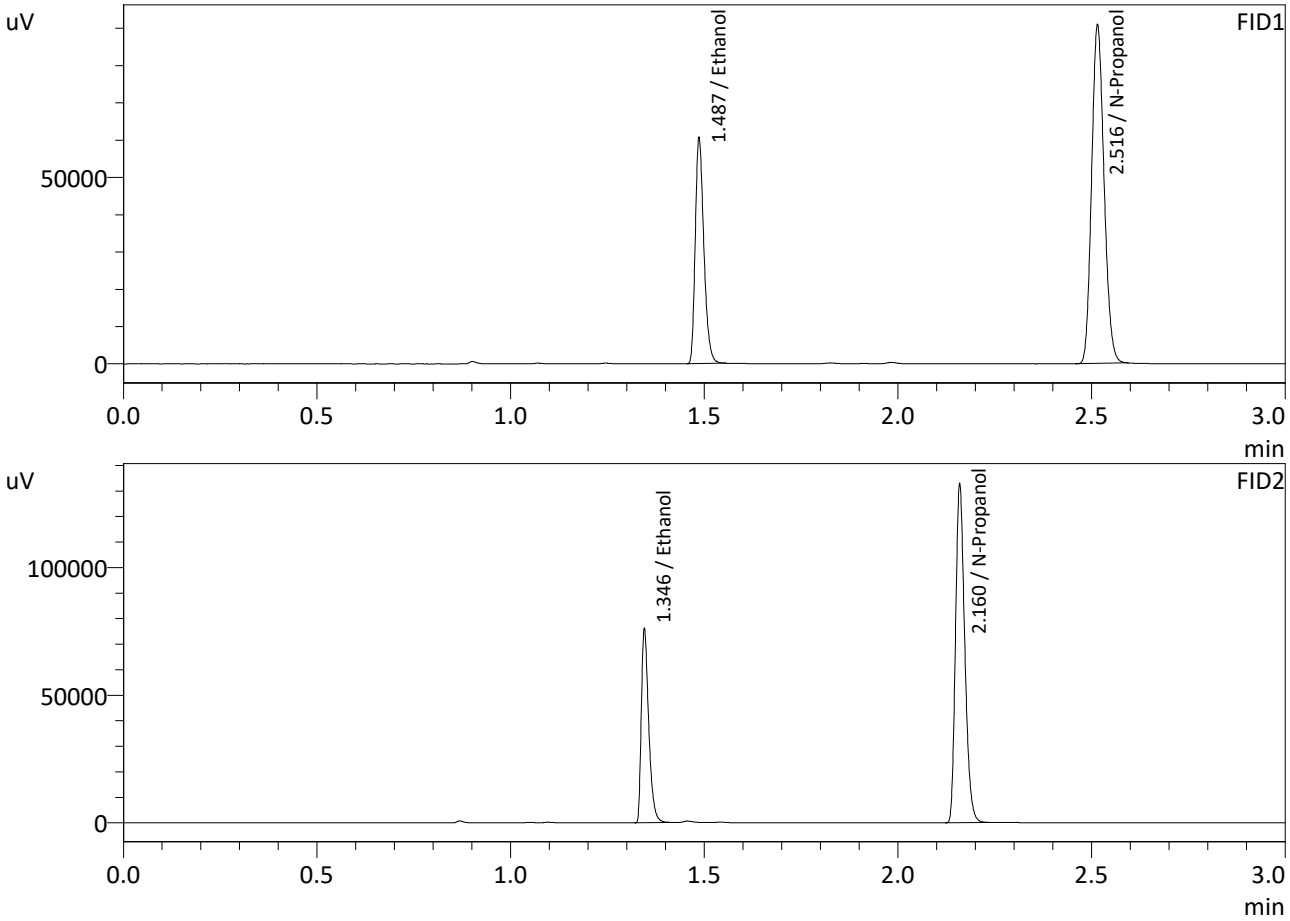
Reporting of Results		Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.206	0.195	0.217	0.011

Reported Results
0.206

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 4/26/2023 8:01:43 PM
Vial # : 41
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

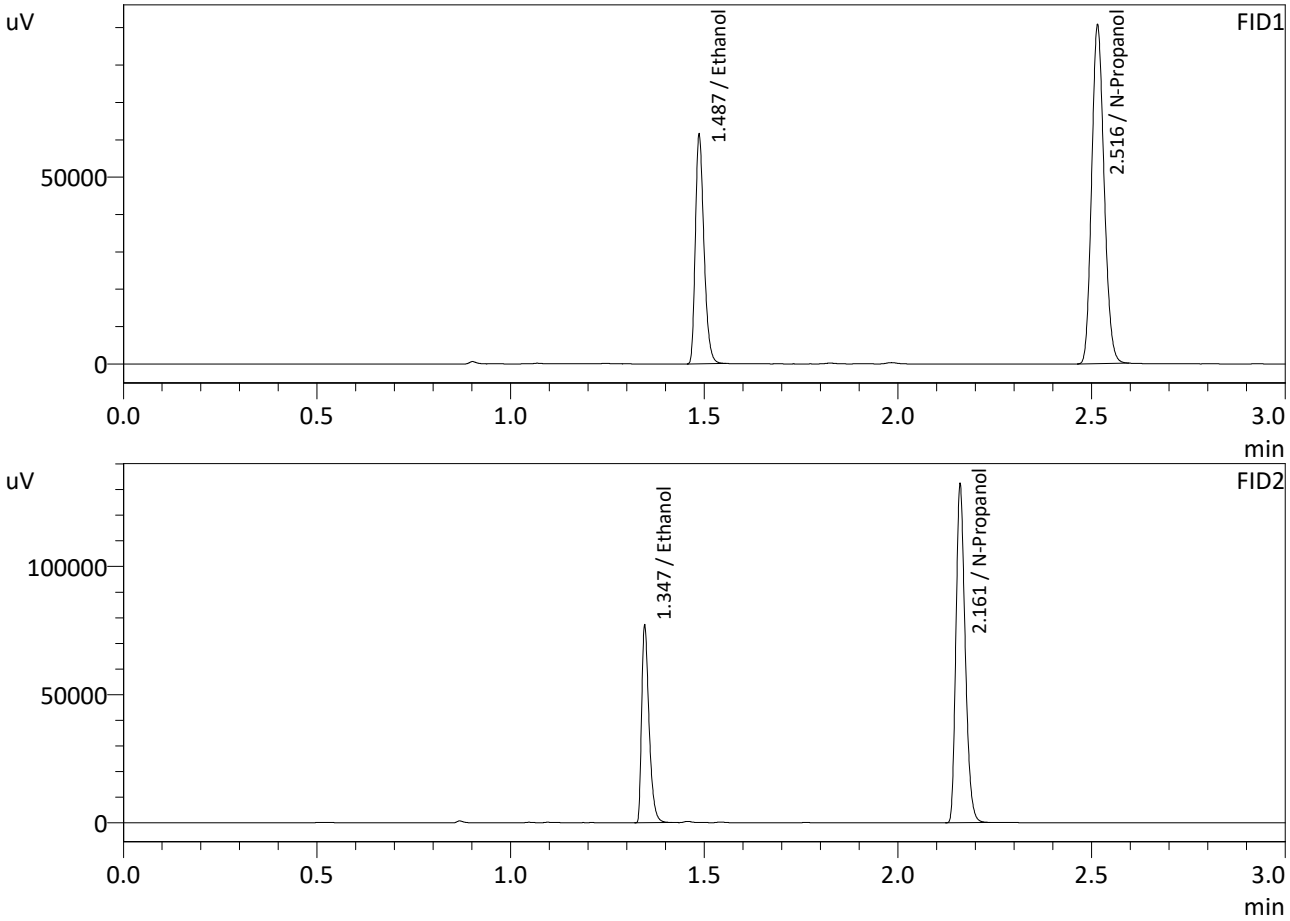
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2042	93141	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202591	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2042	100922	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220076	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 4/26/2023 8:09:52 PM
Vial # : 42
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2080	94478	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201625	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	102300	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219034	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 4/27/2023 12:04:28 AM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2077	0.2075	0.0002	0.2076	0.0006	0.2073
(g/100cc)	0.2072	0.2069	0.0003	0.2070		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230426NB.GCM.gcm

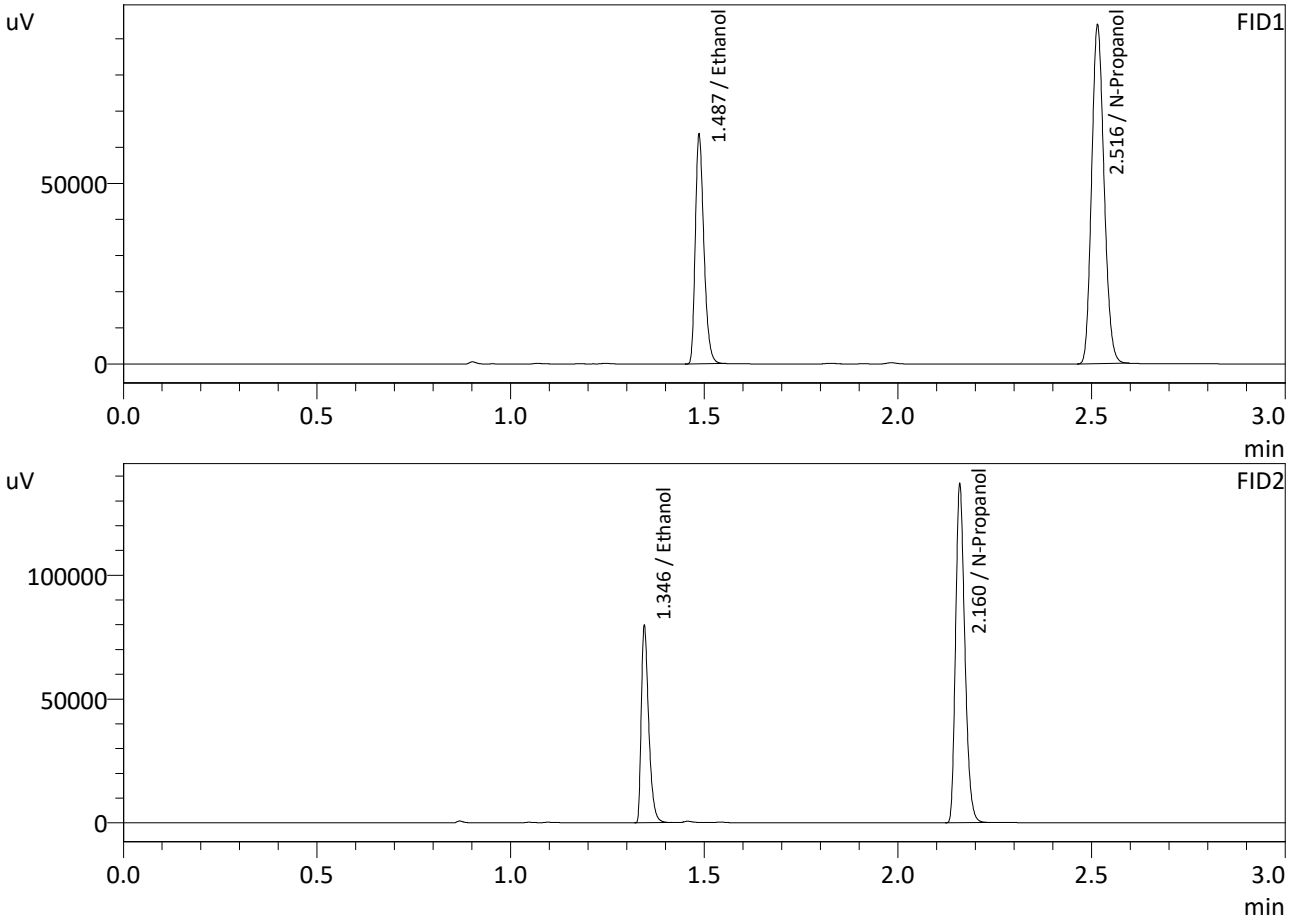
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.207	0.196	0.218	0.011

Reported Results
0.207

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 4/27/2023 12:04:28 AM
Vial # : 71
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

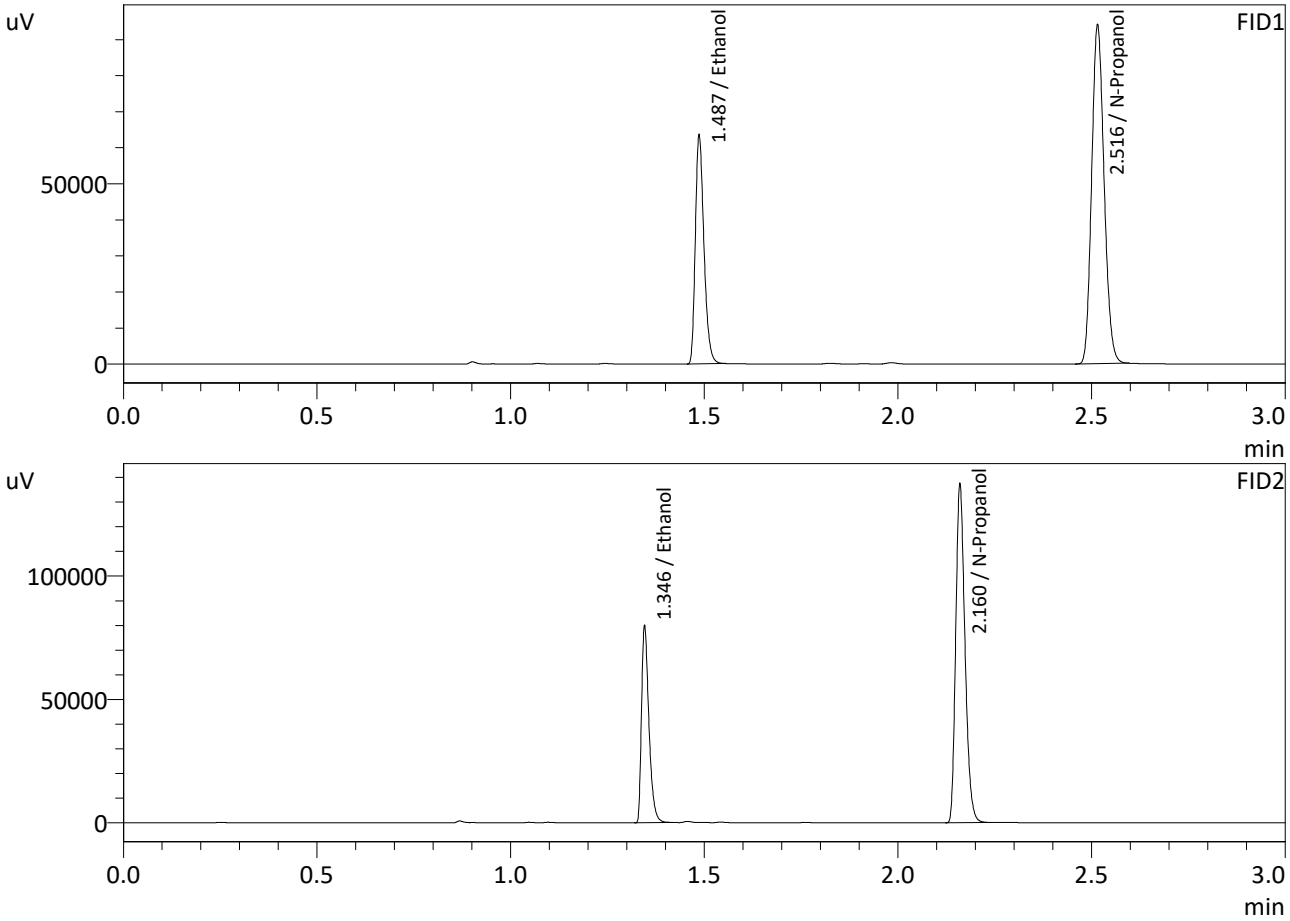
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2077	97588	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208628	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2075	105747	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	226734	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 4/27/2023 12:12:53 AM
Vial # : 72
Method Filename : Default Project - ALCOHOL_230426NB.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2072	97776	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209483	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2069	105892	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227765	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

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
17	INT STD BLK 1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
18	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 230426NB.GCM.gcm
19	QC-1-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
20	QC-1-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
21	0.08 QA	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
22	0.08 QA-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
23	C2023-0924-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
24	C2023-0924-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
25	M2023-1611-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
26	M2023-1611-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
27	M2023-1612-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
28	M2023-1612-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
29	M2023-1613-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
30	M2023-1613-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
31	M2023-1614-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
32	M2023-1614-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
33	M2023-1615-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
34	M2023-1615-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
35	M2023-1616-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
36	M2023-1616-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
37	M2023-1617-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
38	M2023-1617-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
39	M2023-1618-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
40	M2023-1618-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
41	QC-2-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
42	QC-2-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
43	M2023-1625-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
44	M2023-1625-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
45	M2023-1634-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
46	M2023-1634-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
47	M2023-1653-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
48	M2023-1653-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
49	M2023-1699-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
50	M2023-1699-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
51	M2023-1703-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
52	M2023-1703-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
53	M2023-1704-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
54	M2023-1704-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
55	M2023-1723-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
56	M2023-1723-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
57	M2023-1759-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
58	M2023-1759-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
59	M2023-1760-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
60	M2023-1760-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
61	M2023-1761-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
62	M2023-1761-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
63	QC-1-2	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
64	QC-1-2-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
65	M2023-1762-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
66	M2023-1762-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
67	M2023-1763-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
68	M2023-1763-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
69	P2023-0589-1	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
70	P2023-0589-1-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
71	QC-2-2	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
72	QC-2-2-B	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm
73	INT STD BLK 2	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm