Worklist: 6899

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
M2024-3254	1	BCK	Alcohol Analysis	
M2024-3269	5	BCK	Alcohol Analysis	
M2024-3287	1	BCK	Alcohol Analysis	
M2024-3288	1	BCK	Alcohol Analysis	
M2024-3289	1	BCK	Alcohol Analysis	
M2024-3290	1	BCK	Alcohol Analysis	
M2024-3301	2	BCK	Alcohol Analysis	
M2024-3304	1	BCK	Alcohol Analysis	
M2024-3305	1	BCK	Alcohol Analysis	
M2024-3306	1	BCK	Alcohol Analysis	
M2024-3308	1	BLOOD	Alcohol Analysis	
M2024-3324	1	BCK	Alcohol Analysis	M2024-3324-1: Possible interferent Column precision not met NB 8/16/24
M2024-3325	1	BCK	Alcohol Analysis	
M2024-3326	1	BCK	Alcohol Analysis	
M2024-3342	1	BCK	Alcohol Analysis	
M2024-3343	1	BCK	Alcohol Analysis	
M2024-3344	1	BCK	Alcohol Analysis	
M2024-3365	1	BCK	Alcohol Analysis	
M2024-3366	1	BCK	Alcohol Analysis	

NB

REVIEWED
By Tamara Salazar at 4:15 pm, Aug 16, 2024

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): 8/15/24**

Calibration Date: 8/15/24

Worklist #: 6899

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0791 g/100cc
					0.0838 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2063 g/100cc
					0.2082 g/100cc
					g/100cc

Multi-Component mixture:	**Exp:**	**Oct. 2024**	**Lot #**	FN06041902		
Curve Fit:		**Column 1**	0.99988	**Column2**	0.99987	

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0513	0.0512	1E-04	0.0512
100	0.100	0.090 - 0.110	0.1000	0.1003	0.0003	0.1001
200	0.200	0.180 - 0.220	0.2000	0.1997	0.0003	0.1998
300	0.300	0.270 - 0.330	0.2967	0.2967	0	0.2967
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5017	0.5018	1E-04	0.5017

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.083 g/100cc

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

Internal Standard Monitoring Worksheet

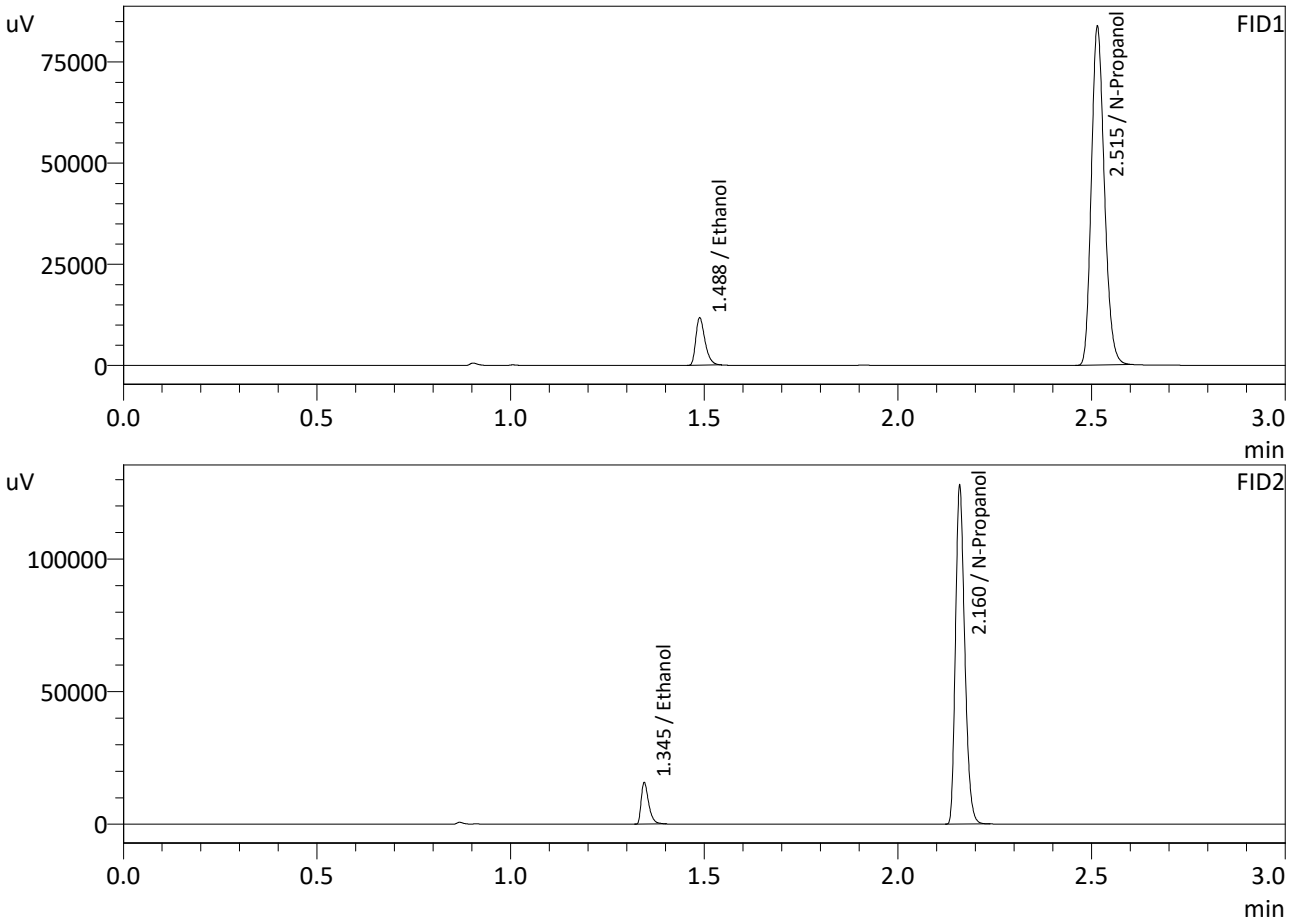
Worklist #: **6899** **Run Date(s):** **8/15/24**

Internal Standard Solution:	Prep Date: 8/5/2024	Exp Date: 2/5/2024

Sample Name	Column 1 Value	Column 2 Value
0.080	196875	214127
0.080	227235	247582
QC1	197485	214460
QC1	195930	212768
QC1	237789	259193
QC1	236408	257679
QC1		
QC1		
QC2	221170	241068
QC2	222705	242865
QC2	231716	252324
QC2	235363	256571
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	220267.6	176214.1	264321.1
Column 2	239863.7	191891.0	287836.4

Sample Name	: 0.050
Laboratory	: Meridian
Injection Date	: 8/15/2024 12:13:25 PM
Vial #	: 1
Method Filename	: Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



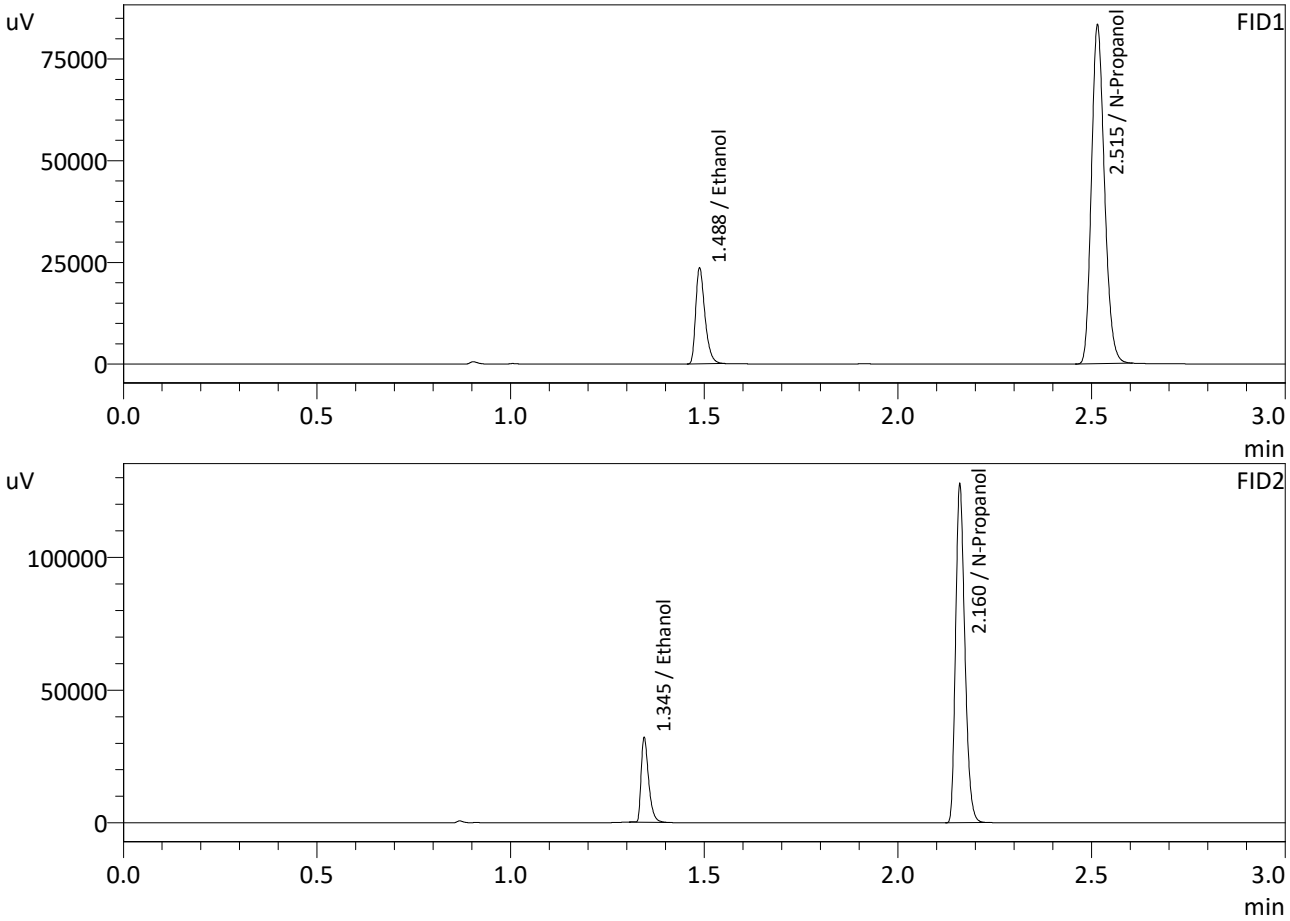
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0513	19390	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195103	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0512	21061	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211765	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 8/15/2024 12:20:46 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

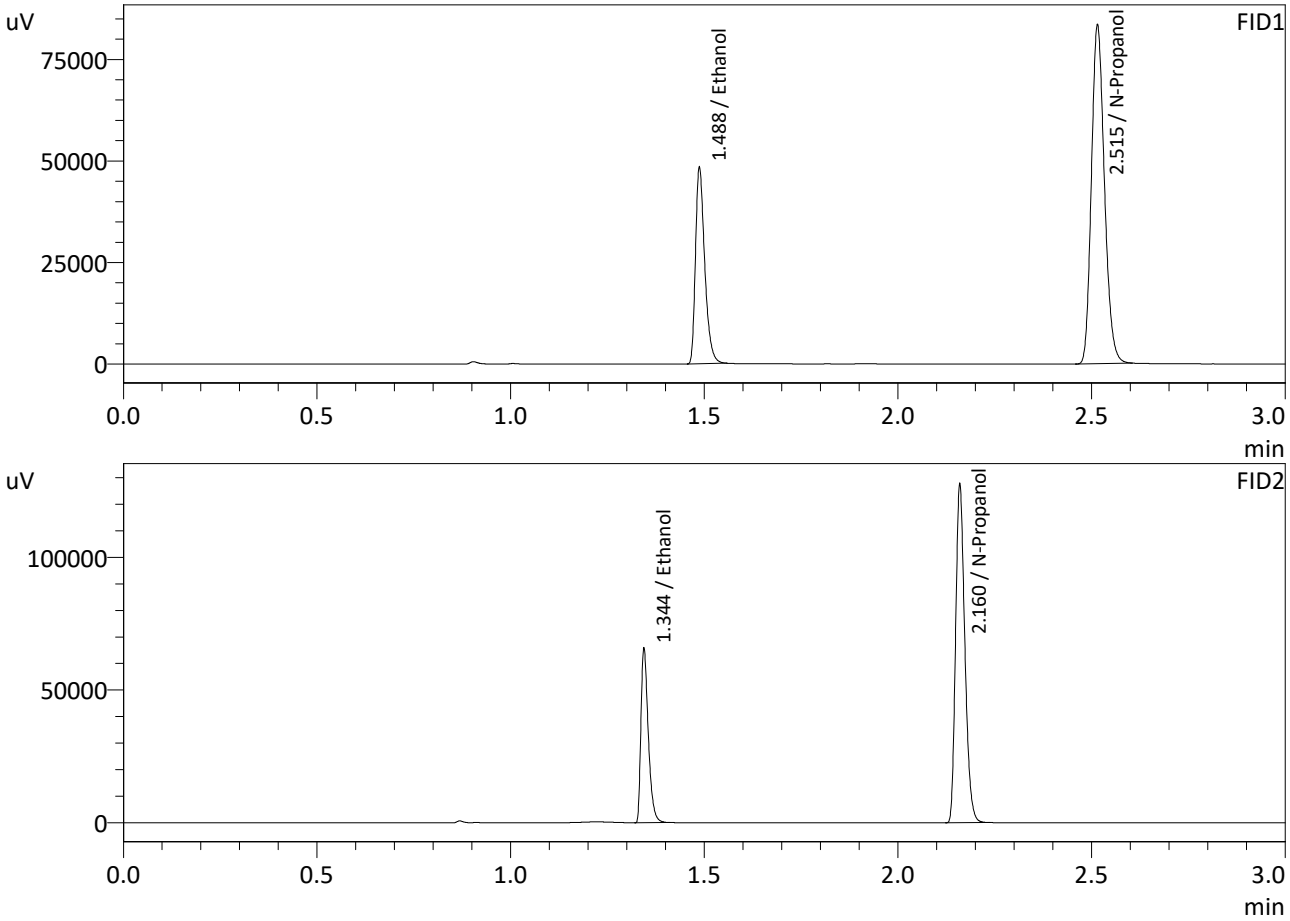
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1000	39163	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194488	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1003	42765	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211285	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name	: 0.200
Laboratory	: Meridian
Injection Date	: 8/15/2024 12:28:12 PM
Vial #	: 3
Method Filename	: Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

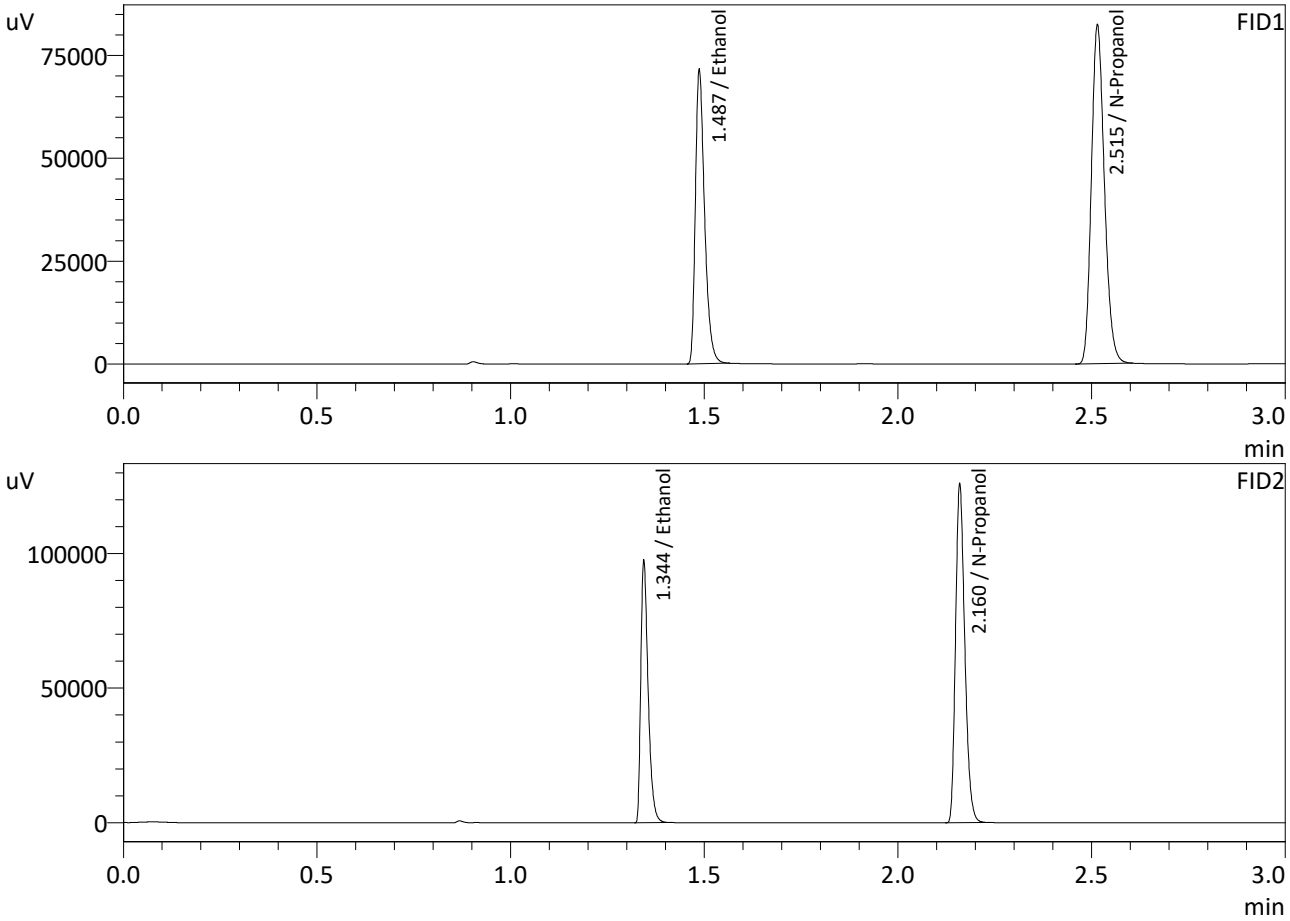
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2000	80001	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194698	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1997	86918	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211399	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 8/15/2024 12:36:47 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

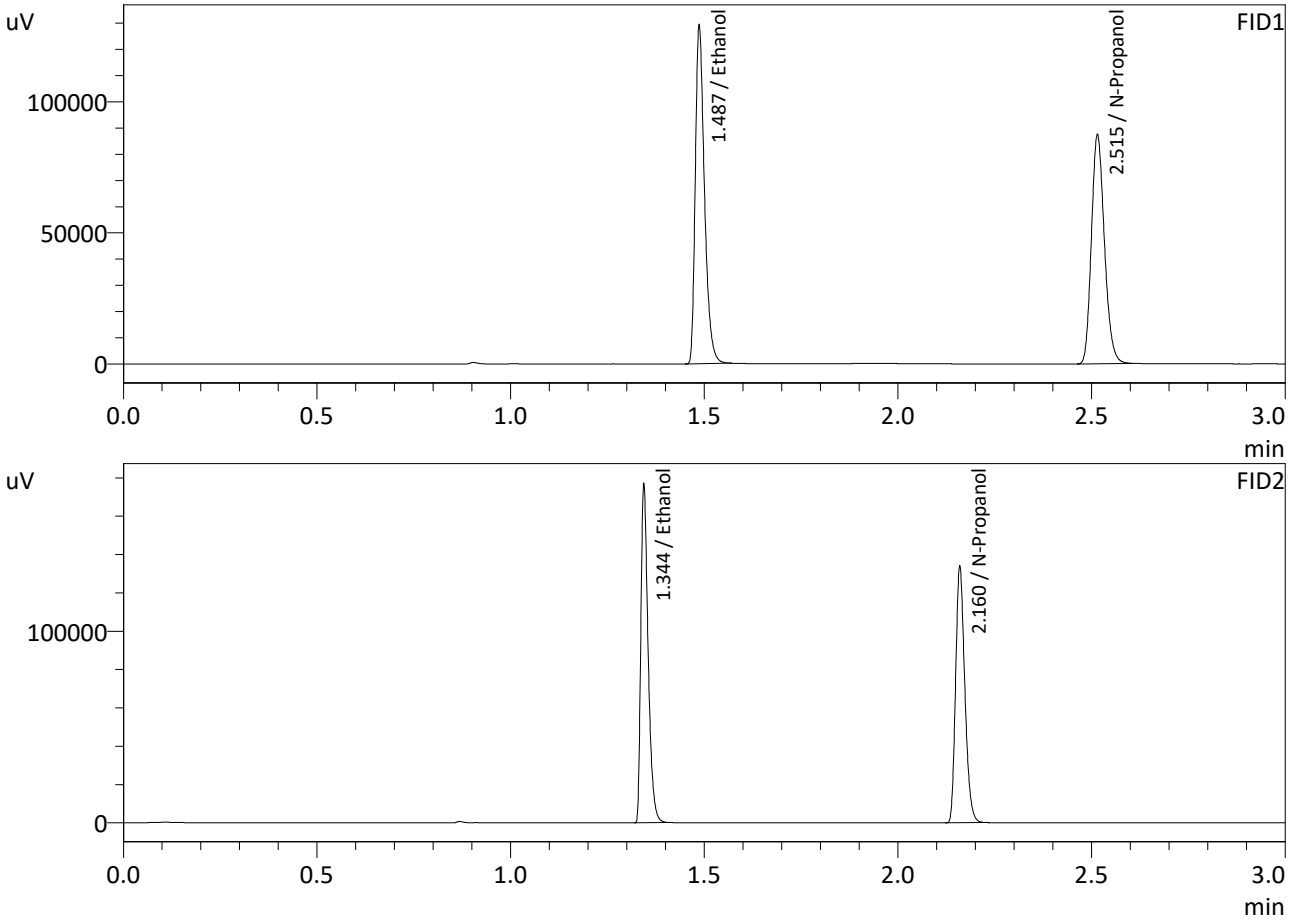
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2967	117920	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192157	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2967	128293	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208756	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 8/15/2024 12:45:20 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

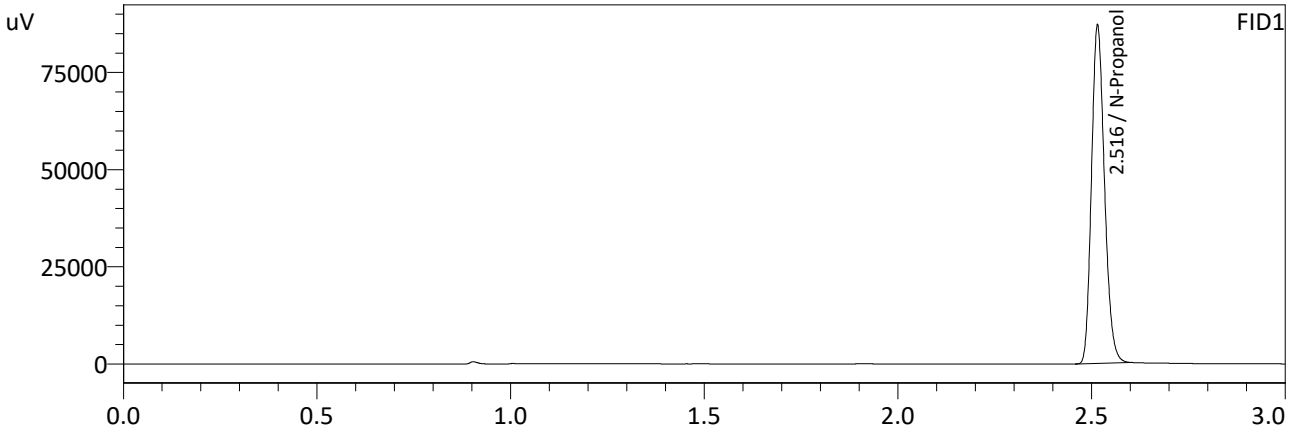
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5017	212410	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203591	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

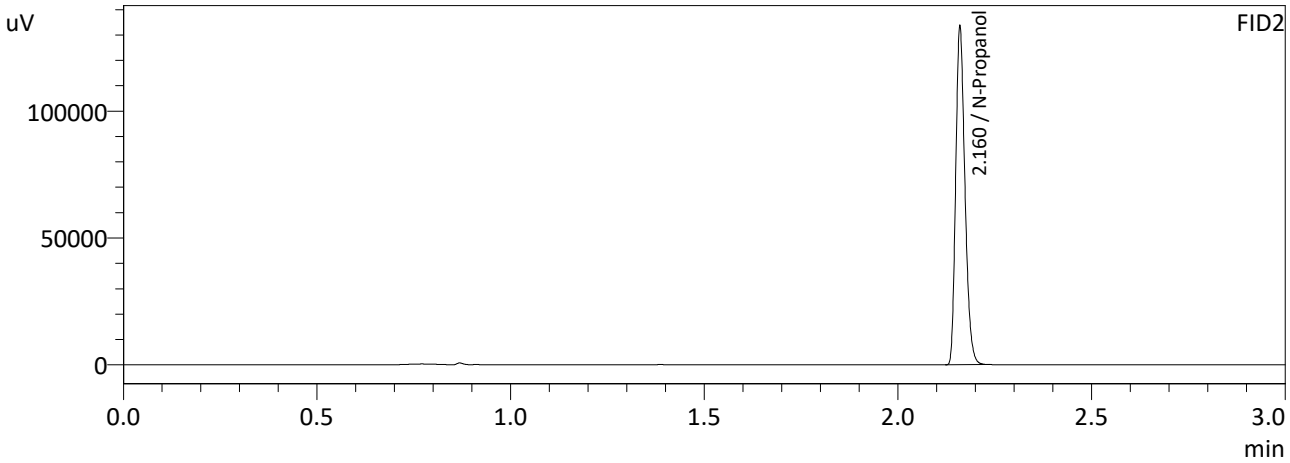
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5018	231239	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221243	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 8/15/2024 12:53:13 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240815NB.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	203299	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

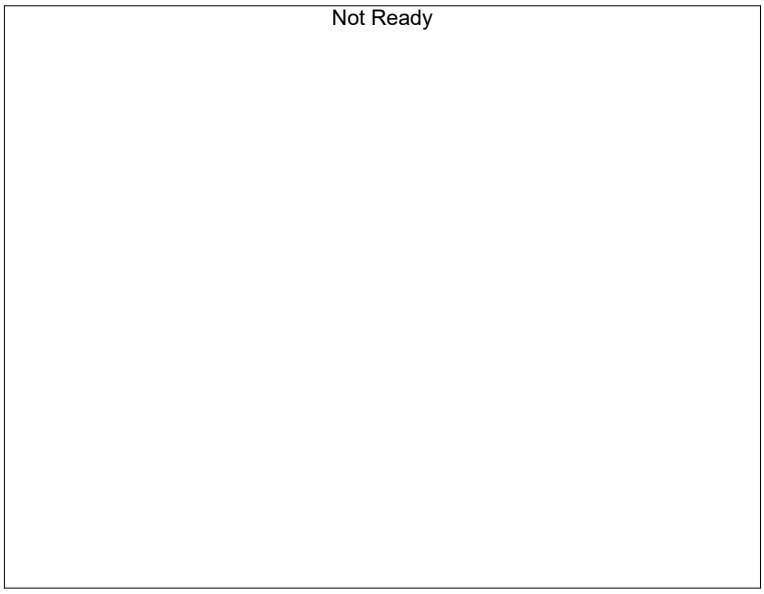
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221214	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Calibration Table

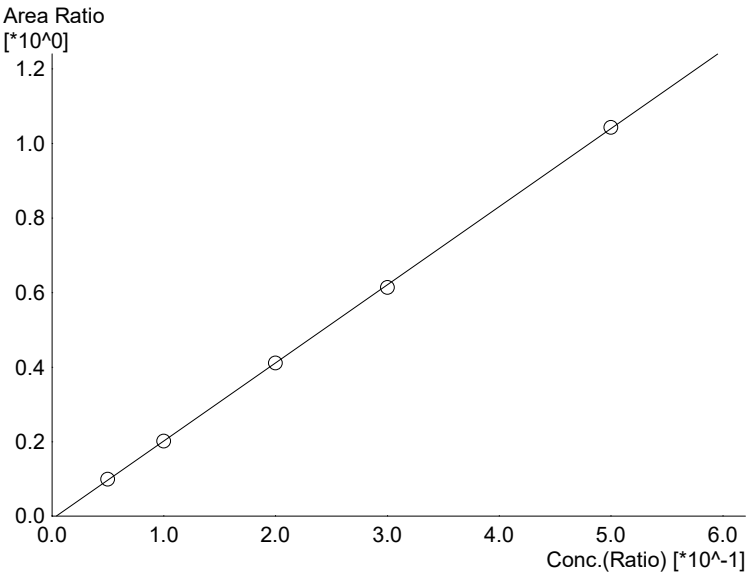
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
Method File :Default Project - ALCOHOL_240815NB.gcm
Date Created :8/15/2024 9:05:33 AM
Date Modified :8/16/2024 9:34:52 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)=2.09577*x-0.00830164
R^2 value= 0.9998789
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19390	0.0513
2	0.100	39163	0.1000
3	0.200	80001	0.2000
4	0.300	117920	0.2967
5	0.500	212410	0.5017

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

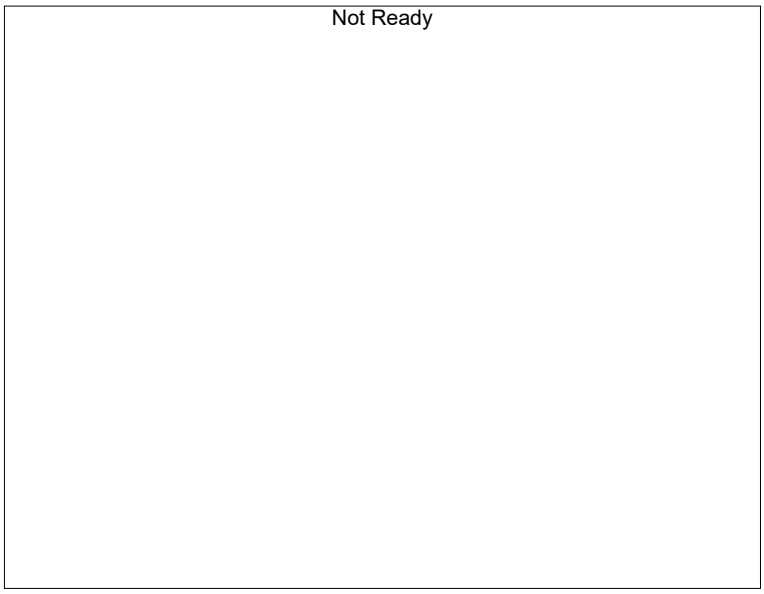
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

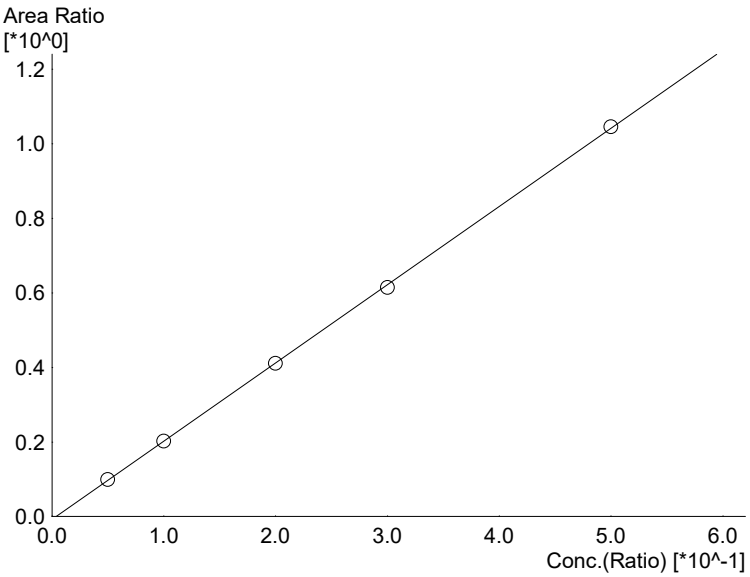
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



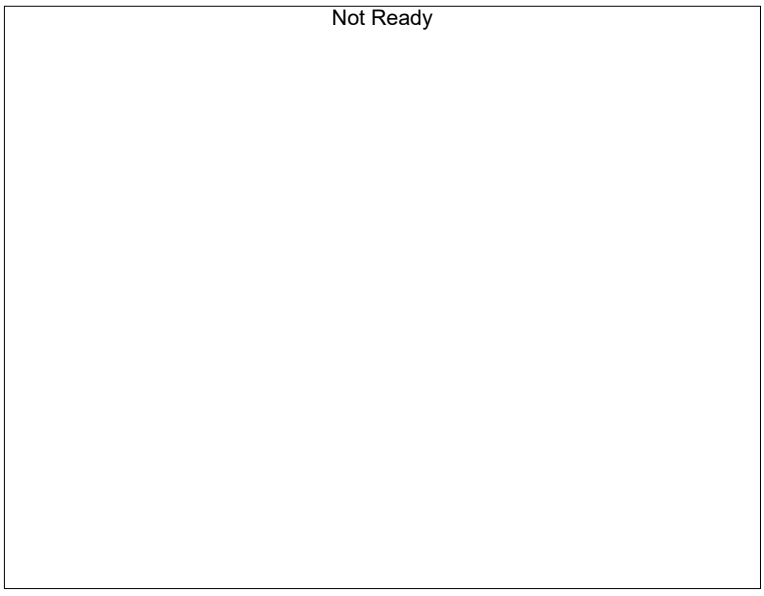
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



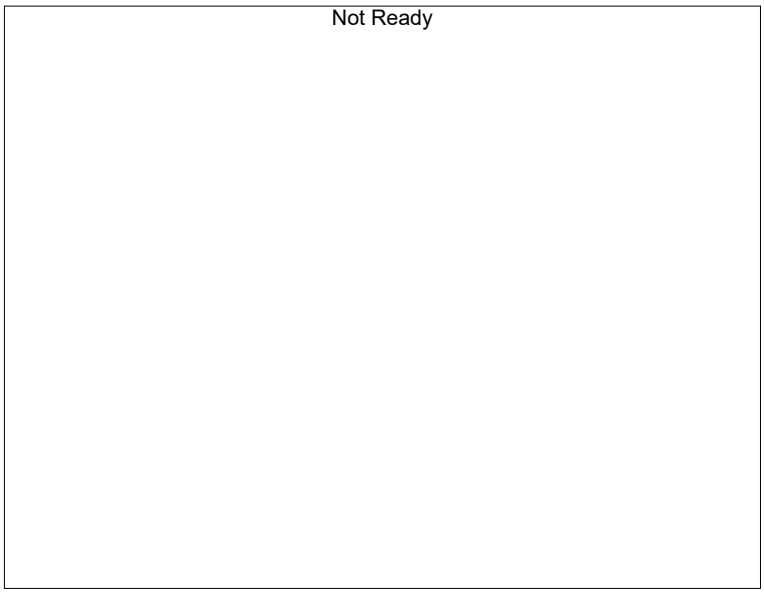
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.09898*x-0.00821355
R^2 value= 0.9998738
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	21061	0.0512
2	0.100	42765	0.1003
3	0.200	86918	0.1997
4	0.300	128293	0.2967
5	0.500	231239	0.5018



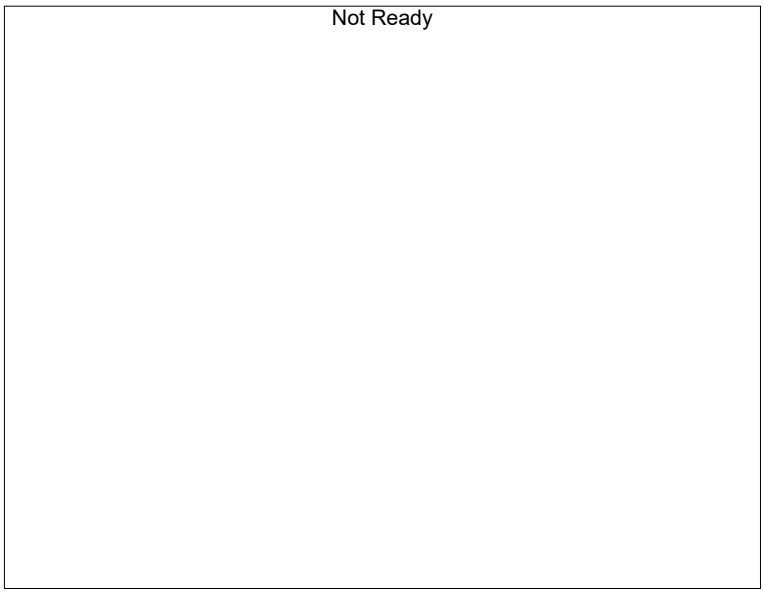
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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.

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 240815NB.gcm
2	0.100	1:Standard	2	ALCOHOL 240815NB.gcm
3	0.200	1:Standard	3	ALCOHOL 240815NB.gcm
4	0.300	1:Standard	4	ALCOHOL 240815NB.gcm
5	0.500	1:Standard	5	ALCOHOL 240815NB.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 240815NB.gcm

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 8/15/2024 3:16:31 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0827	0.0824	0.0003	0.0825	0.0022	0.0836
(g/100cc)	0.0850	0.0845	0.0005	0.0847		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240815NB.gcm

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

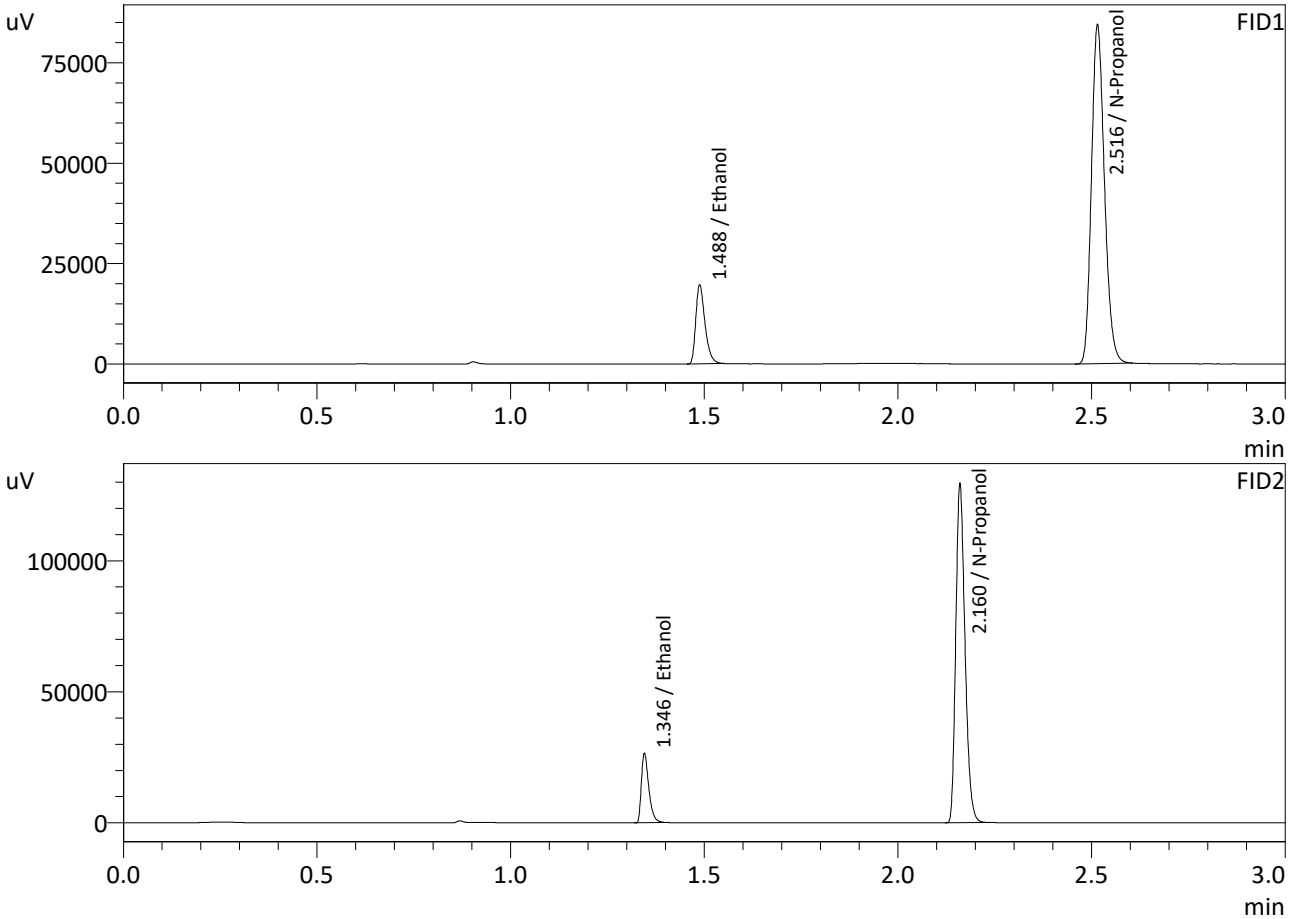
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

Reported Results
0.083

Calibration and control data are stored centrally.

NB

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 8/15/2024 3:16:31 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

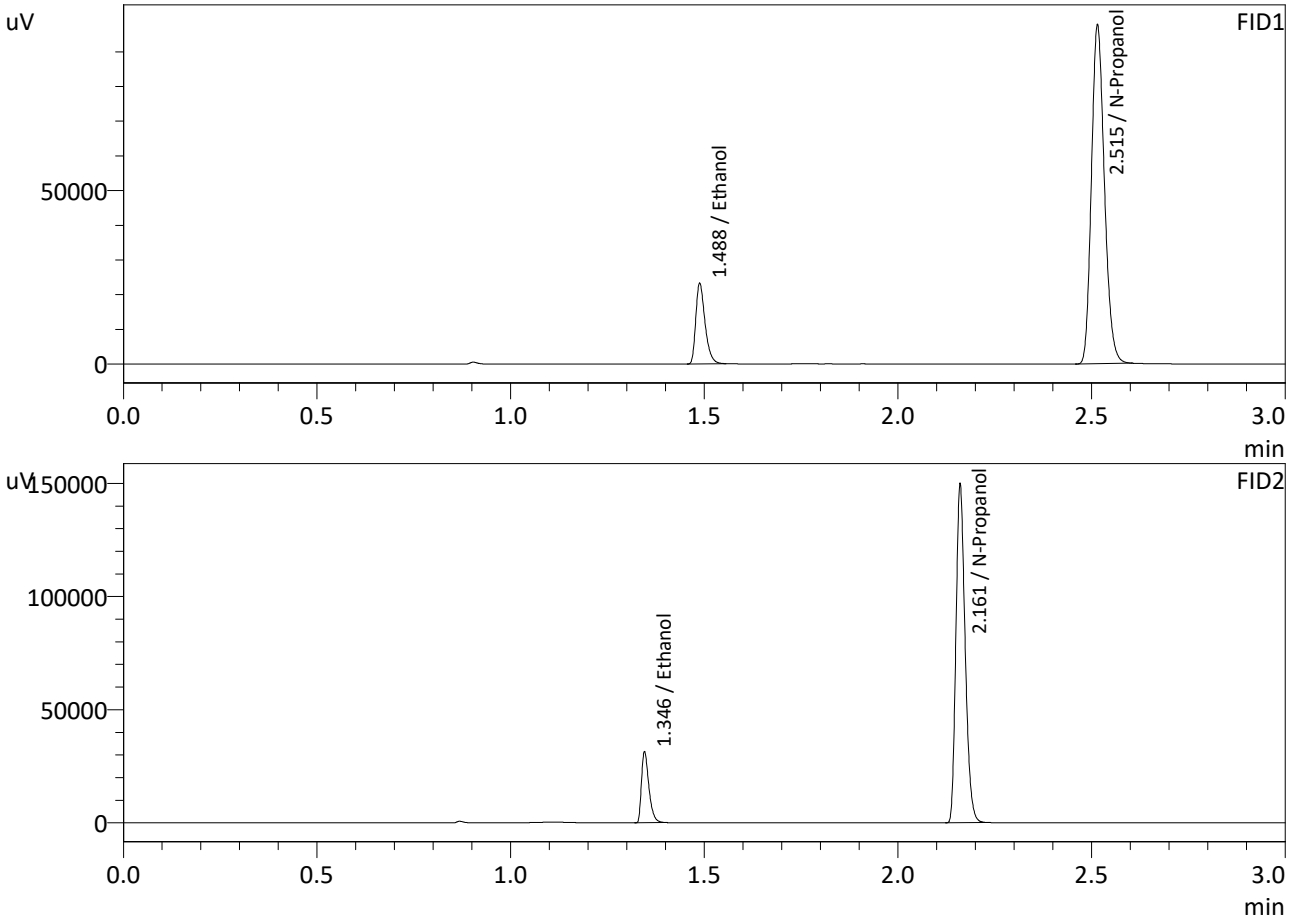
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0827	32519	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196875	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	35300	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214127	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name	: 0.08 QA-B
Laboratory	: Meridian
Injection Date	: 8/15/2024 3:24:04 PM
Vial #	: 6
Method Filename	: Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0850	38611	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	227235	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0845	41883	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	247582	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 8/15/2024 2:59:26 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0792	0.0789	0.0003	0.0790	0.0003	0.0791
(g/100cc)	0.0794	0.0792	0.0002	0.0793		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240815NB.gcm

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

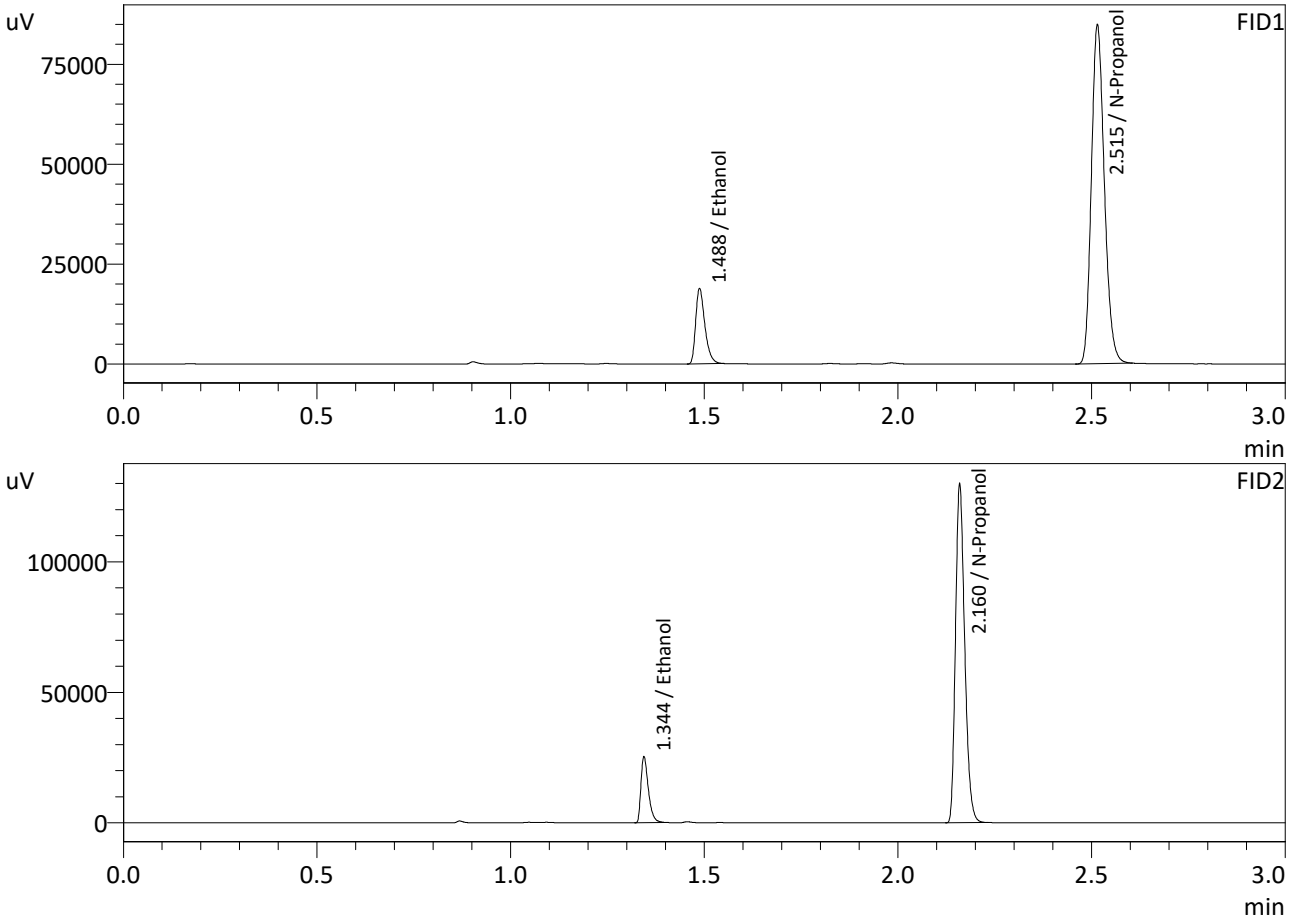
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

	Reported Results	
	0.079	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 8/15/2024 2:59:26 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



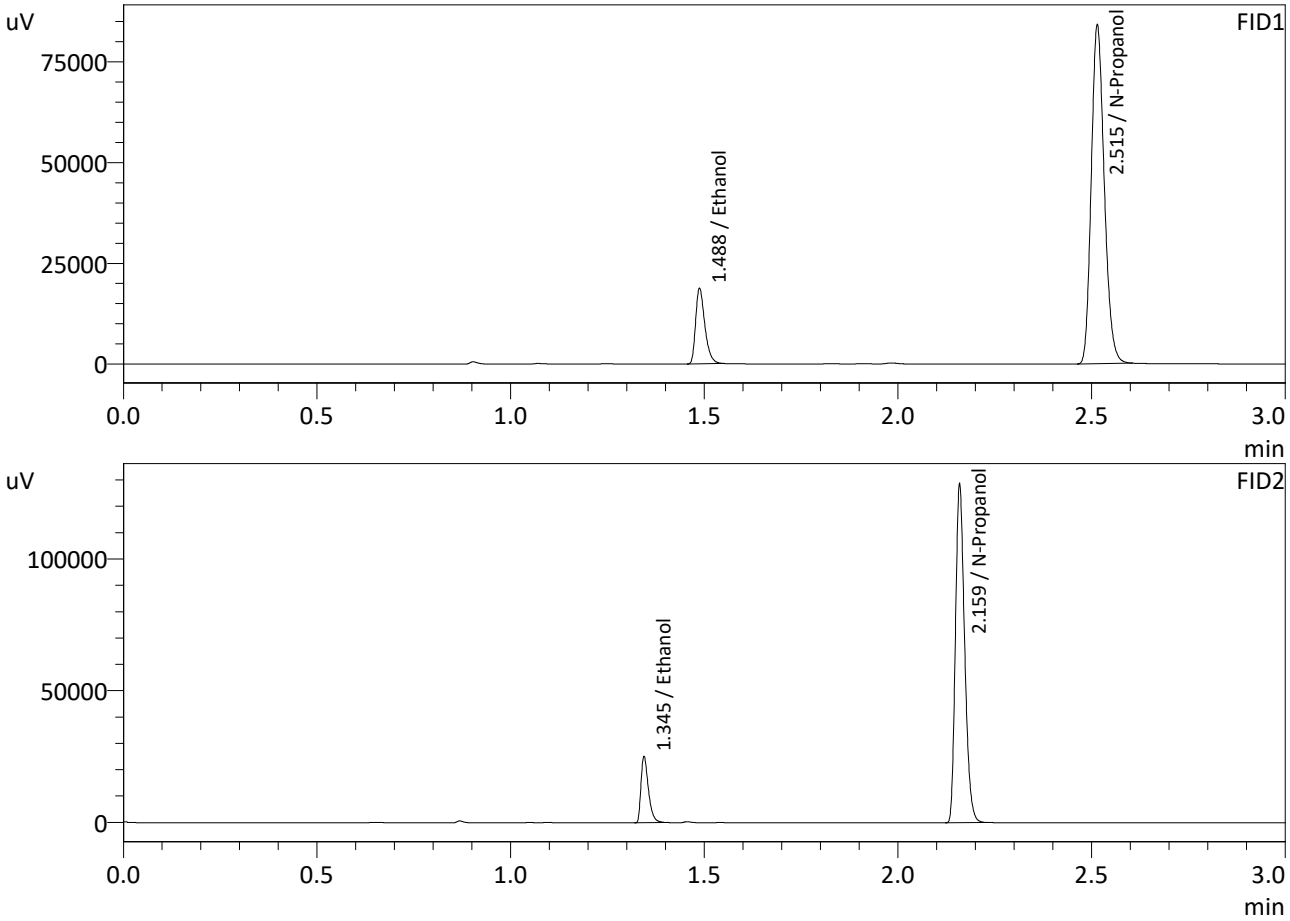
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	31155	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197485	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	33774	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214460	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 8/15/2024 3:08:07 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0794	30989	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195930	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	33640	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	212768	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 8/15/2024 8:55:28 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0840	0.0835	0.0005	0.0837	0.0003	0.0838
(g/100cc)	0.0842	0.0838	0.0004	0.0840		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240815NB.gcm

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

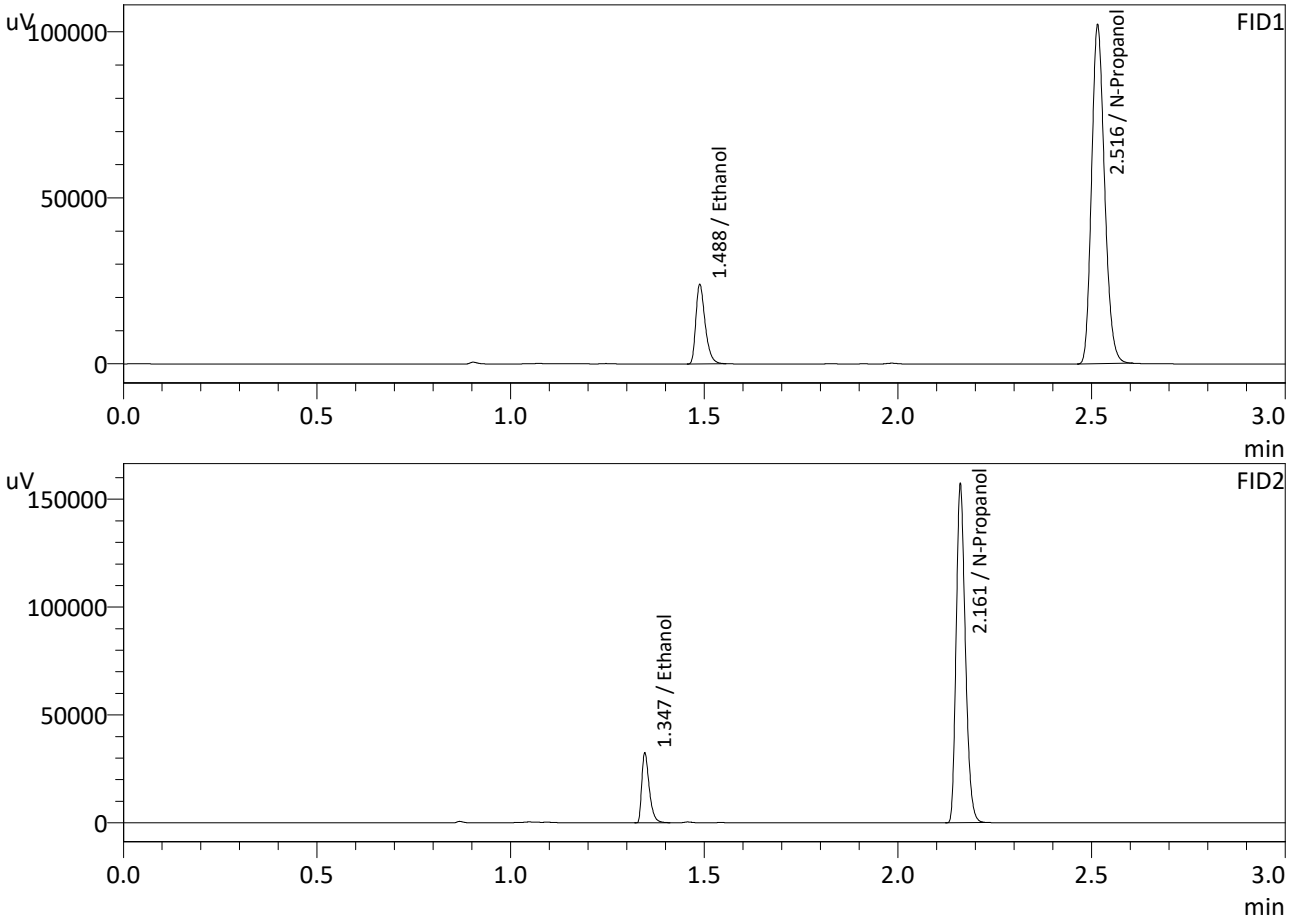
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

Reported Results
0.083

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 8/15/2024 8:55:28 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



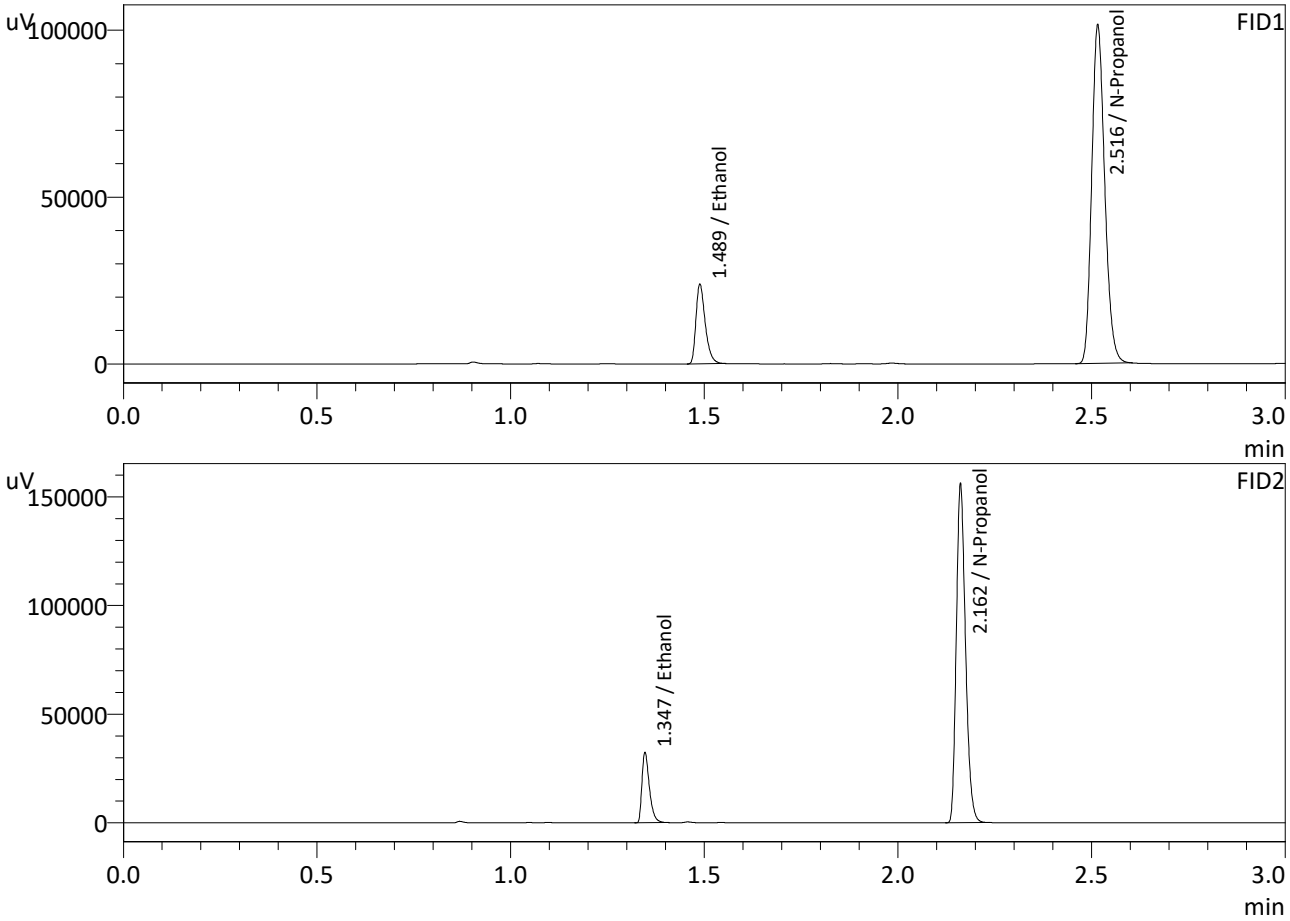
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0840	39910	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	237789	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0835	43329	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	259193	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 8/15/2024 9:04:27 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0842	39763	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236408	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0838	43240	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	257679	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 8/15/2024 5:56:32 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2055	0.2055	0.0000	0.2055	0.0016	0.2063
(g/100cc)	0.2072	0.2071	0.0001	0.2071		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240815NB.gcm

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

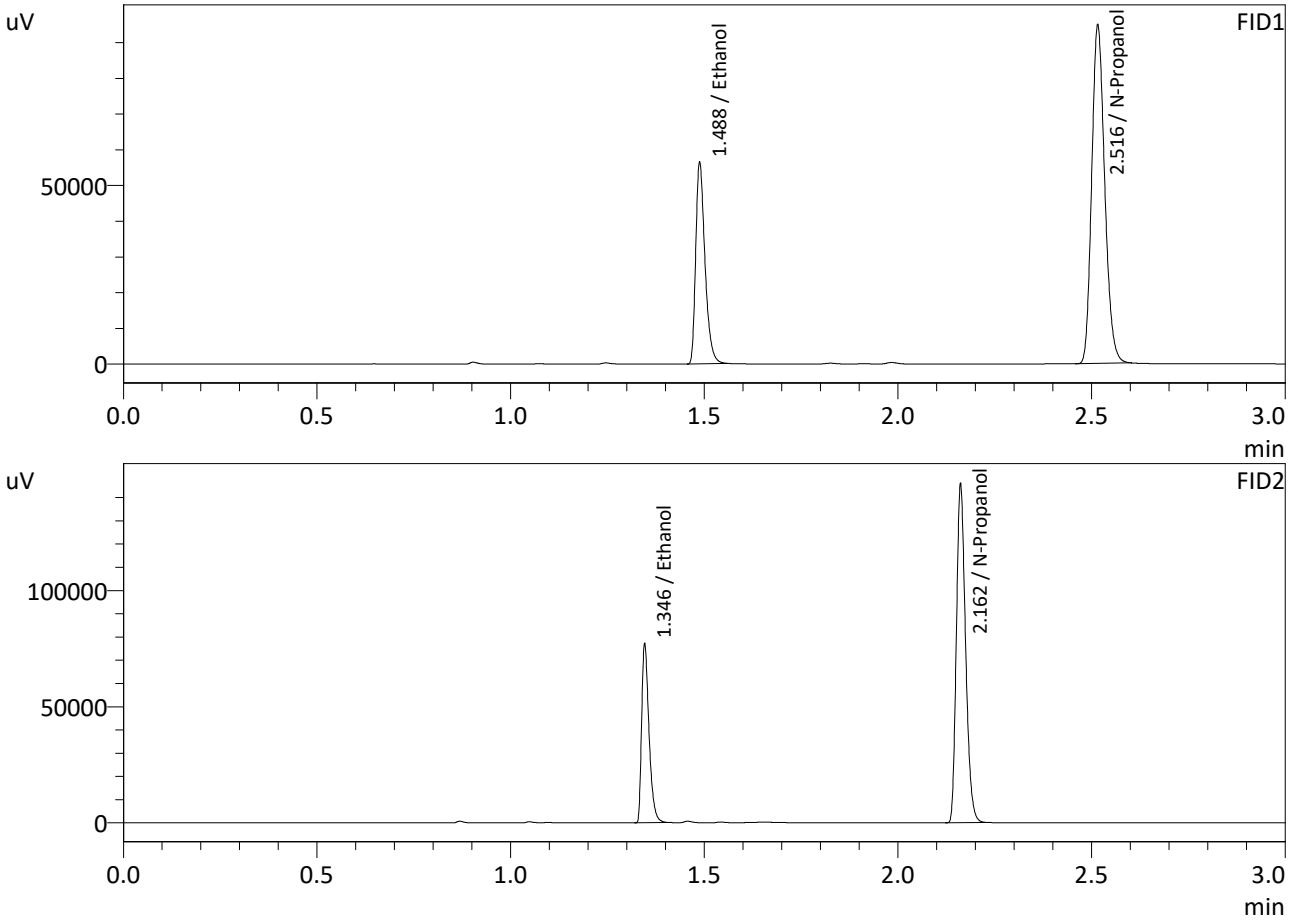
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.206	0.195	0.217	0.011

Reported Results
0.206

Calibration and control data are stored centrally.

NB

Sample Name	: QC-2-1
Laboratory	: Meridian
Injection Date	: 8/15/2024 5:56:32 PM
Vial #	: 25
Method Filename	: Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

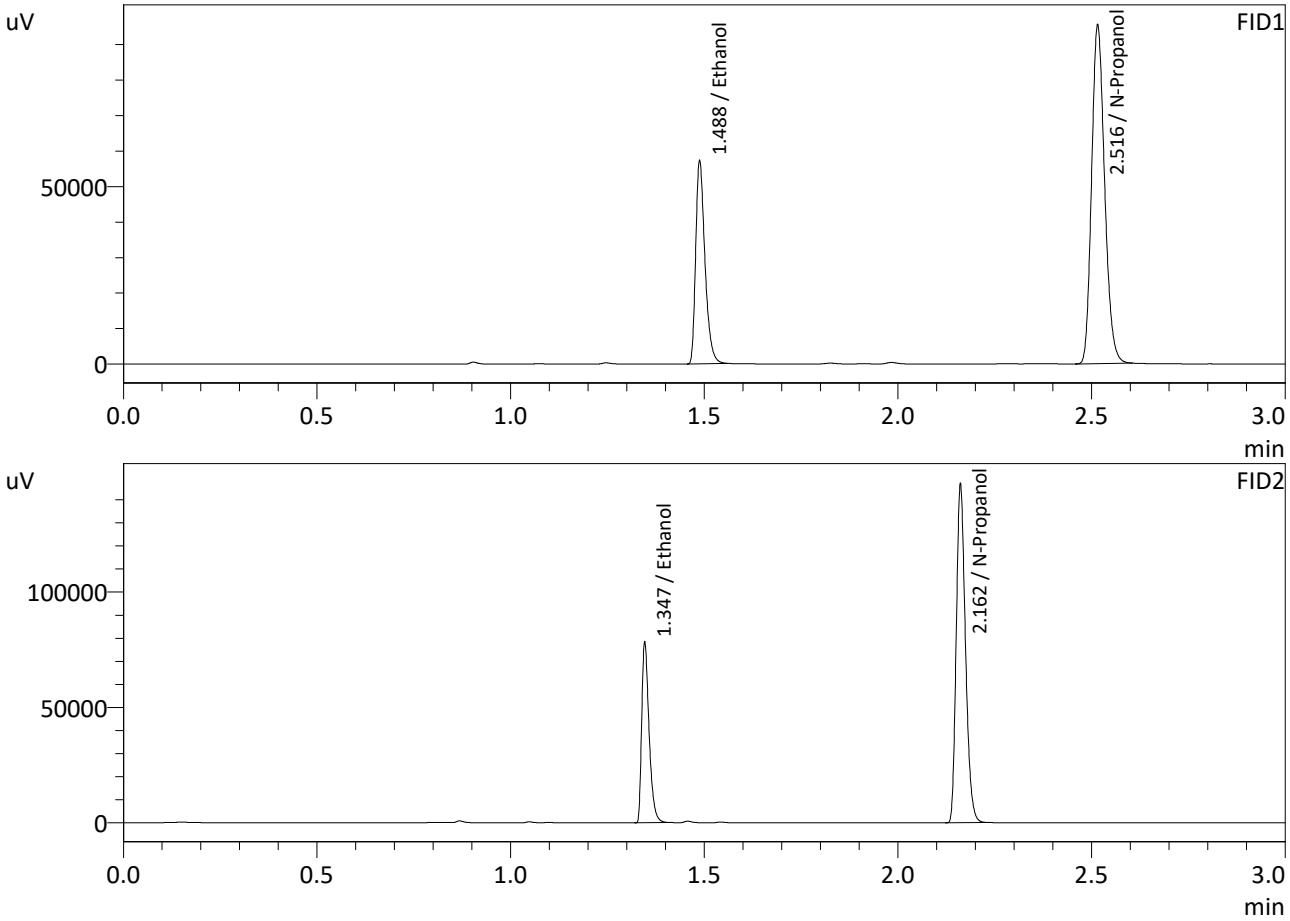
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2055	93452	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221170	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2055	102045	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	241068	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 8/15/2024 6:05:02 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2072	94895	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	222705	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2071	103621	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	242865	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 8/15/2024 9:11:42 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2102	0.2102	0.0000	0.2102	0.0039	0.2082
(g/100cc)	0.2064	0.2062	0.0002	0.2063		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240815NB.gcm

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

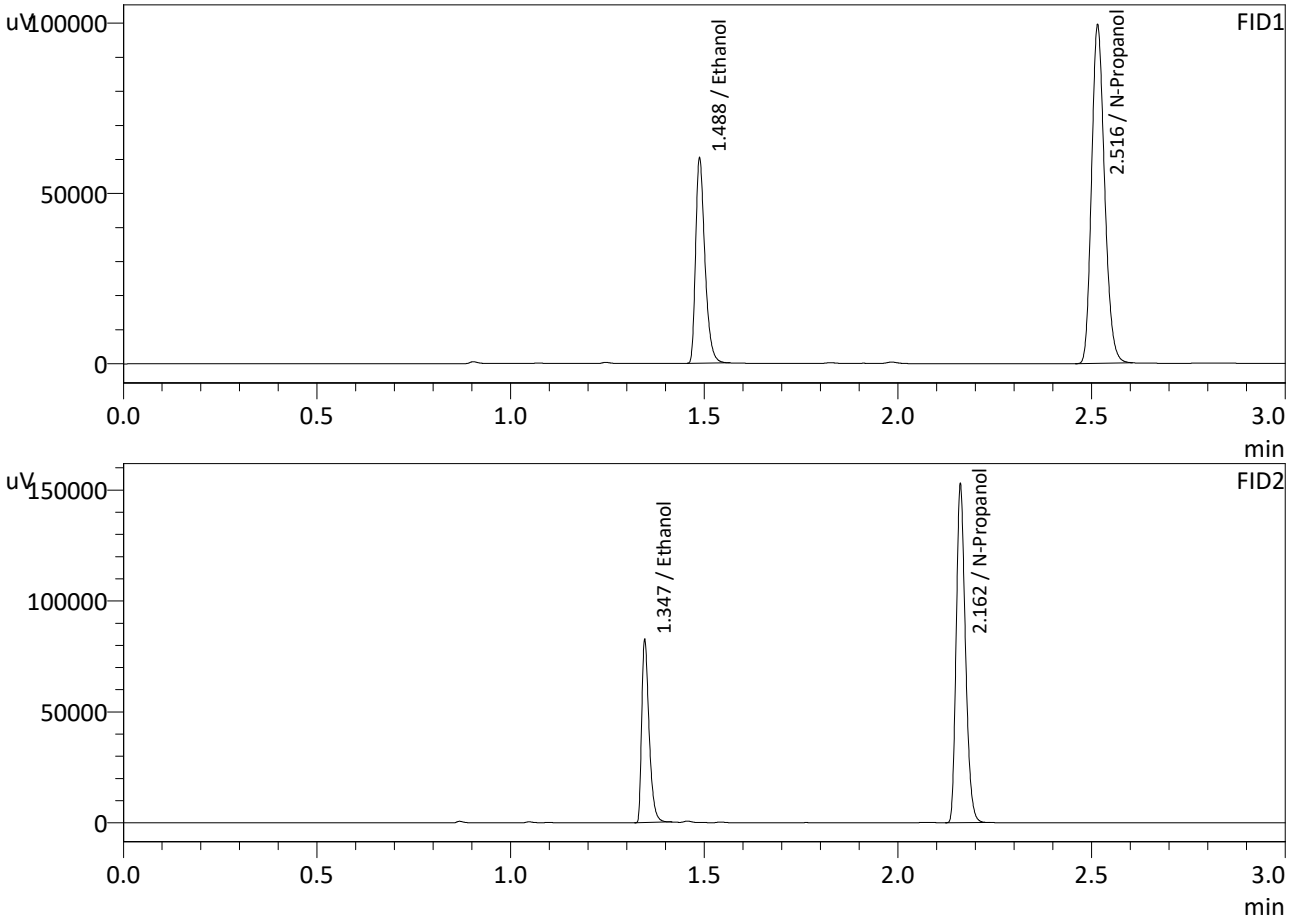
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.208	0.197	0.219	0.011

Reported Results
0.208

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 8/15/2024 9:11:42 PM
Vial # : 49
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

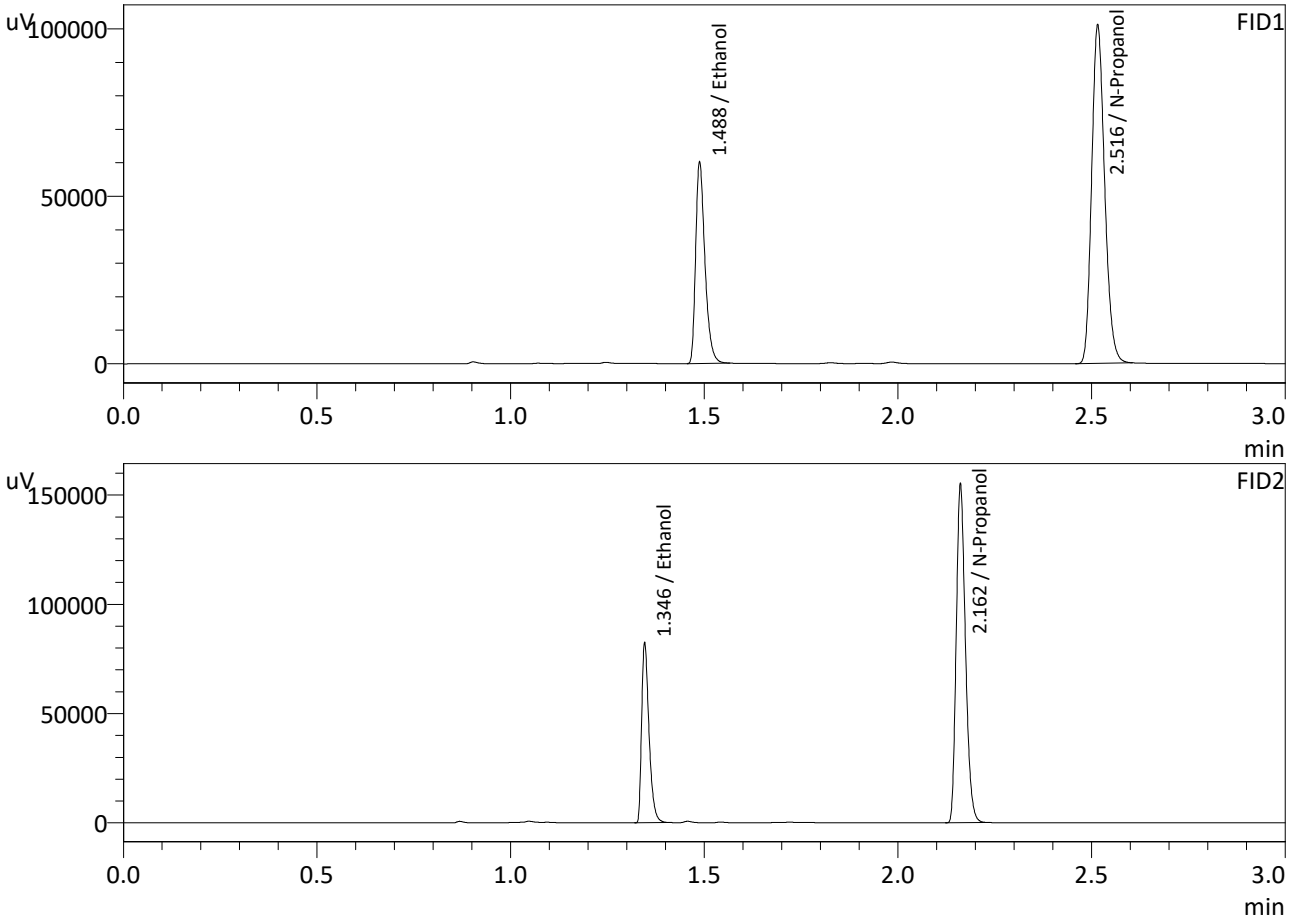
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2102	100187	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	231716	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2102	109294	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	252324	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 8/15/2024 9:19:20 PM
Vial # : 50
Method Filename : Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

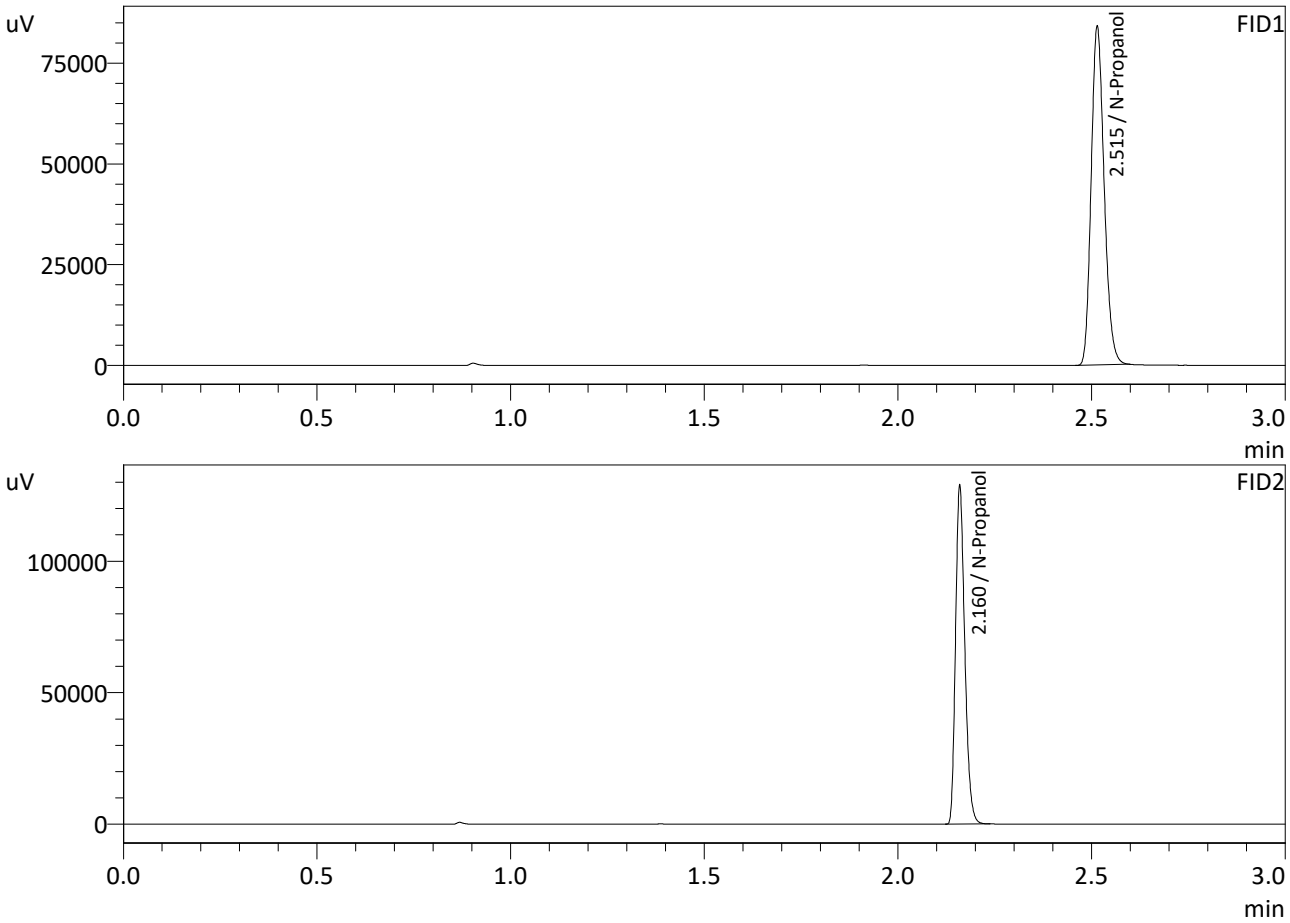
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2064	99900	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	235363	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2062	108952	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	256571	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name	: ISTD BLK 1
Laboratory	: Meridian
Injection Date	: 8/15/2024 2:44:38 PM
Vial #	: 1
Method Filename	: Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



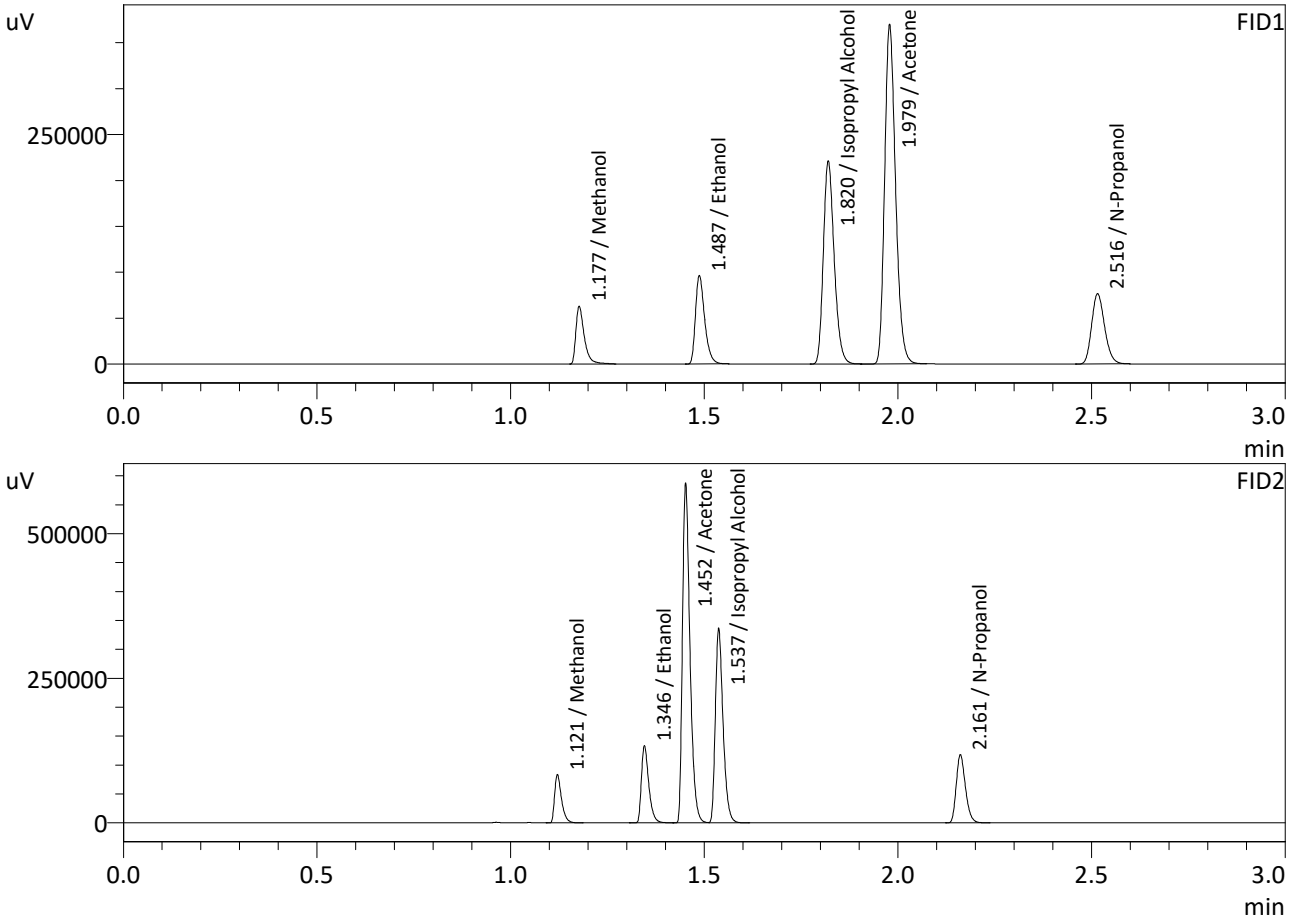
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195580	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	212998	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name	: MIXED VOLATILES FN 06041902
Laboratory	: Meridian
Injection Date	: 8/15/2024 2:51:57 PM
Vial #	: 2
Method Filename	: Default Project - ALCOHOL_240815NB.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



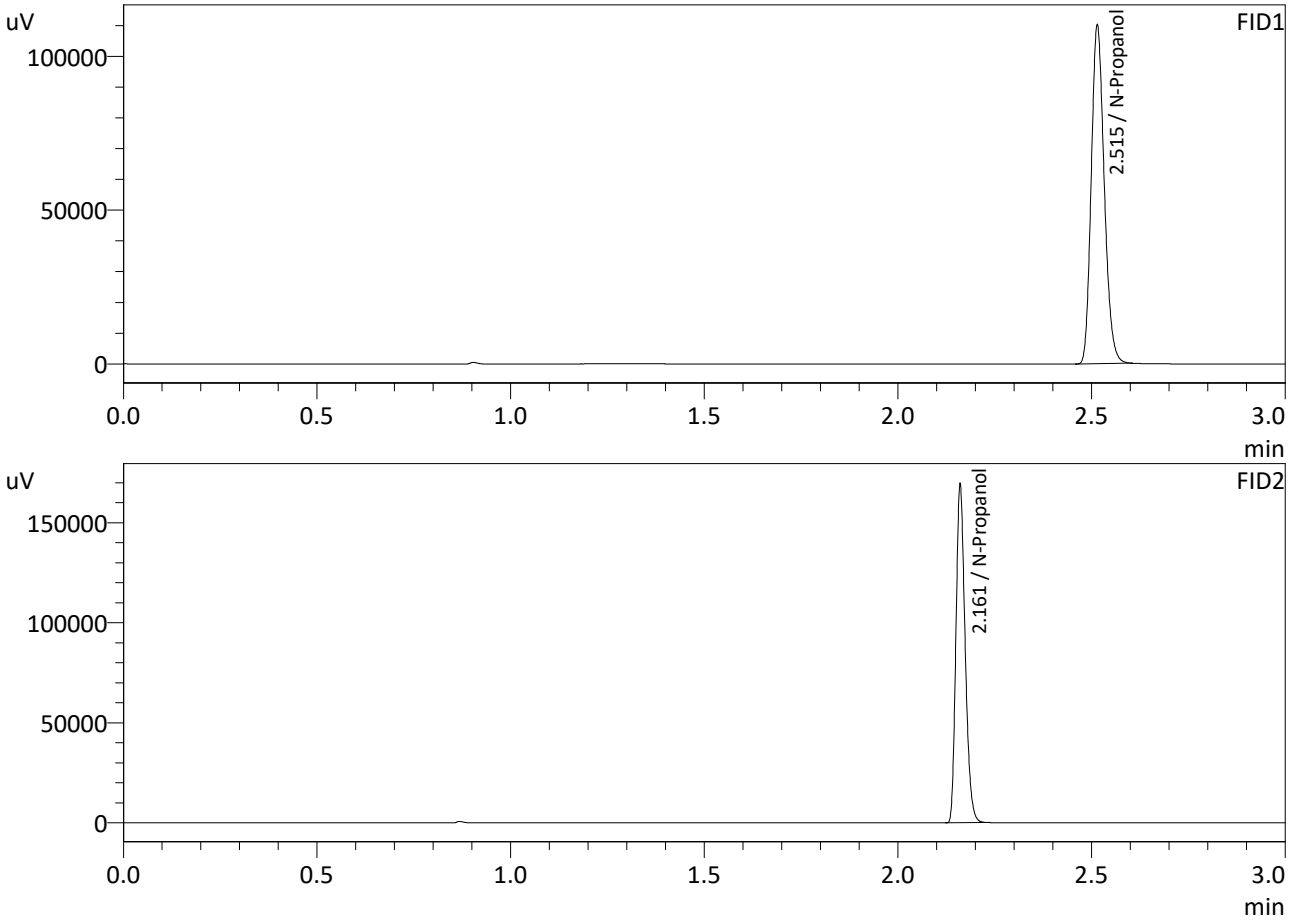
FID1

Name	Conc.	Area	Unit
Methanol	0.0000	94895	g/100cc
Ethanol	0.4301	159147	g/100cc
Isopropyl Alcohol	0.0000	429185	g/100cc
Acetone	0.0000	722699	g/100cc
N-Propanol	0.0000	178181	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	103084	g/100cc
Ethanol	0.4328	175116	g/100cc
Acetone	0.0000	788250	g/100cc
Isopropyl Alcohol	0.0000	465769	g/100cc
N-Propanol	0.0000	194501	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : ISTD BLK 2
Laboratory : Meridian
Injection Date : 8/15/2024 9:29:29 PM
Vial # : 51
Method Filename : Default Project - ALCOHOL_240815NB.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	256752	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	279817	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

Case# for Vials 11 and 12 Should be M2024-3287-1 and not 3281

NB 8/16/24

Vial#	Sample Name	Sample Type	Level#	Method File
1	ISTD BLK 1	0:Unknown	0	ALCOHOL 240815NB.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240815NB.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240815NB.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240815NB.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 240815NB.gcm
7	M2024-3254-1	0:Unknown	0	ALCOHOL 240815NB.gcm
8	M2024-3254-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
9	M2024-3269-5	0:Unknown	0	ALCOHOL 240815NB.gcm
10	M2024-3269-5-B	0:Unknown	0	ALCOHOL 240815NB.gcm
11	M2024-3281-1	0:Unknown	0	ALCOHOL 240815NB.gcm
12	M2024-3281-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
13	M2024-3288-1	0:Unknown	0	ALCOHOL 240815NB.gcm
14	M2024-3288-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
15	M2024-3289-1	0:Unknown	0	ALCOHOL 240815NB.gcm
16	M2024-3289-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
17	M2024-3290-1	0:Unknown	0	ALCOHOL 240815NB.gcm
18	M2024-3290-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
19	M2024-3301-2	0:Unknown	0	ALCOHOL 240815NB.gcm
20	M2024-3301-2-B	0:Unknown	0	ALCOHOL 240815NB.gcm
21	M2024-3304-1	0:Unknown	0	ALCOHOL 240815NB.gcm
22	M2024-3304-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
23	M2024-3305-1	0:Unknown	0	ALCOHOL 240815NB.gcm
24	M2024-3305-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240815NB.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
27	M2024-3306-1	0:Unknown	0	ALCOHOL 240815NB.gcm
28	M2024-3306-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
29	M2024-3308-1	0:Unknown	0	ALCOHOL 240815NB.gcm
30	M2024-3308-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
31	M2024-3324-1	0:Unknown	0	ALCOHOL 240815NB.gcm
32	M2024-3324-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
33	M2024-3325-1	0:Unknown	0	ALCOHOL 240815NB.gcm
34	M2024-3325-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
35	M2024-3326-1	0:Unknown	0	ALCOHOL 240815NB.gcm
36	M2024-3326-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
37	M2024-3342-1	0:Unknown	0	ALCOHOL 240815NB.gcm
38	M2024-3342-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
39	M2024-3343-1	0:Unknown	0	ALCOHOL 240815NB.gcm
40	M2024-3343-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
41	M2024-3344-1	0:Unknown	0	ALCOHOL 240815NB.gcm
42	M2024-3344-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
43	M2024-3365-1	0:Unknown	0	ALCOHOL 240815NB.gcm
44	M2024-3365-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
45	M2024-3366-1	0:Unknown	0	ALCOHOL 240815NB.gcm
46	M2024-3366-1-B	0:Unknown	0	ALCOHOL 240815NB.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 240815NB.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 240815NB.gcm
49	QC-2-2	0:Unknown	0	ALCOHOL 240815NB.gcm
50	QC-2-2-B	0:Unknown	0	ALCOHOL 240815NB.gcm
51	ISTD BLK 2	0:Unknown	0	ALCOHOL 240815NB.gcm

NB