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): 3/4/34**

Calibration Date: *(if different)* **3/4/24**

Worklist #: 6712

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0815 g/100cc
					0.0843 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2118 g/100cc
					0.2102 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 24	Lot #	FN06041902	
Curve Fit:		**Column 1**	0.99990	**Column2**	0.99989

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0521	0.0522	0.0001	0.0521
100	0.100	0.090 - 0.110	0.0990	0.0993	0.0003	0.0991
200	0.200	0.180 - 0.220	0.1976	0.1972	0.0004	0.1974
300	0.300	0.270 - 0.330	0.3005	0.3003	0.0002	0.3004
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5007	0.0002	0.5006

Aqueous Controls

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

REVIEWED

By Jeremy Johnston at 12:23 pm, Mar 05, 2024

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

Internal Standard Monitoring Worksheet

Worklist #:	6712	Run Date(s):	3/4/34

Internal Standard Solution:	Prep Date:	12/5/2023	Exp Date:	6/5/2024

Sample Name	Column 1 Value	Column 2 Value
0.080	183098	197265
0.080	178053	191919
QC1	177901	191800
QC1	186413	201026
QC1	209893	227839
QC1	211482	228895
QC1		
QC1		
QC2	204101	221133
QC2	200999	217989
QC2	221041	239000
QC2	227641	246696
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	200062.2	160049.8	240074.6
Column 2	216356.2	173085.0	259627.4

Worklist: 6712

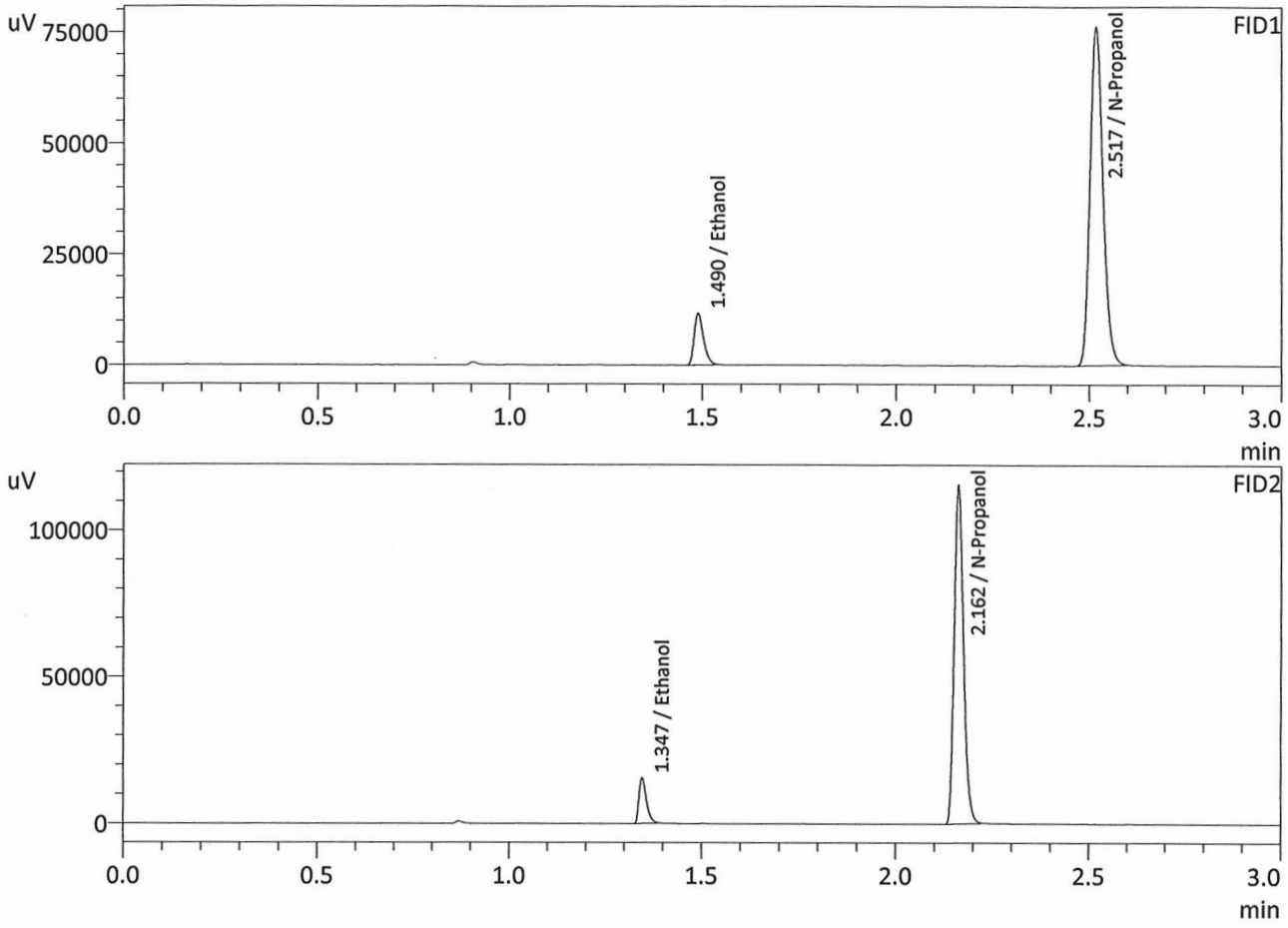
LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-0718	1	BCK	Alcohol Analysis
M2024-0726	1	BCK	Alcohol Analysis
M2024-0730	1	BCK	Alcohol Analysis
M2024-0738	1	BCK	Alcohol Analysis
M2024-0741	1	BCK	Alcohol Analysis
M2024-0742	1	BCK	Alcohol Analysis
M2024-0743	1	BCK	Alcohol Analysis
M2024-0745	1	BCK	Alcohol Analysis
M2024-0746	3	BCK	Alcohol Analysis
M2024-0755	5	BCK	Alcohol Analysis
M2024-0776	2	BCK	Alcohol Analysis
M2024-0794	1	BCK	Alcohol Analysis
M2024-0822	1	BCK	Alcohol Analysis
M2024-0840	1	BCK	Alcohol Analysis
M2024-0841	1	BCK	Alcohol Analysis
M2024-0842	1	BCK	Alcohol Analysis
M2024-0851	1	BCK	Alcohol Analysis
M2024-0852	1	BCK	Alcohol Analysis
M2024-0853	1	BCK	Alcohol Analysis
M2024-0854	1	BCK	Alcohol Analysis
M2024-0855	1	BCK	Alcohol Analysis

JG

Worklist: 6712

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-0905	1	BCK	Alcohol Analysis

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 3/4/2024 11:51:42 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

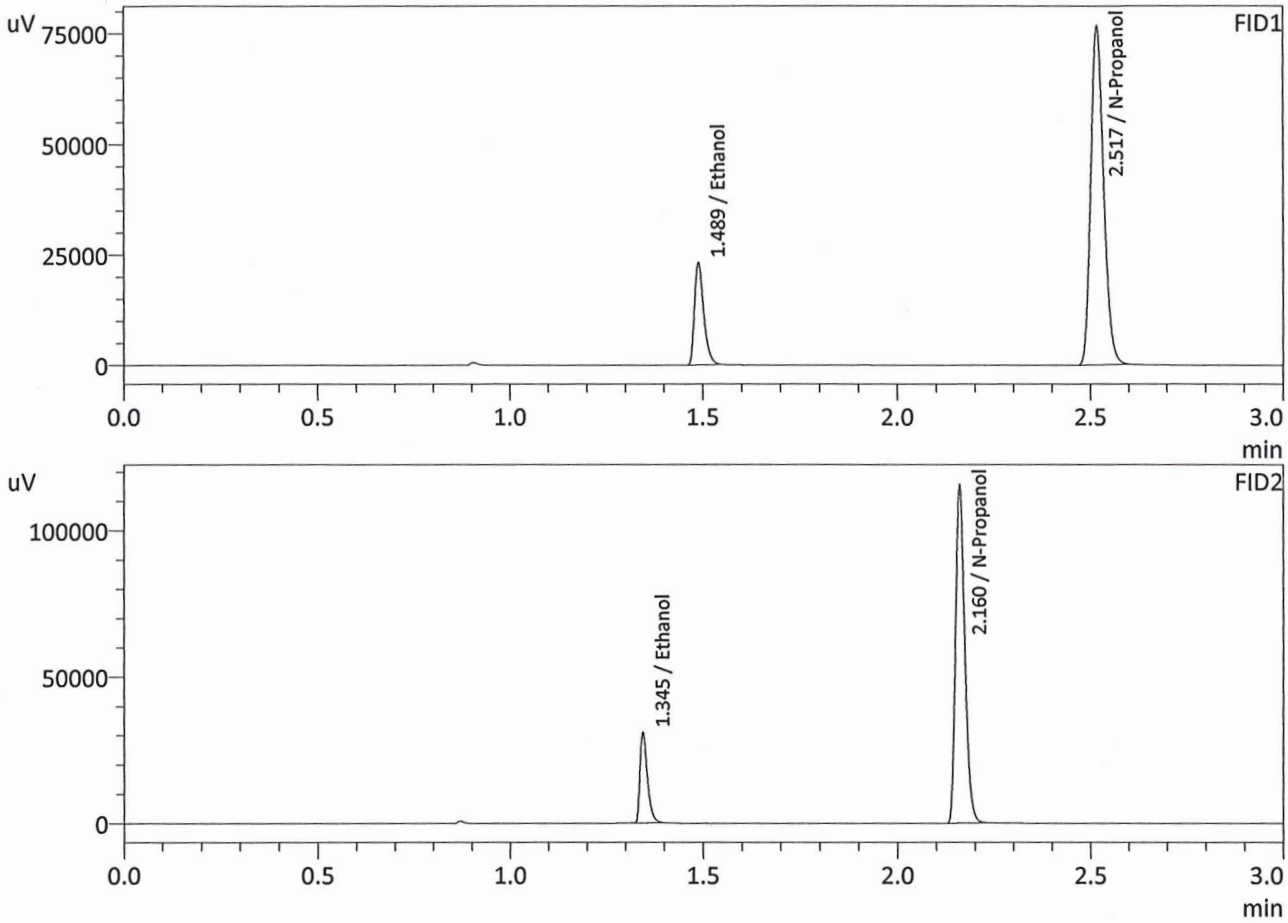
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0521	19457	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	178372	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0522	20765	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191736	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 3/4/2024 11:59:03 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

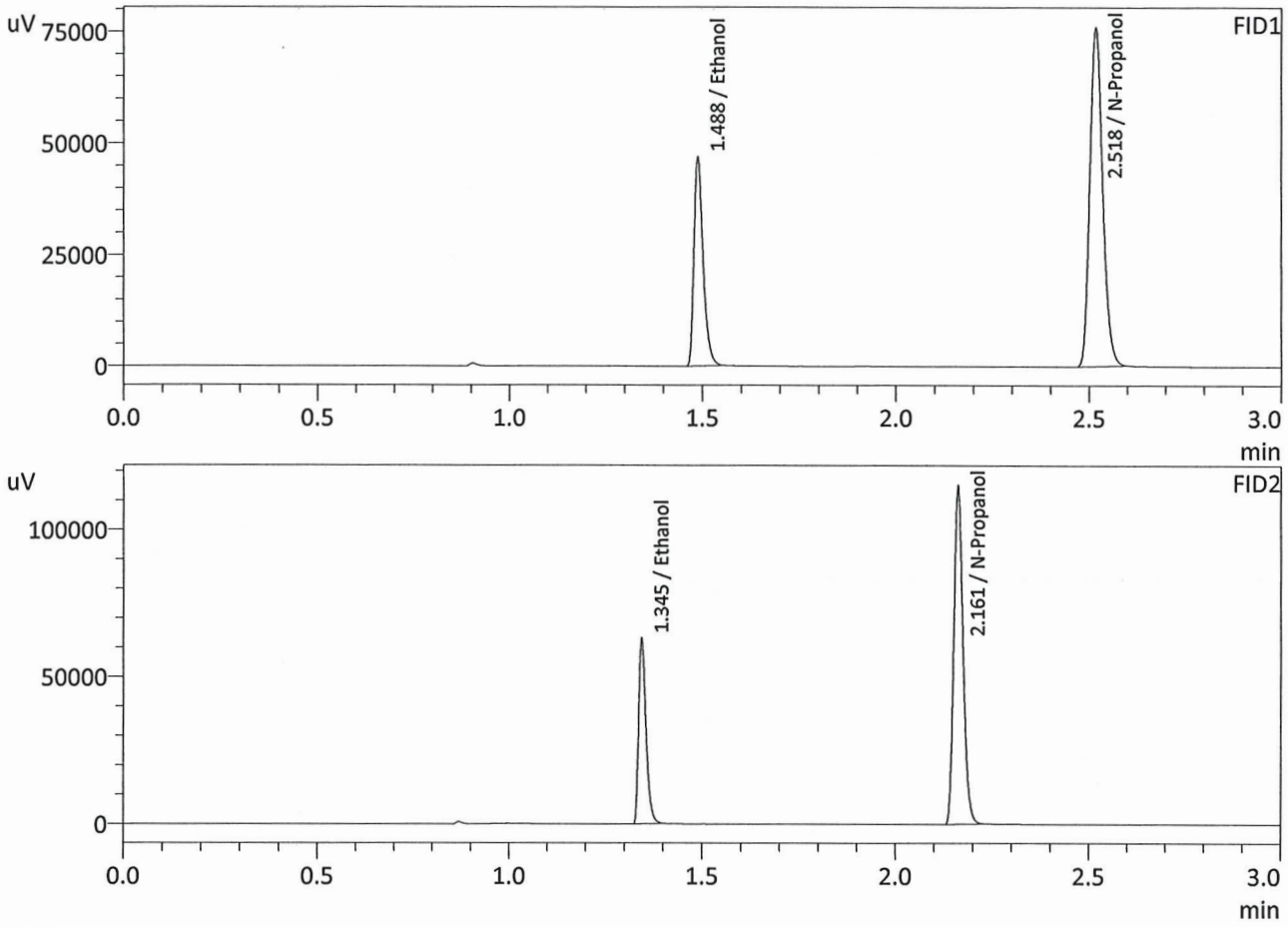
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0990	38330	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	178752	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0993	41234	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191850	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 3/4/2024 12:06:43 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

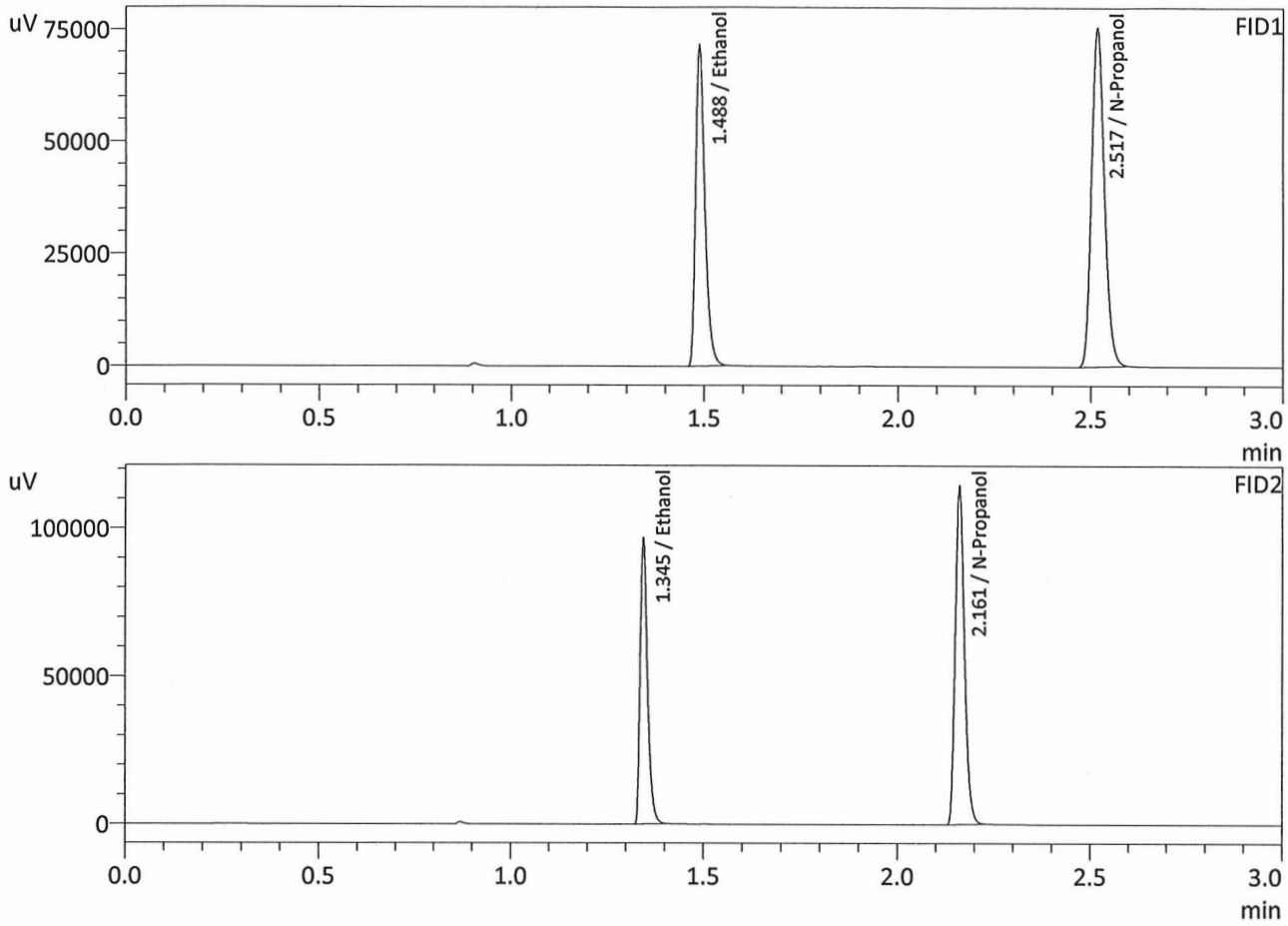
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1976	77298	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177515	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1972	83402	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191018	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 3/4/2024 12:15:06 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

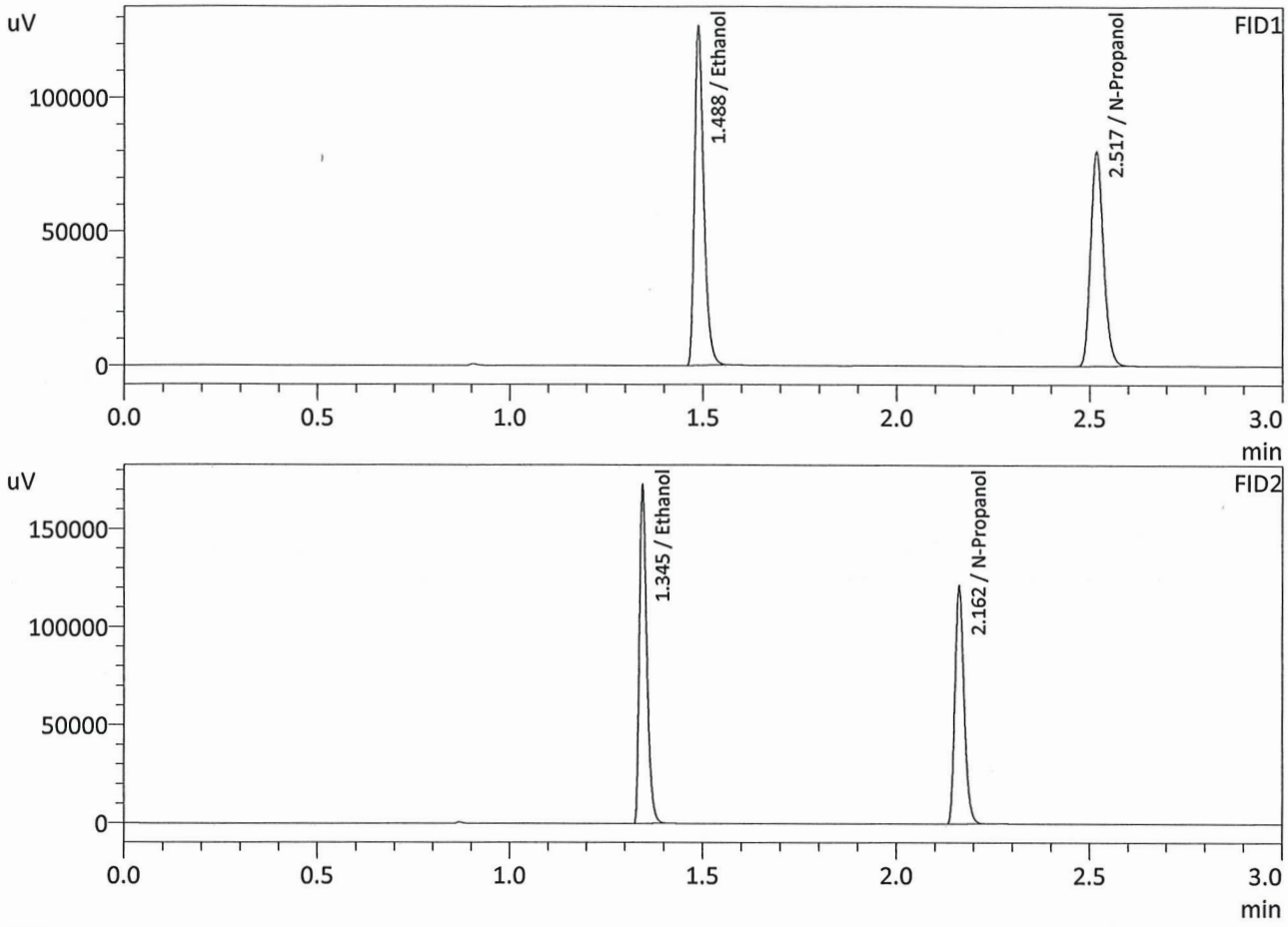
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3005	117431	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	176208	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3003	127146	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189712	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 3/4/2024 12:23:46 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

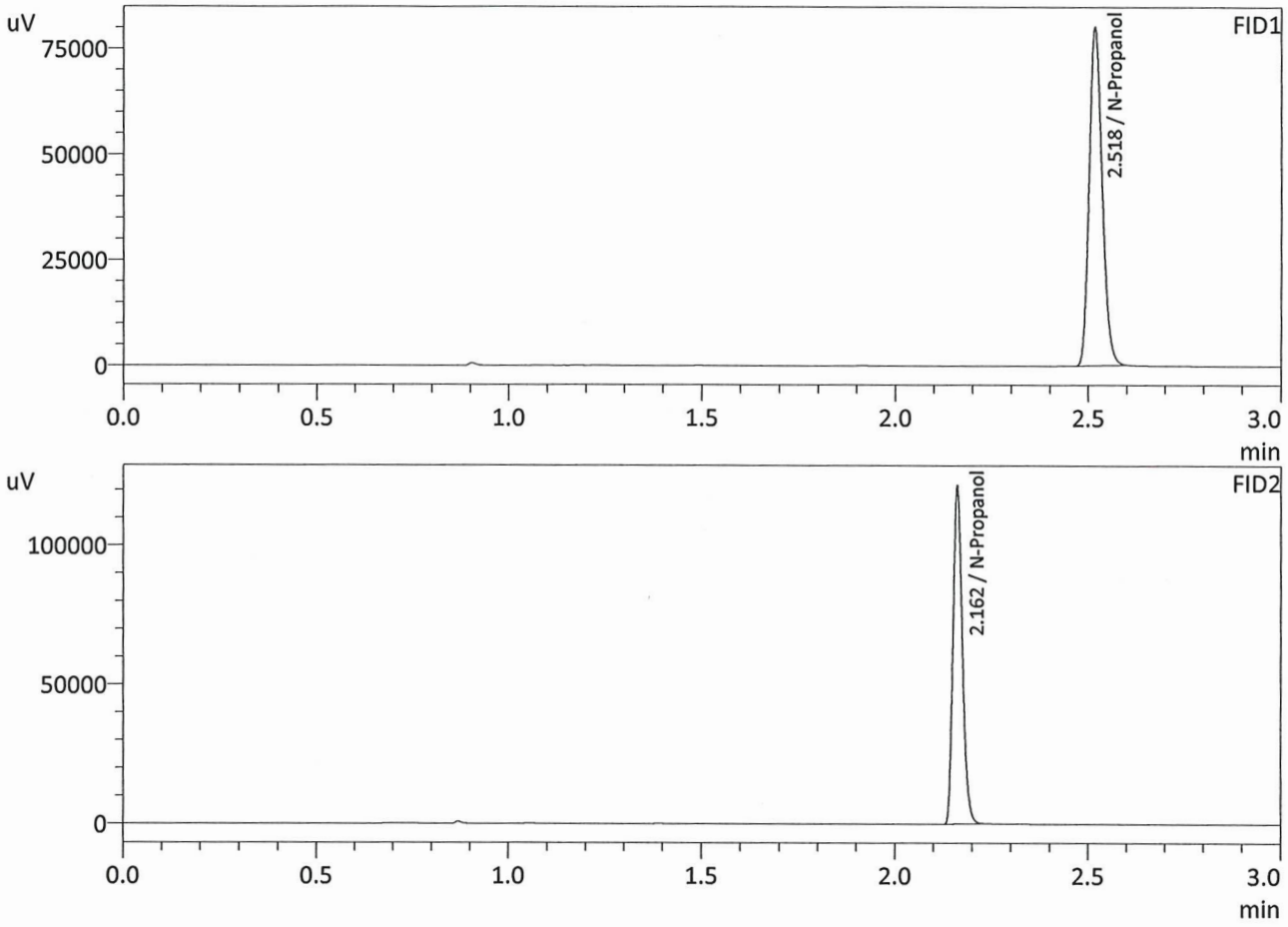
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5005	207988	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186506	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5007	225881	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200931	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 3/4/2024 12:31:43 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240304JG.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	187051	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

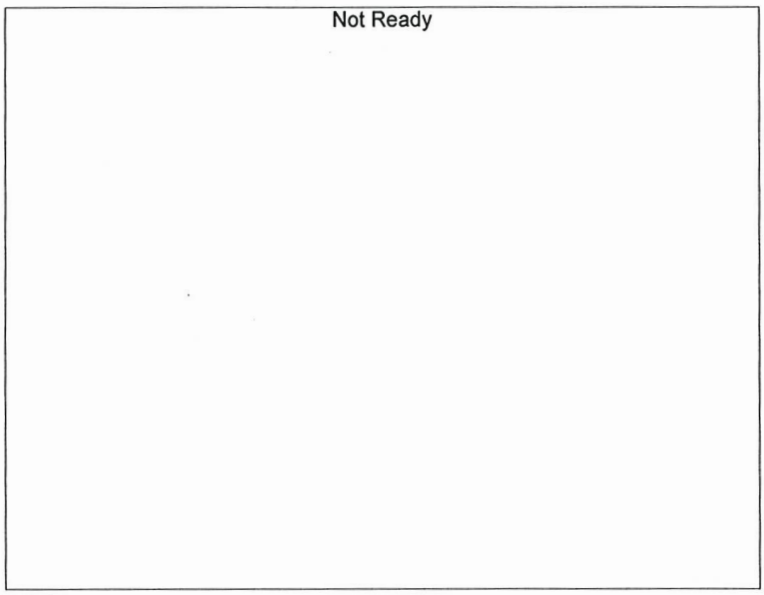
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201796	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Calibration Table

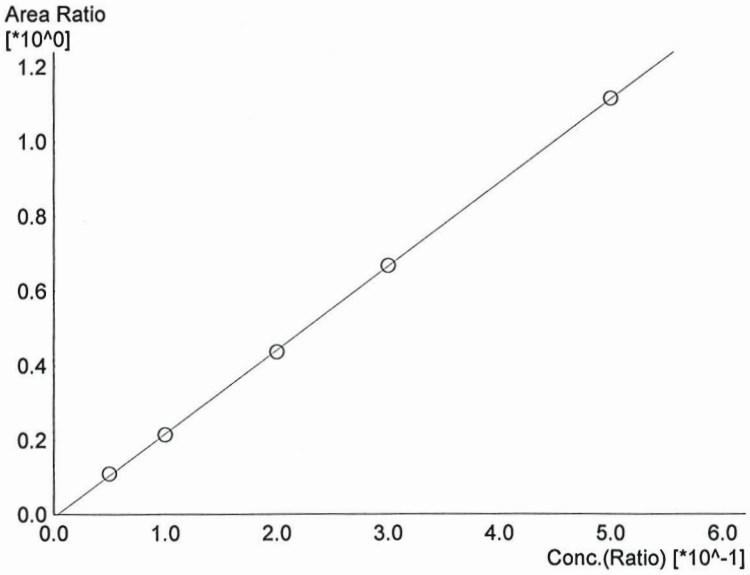
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_240304JG.gcm
Batch File :Default Project - CALCURVE_240304JG.gcb
Date Acquired :3/4/2024 12:23:46 PM
Date Created :3/4/2024 12:18:11 PM
Date Modified :3/4/2024 12:26:48 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)=2.24355*x-0.00790169
R^2 value= 0.9999080
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19457	0.0521
2	0.100	38330	0.0990
3	0.200	77298	0.1976
4	0.300	117431	0.3005
5	0.500	207988	0.5005

JG

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

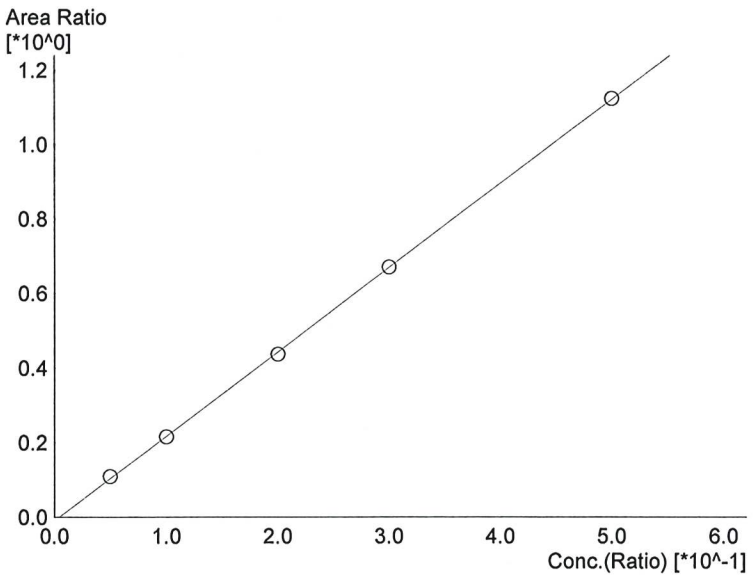
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

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

#	Conc.	Area	Std. Conc.



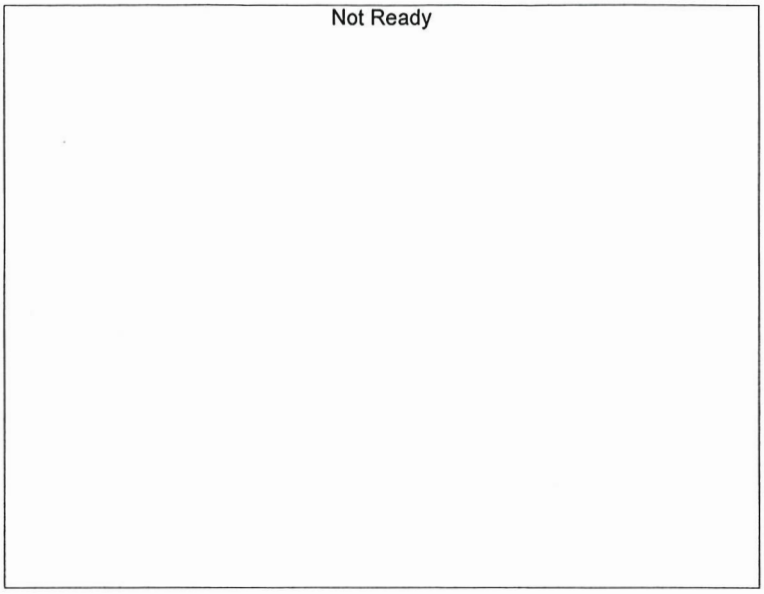
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.26490*x-0.0100821
R^2 value= 0.9998905
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20765	0.0522
2	0.100	41234	0.0993
3	0.200	83402	0.1972
4	0.300	127146	0.3003
5	0.500	225881	0.5007

Not Ready

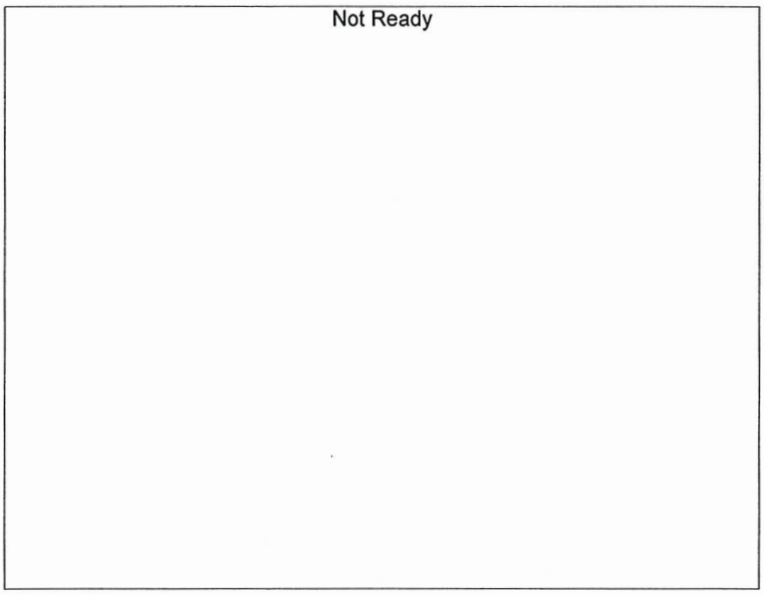
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

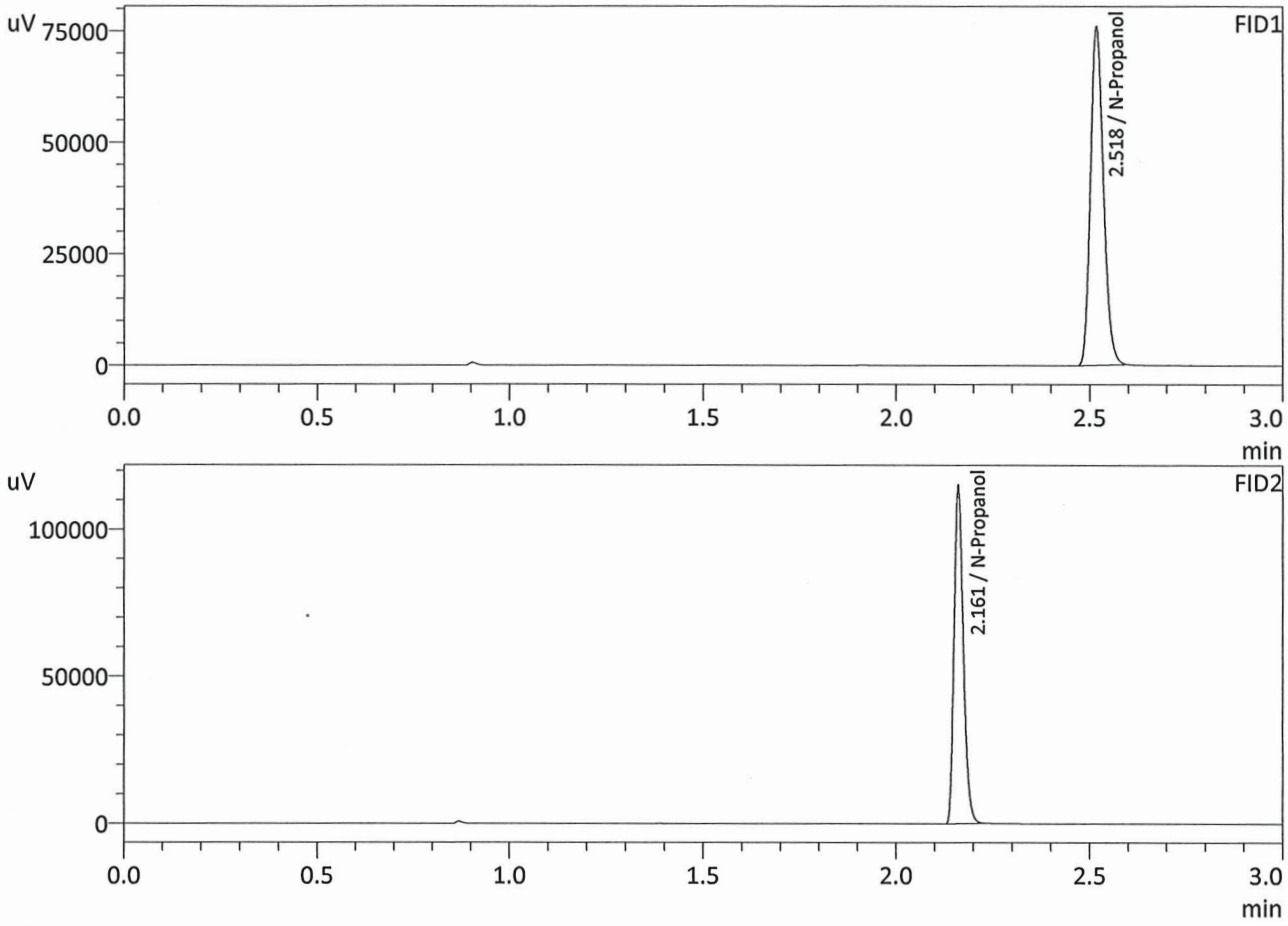
#	Conc.	Area	Std. Conc.



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 : ISTD BLK 1
Laboratory : Meridian
Injection Date : 3/4/2024 1:12:14 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



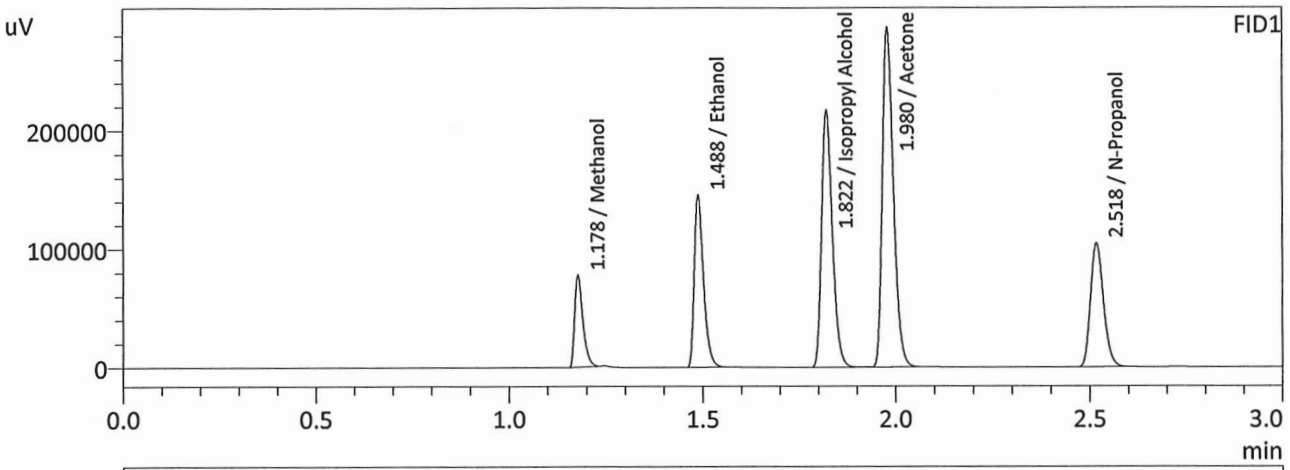
FID1

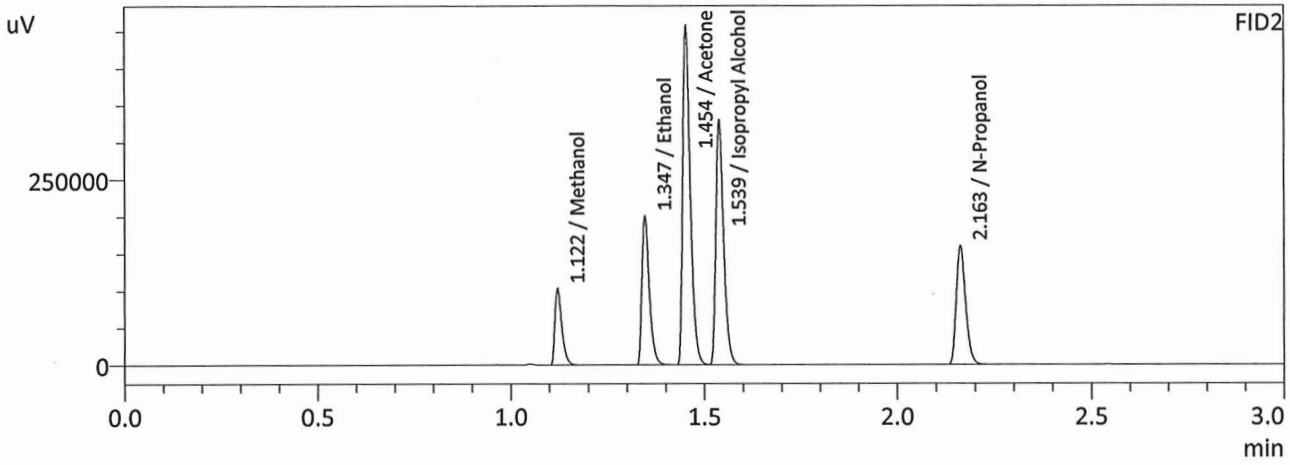
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177681	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191172	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 3/4/2024 1:19:33 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	113132	g/100cc
Ethanol	0.4433	239706	g/100cc
Isopropyl Alcohol	0.0000	421598	g/100cc
Acetone	0.0000	561822	g/100cc
N-Propanol	0.0000	242929	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	127786	g/100cc
Ethanol	0.4450	263137	g/100cc
Acetone	0.0000	614207	g/100cc
Isopropyl Alcohol	0.0000	457025	g/100cc
N-Propanol	0.0000	263687	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 3/4/2024 1:26:53 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0815	0.0812	0.0003	0.0813	0.0004	0.0815
(g/100cc)	0.0818	0.0816	0.0002	0.0817		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

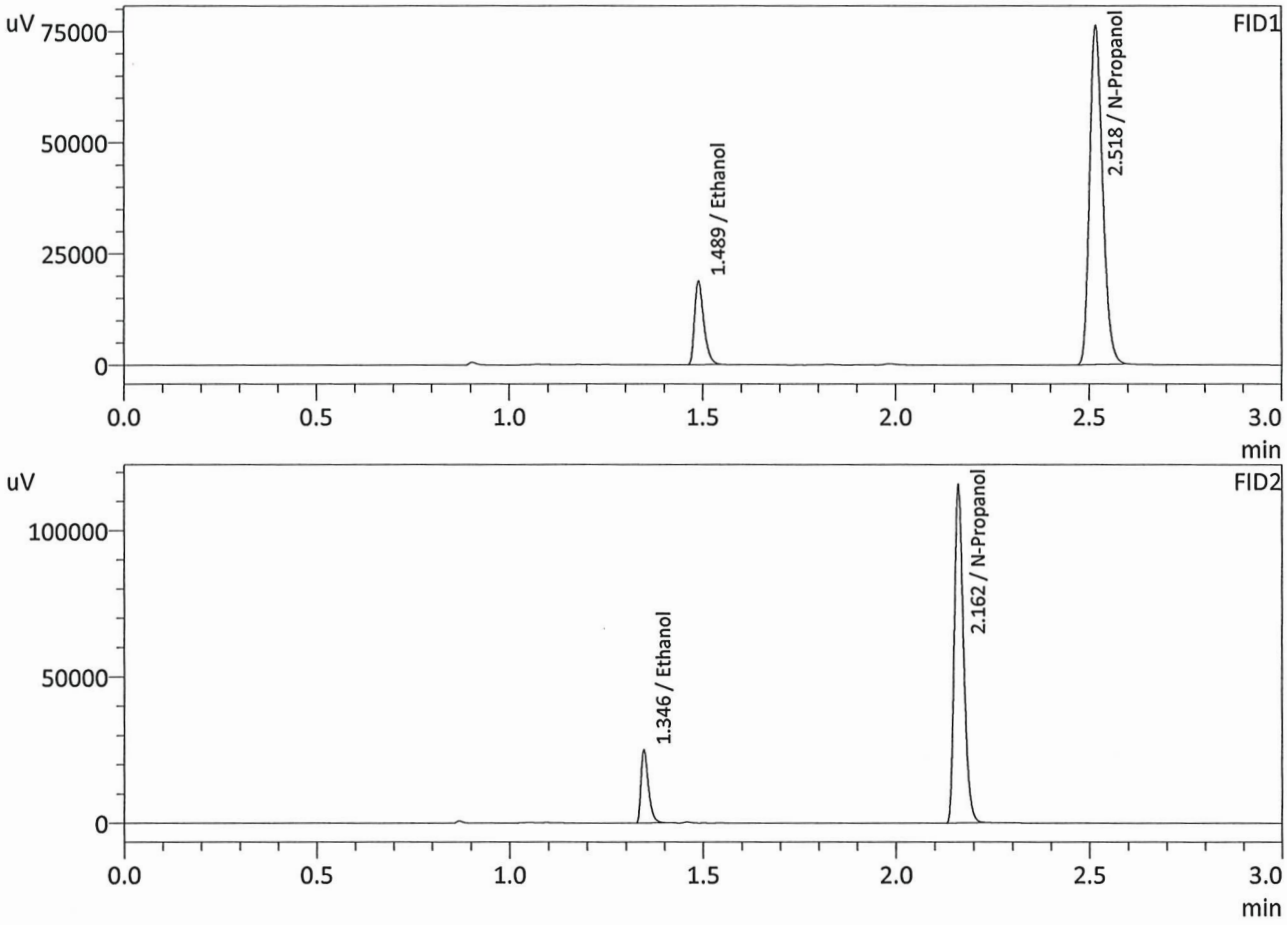
Refer To Instrument Method: ALCOHOL_240304JG.gcm

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 : 3/4/2024 1:26:53 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

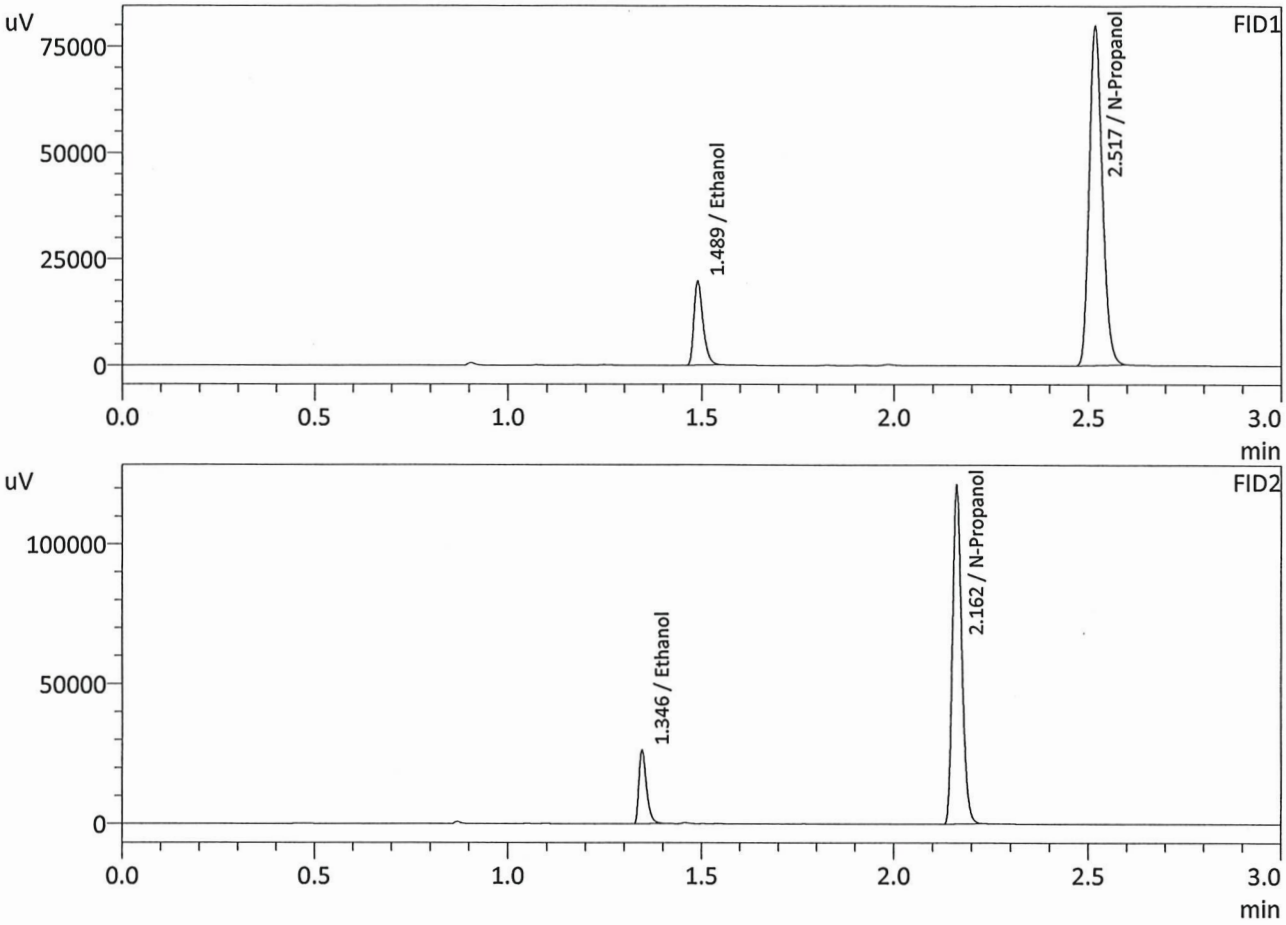
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0815	31150	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177901	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0812	33363	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191800	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 3/4/2024 1:35:46 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	32766	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186413	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	35171	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201026	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 3/4/2024 1:44:12 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0807	0.0002	0.0808	0.0007	0.0811
(g/100cc)	0.0817	0.0814	0.0003	0.0815		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240304JG.gcm

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

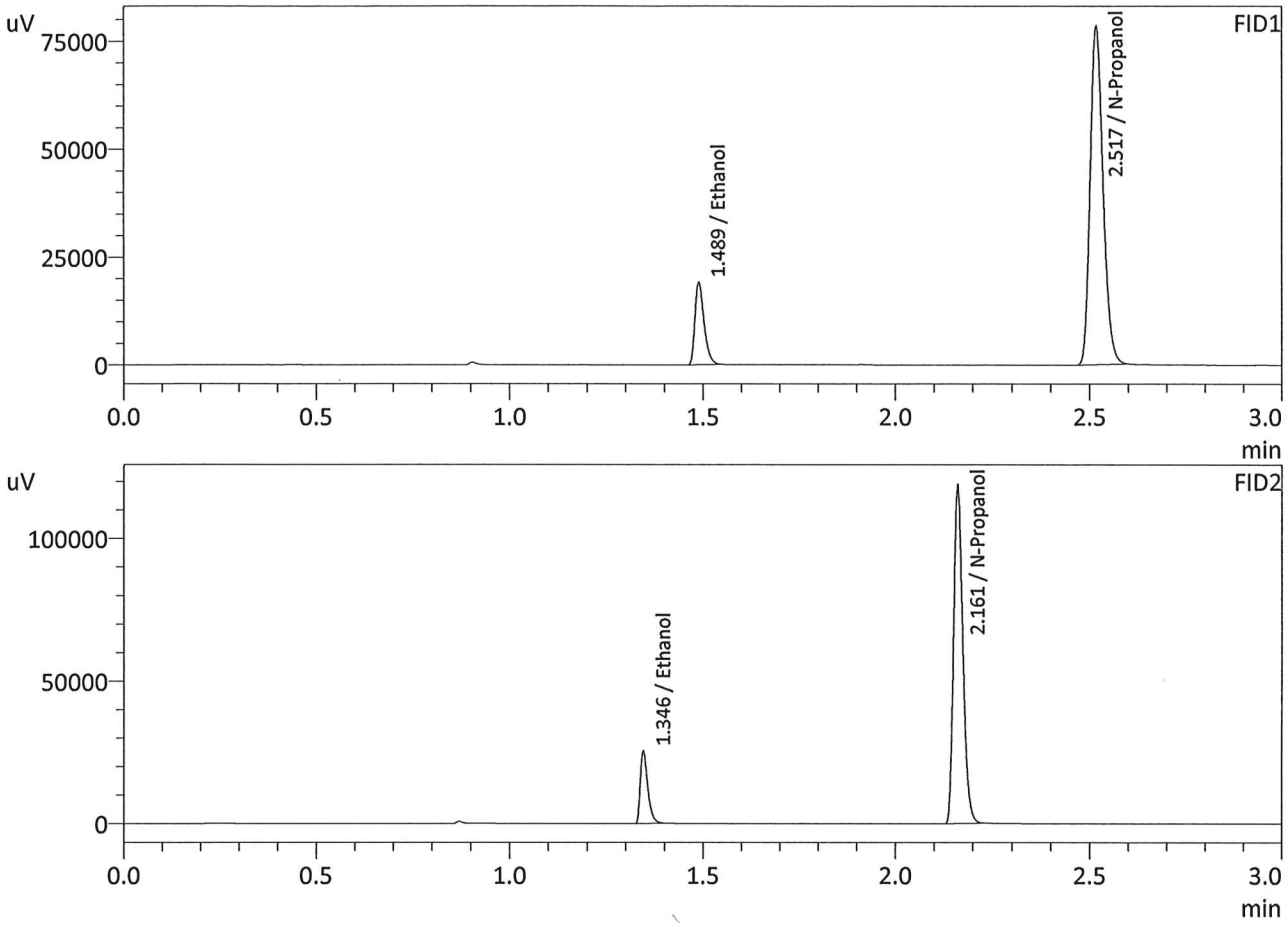
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

JG

Sample Name	: 0.08 QA
Laboratory	: Meridian
Injection Date	: 3/4/2024 1:44:12 PM
Vial #	: 5
Method Filename	: Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

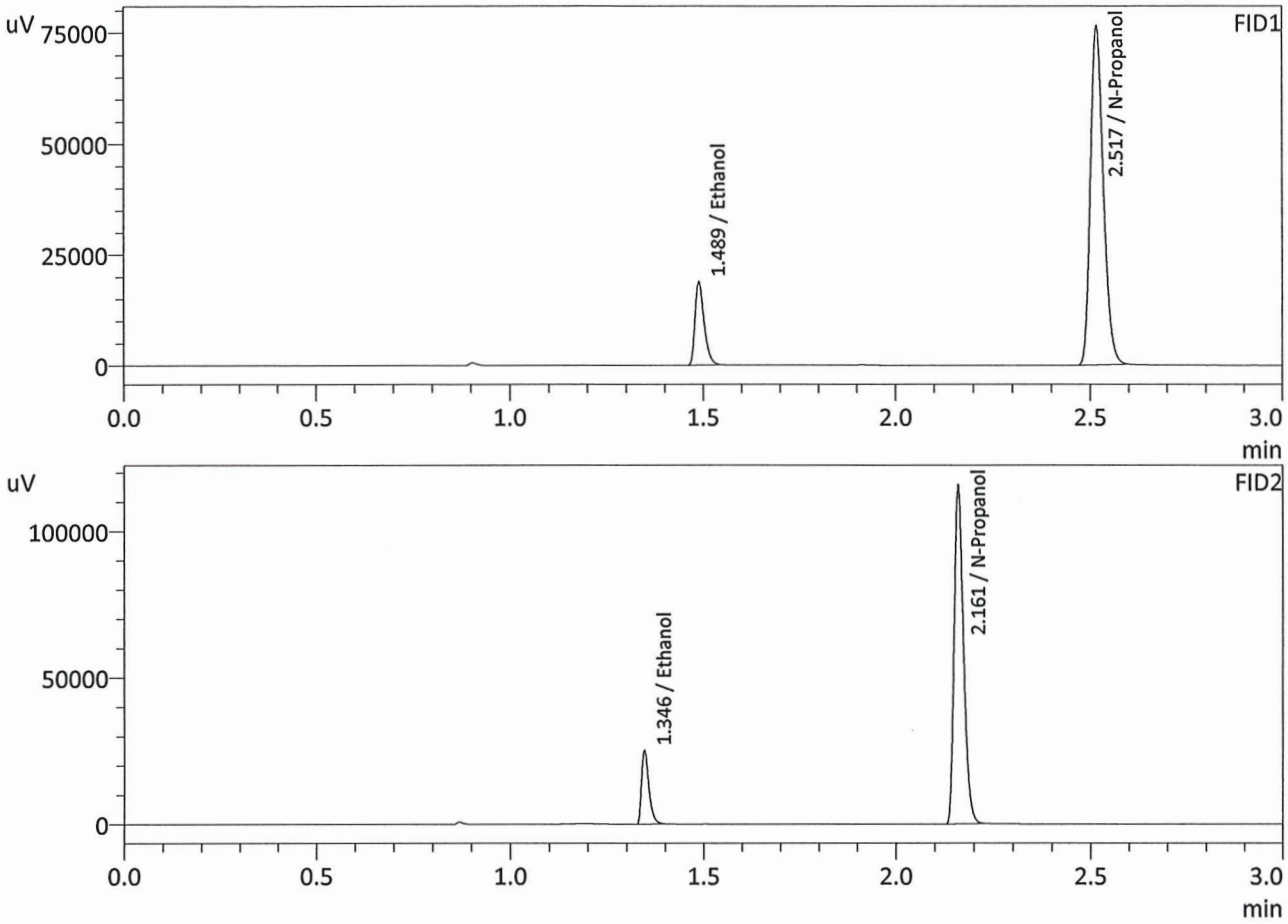
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0809	31789	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183098	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	34071	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197265	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 3/4/2024 1:51:40 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	31239	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	178053	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0814	33489	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191919	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 3/4/2024 4:26:21 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2105	0.2103	0.0002	0.2104	0.0029	0.2118
(g/100cc)	0.2135	0.2131	0.0004	0.2133		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240304JG.gcm

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

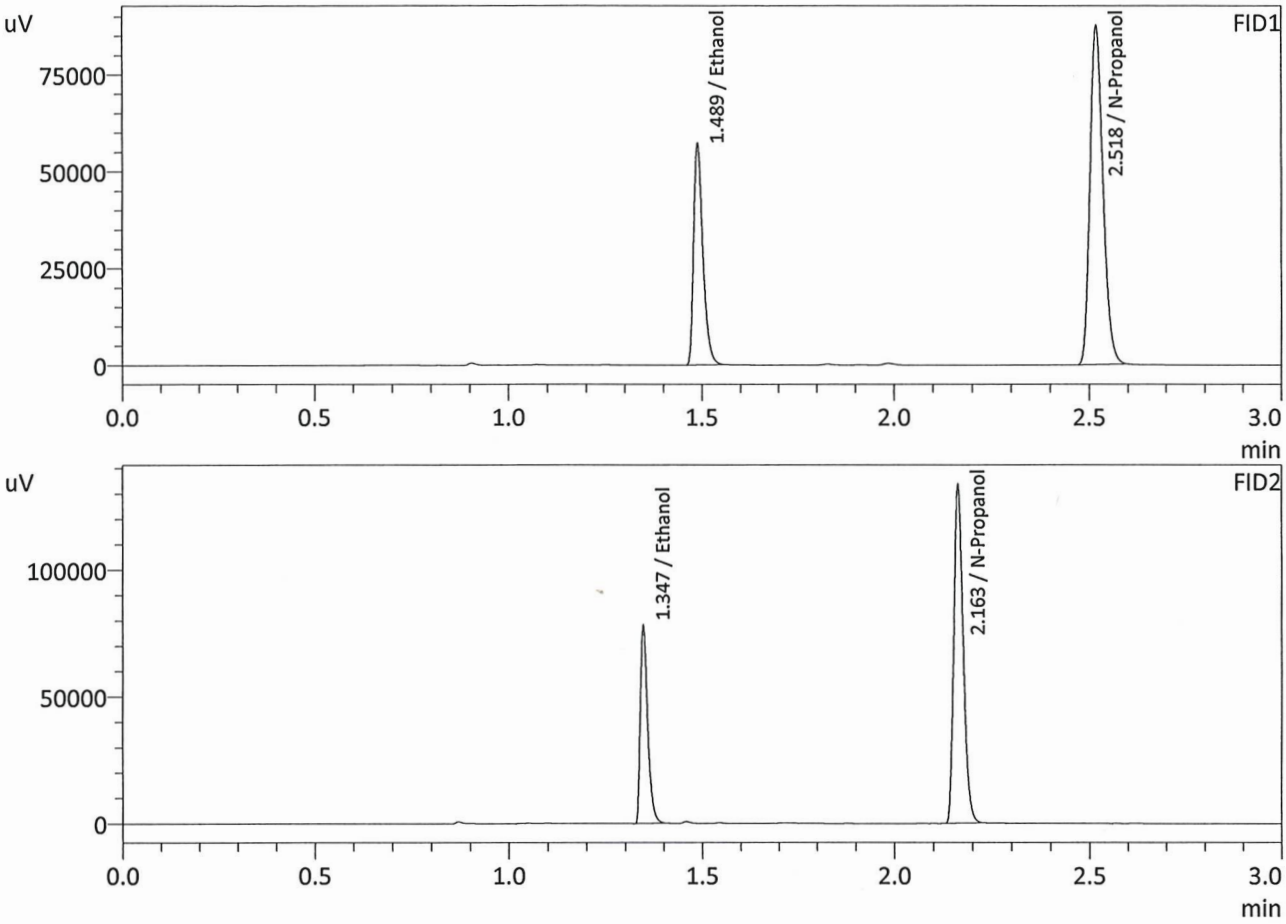
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.211	0.200	0.222	0.011

Reported Results
0.211

Calibration and control data are stored centrally.

JL

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 3/4/2024 4:26:21 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

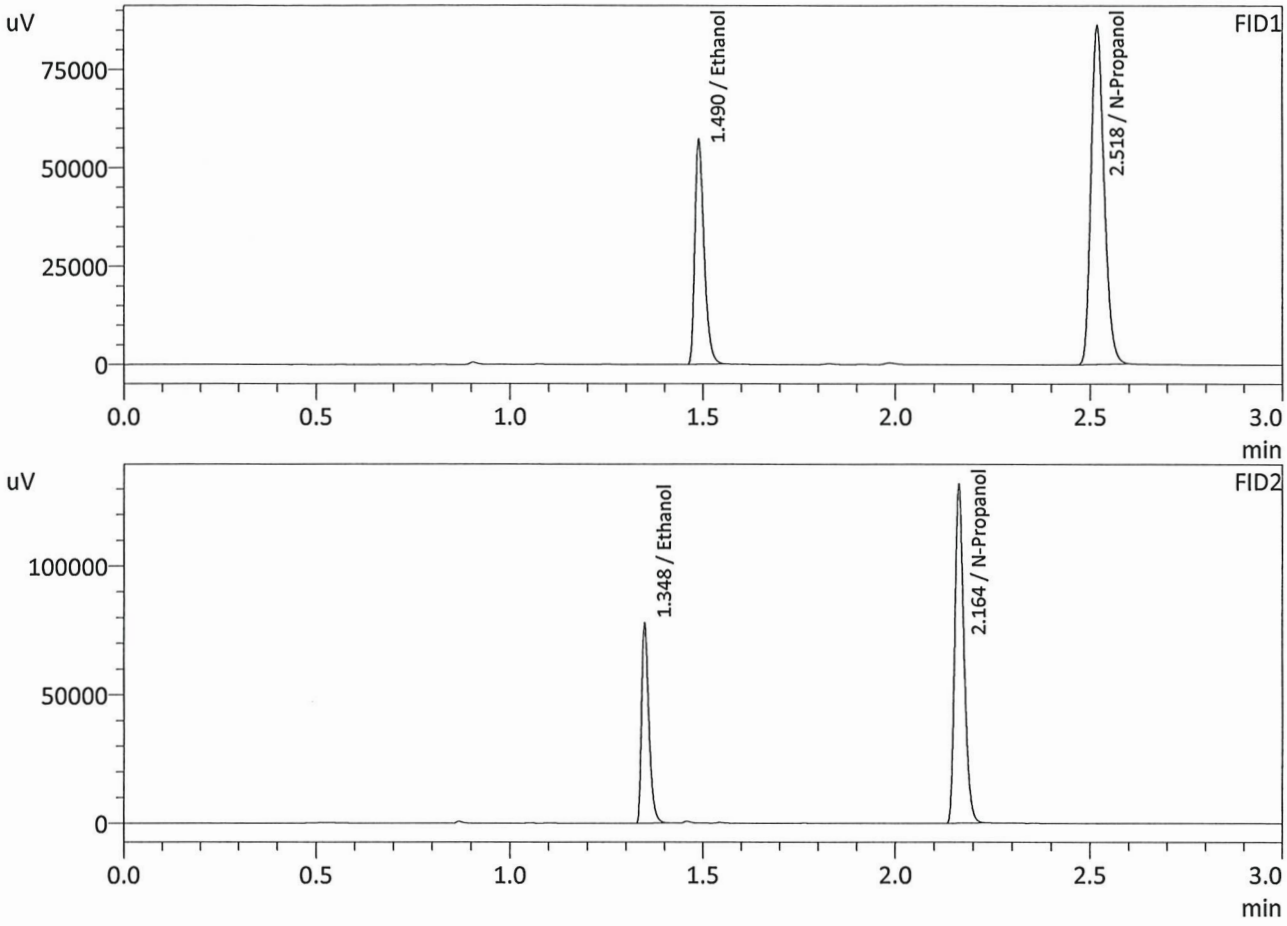
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2105	94806	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204101	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2103	103130	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221133	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 3/4/2024 4:35:10 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2135	94714	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200999	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2131	103044	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217989	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 3/4/2024 7:26:07 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0849	0.0848	0.0001	0.0848	0.0010	0.0843
(g/100cc)	0.0838	0.0838	0.0000	0.0838		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240304JG.gcm

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

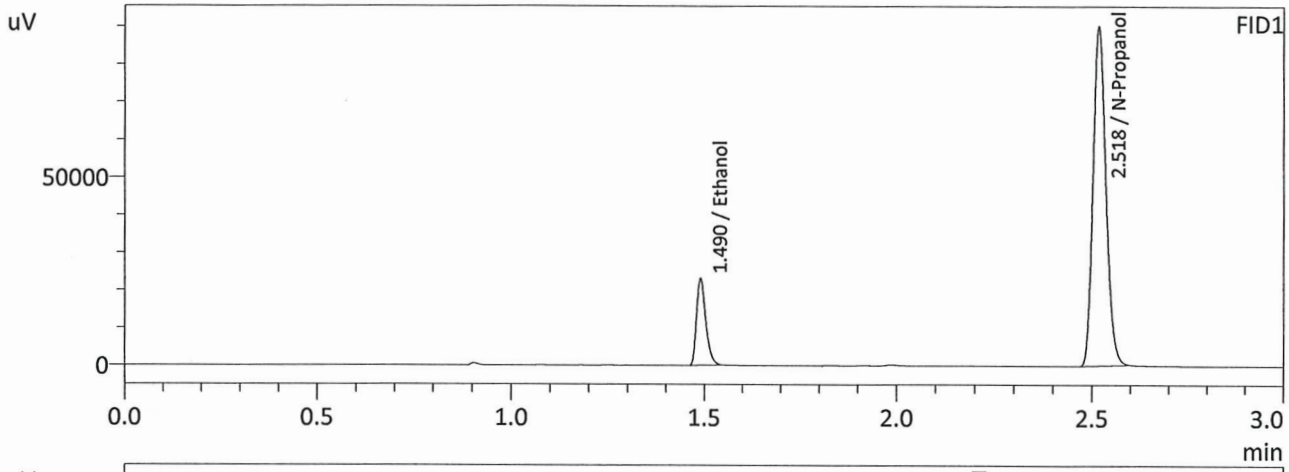
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.084	0.079	0.089	0.005

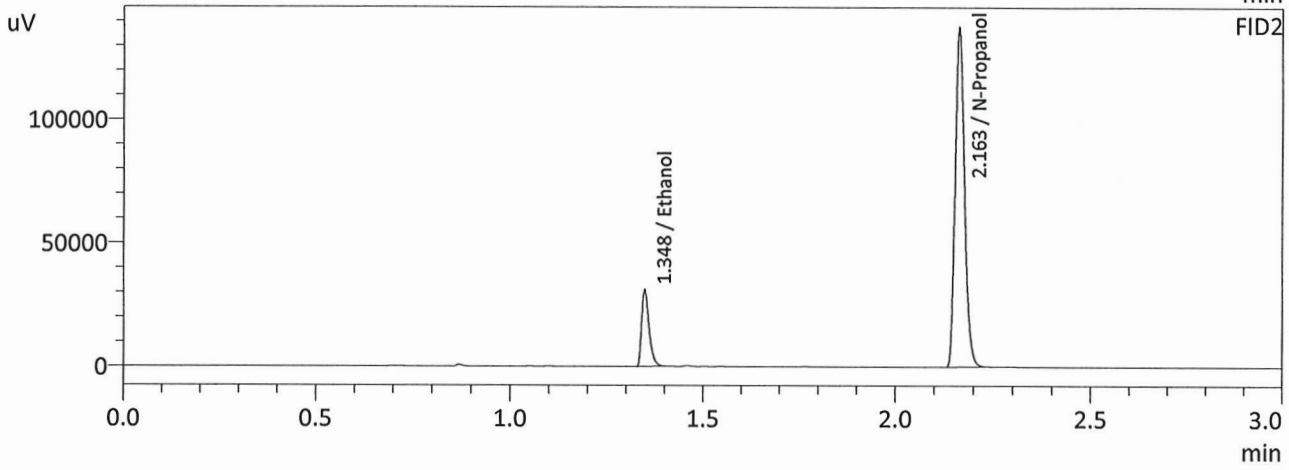
Reported Results
0.084

Calibration and control data are stored centrally.

JL

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 3/4/2024 7:26:07 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

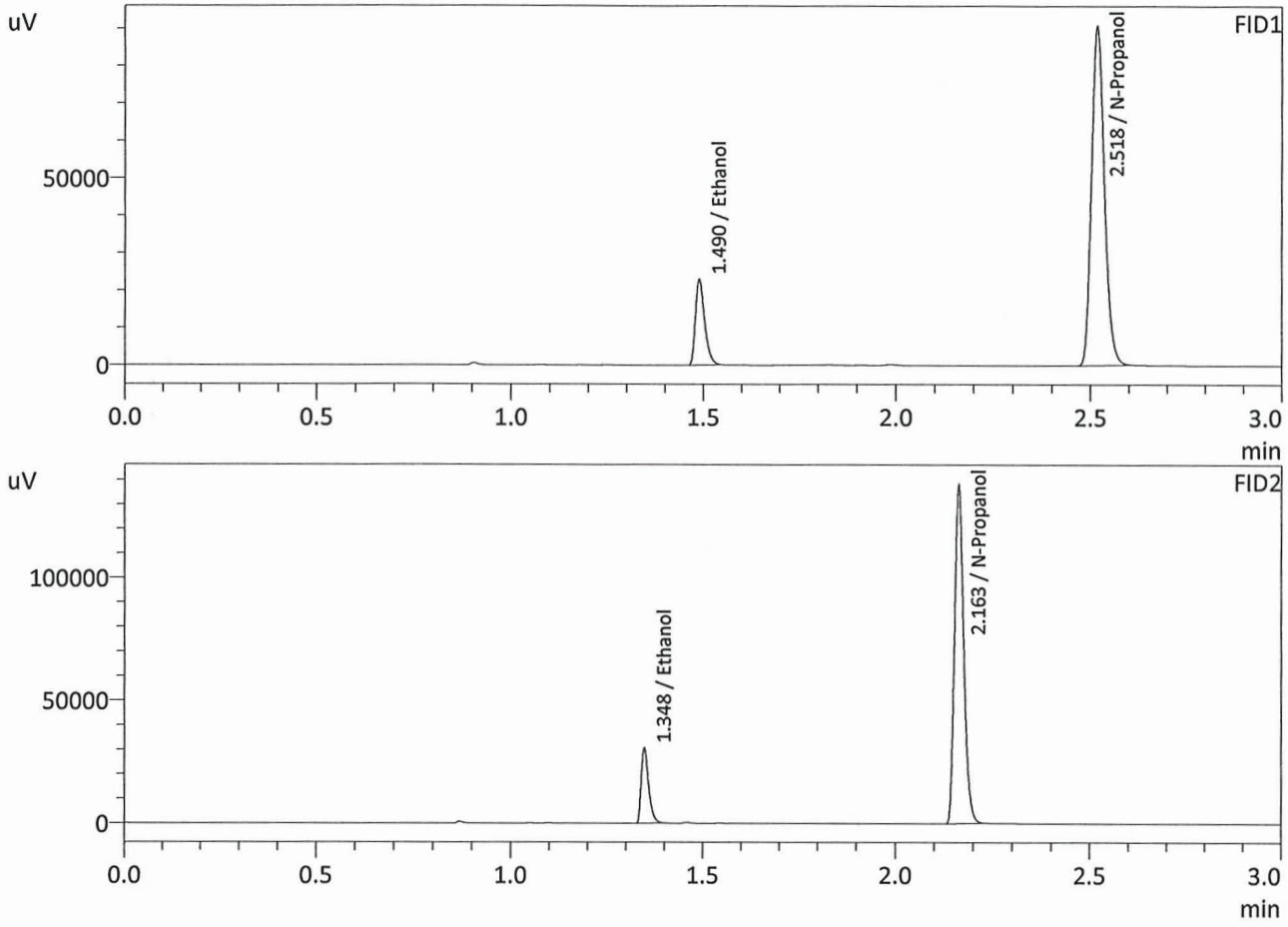
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0849	38360	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209893	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0848	41489	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227839	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 3/4/2024 7:35:29 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0838	38094	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211482	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0838	41151	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228895	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 3/4/2024 8:50:05 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2067	0.2065	0.0002	0.2066	0.0073	0.2102
(g/100cc)	0.2138	0.2140	0.0002	0.2139		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240304JG.gcm

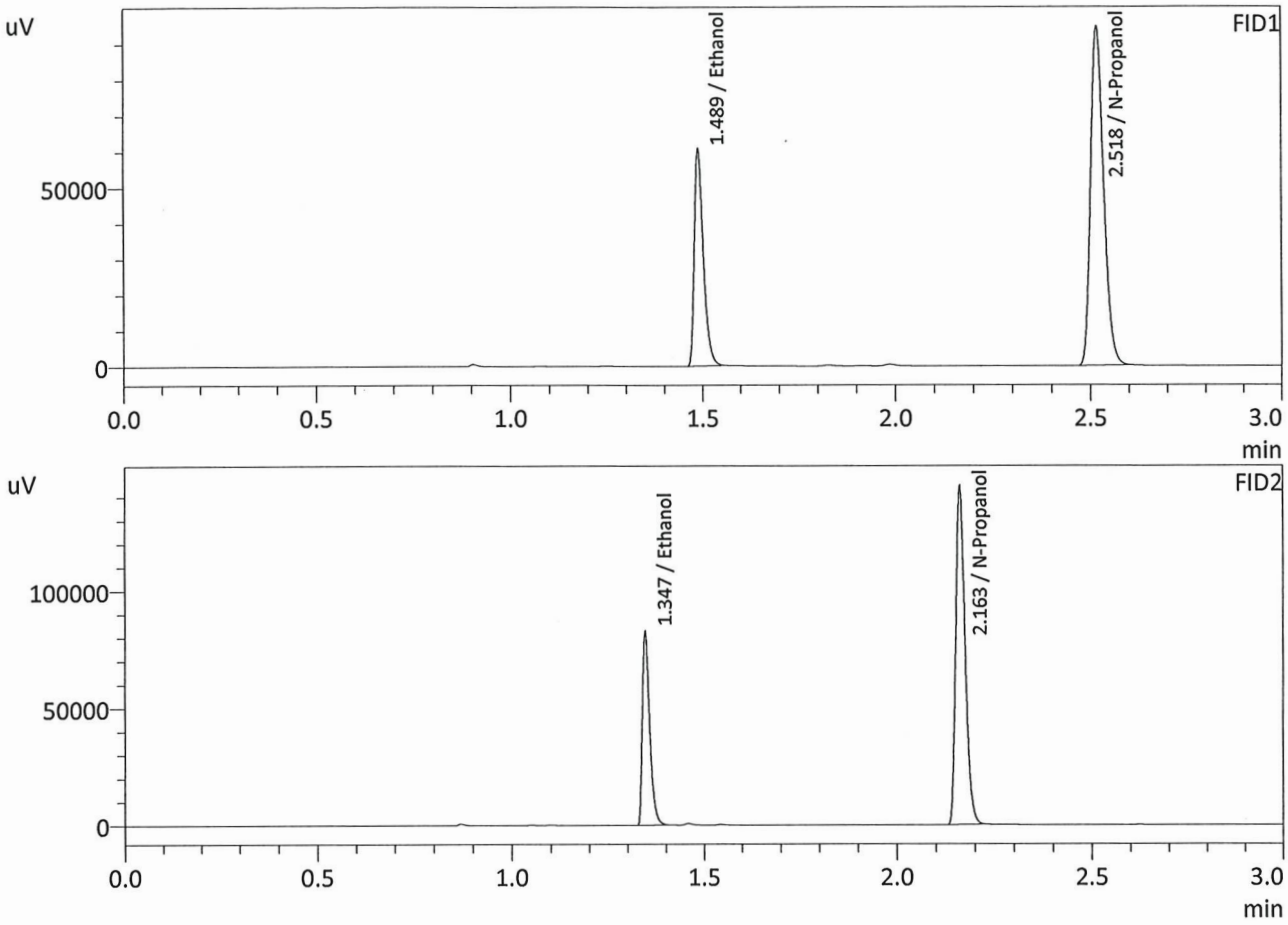
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.210	0.199	0.221	0.011

Reported Results
0.210

Calibration and control data are stored centrally.

JC

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 3/4/2024 8:50:05 PM
Vial # : 57
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

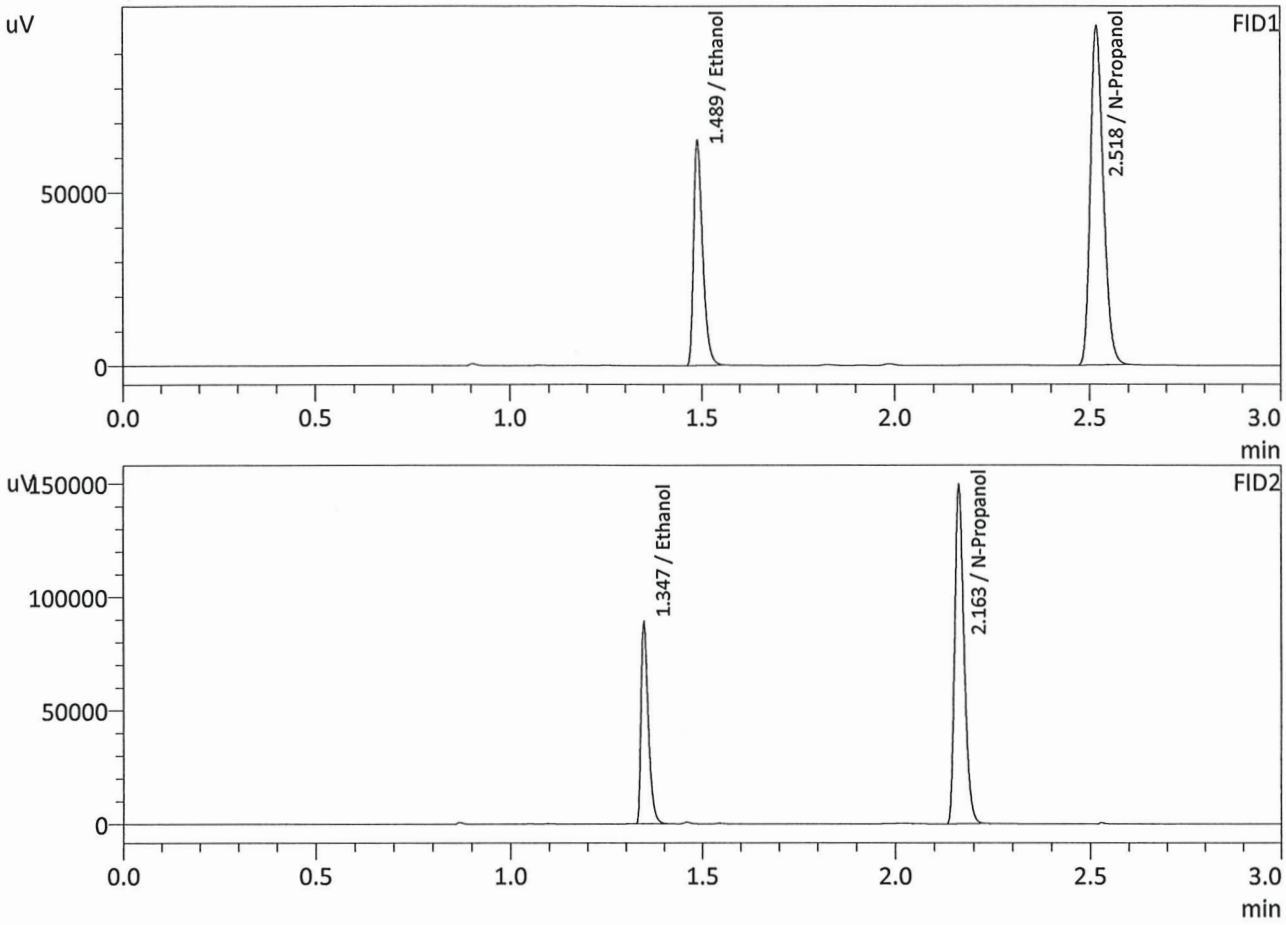
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2067	100764	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221041	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2065	109422	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	239000	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 3/4/2024 8:57:25 PM
Vial # : 58
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

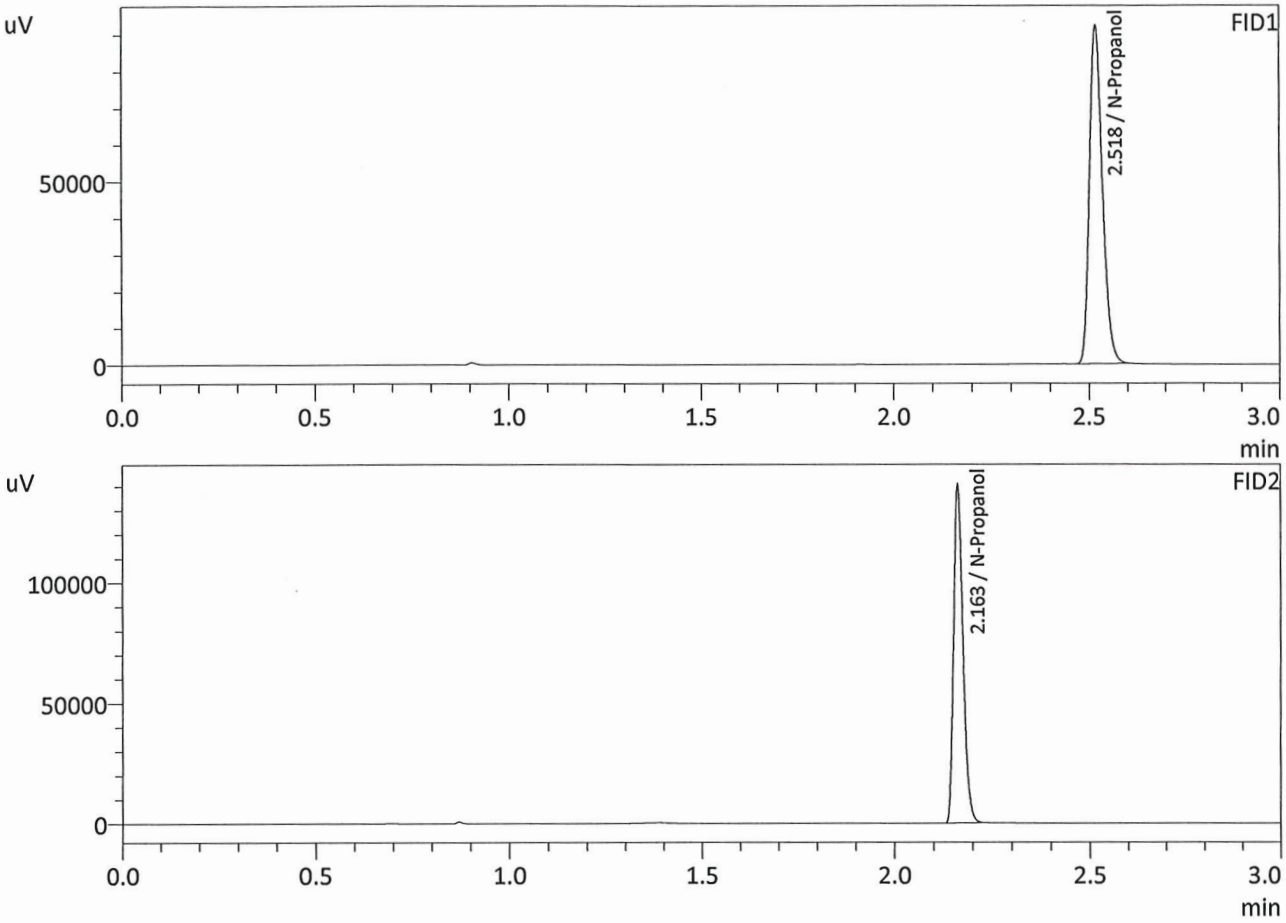
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2138	107433	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	227641	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2140	117087	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	246696	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : ISTD BLK 2
Laboratory : Meridian
Injection Date : 3/4/2024 9:05:24 PM
Vial # : 59
Method Filename : Default Project - ALCOHOL_240304JG.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	215385	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	233021	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	ISTD BLK 1	0:Unknown	0	ALCOHOL 240304JG.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240304JG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240304JG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240304JG.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 240304JG.gcm
7	M2024-0718-1	0:Unknown	0	ALCOHOL 240304JG.gcm
8	M2024-0718-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
9	M2024-0726-1	0:Unknown	0	ALCOHOL 240304JG.gcm
10	M2024-0726-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
11	M2024-0730-1	0:Unknown	0	ALCOHOL 240304JG.gcm
12	M2024-0730-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
13	M2024-0738-1	0:Unknown	0	ALCOHOL 240304JG.gcm
14	M2024-0738-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
15	M2024-0741-1	0:Unknown	0	ALCOHOL 240304JG.gcm
16	M2024-0741-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
17	M2024-0742-1	0:Unknown	0	ALCOHOL 240304JG.gcm
18	M2024-0742-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
19	M2024-0743-1	0:Unknown	0	ALCOHOL 240304JG.gcm
20	M2024-0743-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
21	M2024-0745-1	0:Unknown	0	ALCOHOL 240304JG.gcm
22	M2024-0745-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
23	M2024-0746-3	0:Unknown	0	ALCOHOL 240304JG.gcm
24	M2024-0746-3-B	0:Unknown	0	ALCOHOL 240304JG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240304JG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
27	M2024-0755-5	0:Unknown	0	ALCOHOL 240304JG.gcm
28	M2024-0755-5-B	0:Unknown	0	ALCOHOL 240304JG.gcm
29	M2024-0776-2	0:Unknown	0	ALCOHOL 240304JG.gcm
30	M2024-0776-2-B	0:Unknown	0	ALCOHOL 240304JG.gcm
31	M2024-0794-1	0:Unknown	0	ALCOHOL 240304JG.gcm
32	M2024-0794-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
33	M2024-0822-1	0:Unknown	0	ALCOHOL 240304JG.gcm
34	M2024-0822-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
35	M2024-0839-1	0:Unknown	0	ALCOHOL 240304JG.gcm
36	M2024-0839-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
37	M2024-0840-1	0:Unknown	0	ALCOHOL 240304JG.gcm
38	M2024-0840-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
39	M2024-0841-1	0:Unknown	0	ALCOHOL 240304JG.gcm
40	M2024-0841-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
41	M2024-0842-1	0:Unknown	0	ALCOHOL 240304JG.gcm
42	M2024-0842-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
43	M2024-0851-1	0:Unknown	0	ALCOHOL 240304JG.gcm
44	M2024-0851-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
45	M2024-0852-1	0:Unknown	0	ALCOHOL 240304JG.gcm
46	M2024-0852-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 240304JG.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 240304JG.gcm
49	M2024-0853-1	0:Unknown	0	ALCOHOL 240304JG.gcm
50	M2024-0853-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
51	M2024-0854-1	0:Unknown	0	ALCOHOL 240304JG.gcm
52	M2024-0854-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
53	M2024-0855-1	0:Unknown	0	ALCOHOL 240304JG.gcm
54	M2024-0855-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
55	M2024-0905-1	0:Unknown	0	ALCOHOL 240304JG.gcm
56	M2024-0905-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
57	QC-2-2	0:Unknown	0	ALCOHOL 240304JG.gcm
58	QC-2-2-B	0:Unknown	0	ALCOHOL 240304JG.gcm
59	ISTD BLK 2	0:Unknown	0	ALCOHOL 240304JG.gcm

Rerun C with next sample

JC