REVIEWED

By Melissa (Nikka) Bradley at 11:18 am, May 14, 2024

MB

5/14/2024

Worklist: 6818

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-1781	1	BCK	Alcohol Analysis
M2024-1783	1	BCK	Alcohol Analysis
M2024-1800	1	BCK	Alcohol Analysis
M2024-1801	1	BCK	Alcohol Analysis
M2024-1802	1	BCK	Alcohol Analysis
M2024-1805	1	BCK	Alcohol Analysis
M2024-1814	1	BCK	Alcohol Analysis
M2024-1815	1	BCK	Alcohol Analysis
M2024-1816	1	BCK	Alcohol Analysis
M2024-1844	1	BCK	Alcohol Analysis
M2024-1846	1	BCK	Alcohol Analysis
M2024-1851	1	BCK	Alcohol Analysis
M2024-1852	1	BCK	Alcohol Analysis
M2024-1859	2	BCK	Alcohol Analysis
M2024-1860	1	BCK	Alcohol Analysis
M2024-1896	1	BCK	Alcohol Analysis
M2024-1900	1	BCK	Alcohol Analysis
M2024-1903	1	BCK	Alcohol Analysis
M2024-1910	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): 5/13/2024** | **Calibration Date: 5/2/2024** | **Worklist #: 6818**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0785 g/100cc
					0.0835 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2081 g/100cc
					0.2112 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		**Column 1**	0.99994	**Column2**	0.99993

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0492	0.0492	0	0.0492
100	0.100	0.090 - 0.110	0.1015	0.1017	0.0002	0.1016
200	0.200	0.180 - 0.220	0.2001	0.2000	1E-04	0.2
300	0.300	0.270 - 0.330	0.2983	0.2980	0.0003	0.2981
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5007	0.5008	1E-04	0.5007

Aqueous Controls

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

Internal Standard Monitoring Worksheet

Worklist #:	6818	Run Date(s):	5/13/2024

Internal Standard Solution:	Prep Date: 3/13/2024	Exp Date: 9/16/204

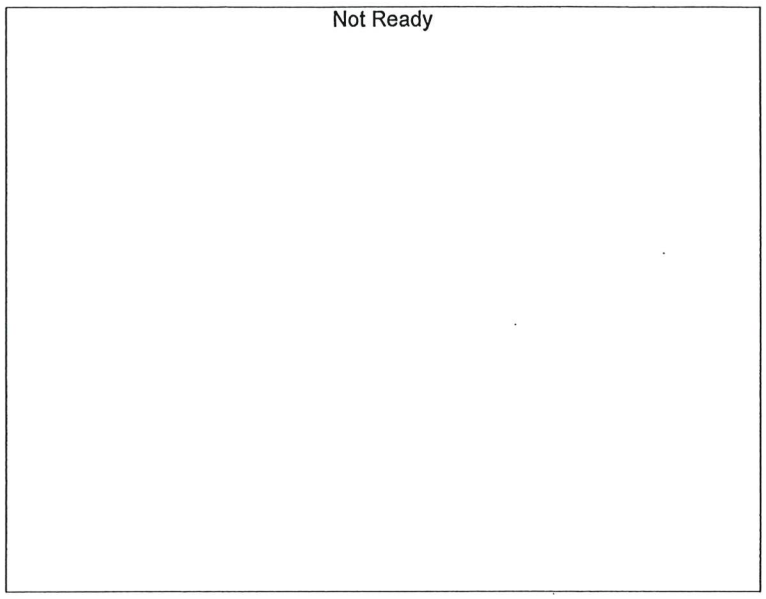
Sample Name	Column 1 Value	Column 2 Value
0.080	183077	196678
0.080	184174	197766
QC1	184244	197386
QC1	186350	199873
QC1	204431	220573
QC1	211588	228384
QC1		
QC1		
QC2	204890	221181
QC2	202949	219151
QC2	209100	225907
QC2	221349	239205
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	199215.2	159372.2	239058.2
Column 2	214610.4	171688.3	257532.5

Calibration Table

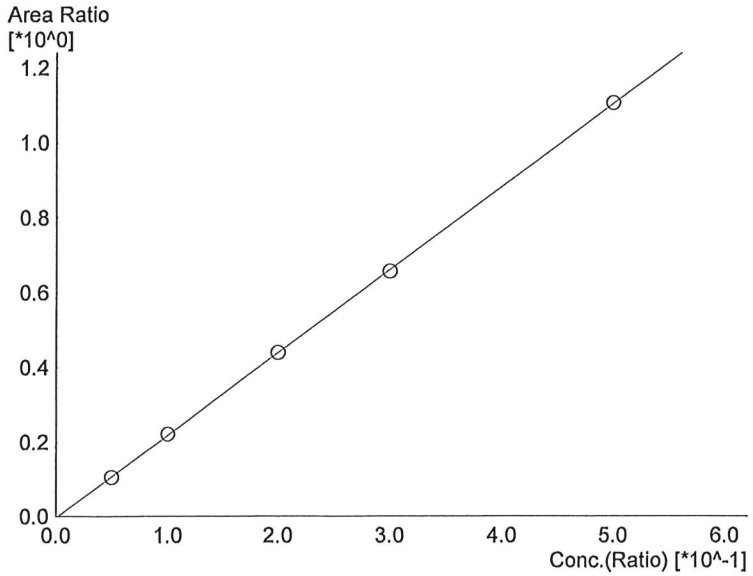
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_240502_GG.gcm
Batch File :Default Project - CALCURVE_240502_GG.gcb
Date Acquired :5/2/2024 11:49:16 AM
Date Created :5/2/2024 11:44:25 AM
Date Modified :5/2/2024 12:15:04 PM



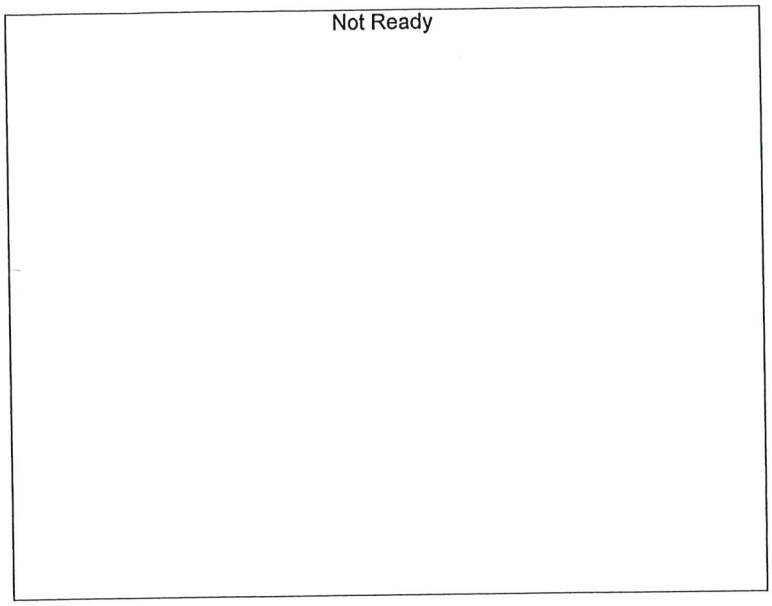
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



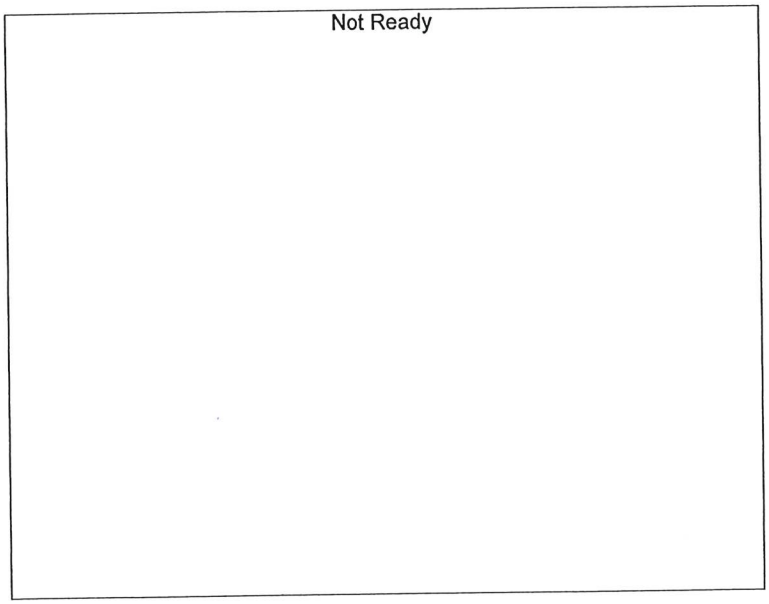
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.21557*x-0.00401173
R^2 value= 0.9999490
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19117	0.0492
2	0.100	41087	0.1015
3	0.200	78722	0.2001
4	0.300	117359	0.2983
5	0.500	206640	0.5007



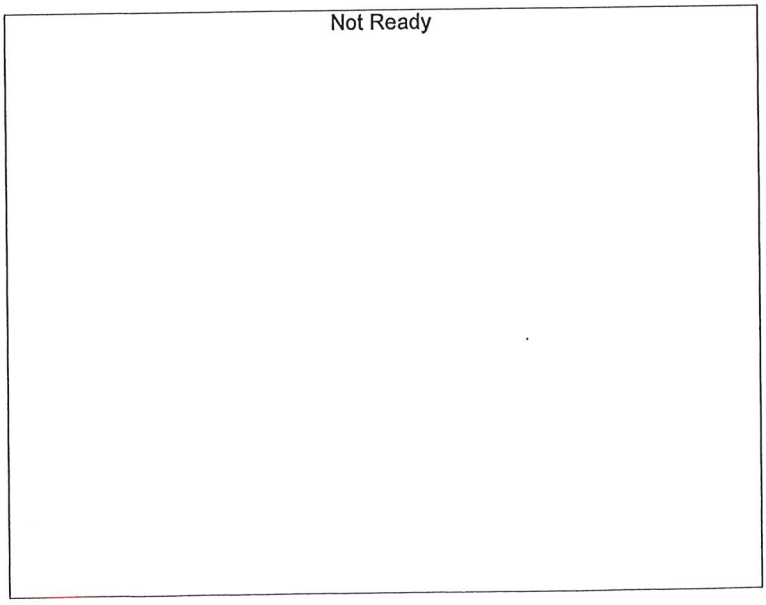
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



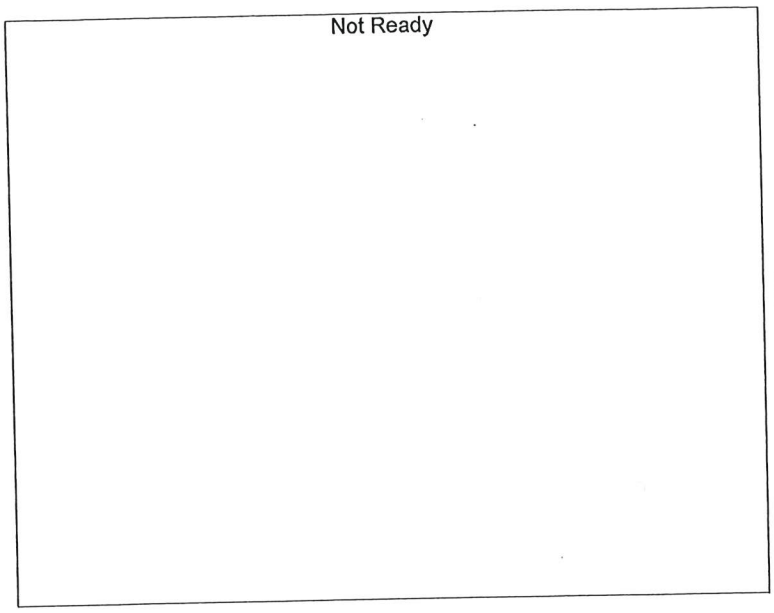
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



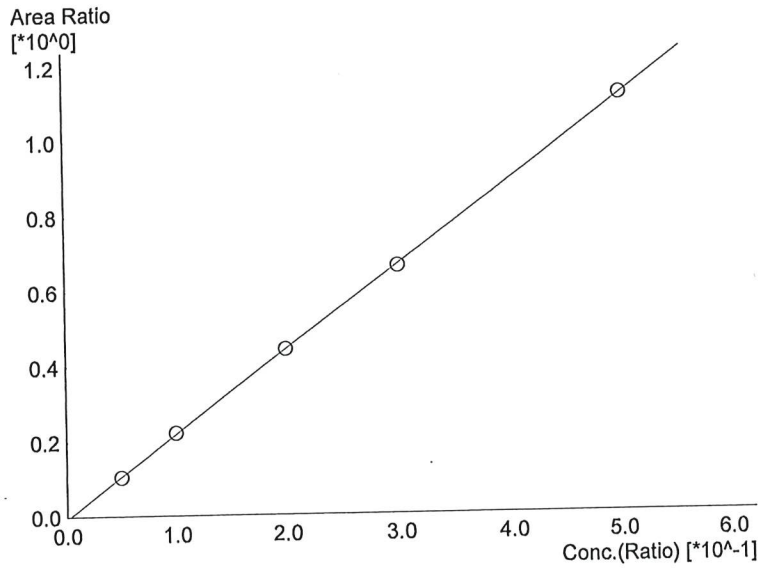
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



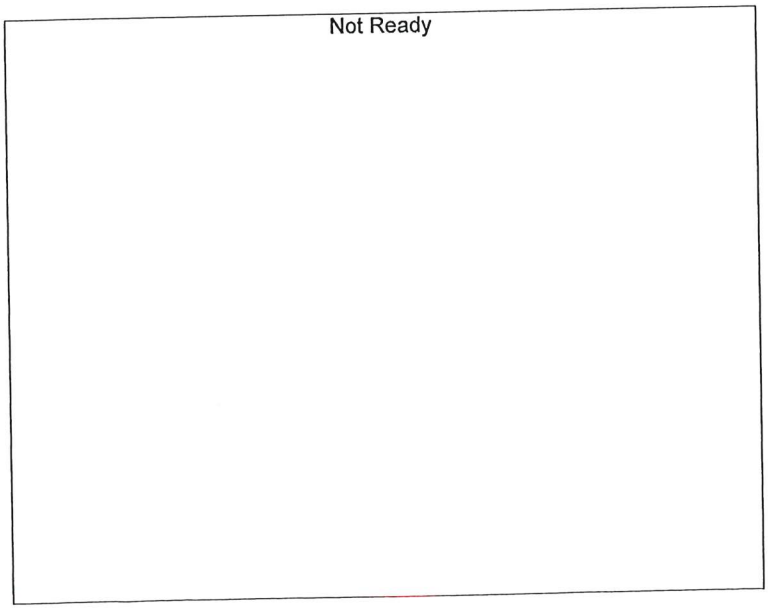
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



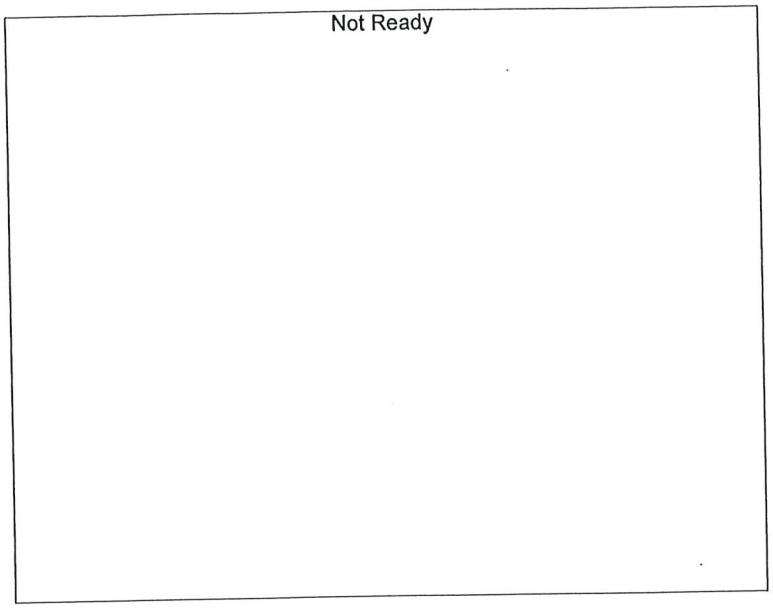
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.24410*x-0.00689831
R^2 value= 0.9999390
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20183	0.0492
2	0.100	44120	0.1017
3	0.200	84759	0.2000
4	0.300	126716	0.2980
5	0.500	223835	0.5008



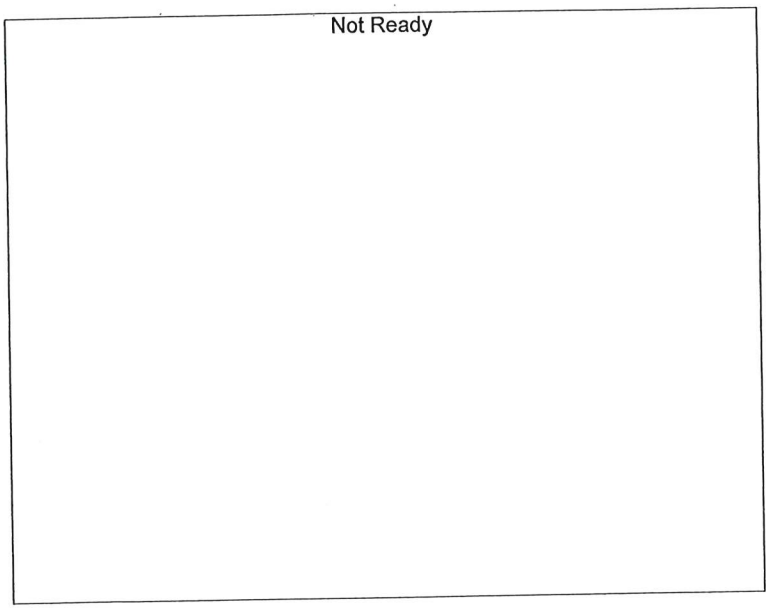
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

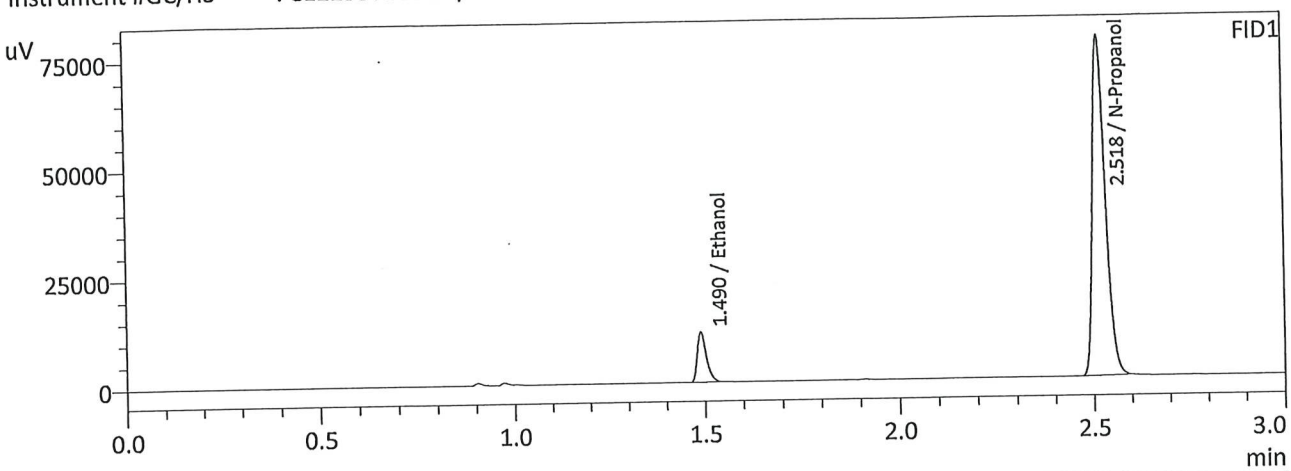
#	Conc.	Area	Std. Conc.

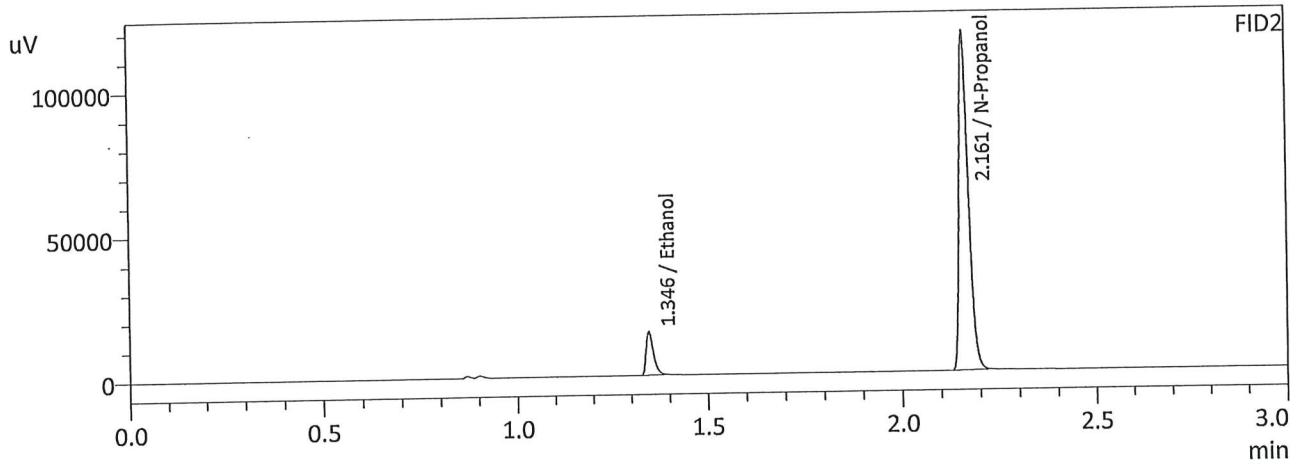


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 5/2/2024 11:18:03 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





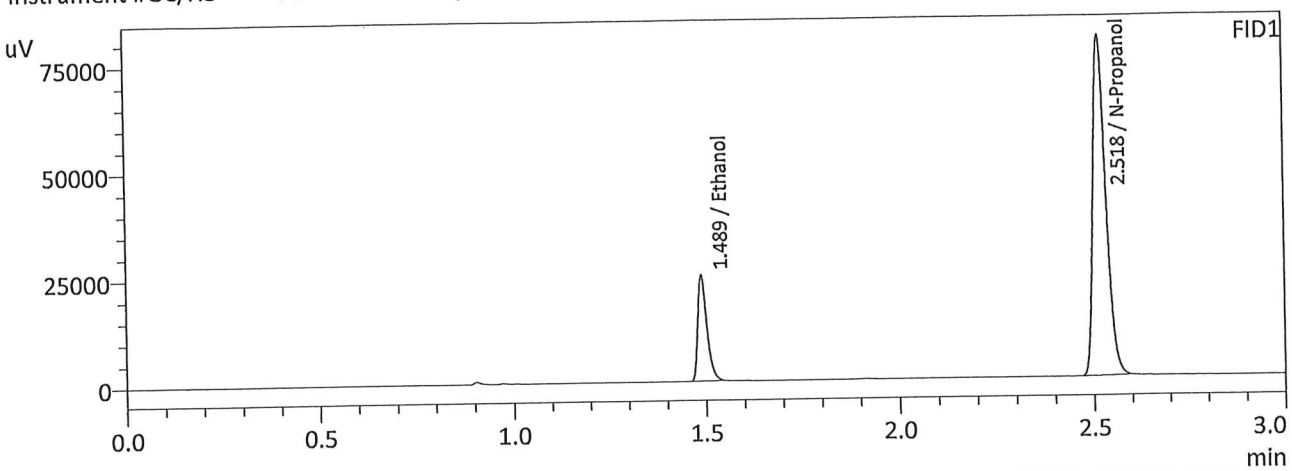
FID1

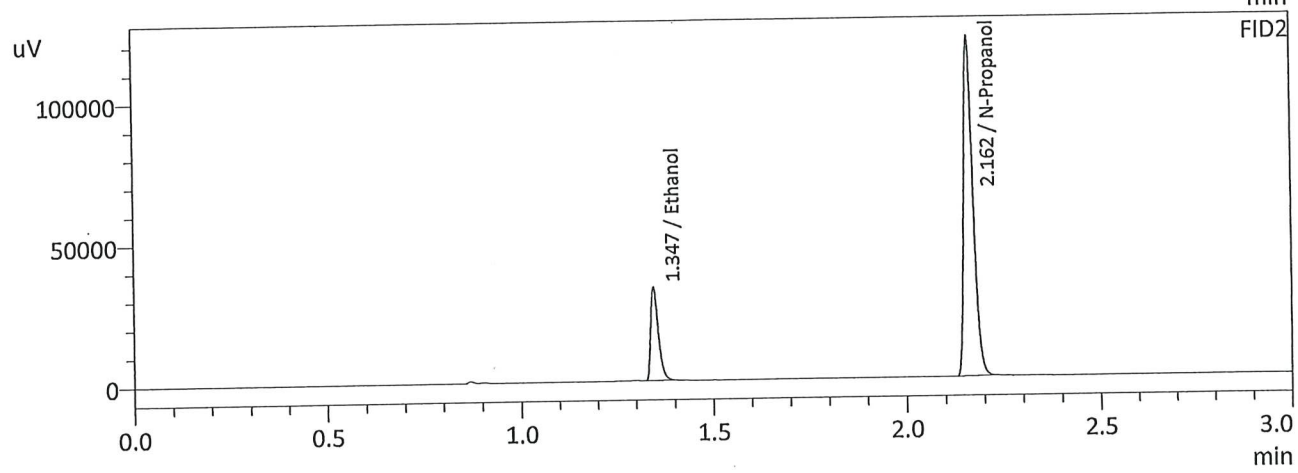
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0492	19117	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	182002	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0492	20183	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194729	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 5/2/2024 11:25:25 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





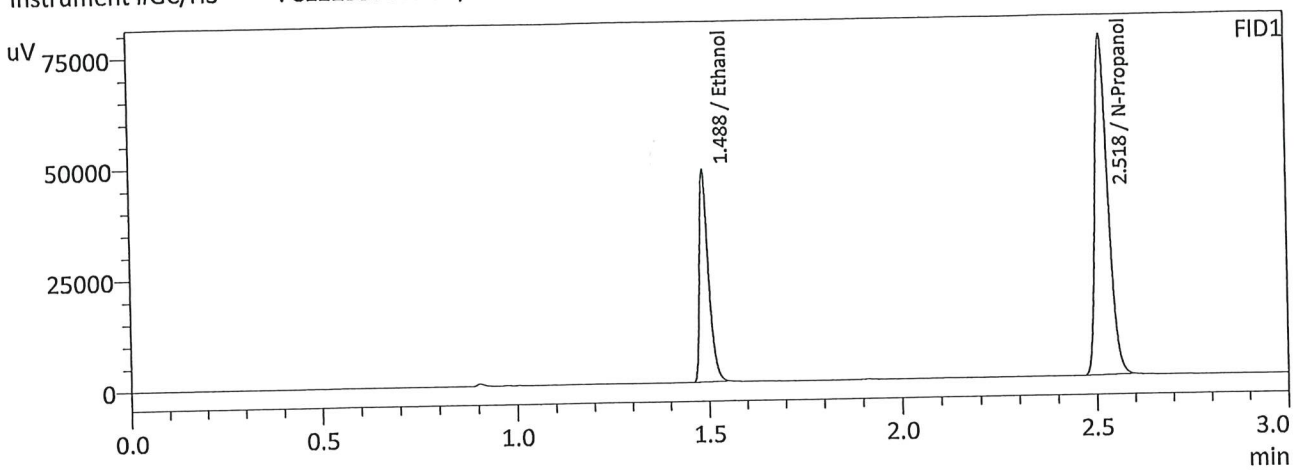
FID1

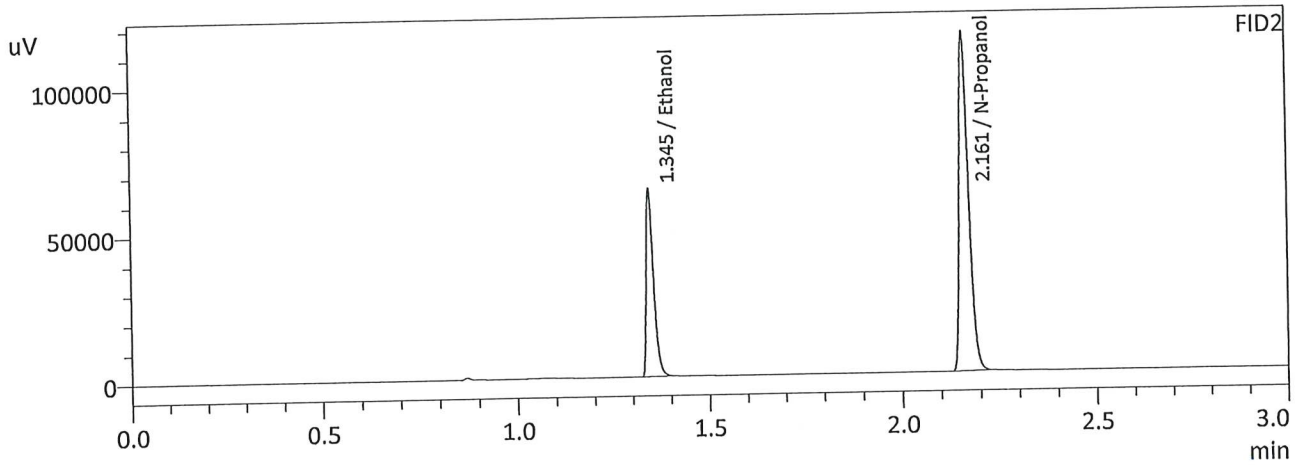
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1015	41087	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185852	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1017	44120	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199317	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 5/2/2024 11:33:00 AM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

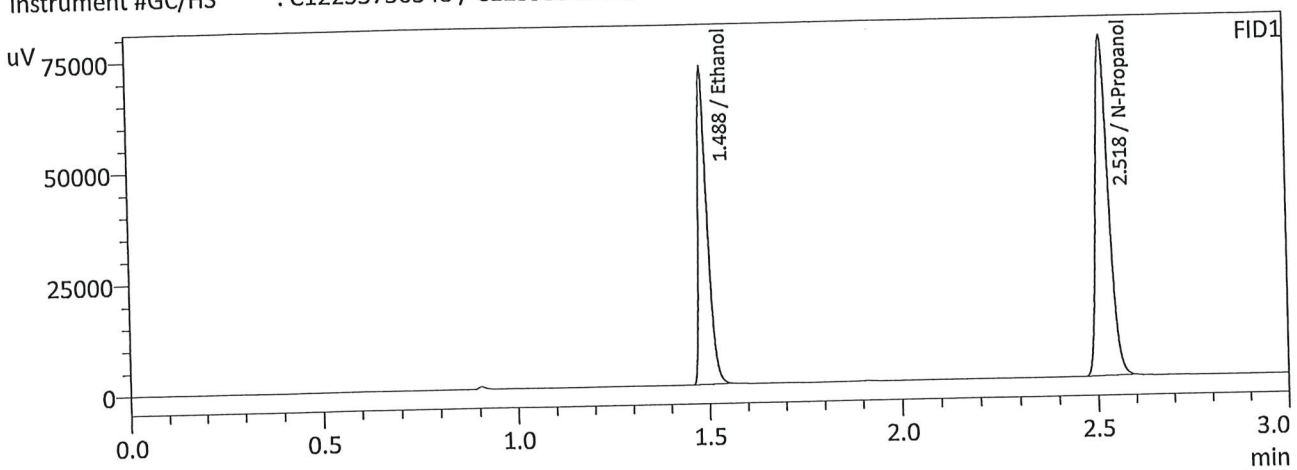
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2001	78722	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	179126	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

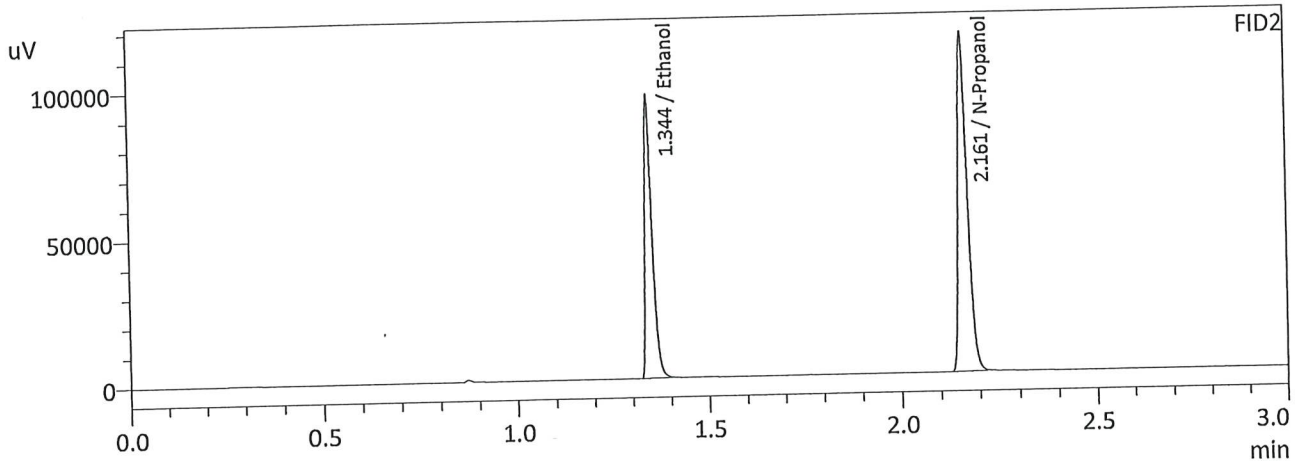
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2000	84759	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191705	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 5/2/2024 11:41:22 AM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

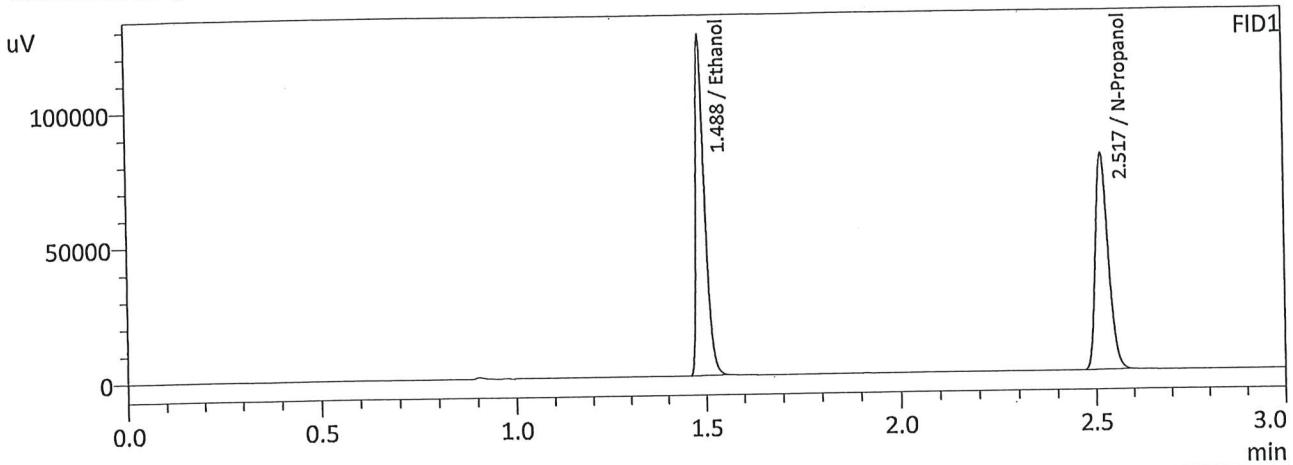
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2983	117359	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	178651	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

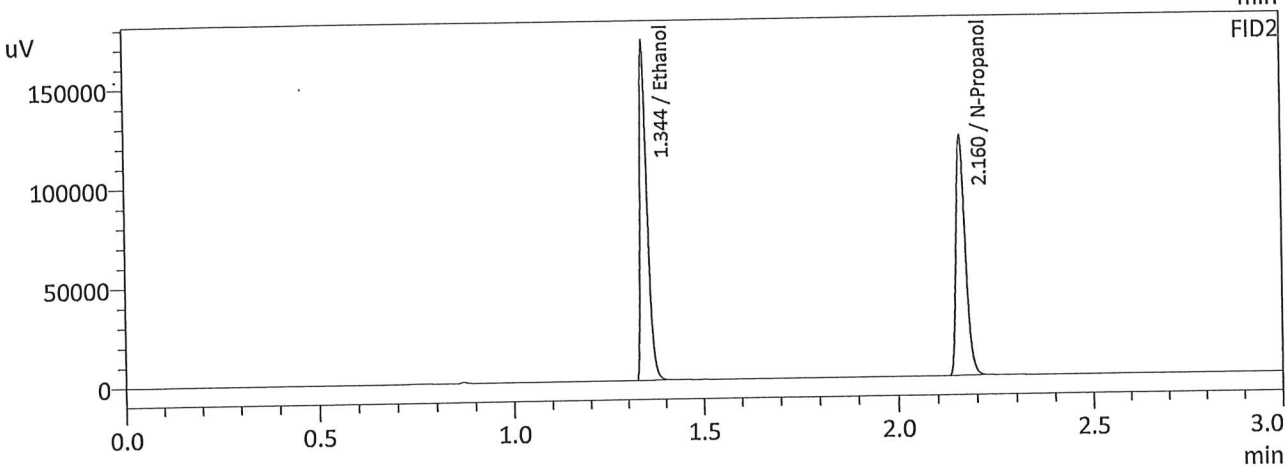
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2980	126716	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191396	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 5/2/2024 11:49:16 AM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





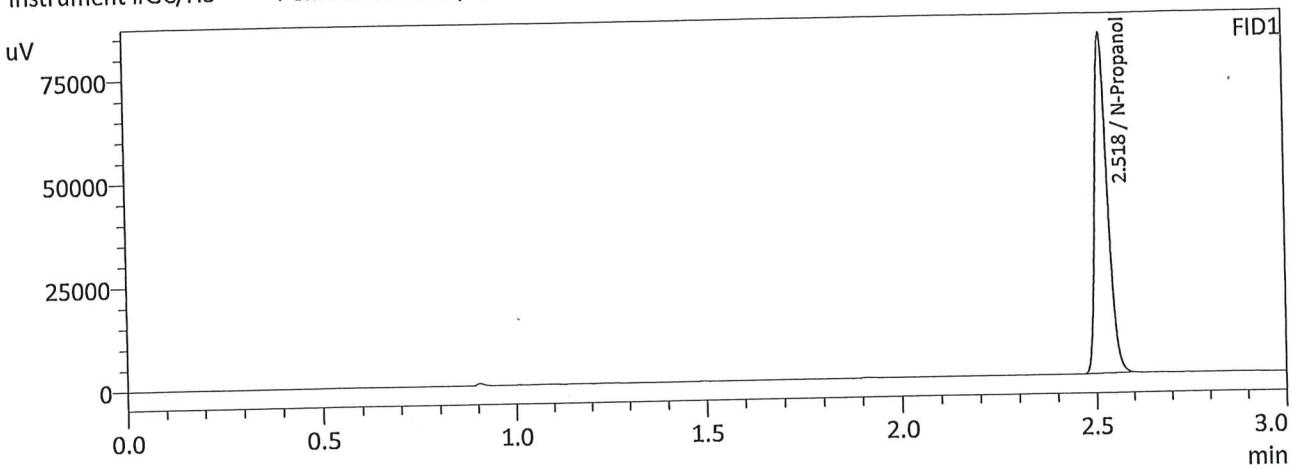
FID1

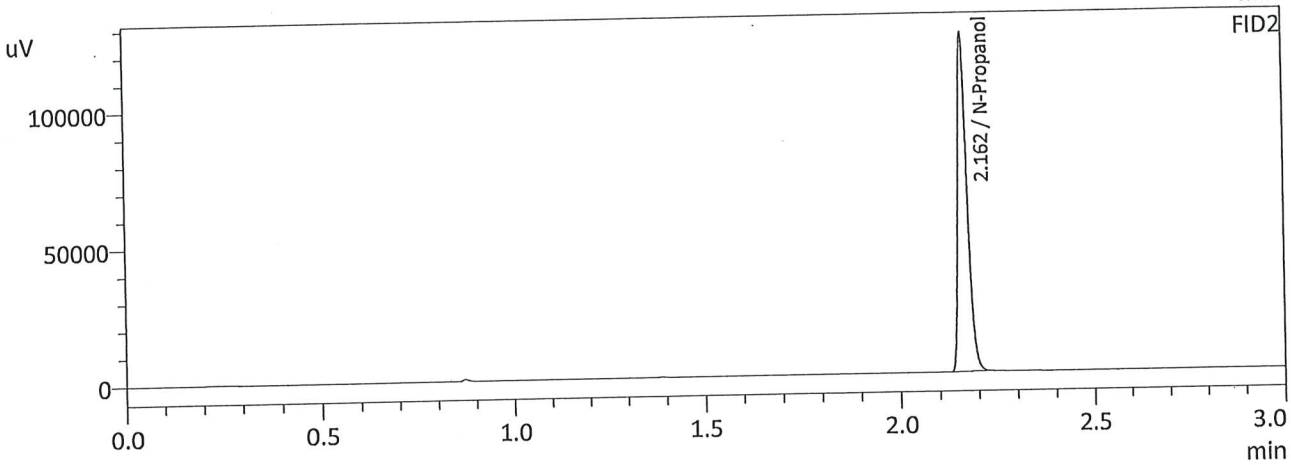
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5007	206640	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186948	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5008	223835	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200385	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 5/2/2024 11:57:42 AM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240502_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	191820	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	206225	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

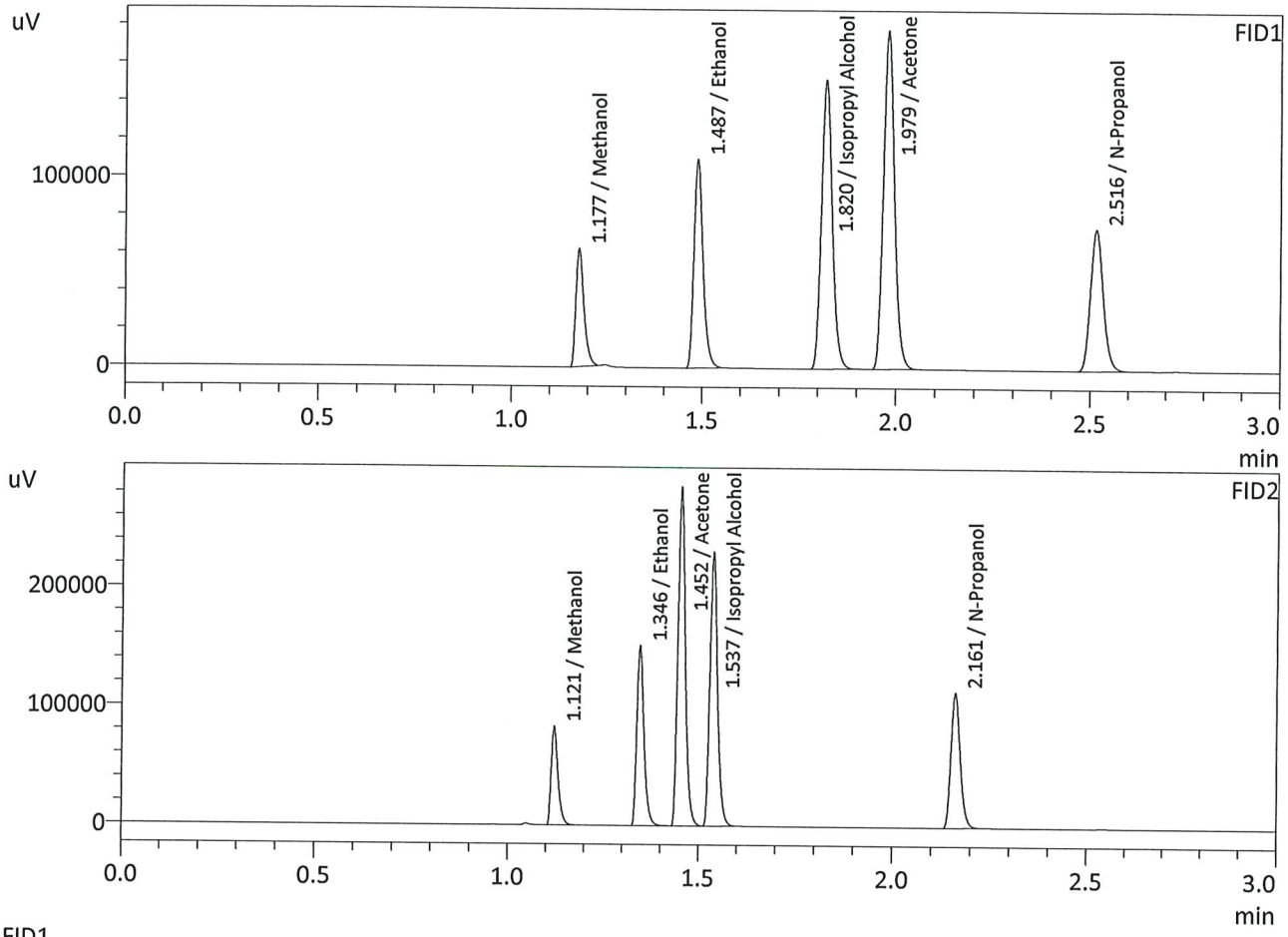
W

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 240502 GG.gcm
2	0.100	1:Standard	2	ALCOHOL 240502 GG.gcm
3	0.200	1:Standard	3	ALCOHOL 240502 GG.gcm
4	0.300	1:Standard	4	ALCOHOL 240502 GG.gcm
5	0.500	1:Standard	5	ALCOHOL 240502 GG.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 240502 GG.gcm

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 5/13/2024 3:52:23 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	90742	g/100cc
Ethanol	0.4729	181881	g/100cc
Isopropyl Alcohol	0.0000	296238	g/100cc
Acetone	0.0000	349595	g/100cc
N-Propanol	0.0000	174255	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	102308	g/100cc
Ethanol	0.4748	198836	g/100cc
Acetone	0.0000	383254	g/100cc
Isopropyl Alcohol	0.0000	320504	g/100cc
N-Propanol	0.0000	187805	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 5/13/2024 4:00:05 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0783	0.0785	0.0002	0.0784	0.0003	0.0785
(g/100cc)	0.0786	0.0788	0.0002	0.0787		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240502_GG.gcm

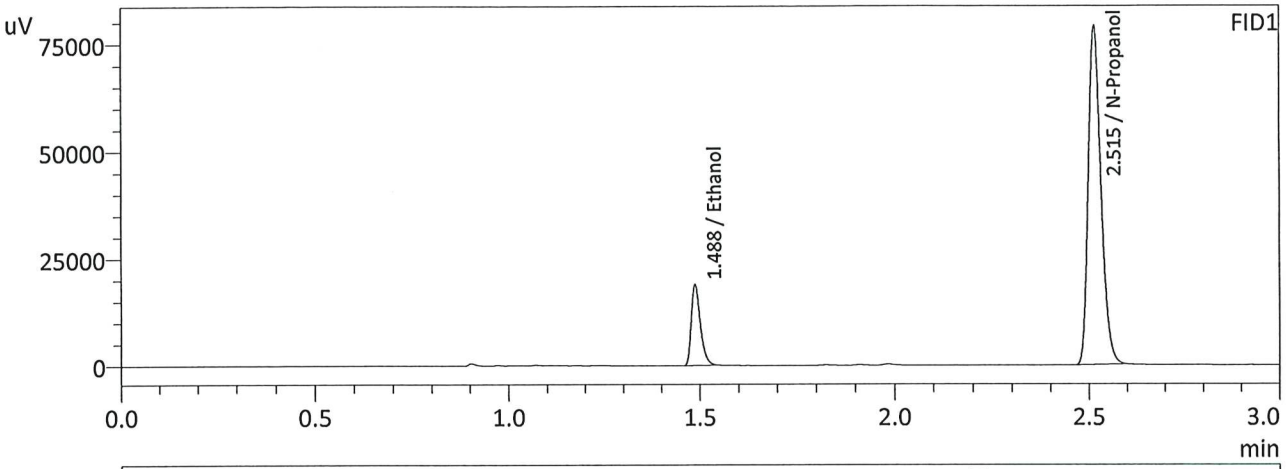
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

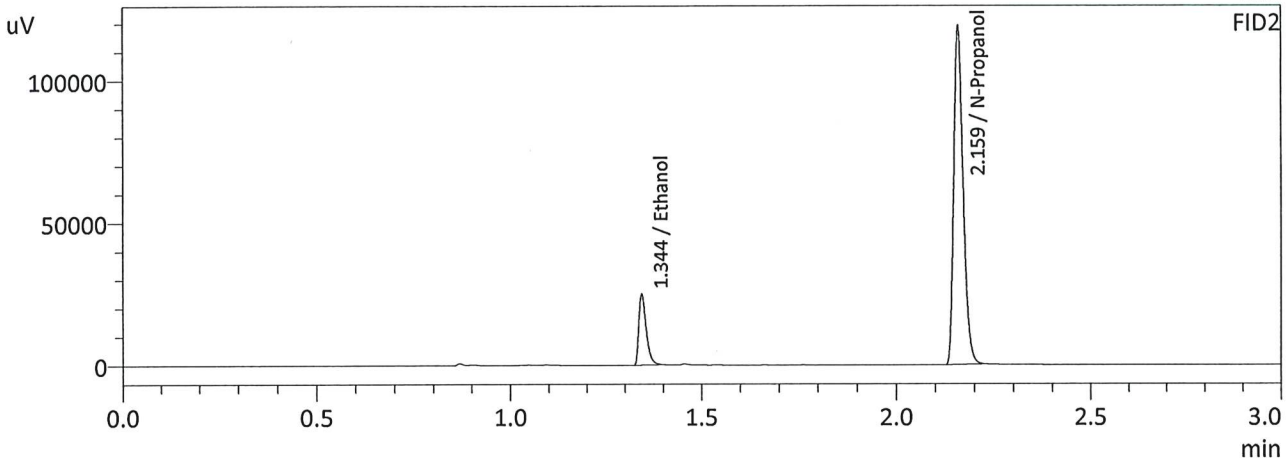
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.078	0.074	0.082	0.004

Reported Results
0.078

Calibration and control data are stored centrally.

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 5/13/2024 4:00:05 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





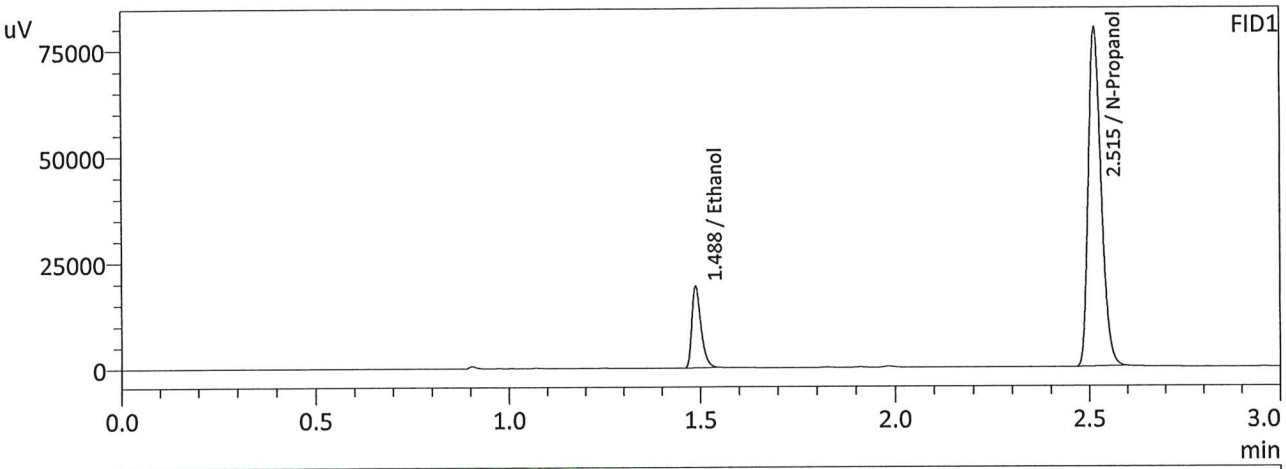
FID1

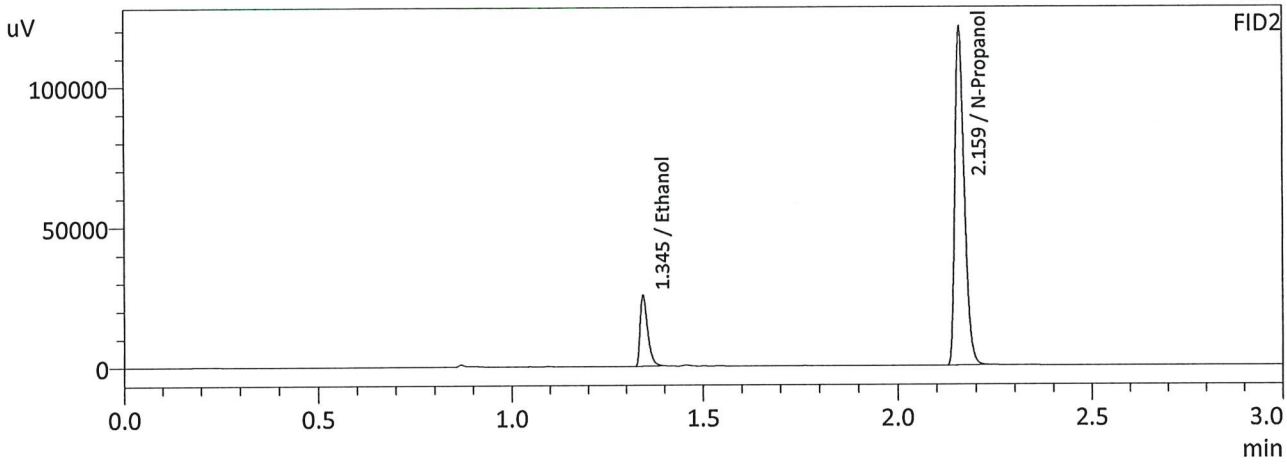
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0783	31258	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184244	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0785	33445	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197386	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 5/13/2024 4:08:32 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0786	31731	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186350	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	33972	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199873	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 5/13/2024 4:16:19 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0790	0.0793	0.0003	0.0791	0.0021	0.0802
(g/100cc)	0.0812	0.0813	0.0001	0.0812		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240502_GG.gcm

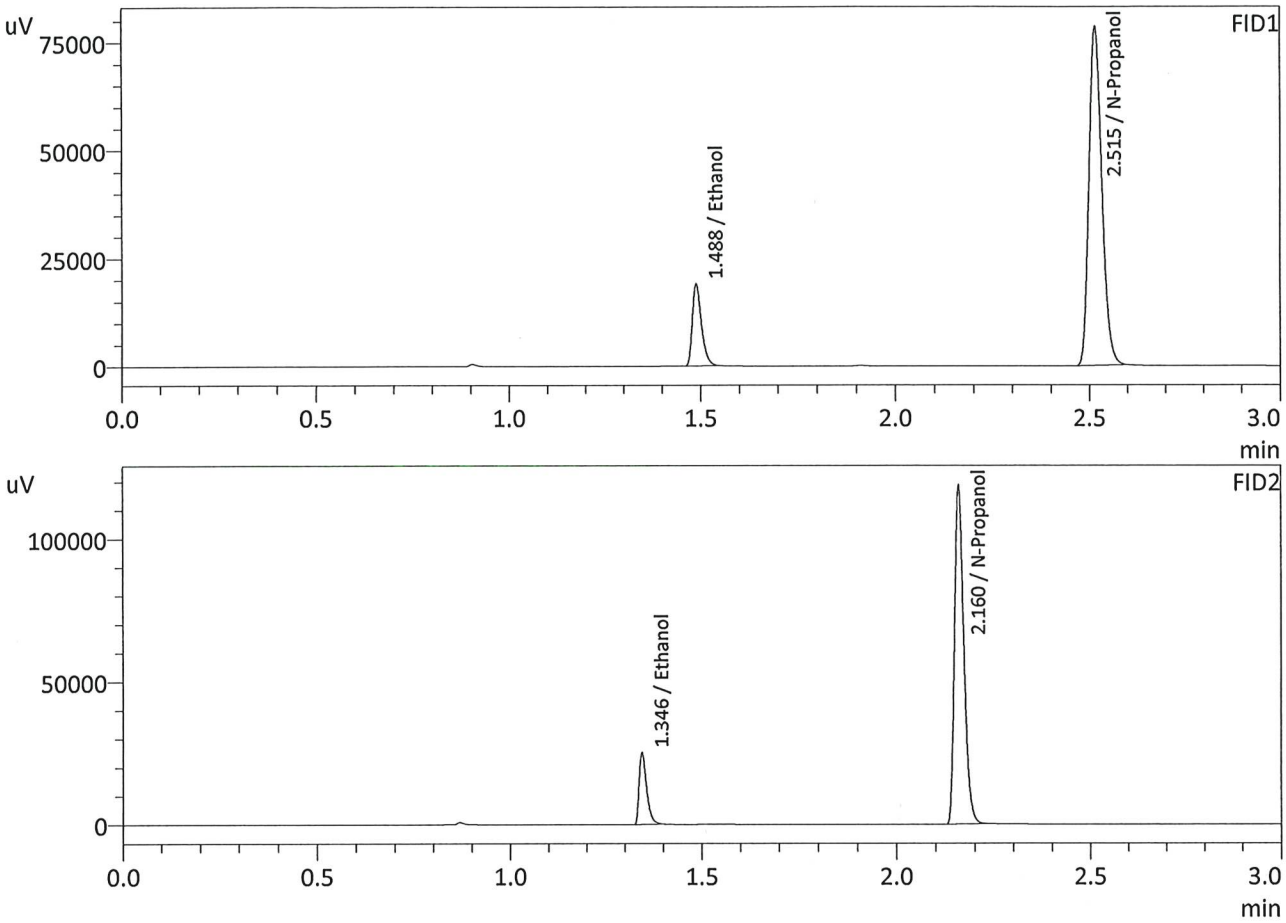
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results
0.080

Calibration and control data are stored centrally.

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 5/13/2024 4:16:19 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

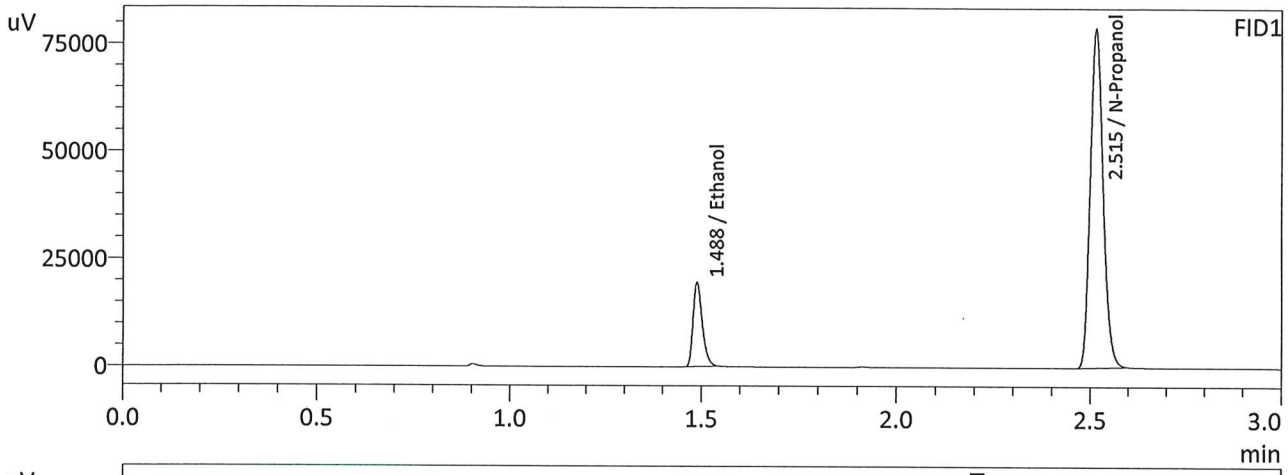
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0790	31347	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183077	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

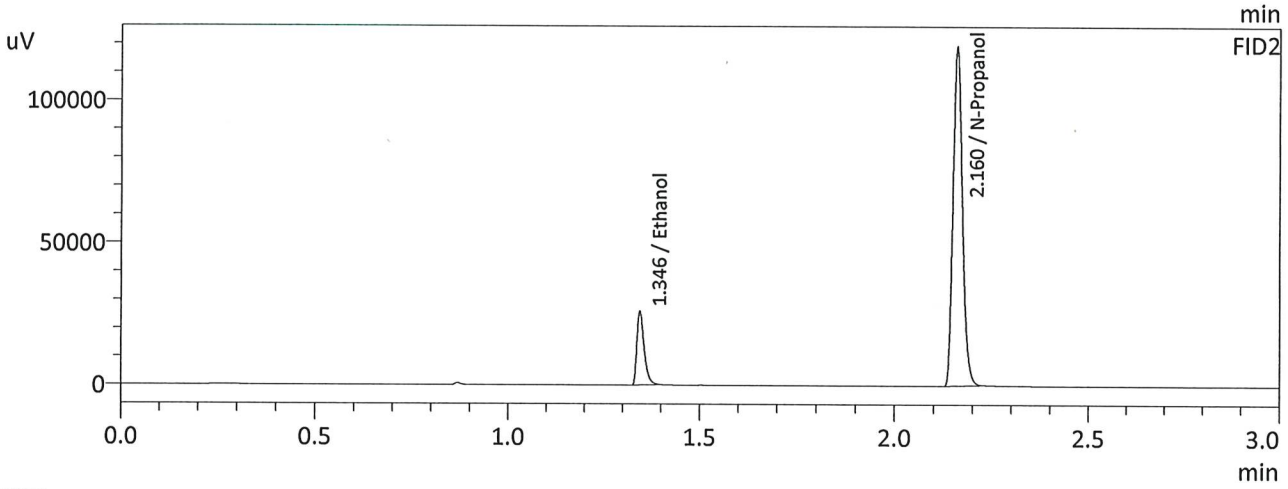
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0793	33661	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	196678	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 5/13/2024 4:24:43 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0812	32399	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184174	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	34758	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197766	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2 **Analysis Date(s): 5/13/2024 9:56:57 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0834	0.0837	0.0003	0.0835	0.0000	0.0835
(g/100cc)	0.0835	0.0836	0.0001	0.0835		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

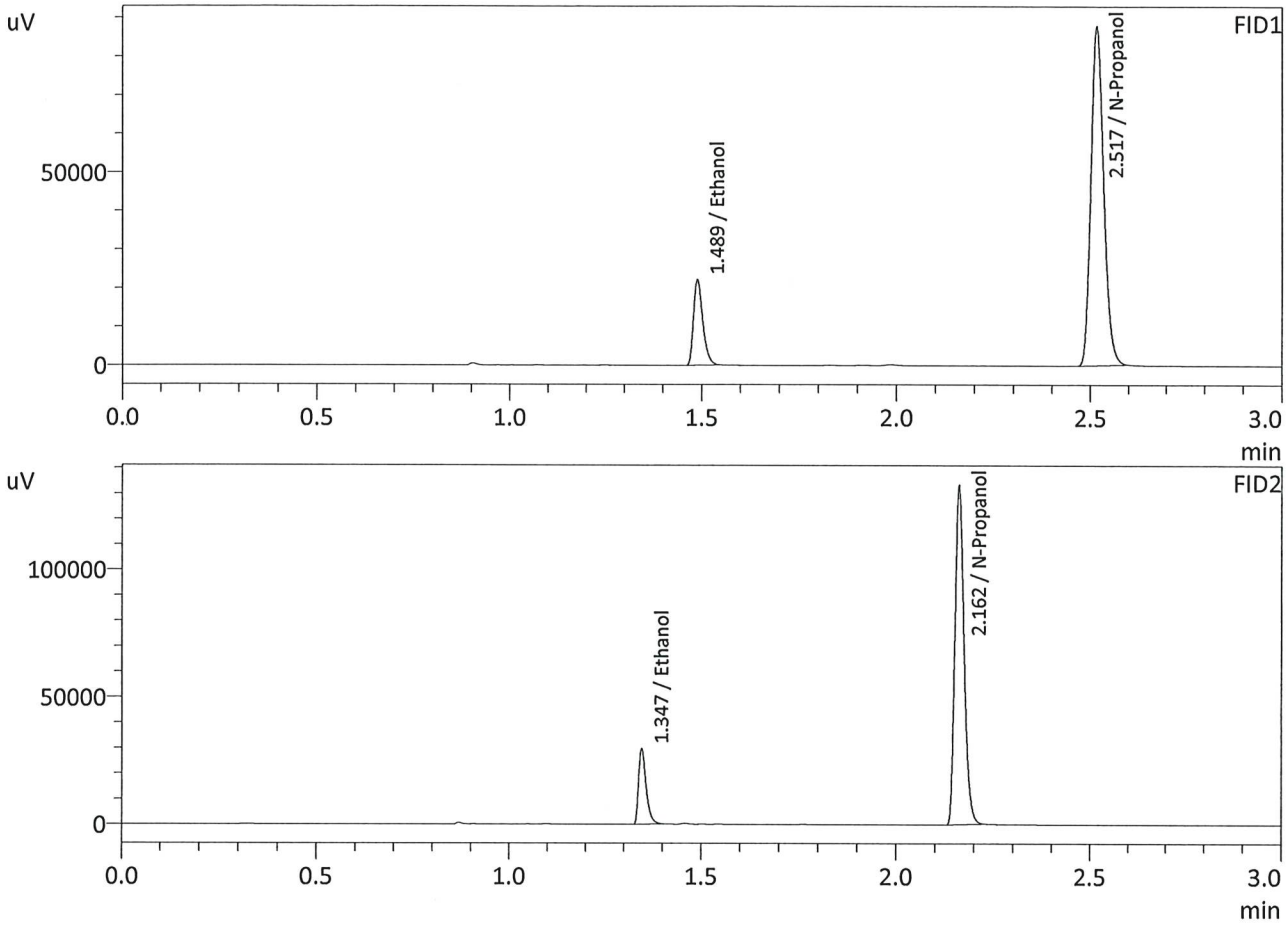
Refer To Instrument Method: ALCOHOL_240502_GG.gcm

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 : QC1-2
Laboratory : Meridian
Injection Date : 5/13/2024 9:56:57 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



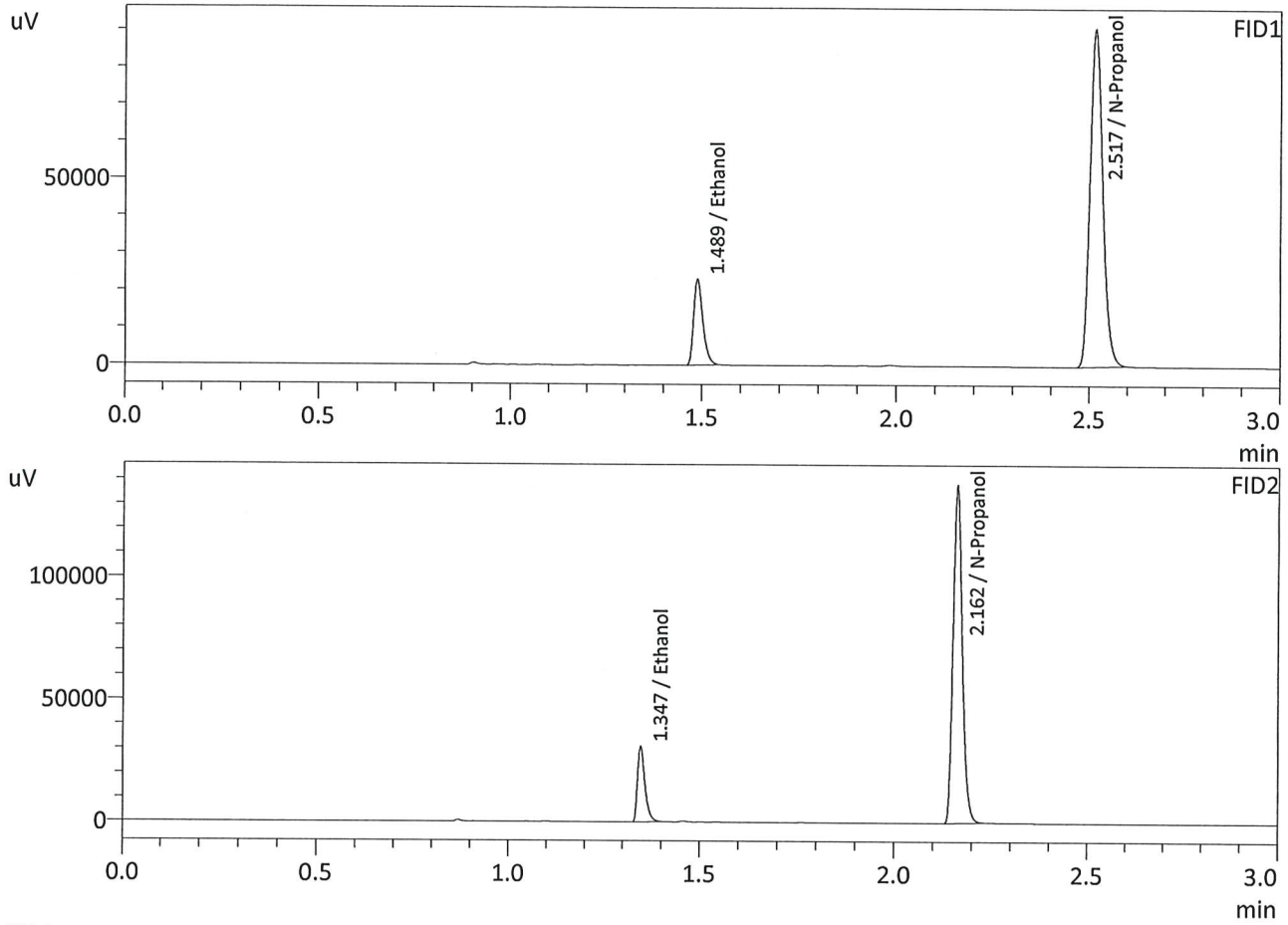
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0834	36979	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204431	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	39914	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220573	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 5/13/2024 10:06:12 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0835	38324	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211588	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0836	41296	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228384	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 5/13/2024 6:59:11 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2084	0.2082	0.0002	0.2083	0.0003	0.2081
(g/100cc)	0.2084	0.2077	0.0007	0.2080		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240502_GG.gcm

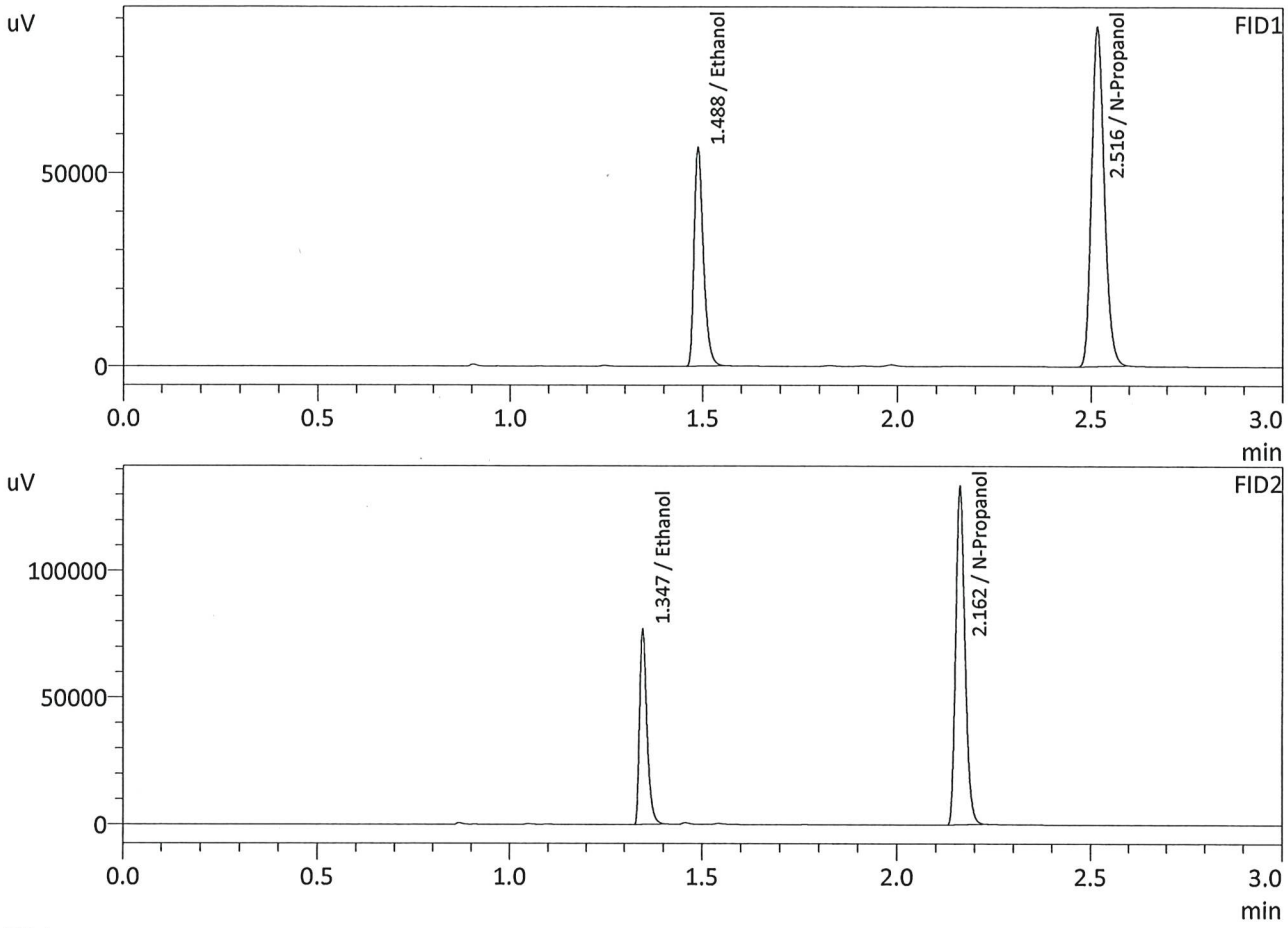
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

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.

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 5/13/2024 6:59:11 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



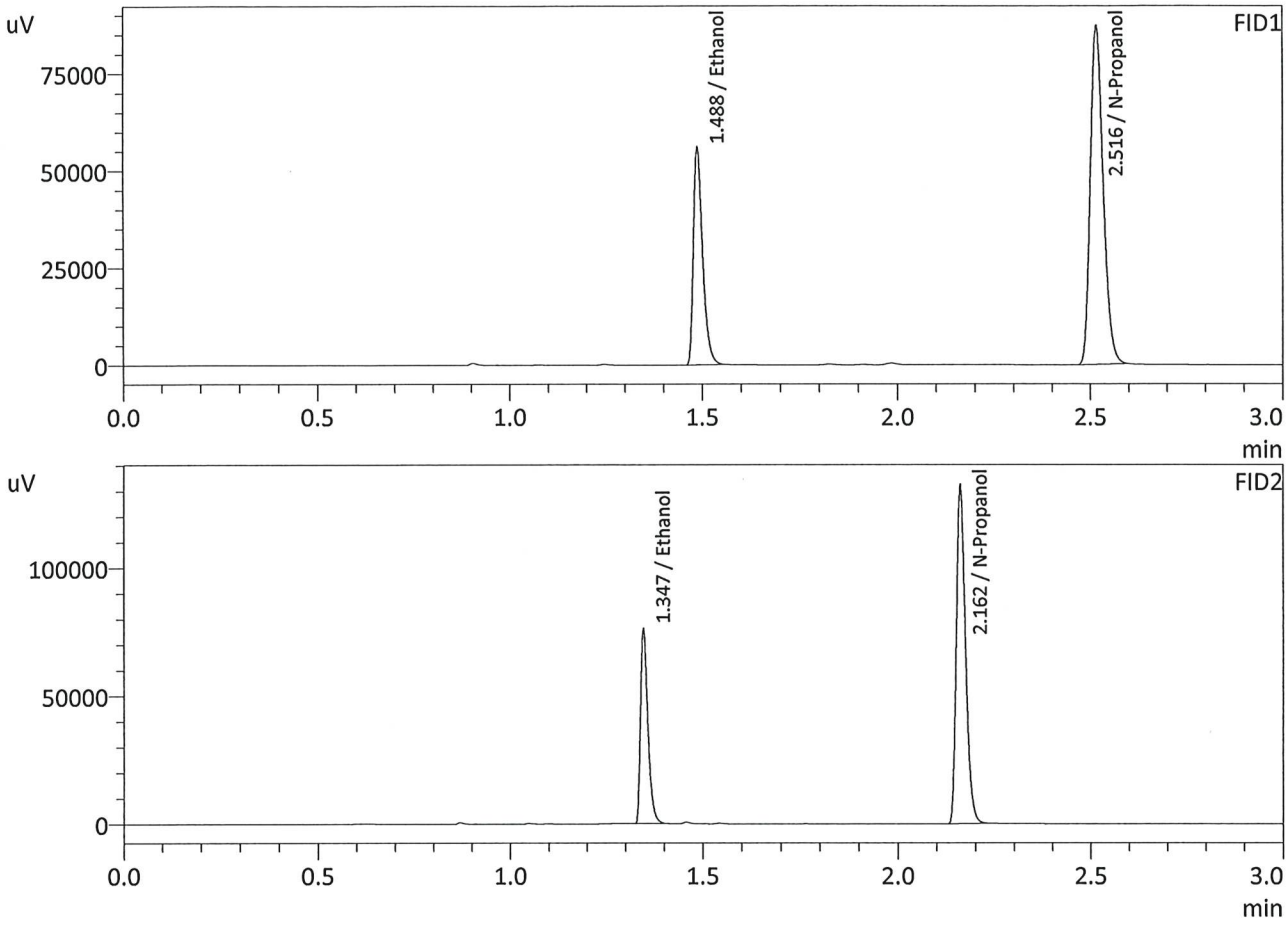
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2084	93816	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204890	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2082	101851	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221181	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 5/13/2024 7:07:14 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2084	92893	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202949	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2077	100657	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219151	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2 **Analysis Date(s): 5/13/2024 10:13:19 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2114	0.2113	0.0001	0.2113	0.0001	0.2112
(g/100cc)	0.2114	0.2110	0.0004	0.2112		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240502_GG.gcm

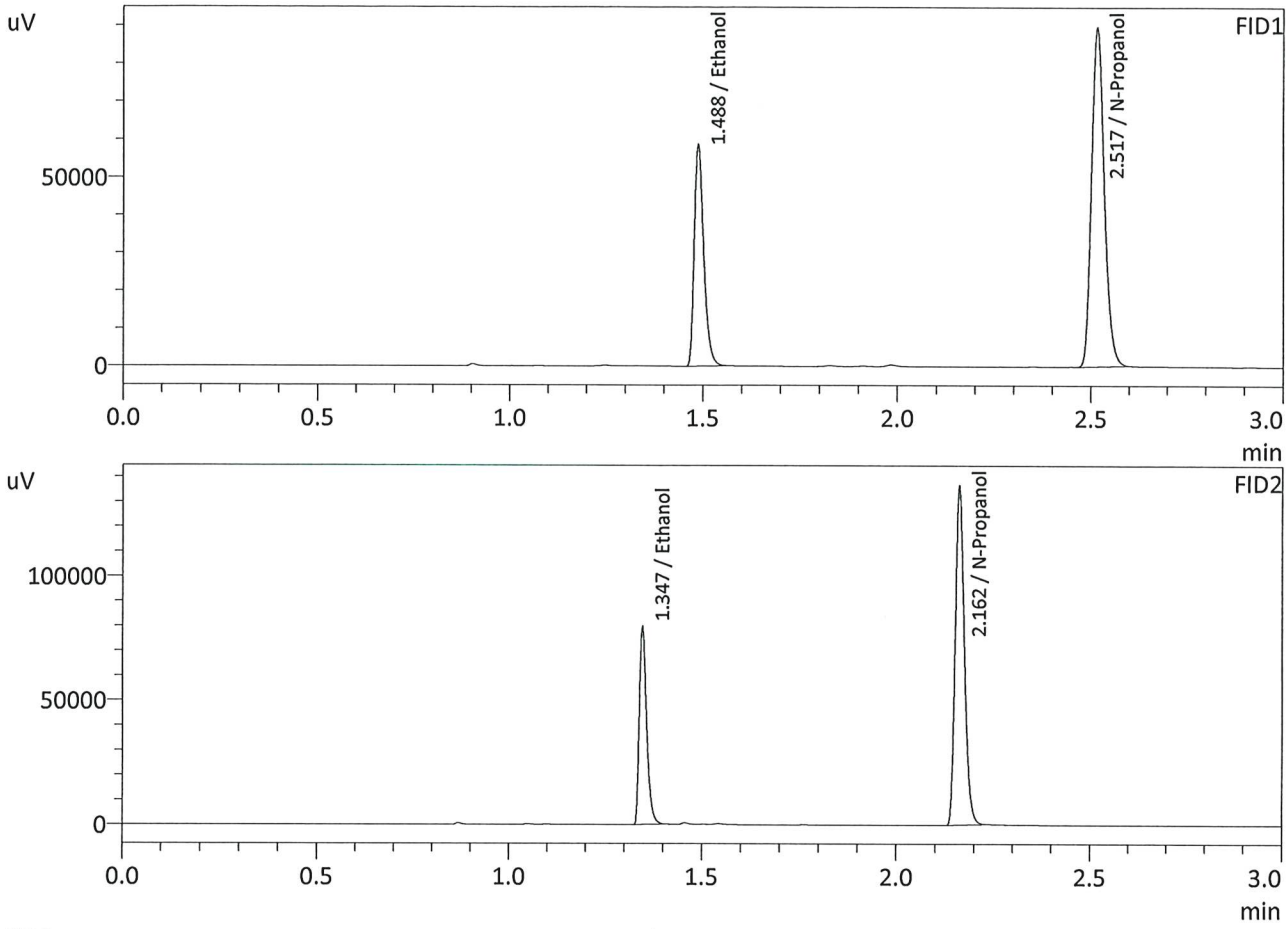
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

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.

Sample Name : QC2-2
Laboratory : Meridian
Injection Date : 5/13/2024 10:13:19 PM
Vial # : 49
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



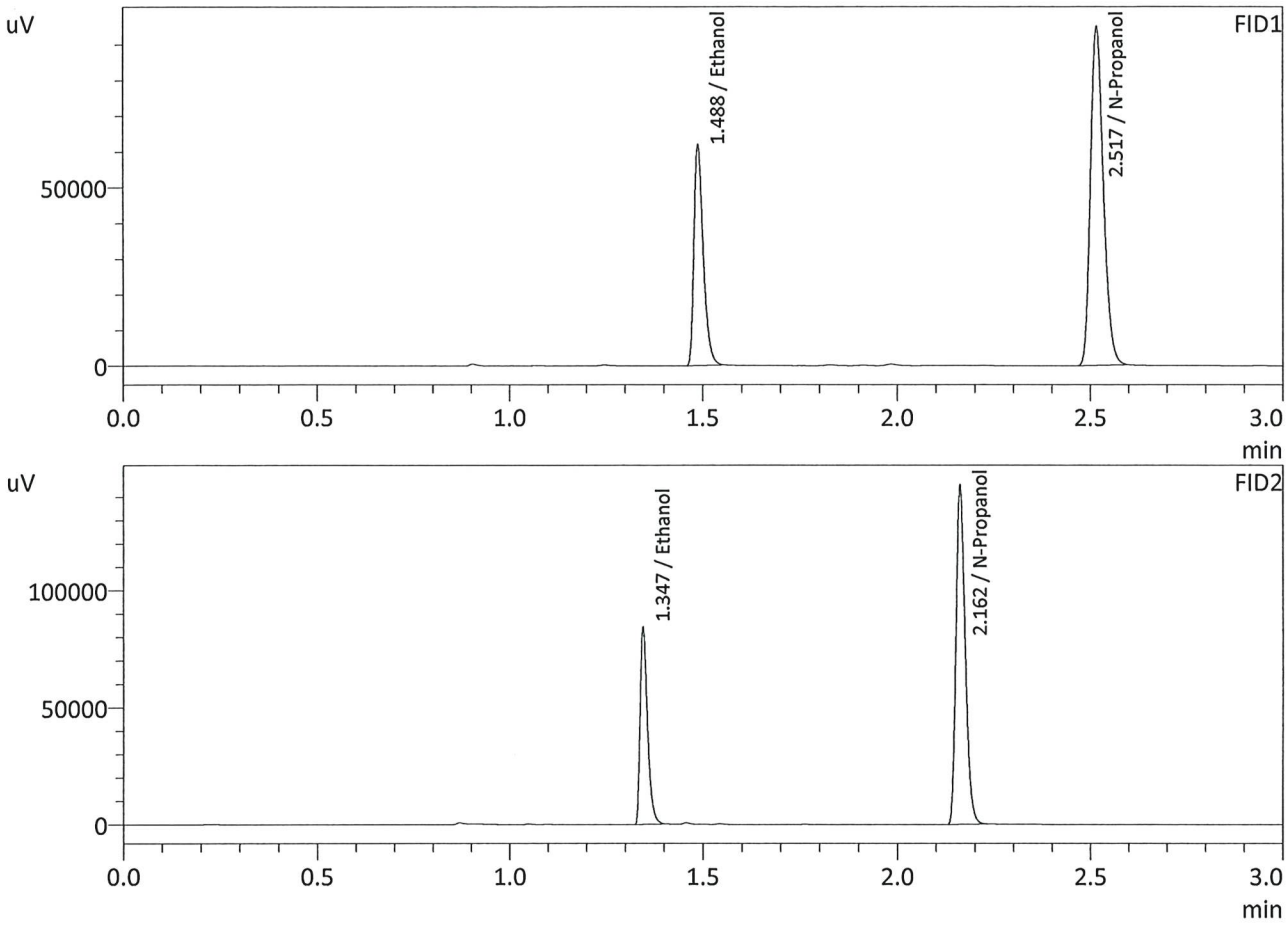
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2114	97143	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209100	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2113	105579	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225907	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 5/13/2024 10:21:45 PM
Vial # : 50
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

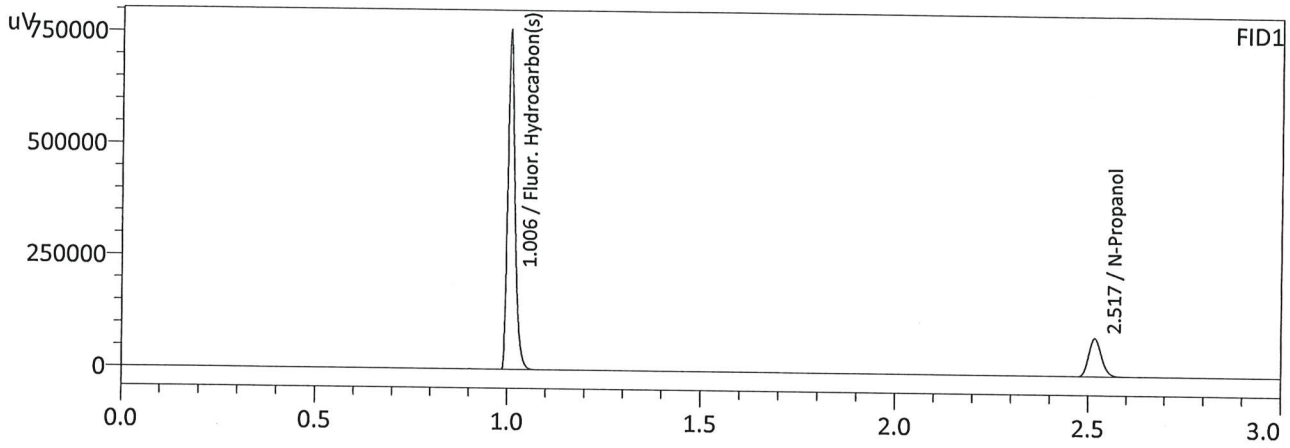
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2114	102812	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221349	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

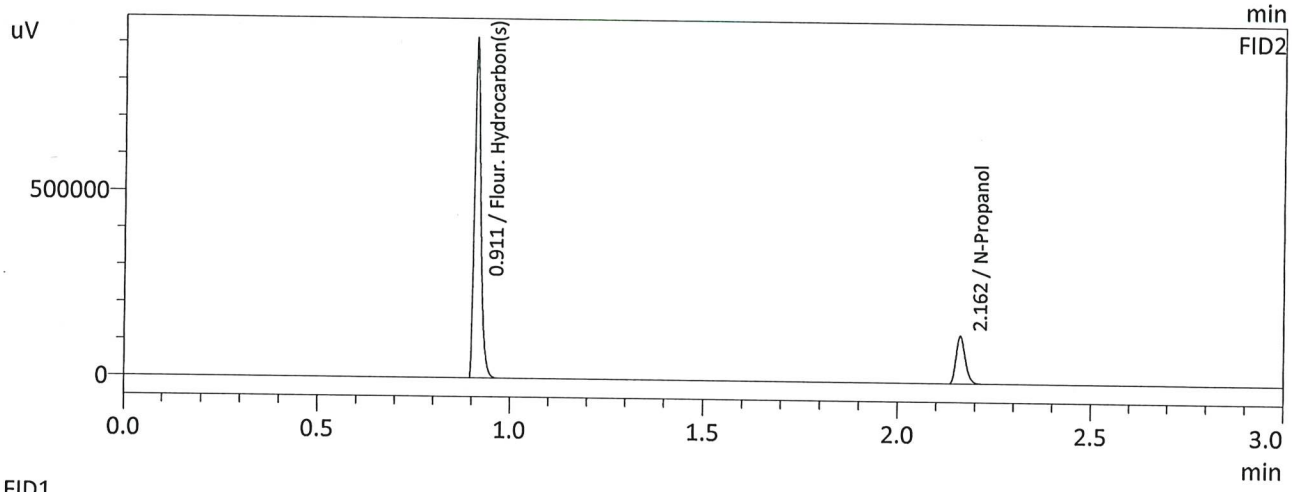
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2110	111637	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	239205	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : DFE LOT 111914 OM
Laboratory : Meridian
Injection Date : 5/13/2024 10:38:35 PM
Vial # : 52
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

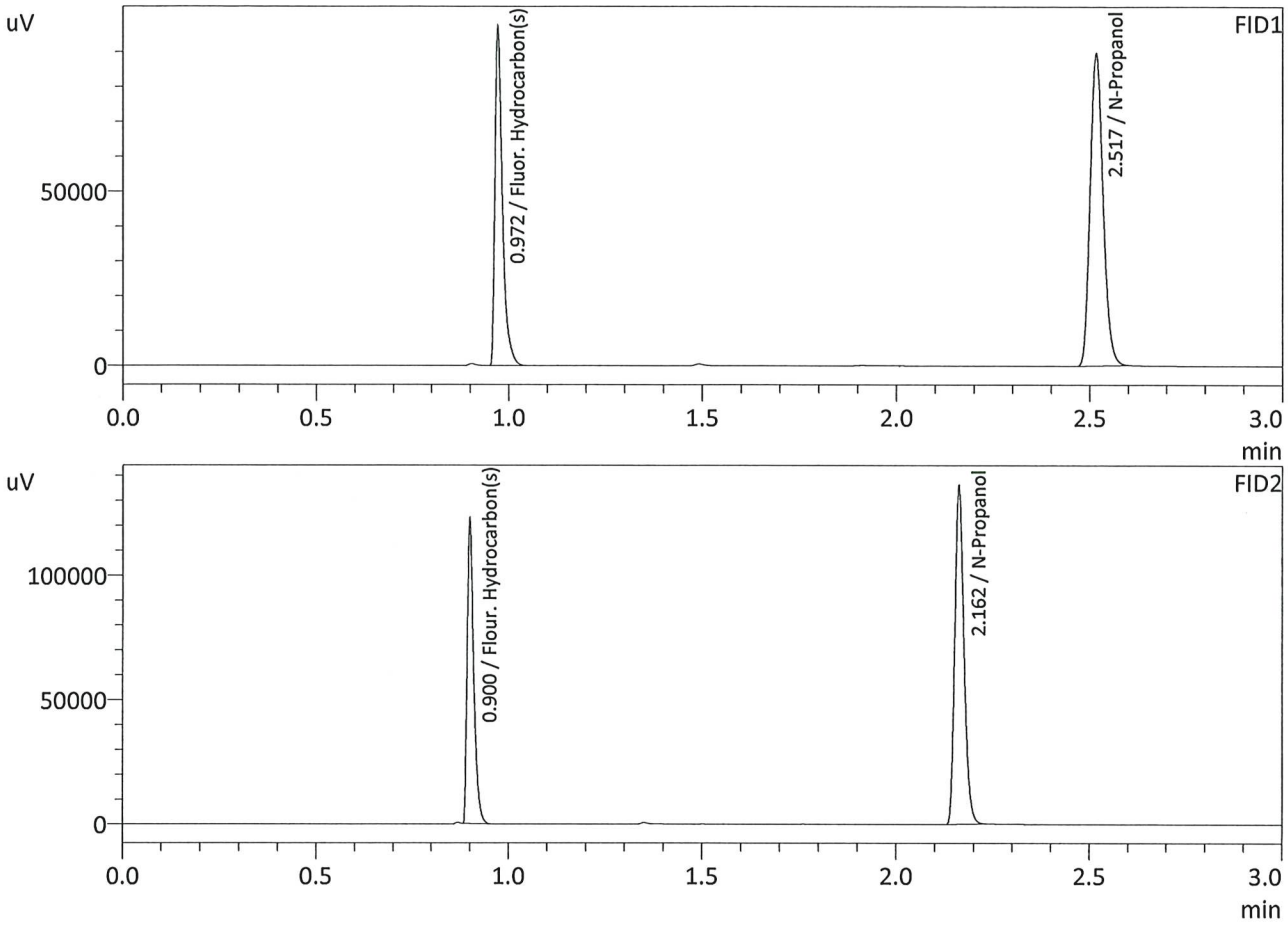
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198960	g/100cc
Fluor. Hydrocarbon(s)	0.0000	983397	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214843	g/100cc
Flour. Hydrocarbon(s)	0.0000	1056418	g/100cc

W

Sample Name : TFE LOT 111914
Laboratory : Meridian
Injection Date : 5/13/2024 10:55:42 PM
Vial # : 54
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

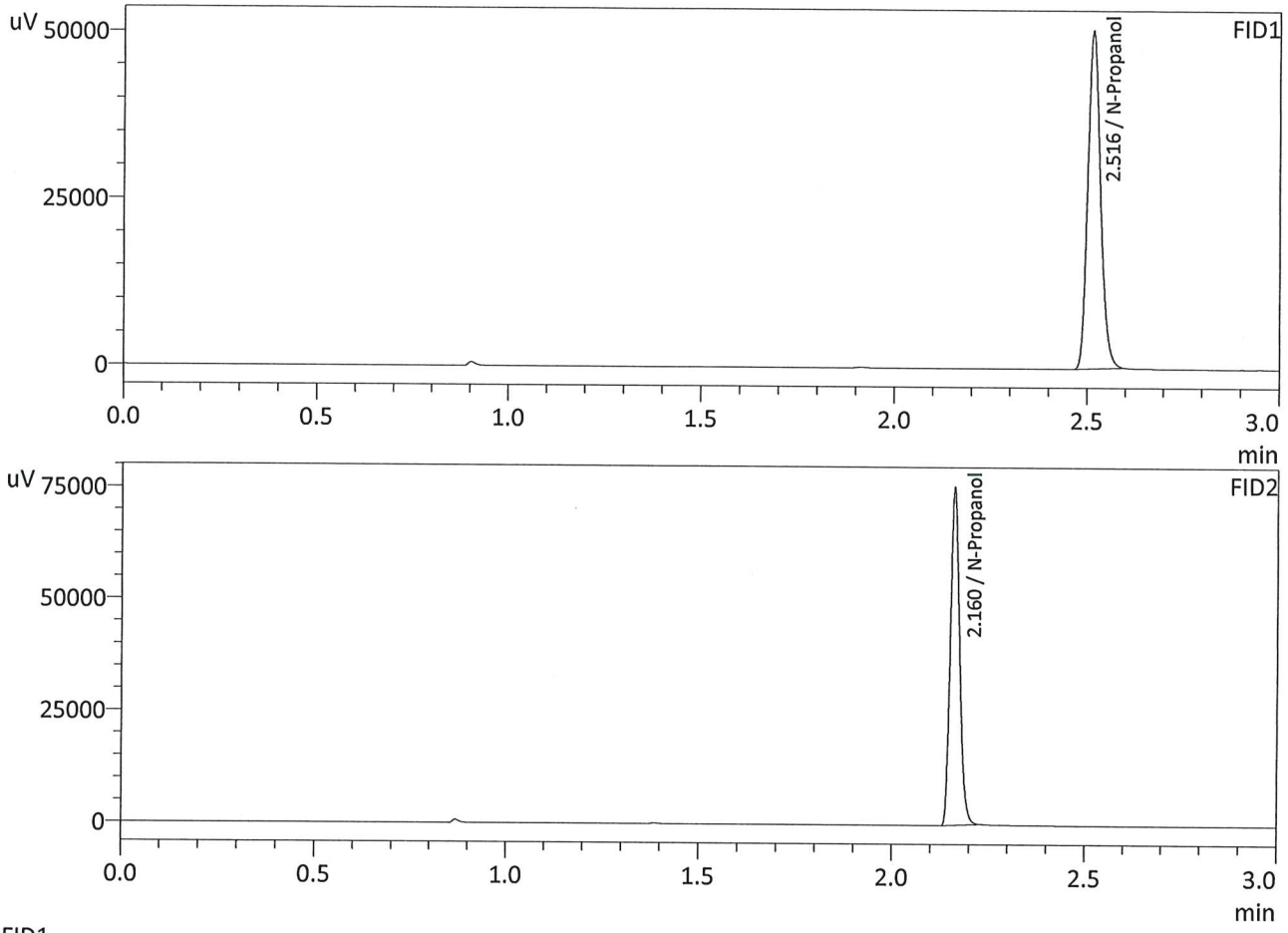
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208701	g/100cc
Fluor. Hydrocarbon(s)	0.0000	131915	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225253	g/100cc
Flour. Hydrocarbon(s)	0.0000	143473	g/100cc

W

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 5/13/2024 3:45:04 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

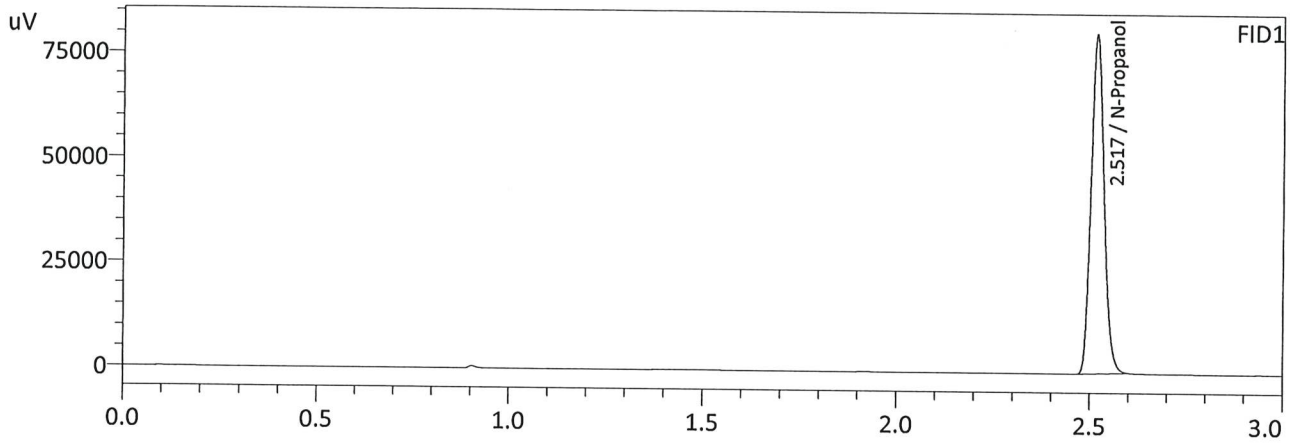
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	118290	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

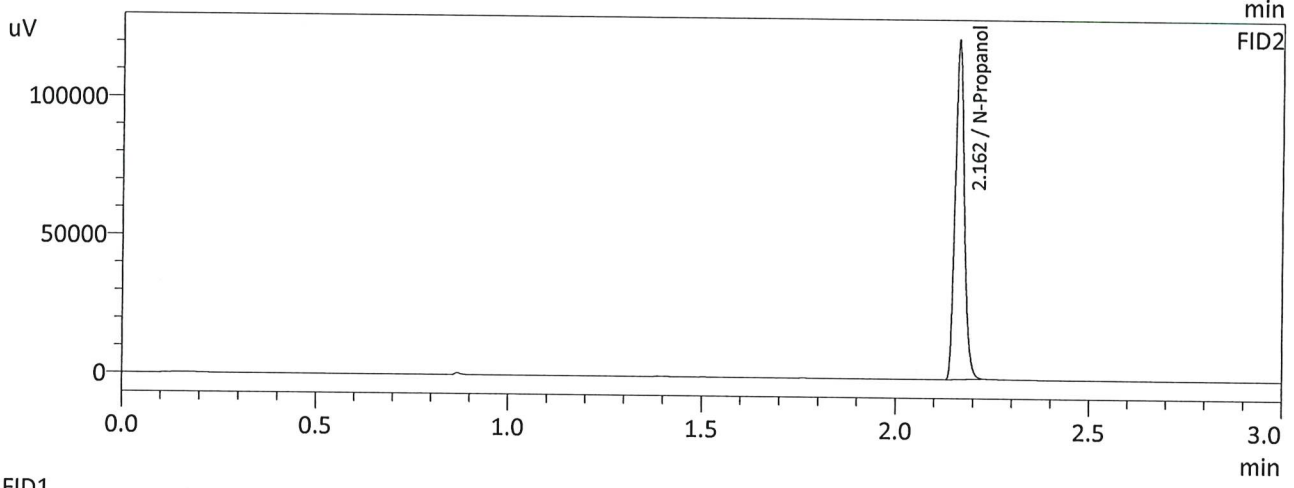
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	126069	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : INT STD BLK 2
Laboratory : Meridian
Injection Date : 5/13/2024 10:30:55 PM
Vial # : 51
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





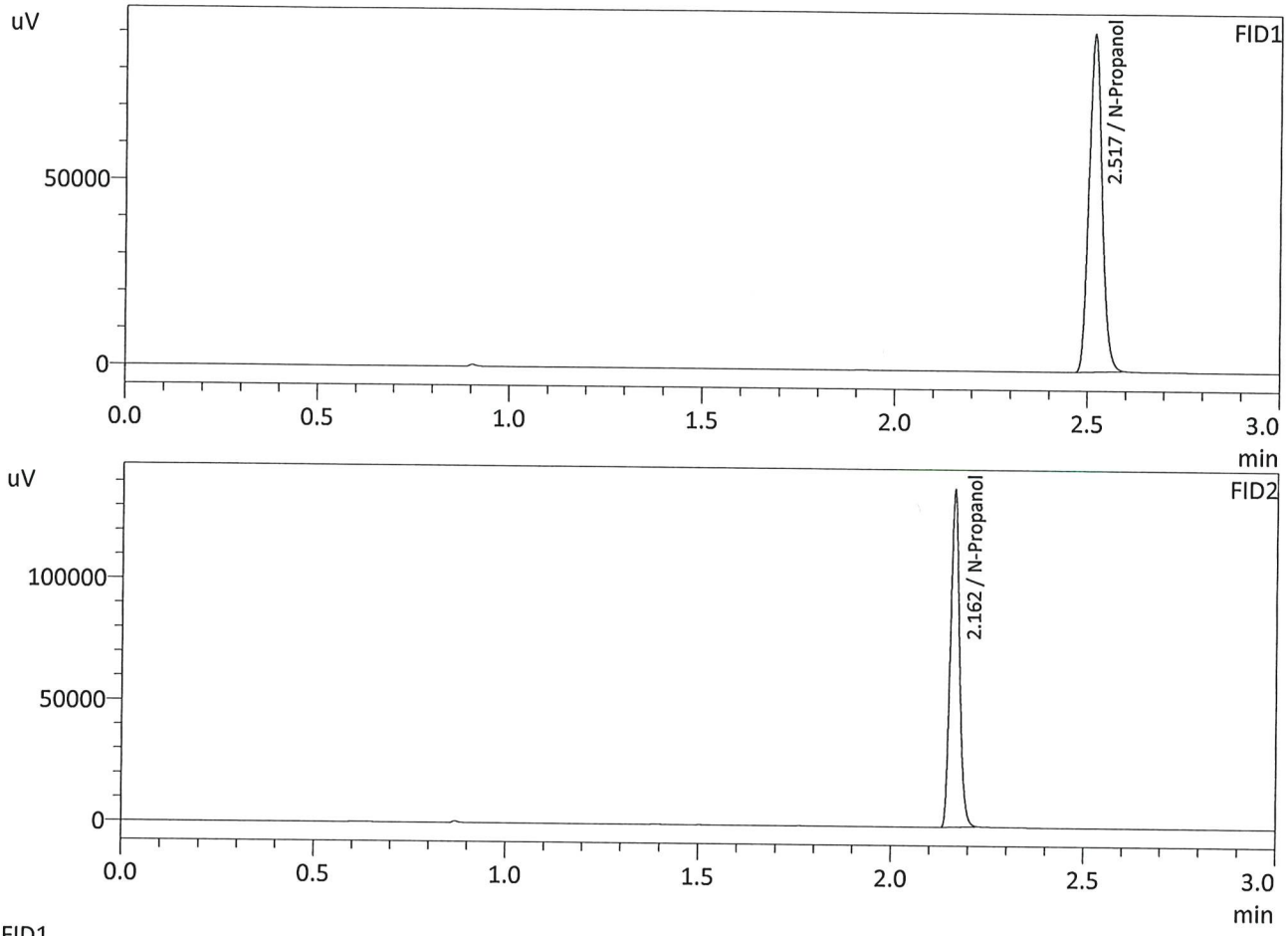
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188618	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	203199	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 3
Laboratory : Meridian
Injection Date : 5/13/2024 10:46:38 PM
Vial # : 53
Method Filename : Default Project - ALCOHOL_240502_GG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



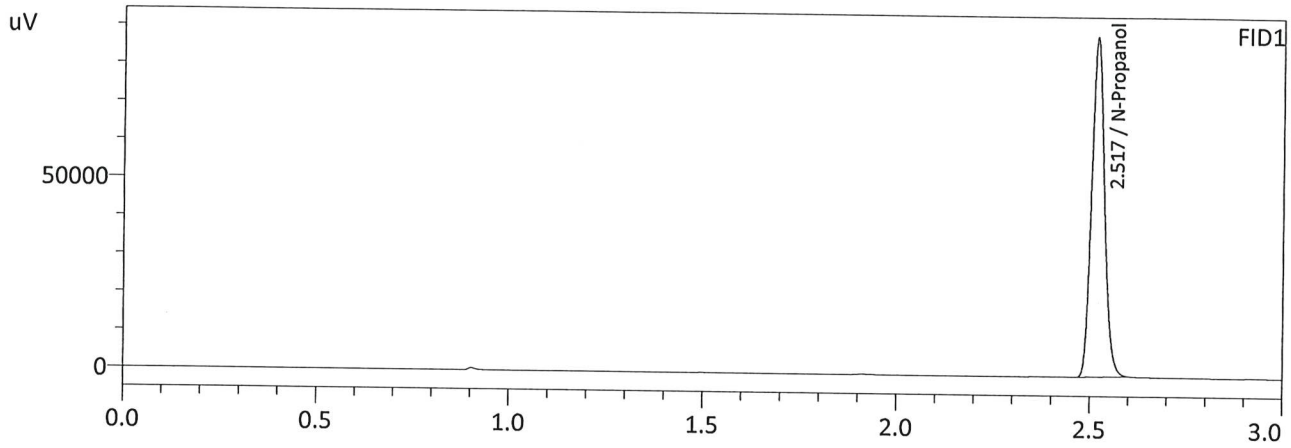
FID1

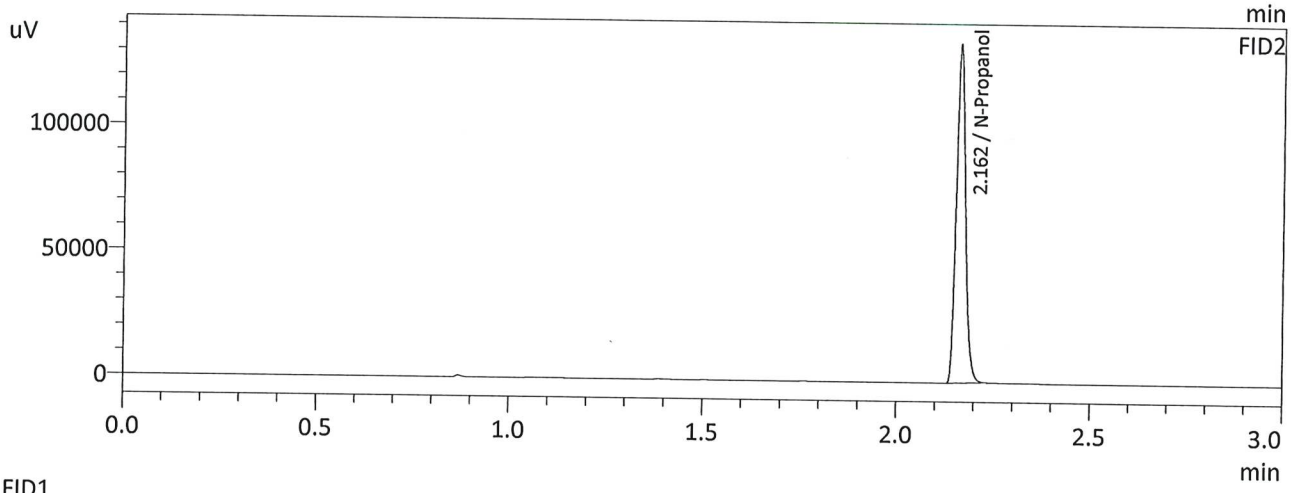
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212662	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229711	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 4
Laboratory : Meridian
Injection Date : 5/13/2024 11:03:17 PM
Vial # : 55
Method Filename : Default Project - ALCOHOL_240502_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	207262	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	223717	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 240502 GG.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240502 GG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240502 GG.gcm
6	0.08 QA	0:Unknown	0	ALCOHOL 240502 GG.gcm
7	M2024-1781-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
8	M2024-1781-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
9	M2024-1783-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
10	M2024-1783-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
11	M2024-1800-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
12	M2024-1800-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
13	M2024-1801-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
14	M2024-1801-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
15	M2024-1802-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
16	M2024-1802-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
17	M2024-1805-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
18	M2024-1805-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
19	M2024-1814-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
20	M2024-1814-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
21	M2024-1815-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
22	M2024-1815-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
23	M2024-1816-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
24	M2024-1816-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
27	M2024-1844-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
28	M2024-1844-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
29	M2024-1846-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
30	M2024-1846-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
31	M2024-1851-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
32	M2024-1851-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
33	M2024-1852-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
34	M2024-1852-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
35	M2024-1859-2	0:Unknown	0	ALCOHOL 240502 GG.gcm
36	M2024-1859-2-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
37	M2024-1860-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
38	M2024-1860-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
39	M2024-1896-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
40	M2024-1896-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
41	M2024-1900-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
42	M2024-1900-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
43	M2024-1903-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
44	M2024-1903-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
45	M2024-1910-1	0:Unknown	0	ALCOHOL 240502 GG.gcm
46	M2024-1910-1-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
47	QC1-2	0:Unknown	0	ALCOHOL 240502 GG.gcm
48	QC1-2-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
49	QC2-2	0:Unknown	0	ALCOHOL 240502 GG.gcm
50	QC2-2-B	0:Unknown	0	ALCOHOL 240502 GG.gcm
51	INT STD BLK 2	0:Unknown	0	ALCOHOL 240502 GG.gcm
52	DFE LOT 111914 OM	0:Unknown	0	ALCOHOL 240502 GG.gcm
53	INT STD BLK 3	0:Unknown	0	ALCOHOL 240502 GG.gcm
54	TFE LOT 111914	0:Unknown	0	ALCOHOL 240502 GG.gcm
55	INT STD BLK 4	0:Unknown	0	ALCOHOL 240502 GG.gcm