APPROVED
By John Garner at 10:34 am, Dec 02, 2024

11/29/2024

Worklist: 6983

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-4842	1	BCK	Alcohol Analysis
M2024-4876	1	BCK	Alcohol Analysis
M2024-4877	1	BCK	Alcohol Analysis
M2024-4878	1	BCK	Alcohol Analysis
M2024-4880	1	BCK	Alcohol Analysis
M2024-4907	1	UCK	Alcohol Analysis
M2024-4907	2	BCK	Alcohol Analysis
M2024-4911	1	BCK	Alcohol Analysis
M2024-4912	1	BCK	Alcohol Analysis
M2024-4922	1	BCK	Alcohol Analysis
M2024-4948	1	BCK	Alcohol Analysis
M2024-4949	1	BCK	Alcohol Analysis
M2024-4959	1	BCK	Alcohol Analysis
M2024-4960	1	BCK	Alcohol Analysis
M2024-4970	1	BCK	Alcohol Analysis
M2024-4977	1	BCK	Alcohol Analysis
M2024-5004	1	BCK	Alcohol Analysis
M2024-5025	1	UCK	Alcohol Analysis
M2024-5029	1	BCK	Alcohol Analysis
M2024-5031	1	BCK	Alcohol Analysis
M2024-5037	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): 11/27/2024**

Calibration Date: 11/27/2024

Worklist #: 6983

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
					0.0862 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2090 g/100cc
					0.2092 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	May. 2028	Lot #	FN05302307	
Curve Fit:		**Column 1**	0.99951	**Column2**	0.99956

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0542	0.0541	1E-04	0.0541
100	0.100	0.090 - 0.110	0.0996	0.0994	0.0002	0.0995
200	0.200	0.180 - 0.220	0.1973	0.1975	0.0002	0.1974
300	0.300	0.270 - 0.330	0.2951	0.2955	0.0004	0.2953
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5036	0.5033	0.0003	0.5034

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 #:	6983	Run Date(s):	11/27/2024

Internal Standard Solution:	Prep Date:	11/20/2024	Exp Date:	5/20/2025

Sample Name	Column 1 Value	Column 2 Value
0.080	208551	222196
0.080	204574	218233
QC1	213637	228078
QC1	214176	228642
QC1	264498	282519
QC1	269260	287410
QC1		
QC1		
QC2	261062	278667
QC2	262443	280487
QC2	269432	287275
QC2	284236	303706
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	245186.9	196149.5	294224.3
Column 2	261721.3	209377.0	314065.6

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

Meridian Blood Alcohol Analysis Batch Table

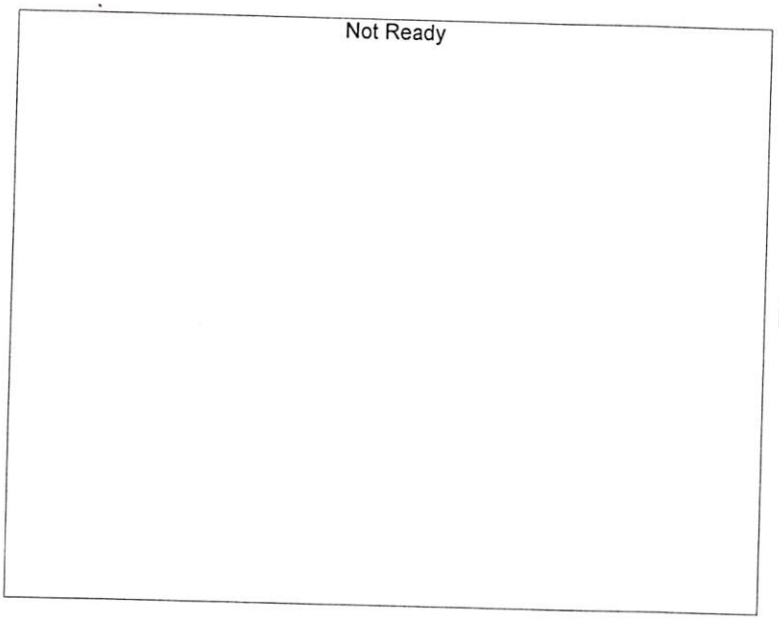
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 241127.gcm
2	0.100	1:Standard	2	ALCOHOL 241127.gcm
3	0.200	1:Standard	3	ALCOHOL 241127.gcm
4	0.300	1:Standard	4	ALCOHOL 241127.gcm
5	0.500	1:Standard	5	ALCOHOL 241127.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 241127.gcm

Calibration Table

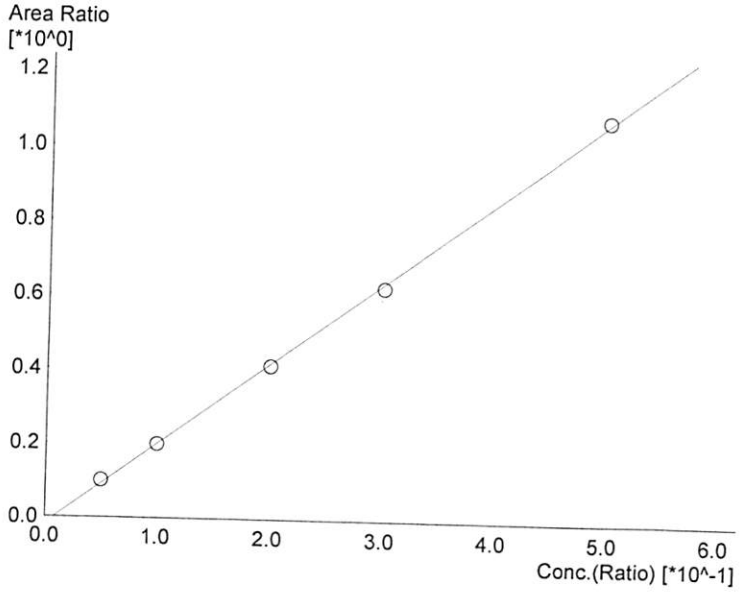
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_241127.gcm
Batch File :Default Project - CALCURVE_241127_GG.gcb
Date Acquired :11/27/2024 11:36:43 AM
Date Created :11/27/2024 11:30:04 AM
Date Modified :11/27/2024 11:57:31 AM



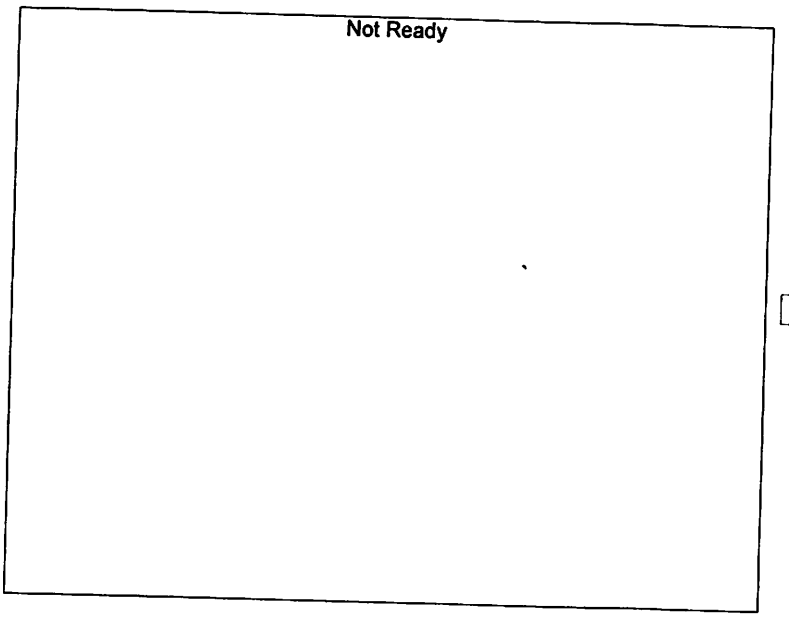
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



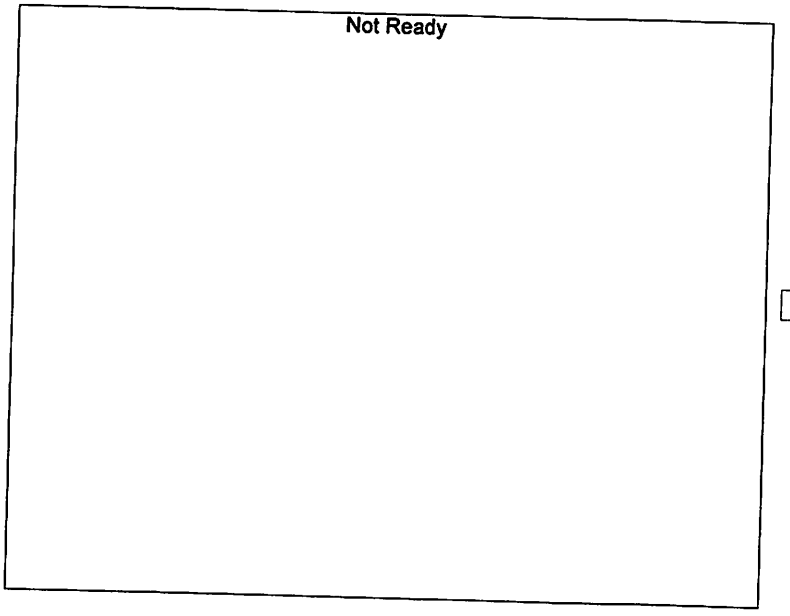
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.17699*x-0.0173875
R^2 value= 0.9995100
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20468	0.0542
2	0.100	40459	0.0996
3	0.200	85805	0.1973
4	0.300	130718	0.2951
5	0.500	229854	0.5036



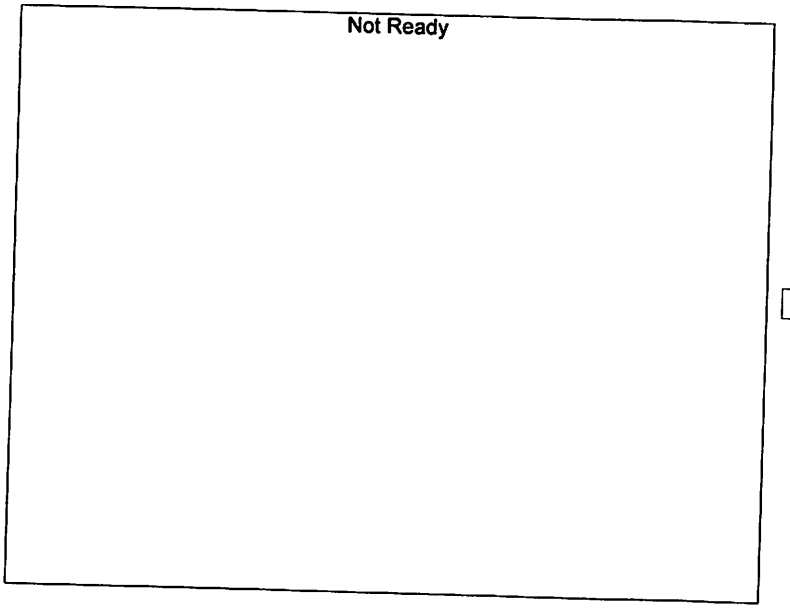
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



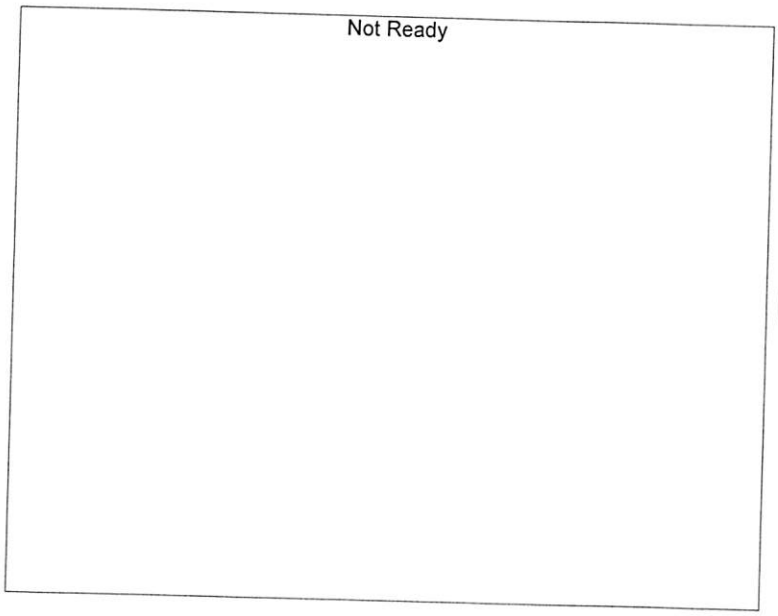
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



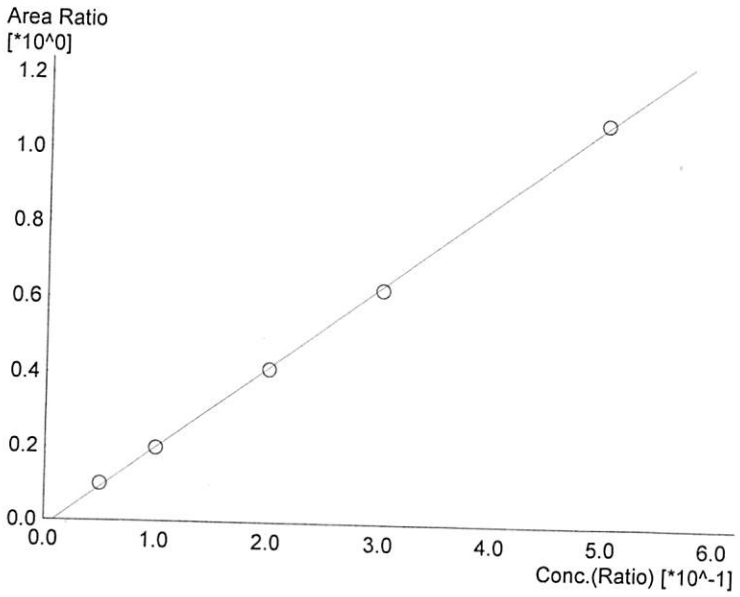
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



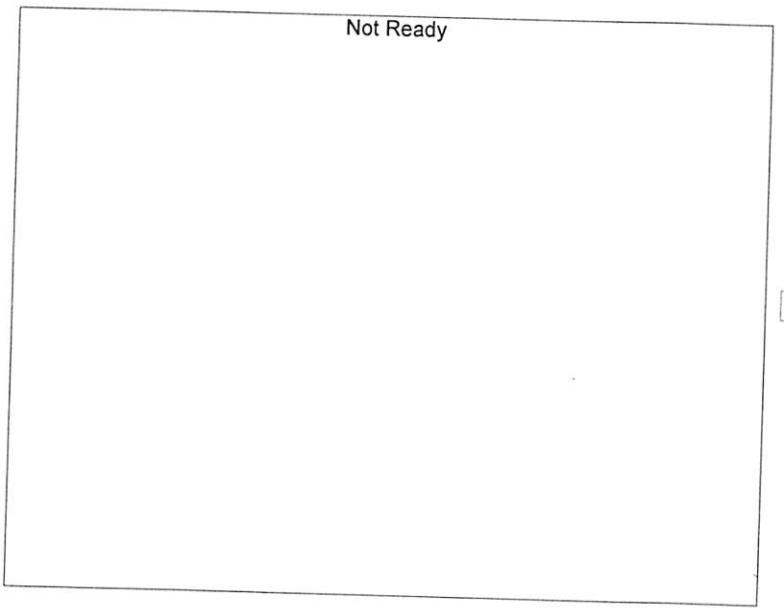
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



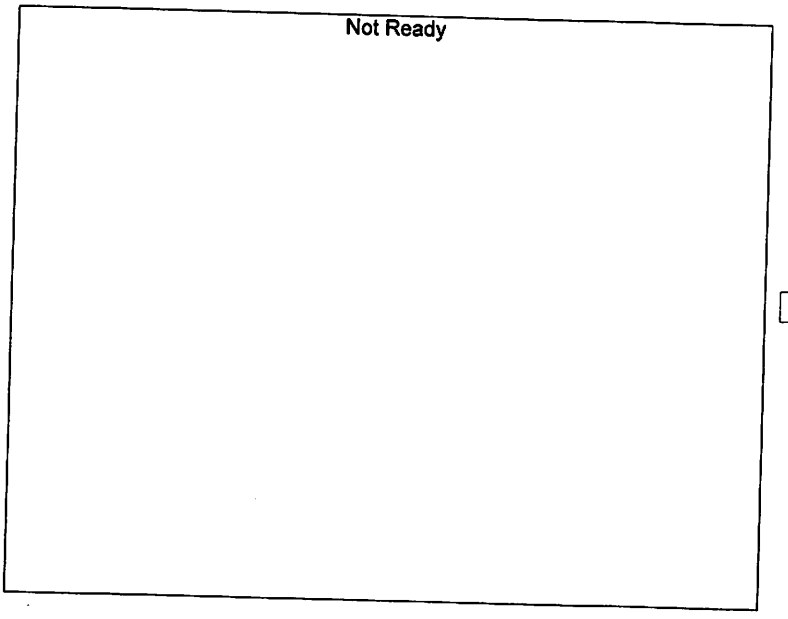
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.18138*x-0.0177454
R^2 value= 0.9995687
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	21794	0.0541
2	0.100	43093	0.0994
3	0.200	91749	0.1975
4	0.300	139655	0.2955
5	0.500	245243	0.5033



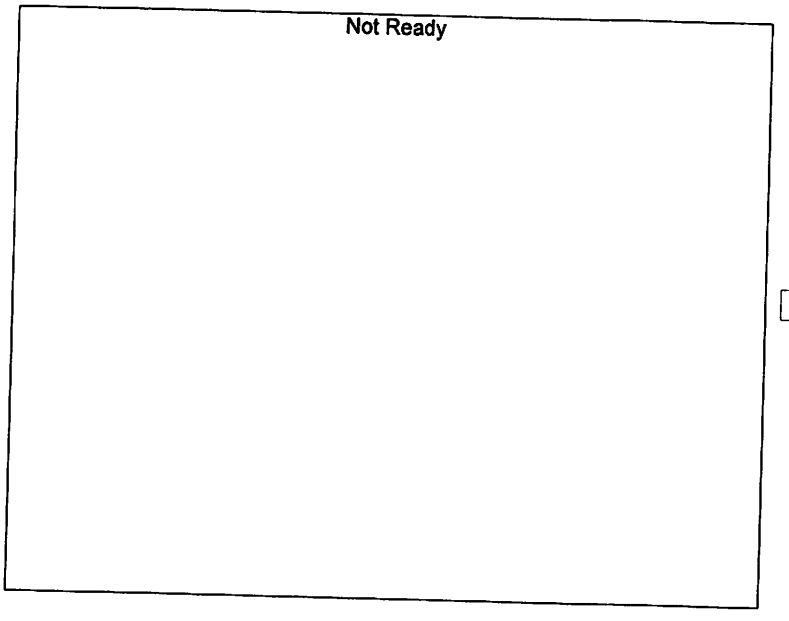
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

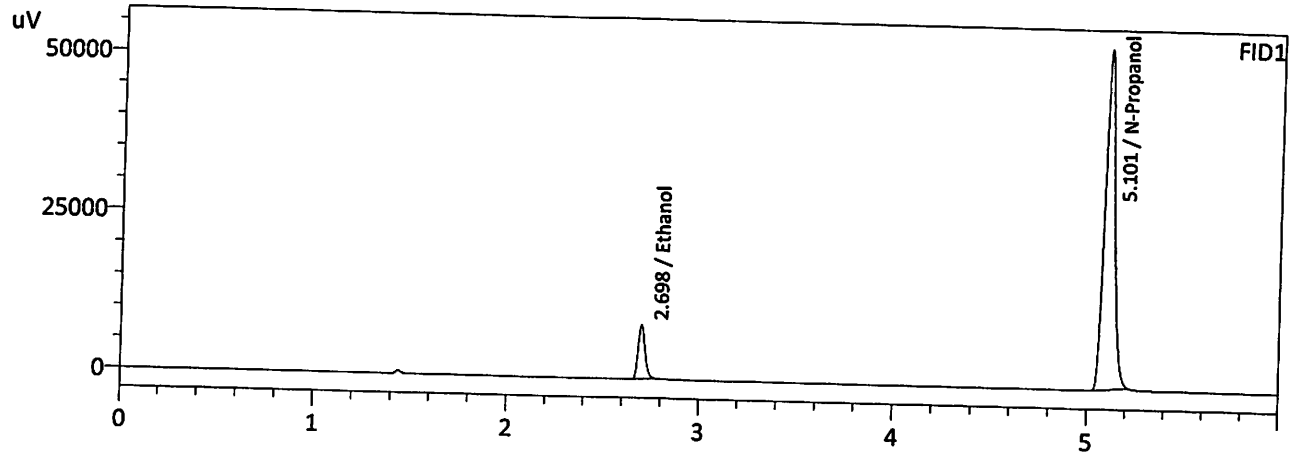
#	Conc.	Area	Std. Conc.

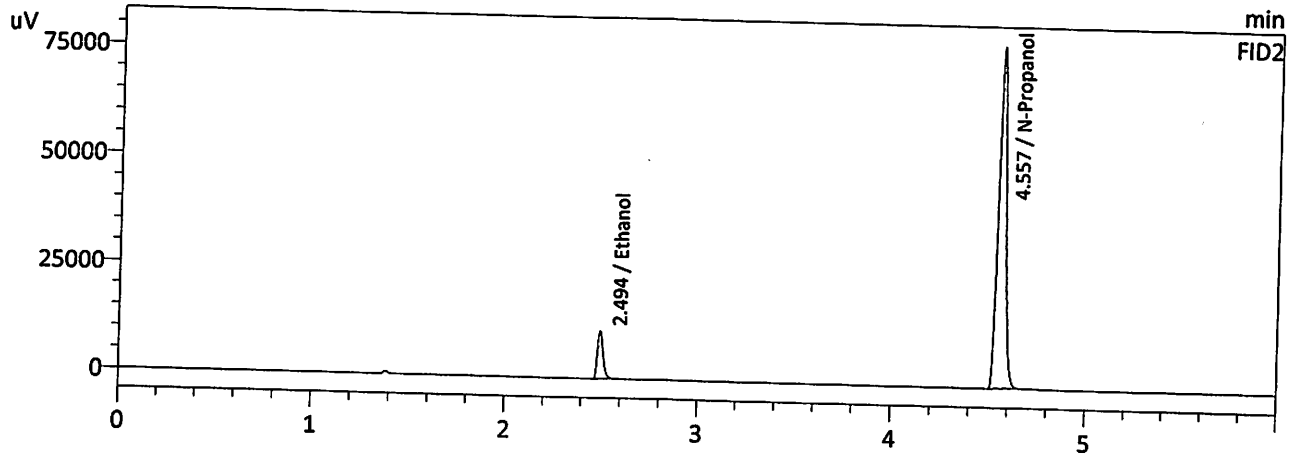


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Sample Name	: 0.050
Laboratory	: Meridian
Injection Date	: 11/27/2024 10:46:48 AM
Vial #	: 1
Method Filename	: Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





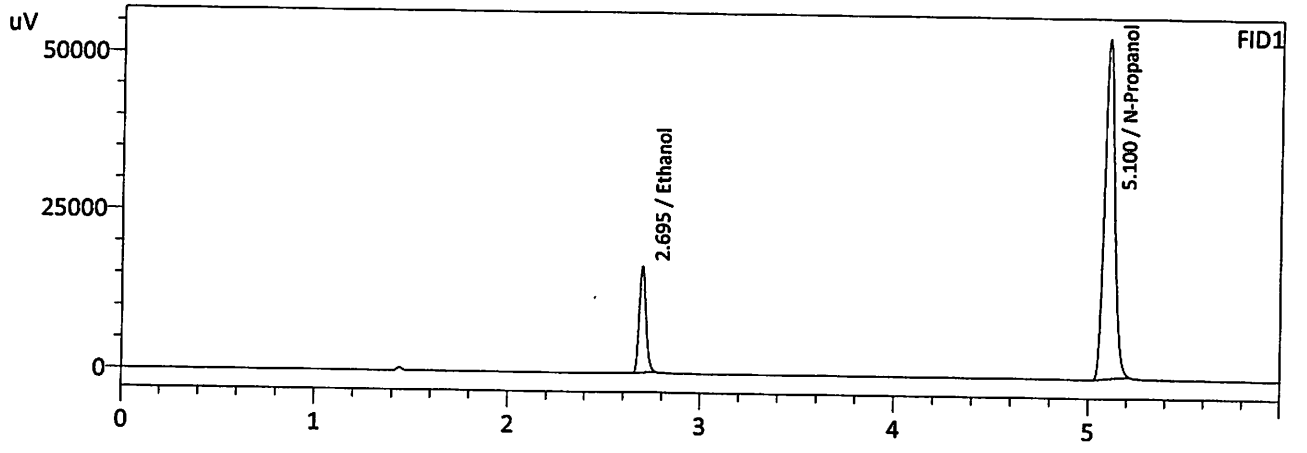
FID1 min

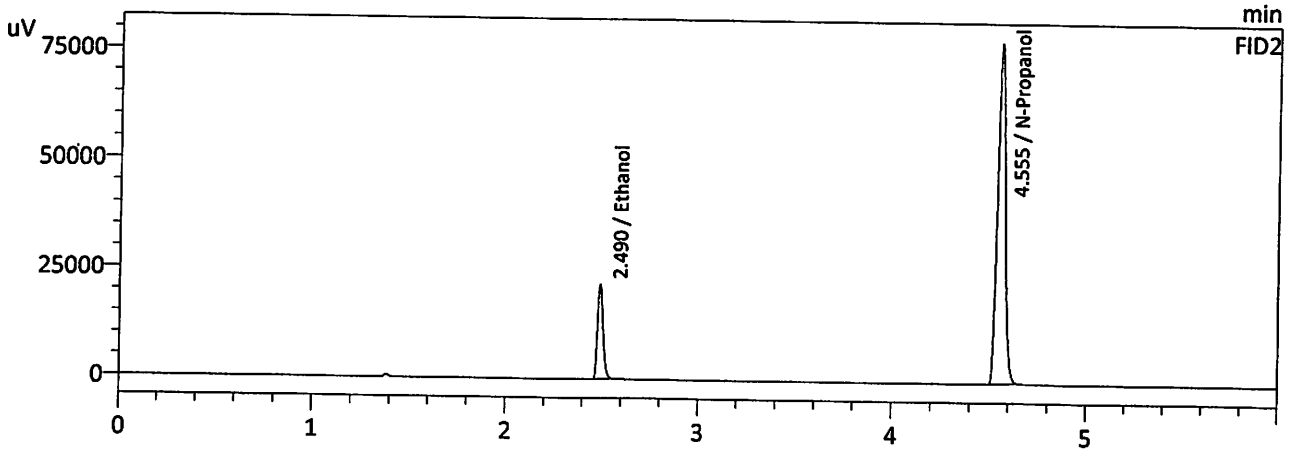
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0542	20468	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203011	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0541	21794	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217064	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 11/27/2024 10:59:32 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





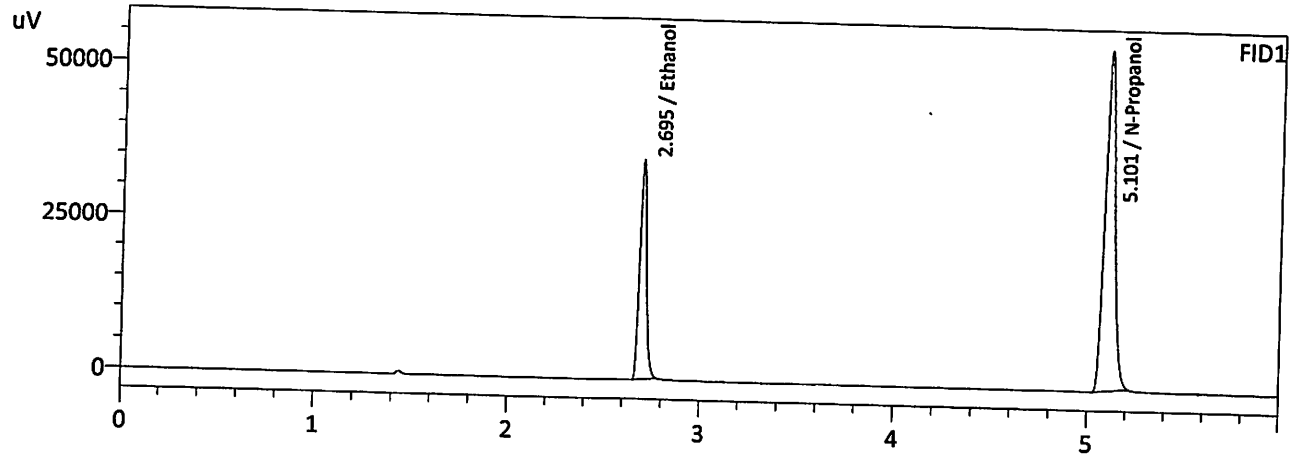
FID1

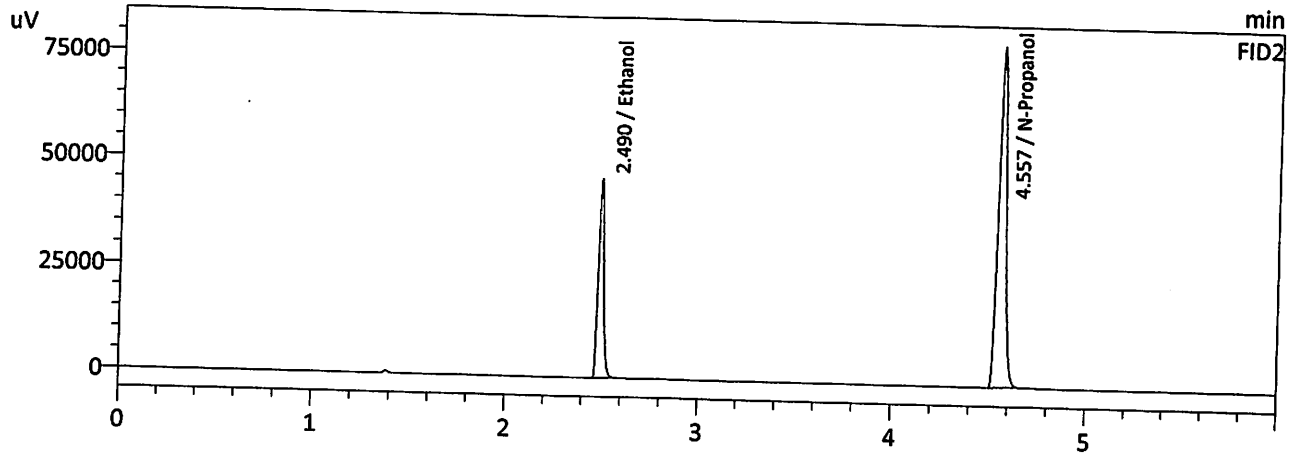
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0996	40459	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202833	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0994	43093	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216428	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 11/27/2024 11:11:43 AM
Vial # : 3
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1 min

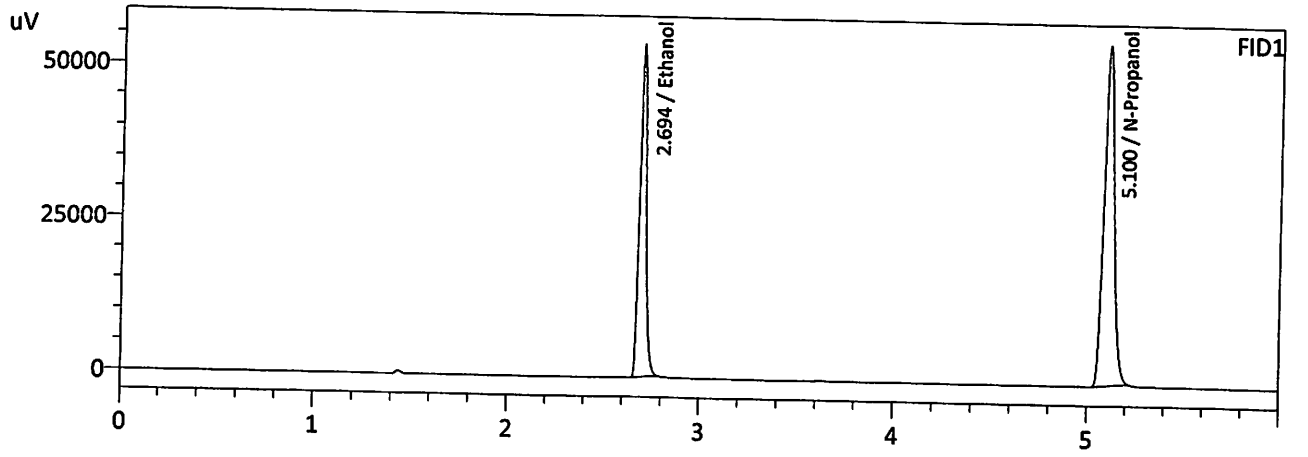
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1973	85805	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208192	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

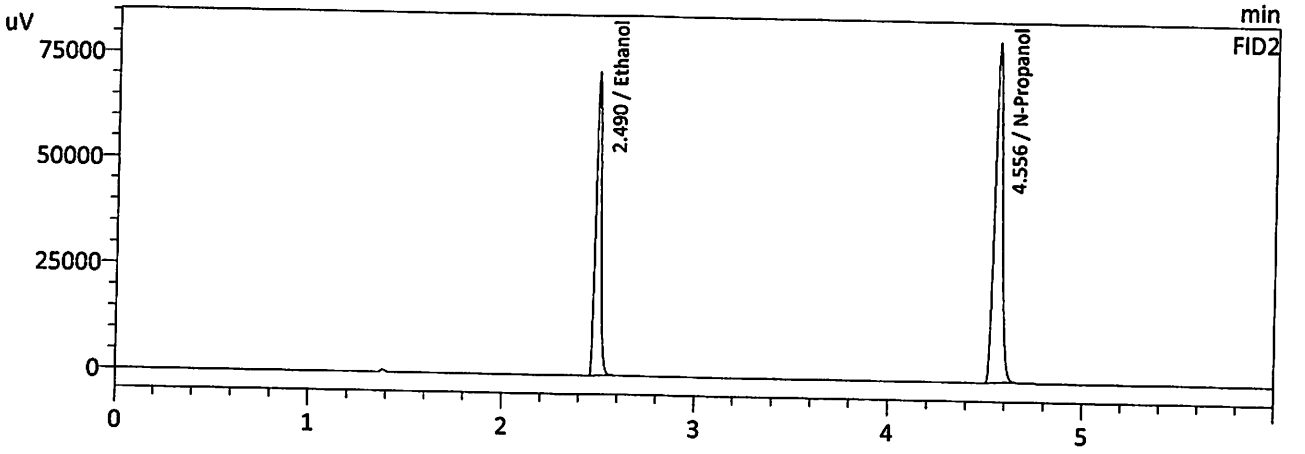
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1975	91749	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222083	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

N

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 11/27/2024 11:24:01 AM
Vial # : 4
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





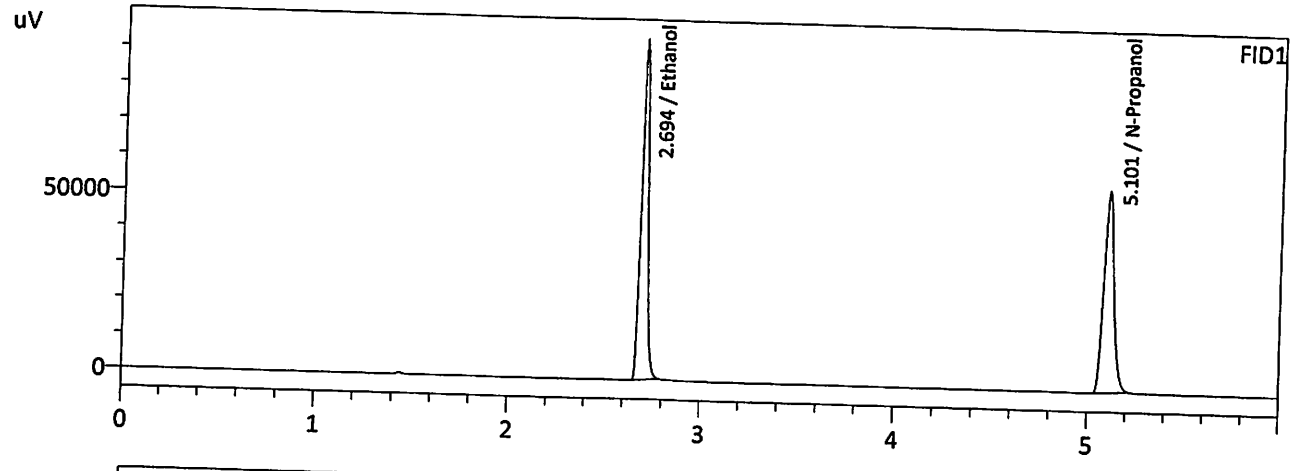
FID1

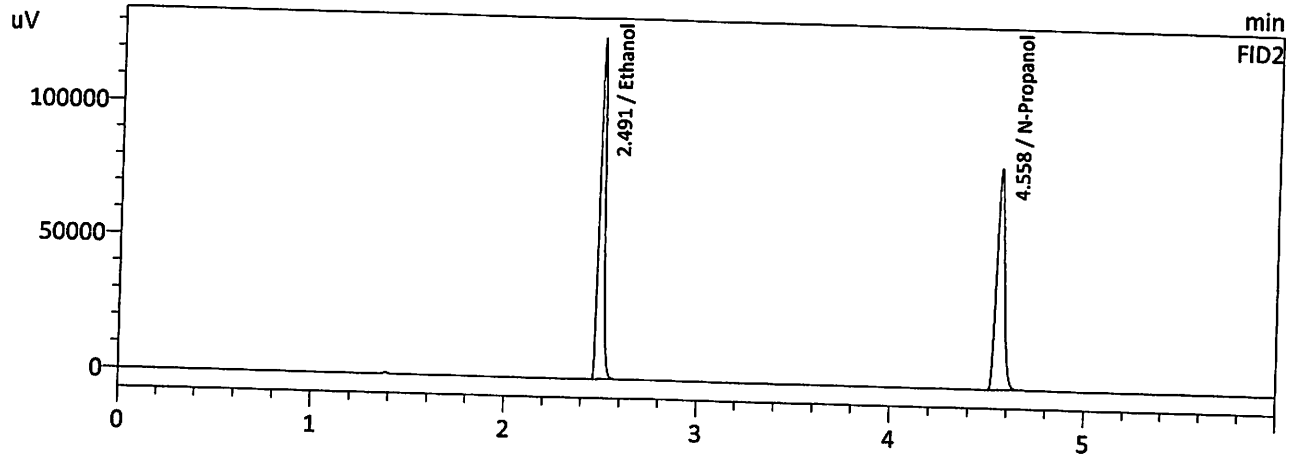
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2951	130718	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209105	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2955	139655	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222768	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 11/27/2024 11:36:43 AM
Vial # : 5
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





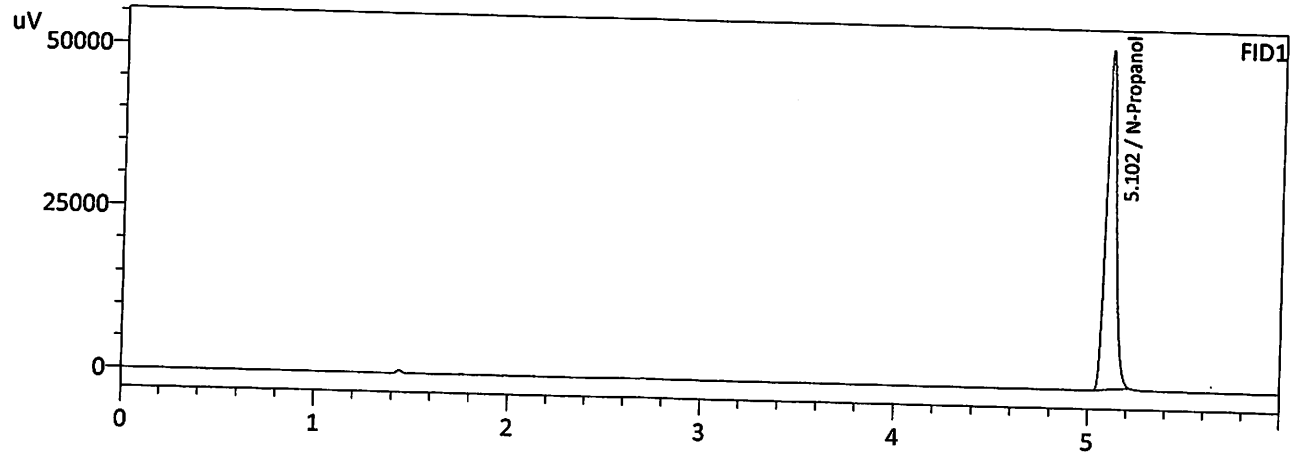
FID1 min

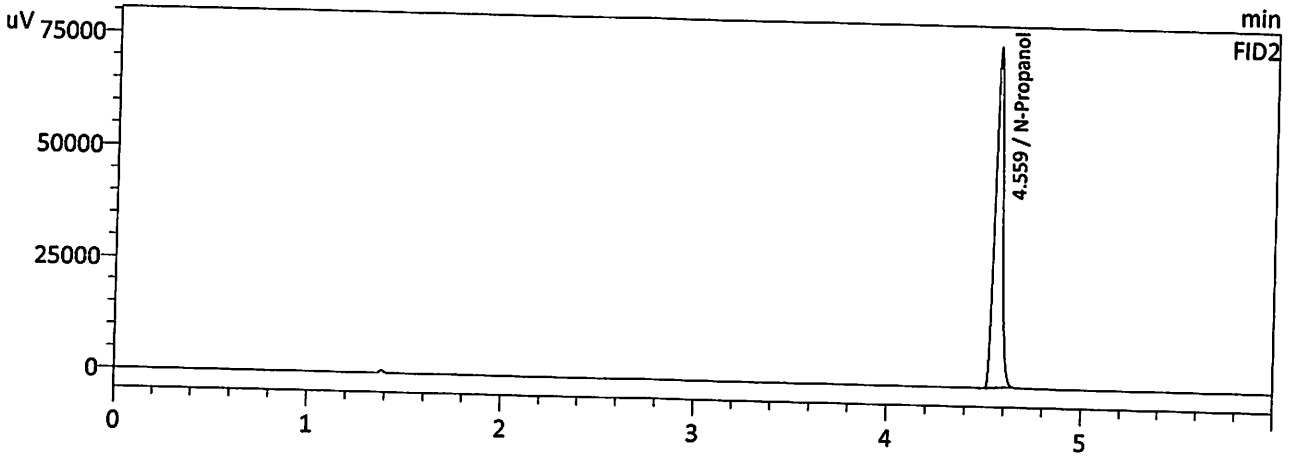
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5036	229854	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213018	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5033	245243	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227012	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 11/27/2024 11:48:51 AM
Vial # : 6
Method Filename : Default Project - ALCOHOL_241127.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	197431	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

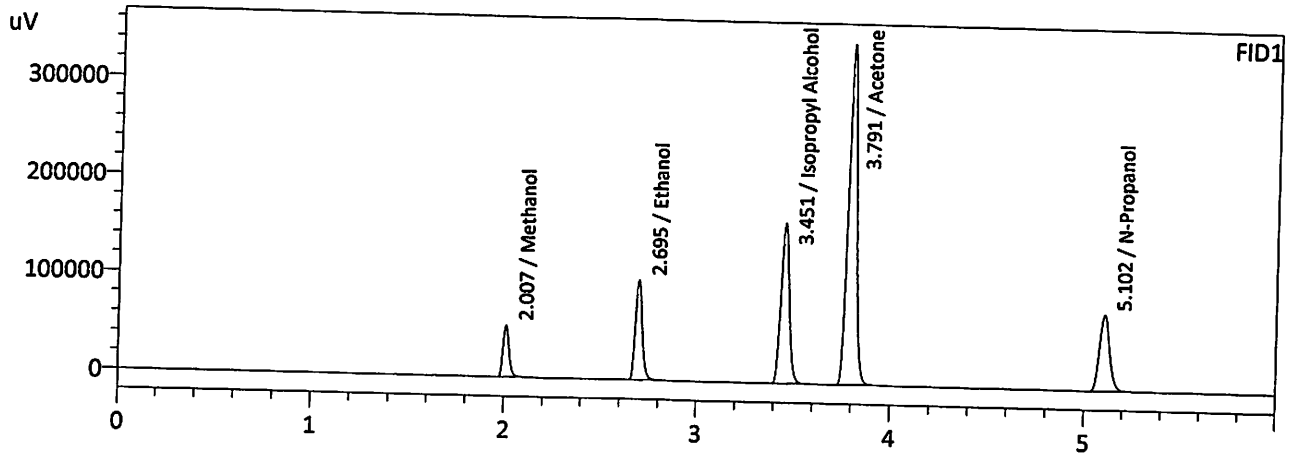
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210752	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

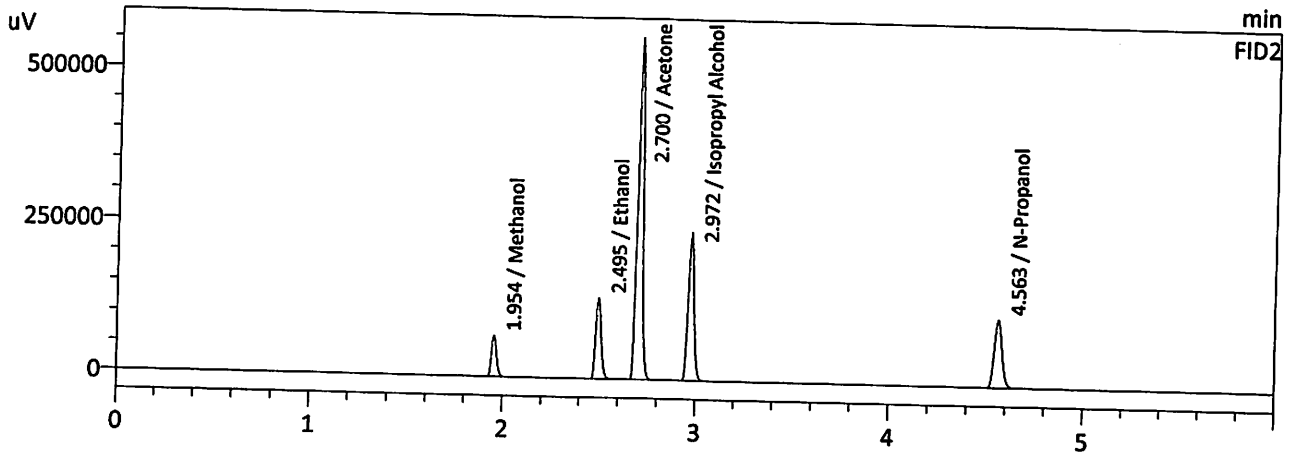
Meridian Blood Alcohol Analysis Batch Table

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 241127.gcm
2	ED VOLATILES FN 0530	0:Unknown	1	ALCOHOL 241127.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 241127.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 241127.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 241127.gcm
6	0.08 QA	0:Unknown	0	ALCOHOL 241127.gcm
7	M2024-4842-1	0:Unknown	0	ALCOHOL 241127.gcm
8	M2024-4842-1-B	0:Unknown	0	ALCOHOL 241127.gcm
9	M2024-4876-1	0:Unknown	0	ALCOHOL 241127.gcm
10	M2024-4876-1-B	0:Unknown	0	ALCOHOL 241127.gcm
11	M2024-4877-1	0:Unknown	0	ALCOHOL 241127.gcm
12	M2024-4877-1-B	0:Unknown	0	ALCOHOL 241127.gcm
13	M2024-4878-1	0:Unknown	0	ALCOHOL 241127.gcm
14	M2024-4878-1-B	0:Unknown	0	ALCOHOL 241127.gcm
15	M2024-4880-1	0:Unknown	0	ALCOHOL 241127.gcm
16	M2024-4880-1-B	0:Unknown	0	ALCOHOL 241127.gcm
17	M2024-4907-1	0:Unknown	0	ALCOHOL 241127.gcm
18	M2024-4907-1-B	0:Unknown	0	ALCOHOL 241127.gcm
19	M2024-4907-2	0:Unknown	0	ALCOHOL 241127.gcm
20	M2024-4907-2-B	0:Unknown	0	ALCOHOL 241127.gcm
21	M2024-4911-1	0:Unknown	0	ALCOHOL 241127.gcm
22	M2024-4911-1-B	0:Unknown	0	ALCOHOL 241127.gcm
23	M2024-4912-1	0:Unknown	0	ALCOHOL 241127.gcm
24	M2024-4912-1-B	0:Unknown	0	ALCOHOL 241127.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 241127.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 241127.gcm
27	M2024-4922-1	0:Unknown	0	ALCOHOL 241127.gcm
28	M2024-4922-1-B	0:Unknown	0	ALCOHOL 241127.gcm
29	M2024-4948-1	0:Unknown	0	ALCOHOL 241127.gcm
30	M2024-4948-1-B	0:Unknown	0	ALCOHOL 241127.gcm
31	M2024-4949-1	0:Unknown	0	ALCOHOL 241127.gcm
32	M2024-4949-1-B	0:Unknown	0	ALCOHOL 241127.gcm
33	M2024-4959-1	0:Unknown	0	ALCOHOL 241127.gcm
34	M2024-4959-1-B	0:Unknown	0	ALCOHOL 241127.gcm
35	M2024-4960-1	0:Unknown	0	ALCOHOL 241127.gcm
36	M2024-4960-1-B	0:Unknown	0	ALCOHOL 241127.gcm
37	M2024-4970-1	0:Unknown	0	ALCOHOL 241127.gcm
38	M2024-4970-1-B	0:Unknown	0	ALCOHOL 241127.gcm
39	M2024-4977-1	0:Unknown	0	ALCOHOL 241127.gcm
40	M2024-4977-1-B	0:Unknown	0	ALCOHOL 241127.gcm
41	M2024-5004-1	0:Unknown	0	ALCOHOL 241127.gcm
42	M2024-5004-1-B	0:Unknown	0	ALCOHOL 241127.gcm
43	M2024-5025-1	0:Unknown	0	ALCOHOL 241127.gcm
44	M2024-5025-1-B	0:Unknown	0	ALCOHOL 241127.gcm
45	M2024-5029-1	0:Unknown	0	ALCOHOL 241127.gcm
46	M2024-5029-1-B	0:Unknown	0	ALCOHOL 241127.gcm
47	QC1-2	0:Unknown	0	ALCOHOL 241127.gcm
48	QC1-2-B	0:Unknown	0	ALCOHOL 241127.gcm
49	M2024-5031-1	0:Unknown	0	ALCOHOL 241127.gcm
50	M2024-5031-1-B	0:Unknown	0	ALCOHOL 241127.gcm
51	M2024-5037-1	0:Unknown	0	ALCOHOL 241127.gcm
52	M2024-5037-1-B	0:Unknown	0	ALCOHOL 241127.gcm
53	QC2-2	0:Unknown	0	ALCOHOL 241127.gcm
54	QC2-2-B	0:Unknown	0	ALCOHOL 241127.gcm
55	INT STD BLK 1	0:Unknown	0	ALCOHOL 241127.gcm
56	DFE 1119140 M	0:Unknown	0	ALCOHOL 241127.gcm
57	INT STD BLK 1	0:Unknown	0	ALCOHOL 241127.gcm
58	TFE 111914	0:Unknown	0	ALCOHOL 241127.gcm
59	INT STD BLK	0:Unknown	0	ALCOHOL 241127.gcm

Sample Name	: MIXED VOLATILES FN 05302307
Laboratory	: Meridian
Injection Date	: 11/27/2024 12:37:08 PM
Vial #	: 2
Method Filename	: Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

min

Name	Conc.	Area	Unit
Methanol	0.0000	111796	g/100cc
Ethanol	0.3955	245128	g/100cc
Isopropyl Alcohol	0.0000	483670	g/100cc
Acetone	0.0000	1041528	g/100cc
N-Propanol	0.0000	290544	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	122569	g/100cc
Ethanol	0.3961	261590	g/100cc
Acetone	0.0000	1107382	g/100cc
Isopropyl Alcohol	0.0000	510067	g/100cc
N-Propanol	0.0000	309071	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 11/27/2024 1:13:56 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0825	0.0824	0.0001	0.0824	0.0012	0.0830
(g/100cc)	0.0836	0.0836	0.0000	0.0836		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

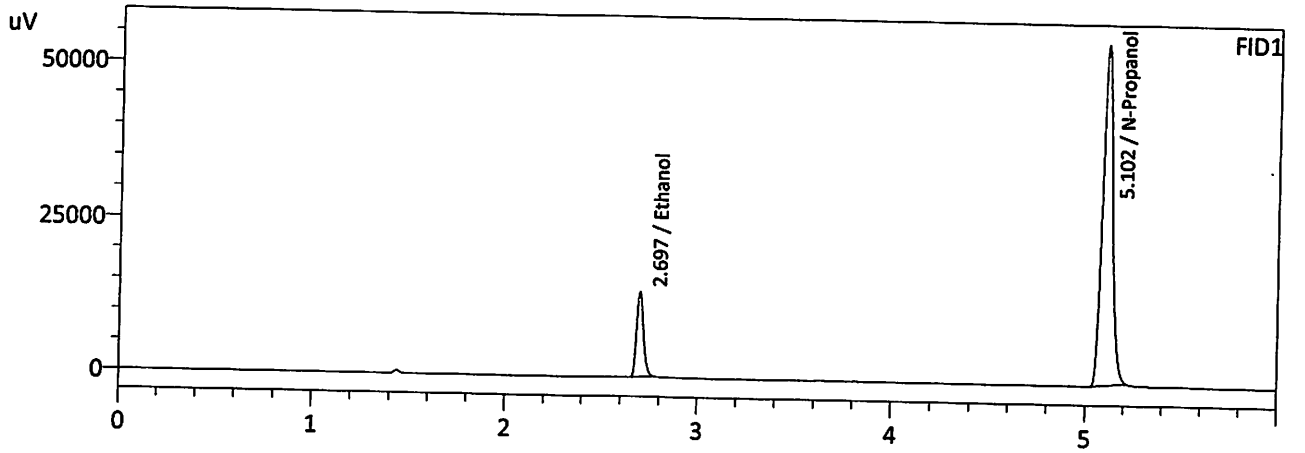
Refer To Instrument Method: ALCOHOL_241127.gcm

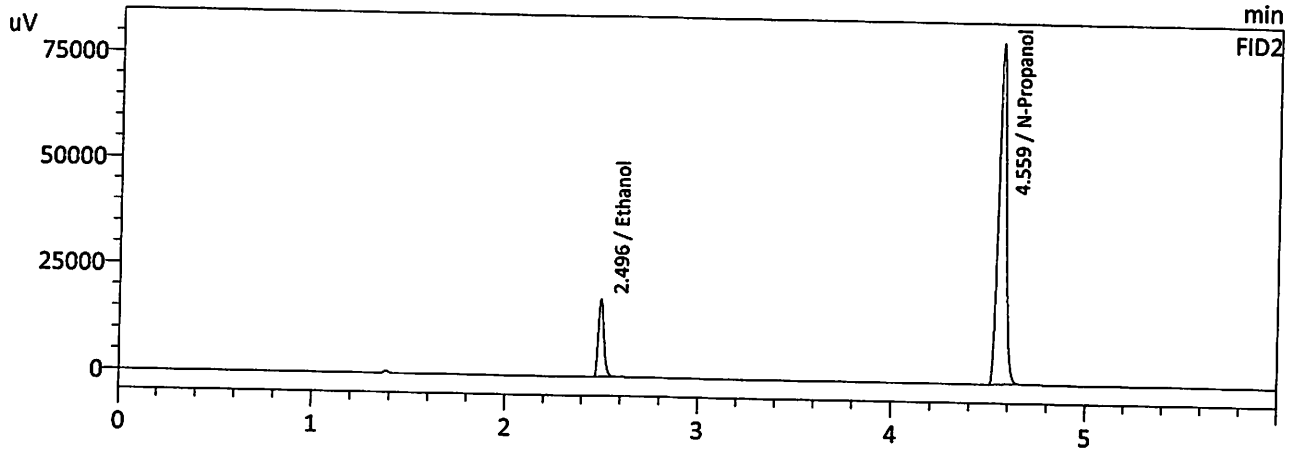
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

Reported Results
0.083

Calibration and control data are stored centrally.

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 11/27/2024 1:13:56 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





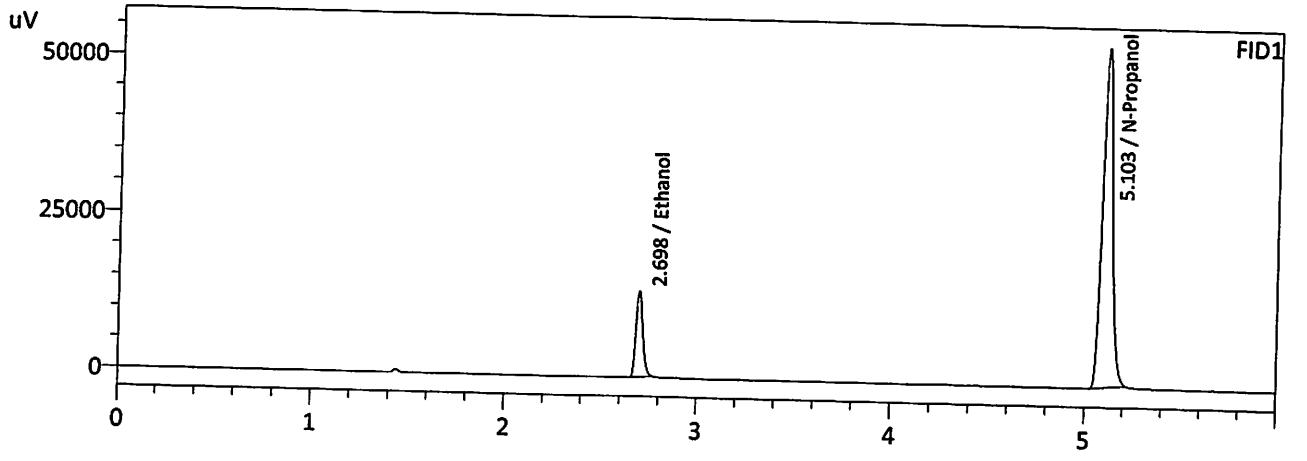
FID1

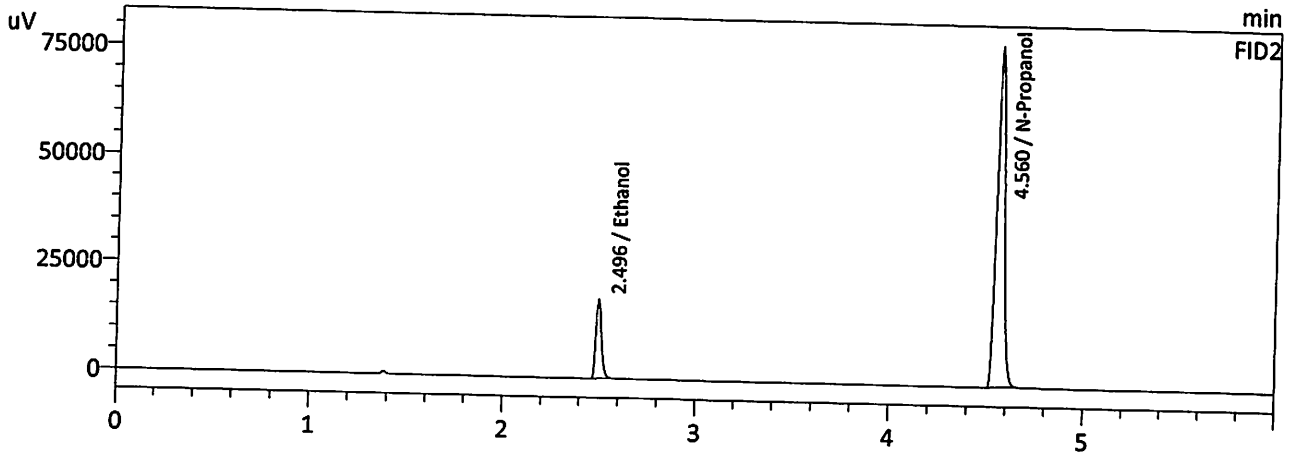
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0825	33833	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208551	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	36031	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222196	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 11/27/2024 1:26:00 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1 min

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0836	33703	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204574	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0836	35934	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218233	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

N

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s):** 11/27/2024 12:49:17 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	0.0813	0.0002	0.0814	0.0003	0.0815
(g/100cc)	0.0817	0.0817	0.0000	0.0817		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

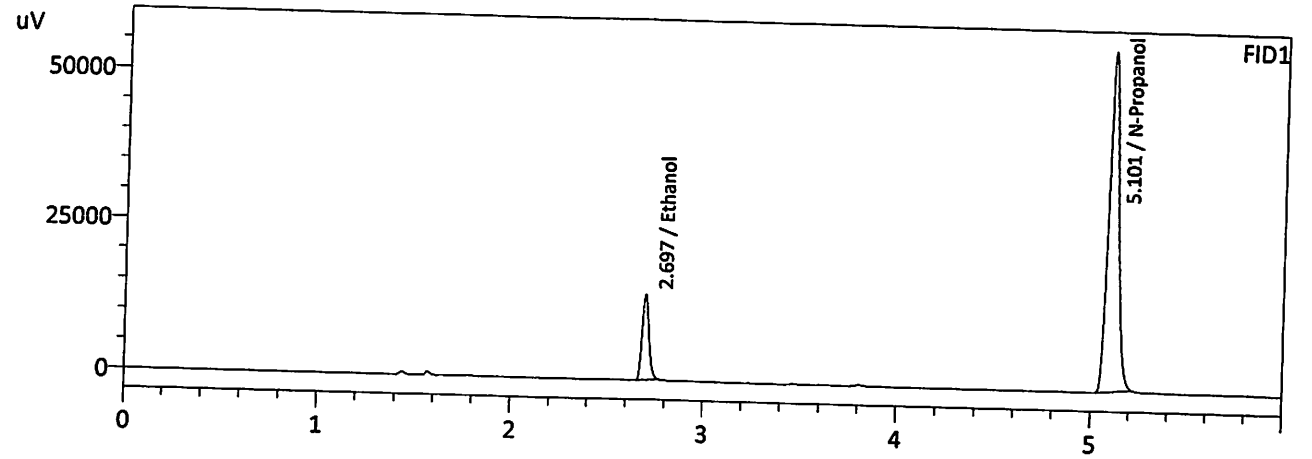
Refer To Instrument Method: ALCOHOL_241127.gcm

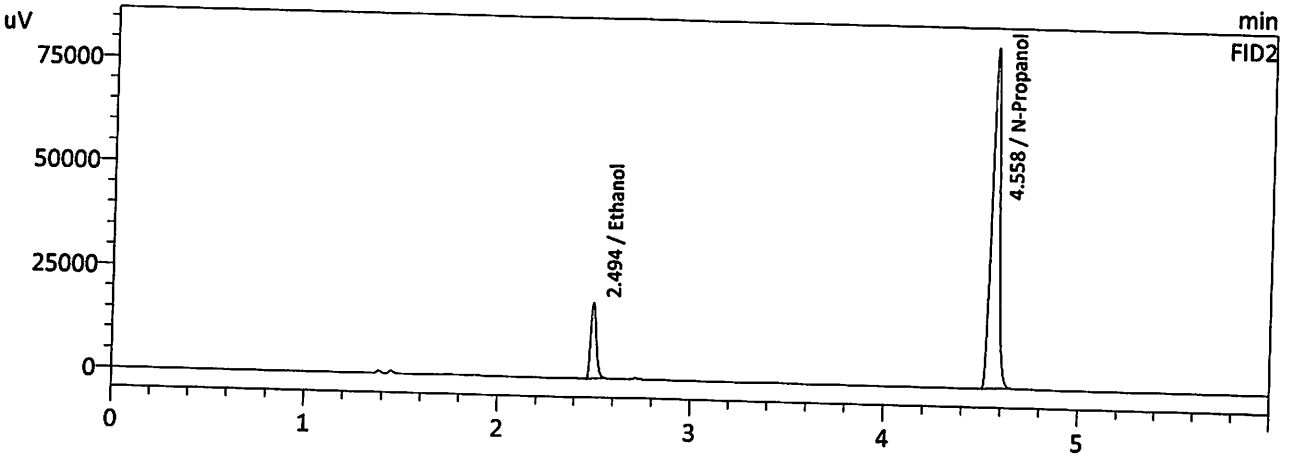
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 11/27/2024 12:49:17 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





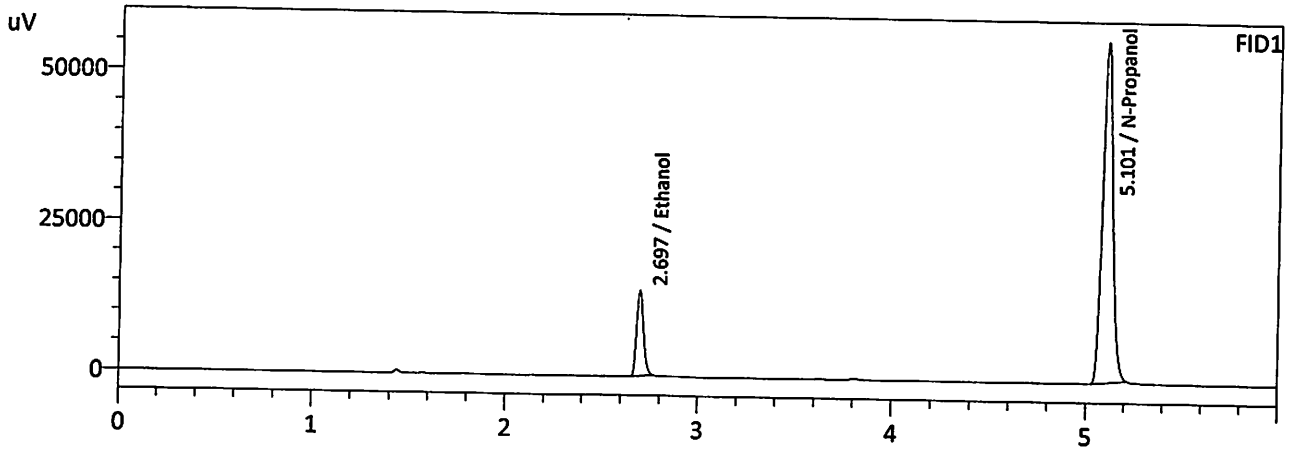
FID1 min

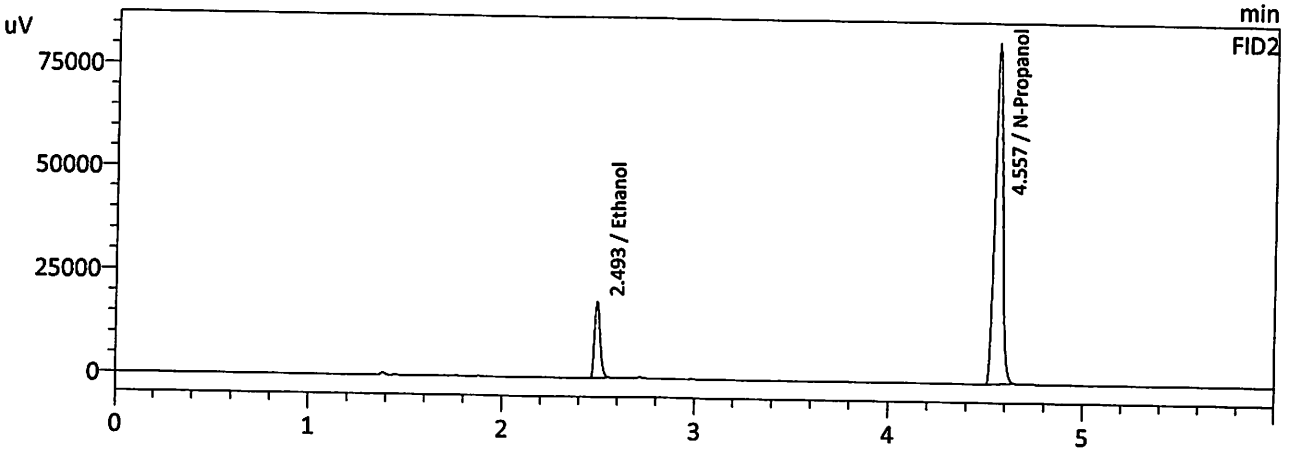
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0815	34210	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213637	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	36447	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228078	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 11/27/2024 1:01:28 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	34416	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	214176	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	36723	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228642	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2 **Analysis Date(s): 11/27/2024 9:52:32 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0863	0.0863	0.0000	0.0863	0.0002	0.0862
(g/100cc)	0.0860	0.0862	0.0002	0.0861		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_241127.gcm

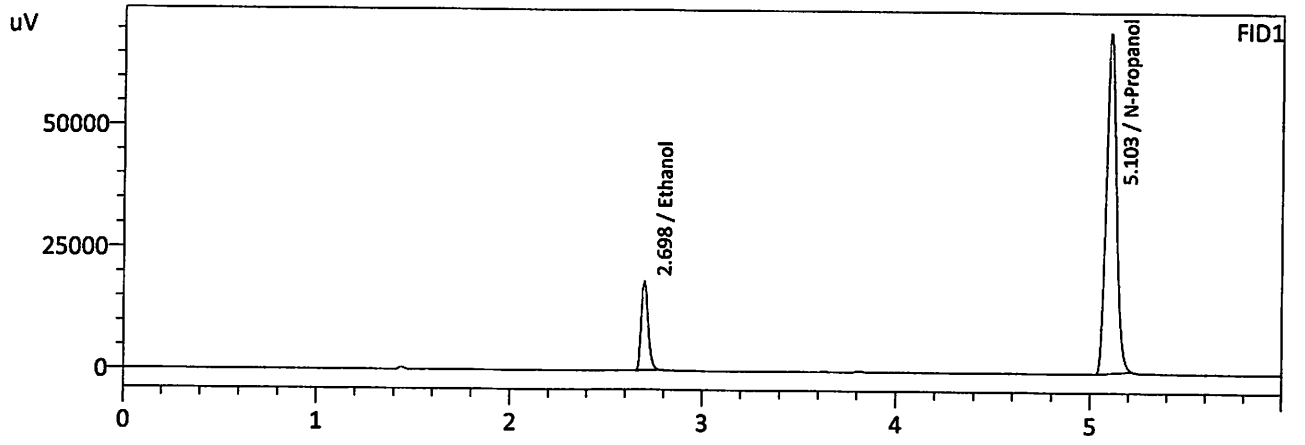
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

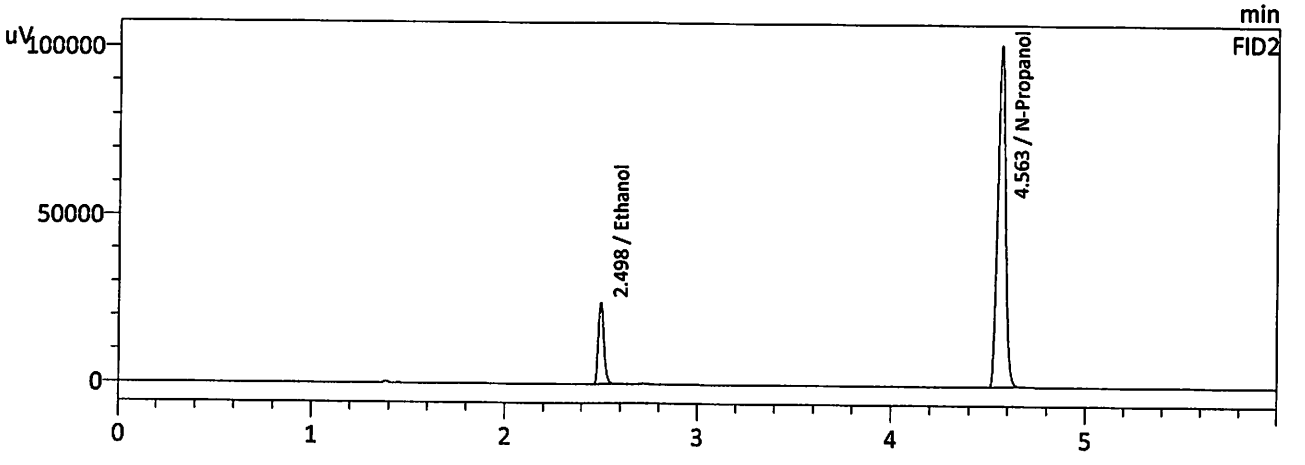
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.086	0.081	0.091	0.005

Reported Results
0.086

Calibration and control data are stored centrally.

Sample Name : QC1-2
Laboratory : Meridian
Injection Date : 11/27/2024 9:52:32 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





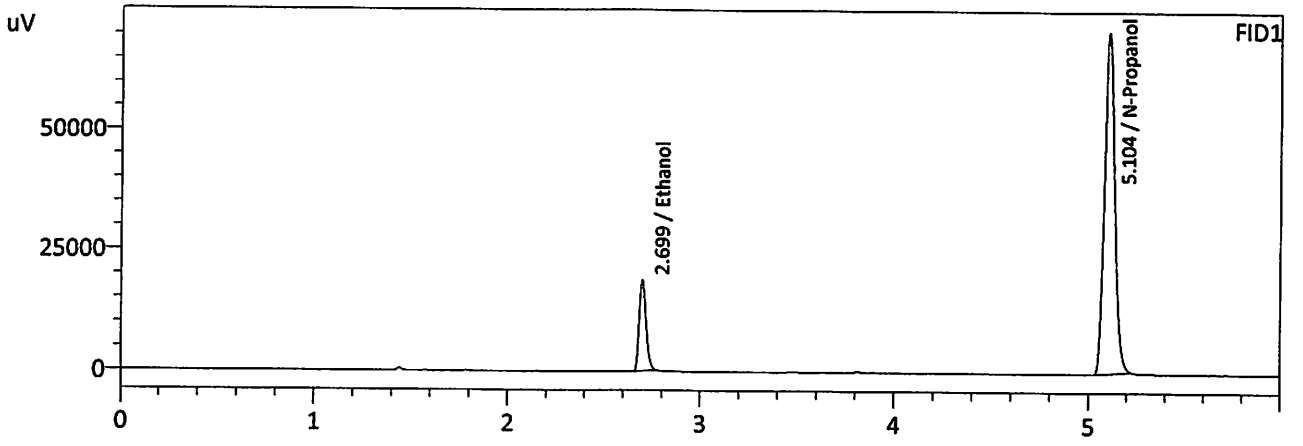
FID1

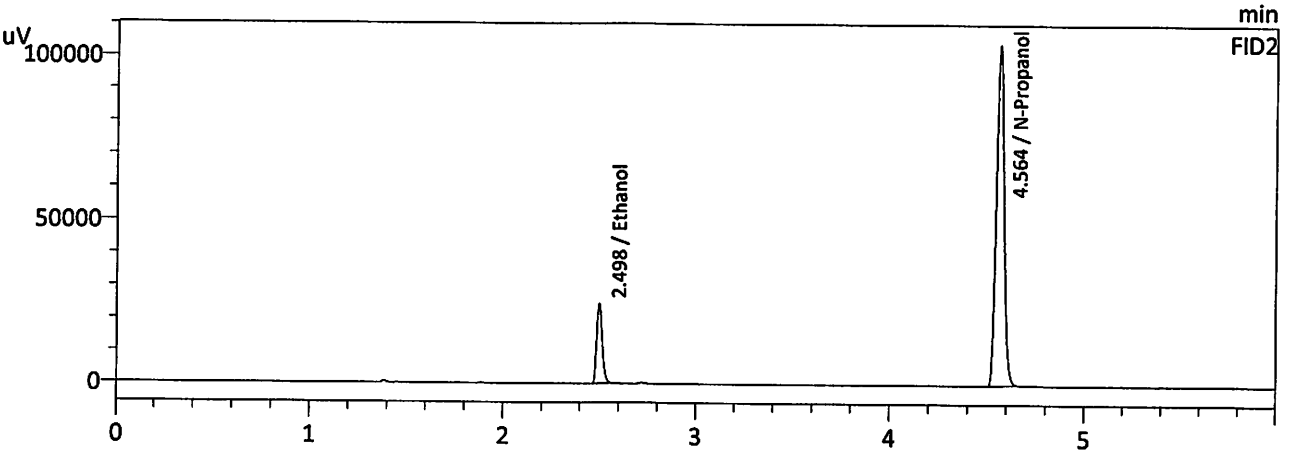
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0863	45138	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	264498	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0863	48172	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	282519	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 11/27/2024 10:05:05 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0860	45786	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	269260	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0862	48957	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	287410	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 11/27/2024 5:20:47 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2084	0.2082	0.0002	0.2083	0.0015	0.2090
(g/100cc)	0.2097	0.2099	0.0002	0.2098		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_241127.gcm

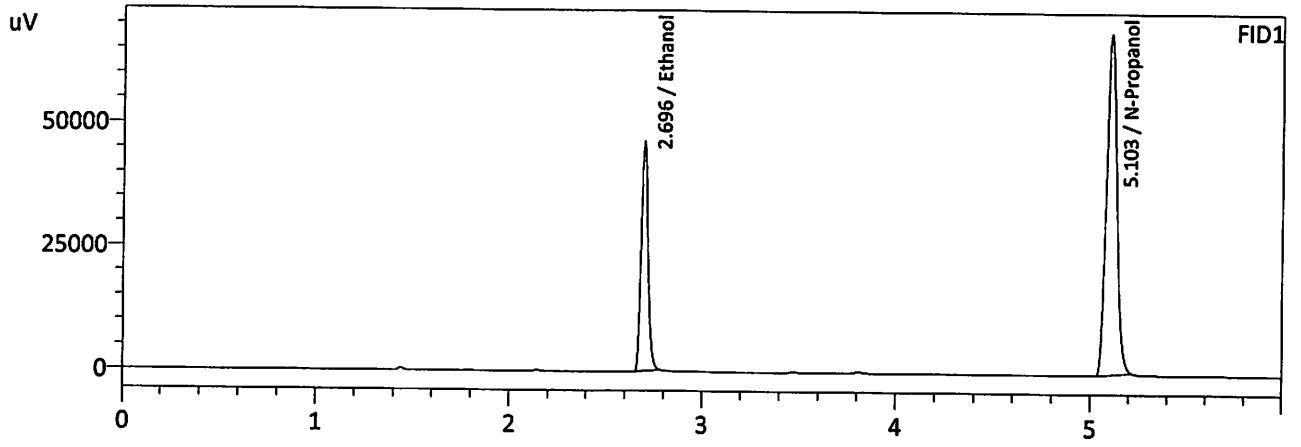
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

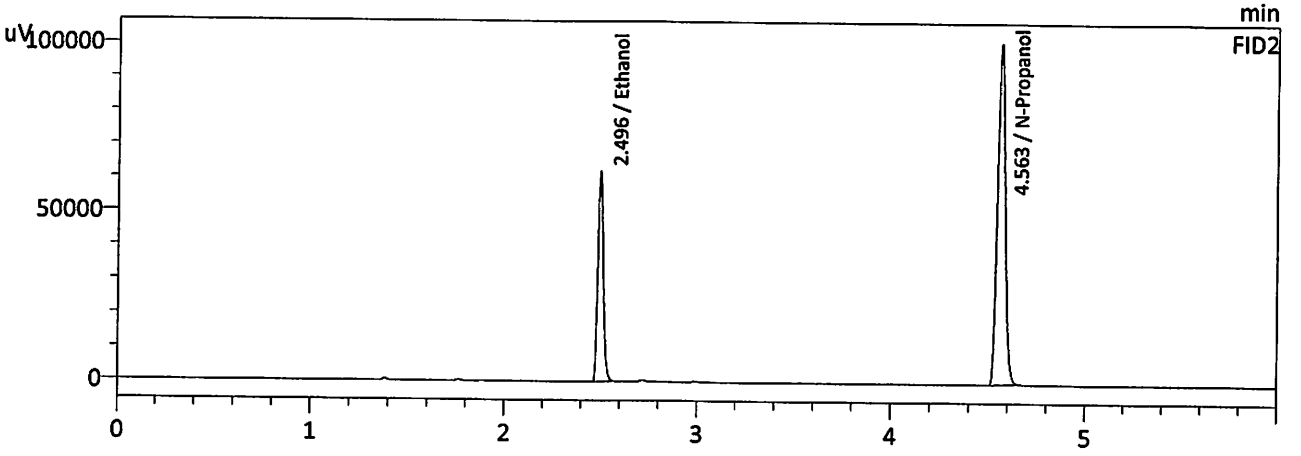
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.209	0.198	0.220	0.011

Reported Results
0.209

Calibration and control data are stored centrally.

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 11/27/2024 5:20:47 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





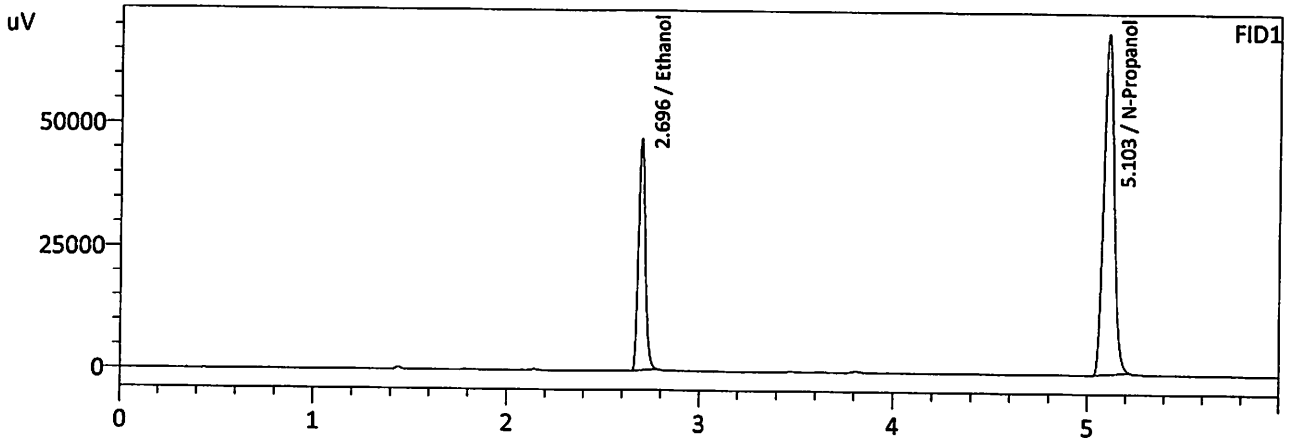
FID1

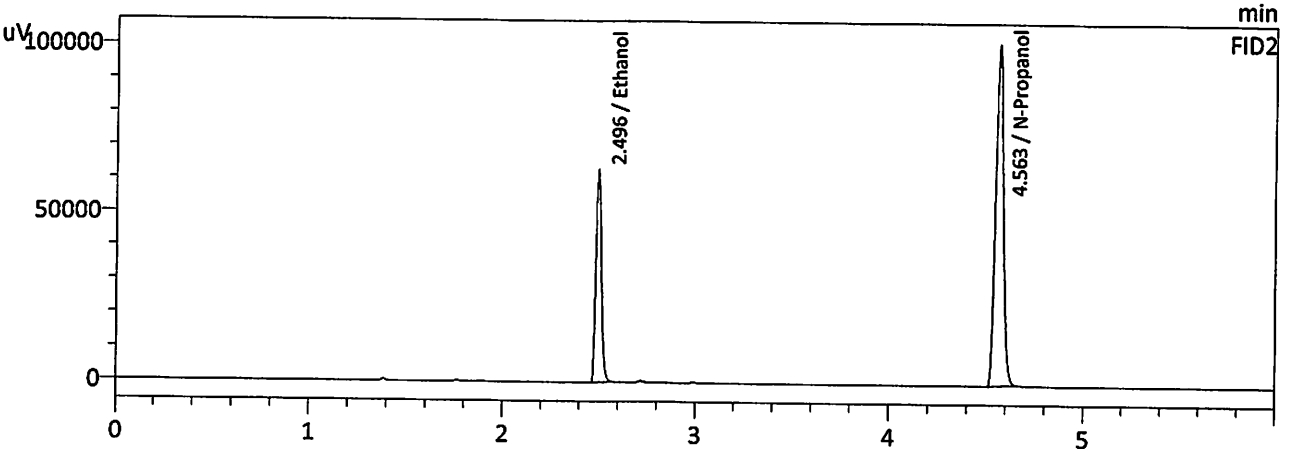
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2084	113913	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	261062	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2082	121640	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	278667	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 11/27/2024 5:33:02 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2097	115255	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	262443	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2099	123491	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	280487	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2 **Analysis Date(s): 11/27/2024 11:07:05 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2076	0.2077	0.0001	0.2076	0.0033	0.2092
(g/100cc)	0.2108	0.2110	0.0002	0.2109		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_241127.gcm

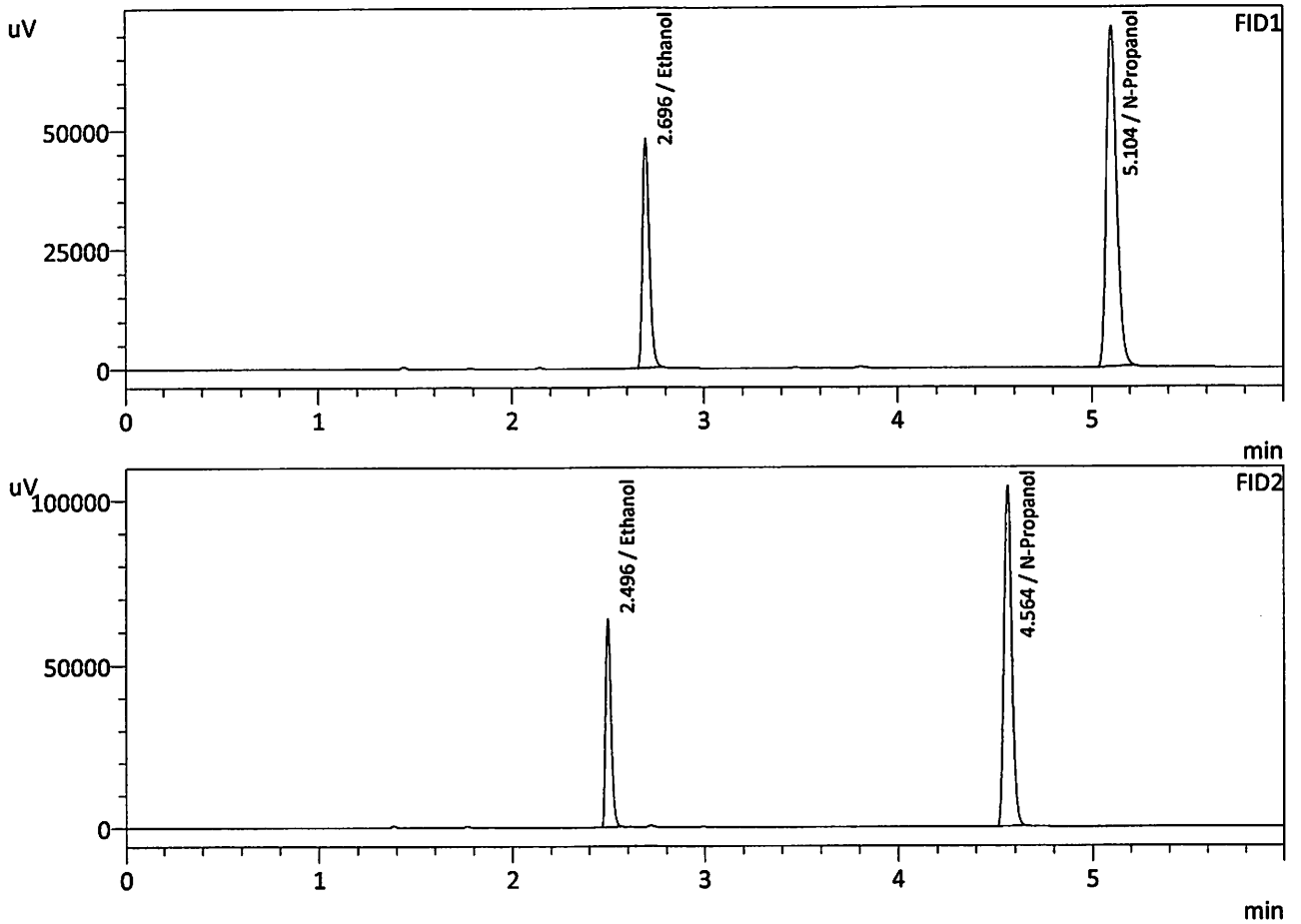
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.209	0.198	0.220	0.011

Reported Results
0.209

Calibration and control data are stored centrally.

Sample Name : QC2-2
Laboratory : Meridian
Injection Date : 11/27/2024 11:07:05 PM
Vial # : 53
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409



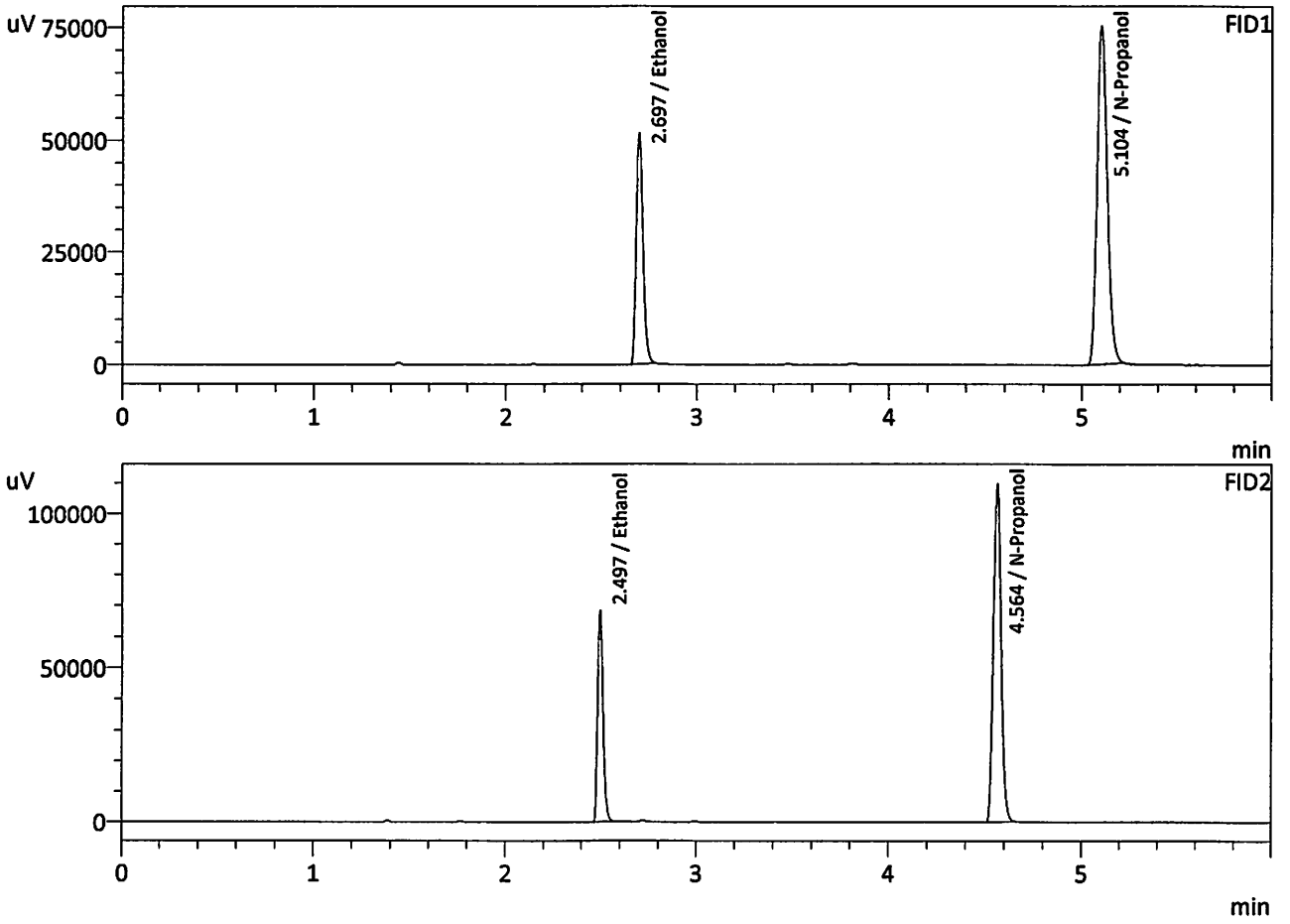
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2076	117110	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	269432	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2077	125120	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	287275	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name	: QC2-2-B
Laboratory	: Meridian
Injection Date	: 11/27/2024 11:19:17 PM
Vial #	: 54
Method Filename	: Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

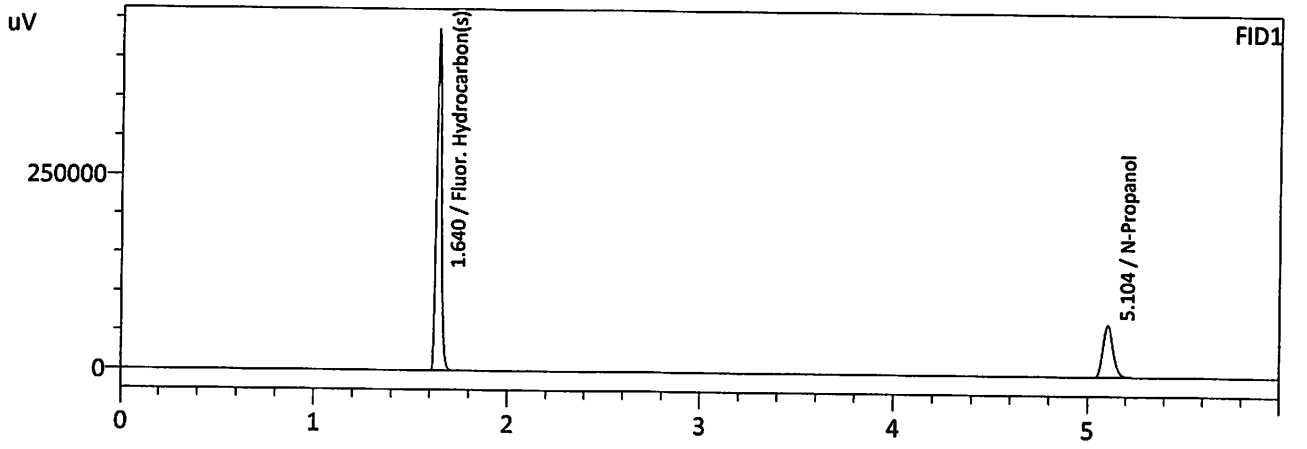
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2108	125533	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	284236	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

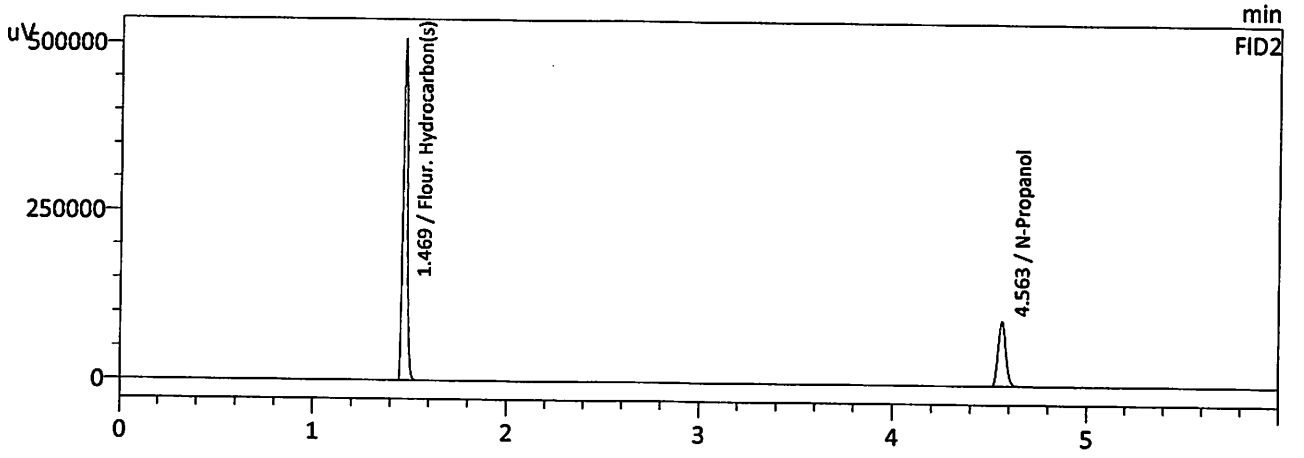
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2110	134441	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	303706	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : DFE 1119140 M
Laboratory : Meridian
Injection Date : 11/27/2024 11:43:47 PM
Vial # : 56
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





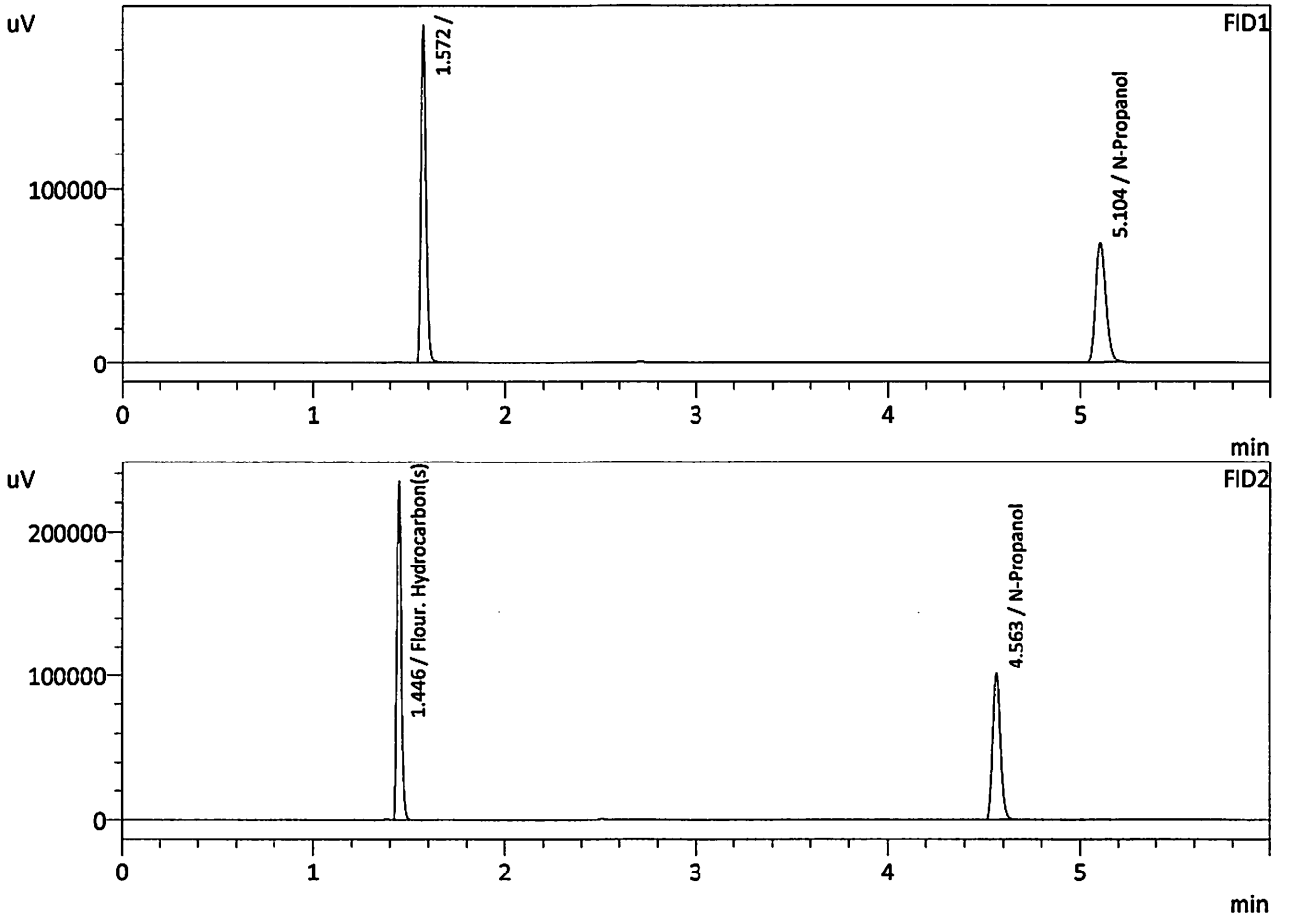
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	251093	g/100cc
Fluor. Hydrocarbon(s)	0.0000	764935	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	268630	g/100cc
Flour. Hydrocarbon(s)	0.0000	800264	g/100cc

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : 11/28/2024 12:08:55 AM
Vial # : 58
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409



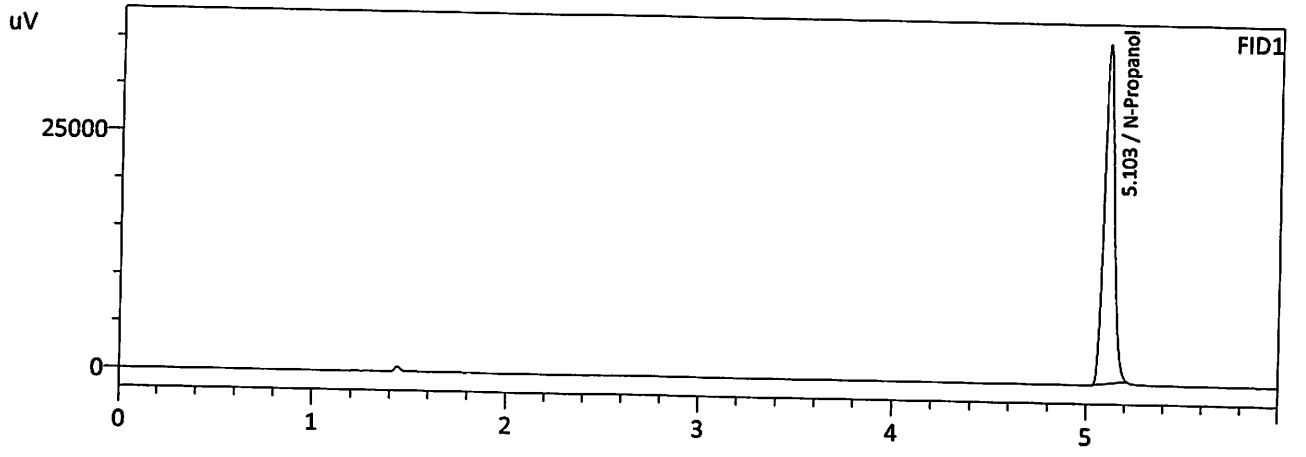
FID1

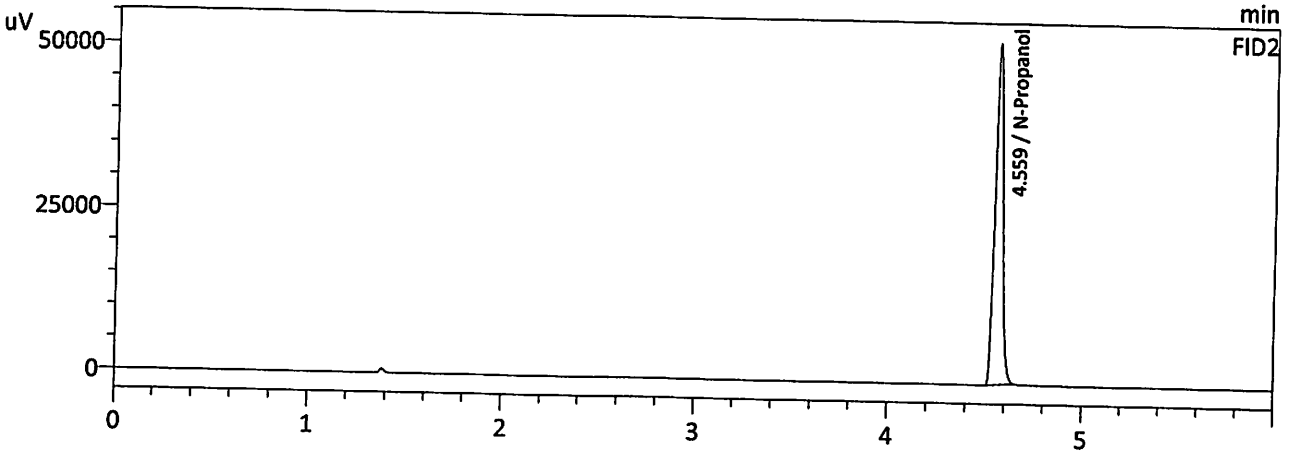
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	260451	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	278390	g/100cc
Flour. Hydrocarbon(s)	0.0000	368411	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 11/27/2024 12:24:23 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

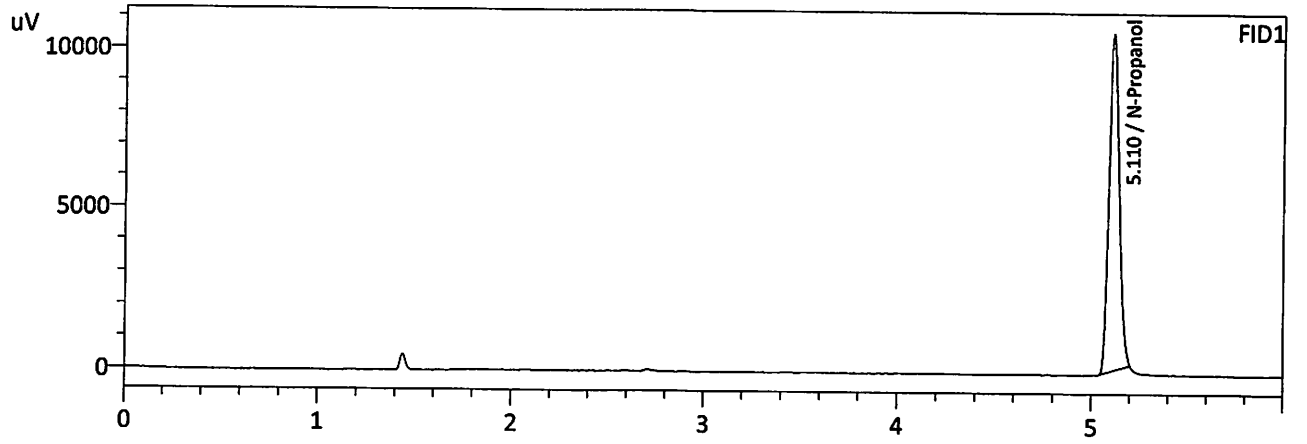
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	135169	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

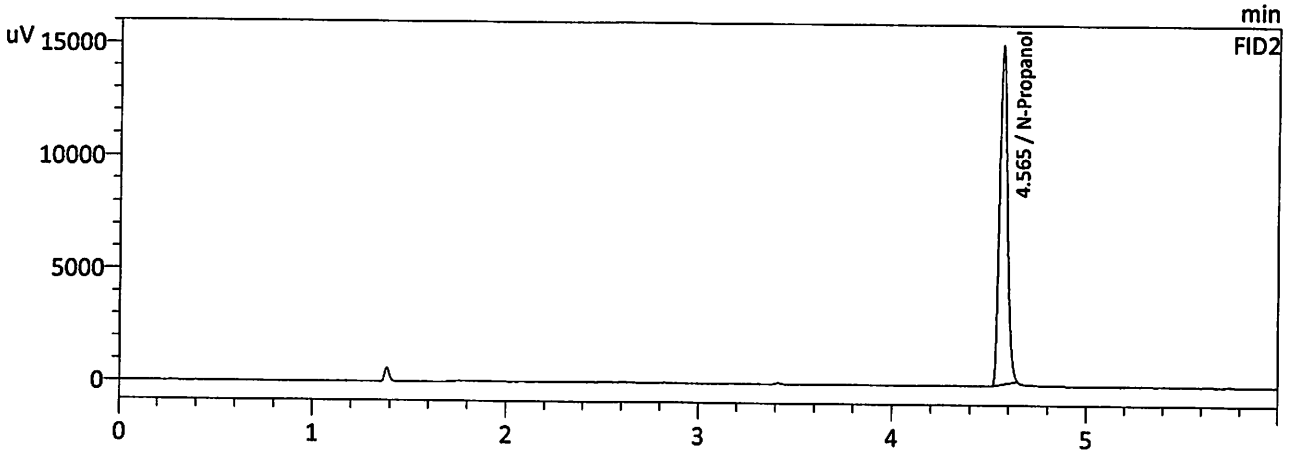
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	144769	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name	: INT STD BLK 1
Laboratory	: Meridian
Injection Date	: 11/27/2024 11:31:43 PM
Vial #	: 55
Method Filename	: Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





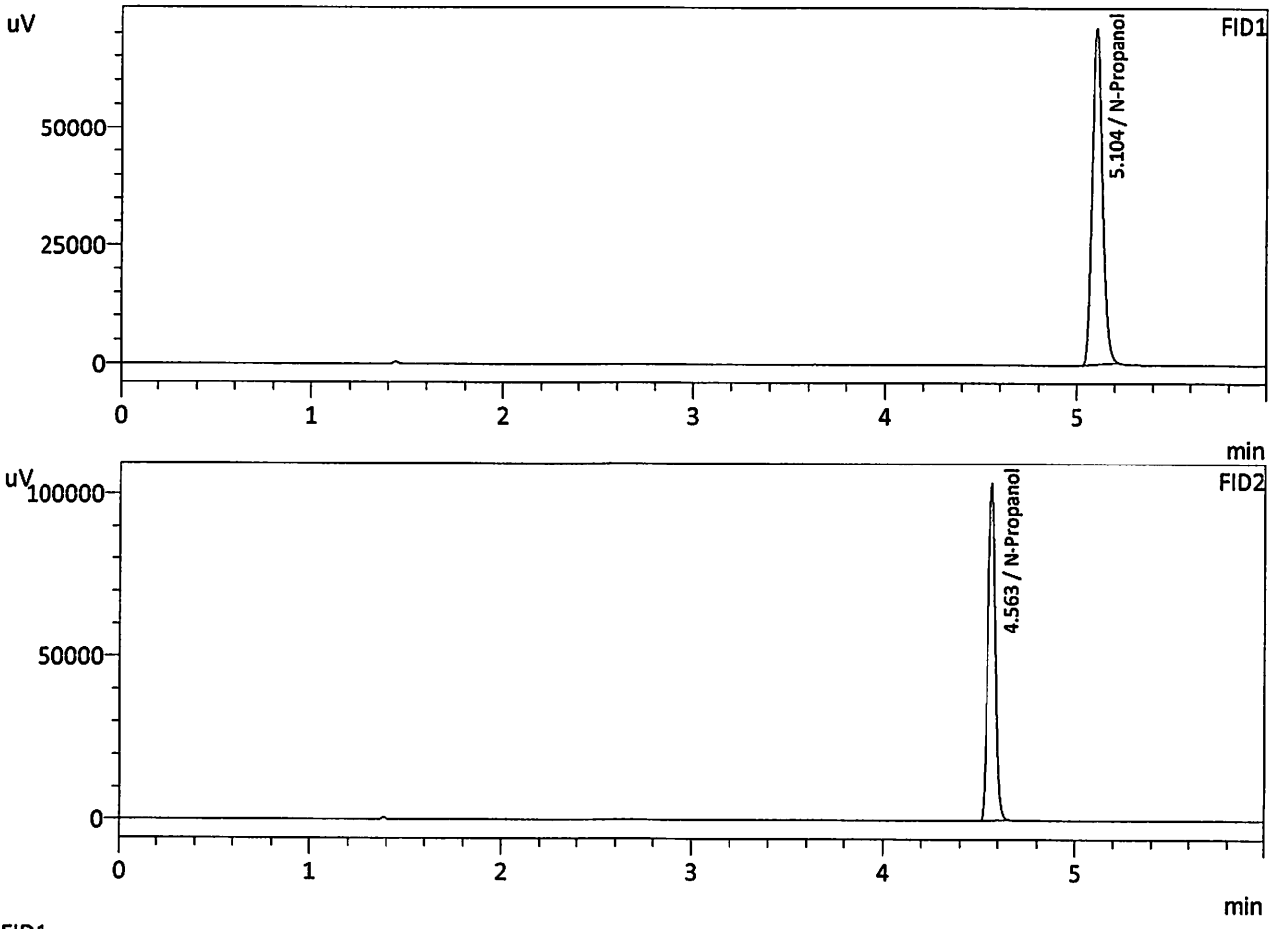
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	39475	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	42203	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 11/27/2024 11:56:33 PM
Vial # : 57
Method Filename : Default Project - ALCOHOL_241127.gcm
Instrument #GC/HS : C12255750548 / C12595800409



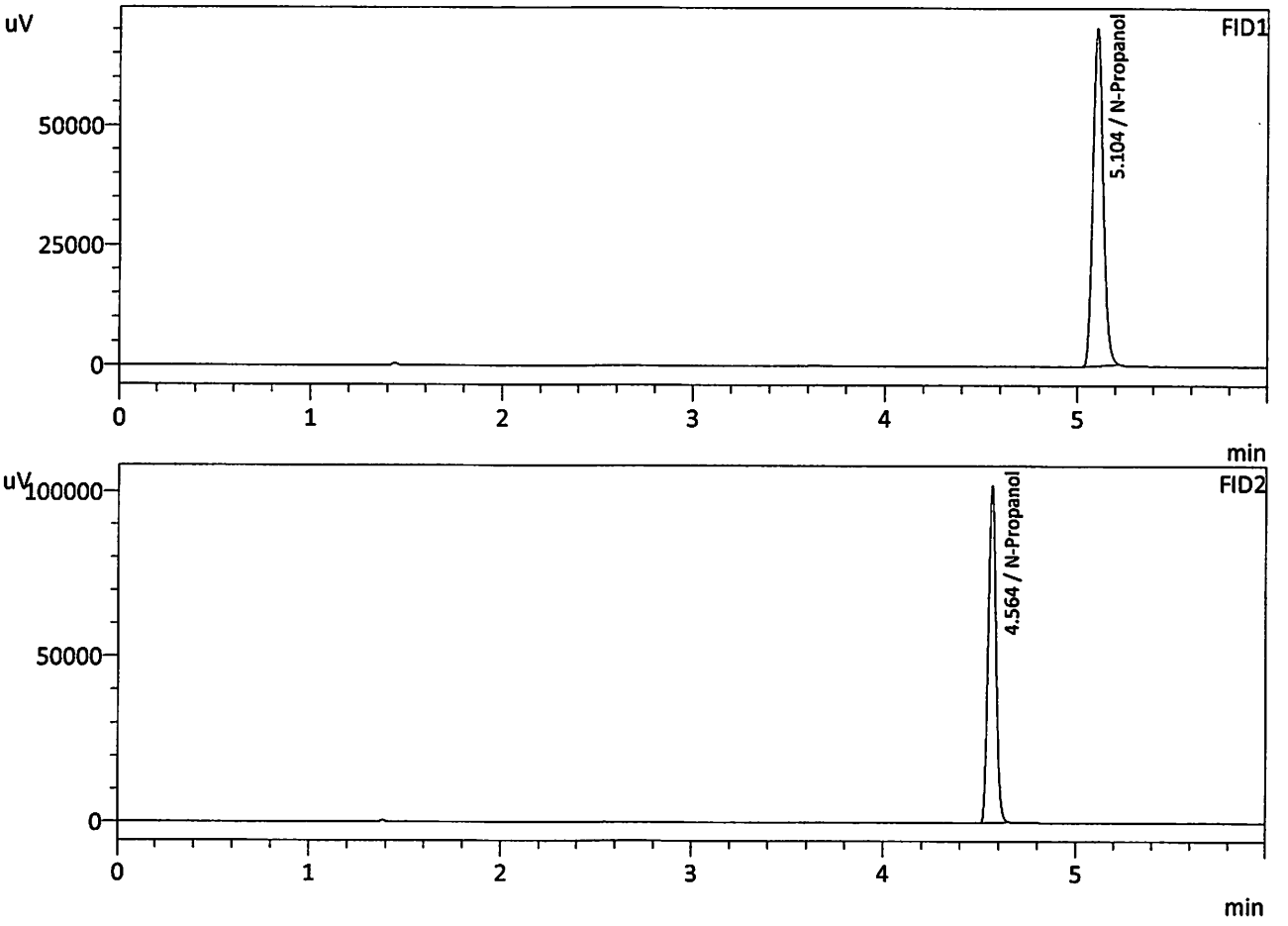
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	268159	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	286677	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 11/28/2024 12:21:29 AM
Vial # : 59
Method Filename : Default Project - ALCOHOL_241127.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	265175	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	282808	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc