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):** **11/12/25**

Calibration Date: *(if different)* **10/30/25**

Worklist #: **7304**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	May-27	2302199	0.0837	0.0754-0.0920	0.0828 g/100cc
					g/100cc
					g/100cc
Level 2	May-27	2302120	0.2054	0.1849-0.2259	0.2086 g/100cc
					0.2090 g/100cc
					g/100cc
Multi-Component mixture:	**Exp:**	**May 2028**	**Lot #**	FN05302307	
Curve Fit:		Column 1	0.99996	Column2	0.99994

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0515	0.0519	0.0004	0.0517
100	0.100	0.090 - 0.110	0.0990	0.0987	0.0003	0.0988
200	0.200	0.180 - 0.220	0.1991	0.1989	0.0002	0.199
300	0.300	0.270 - 0.330	0.2997	0.2996	0.0001	0.2996
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5006	0.0001	0.5005

Aqueous Controls

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

JG

Internal Standard Monitoring Worksheet

Worklist #: 7304 **Run Date(s):** 11/12/25

Internal Standard Solution:	Prep Date:	9/5/2025	Exp Date:	3/5/2026

Sample Name	Column 1 Value	Column 2 Value
0.080	164189	172238
0.080	166500	174519
QC1	163481	171374
QC1	166276	174551
QC1		
QC1		
QC1		
QC1		
QC2	183404	192372
QC2	188322	197805
QC2	188673	197828
QC2	189433	198660
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	176284.8	141027.8	211541.7
Column 2	184918.4	147934.7	221902.1

JG

Idaho State Police
Forensic Services

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): ISP Dev Alc-25-01

Date of Request:
11/14/25

Requestor/Discipline:
John Garner/Volatiles

Analytical Method/Quality Standard, Revision #:
4.3.9 Internal Standard Recovery Monitoring
4.3.9.1.3 Acceptable IS recovery values for case samples run with a specific calibration curve must have their FID1 and FID2 IS values fall within +/- 20% of the mean values established in 4.3.9.1.1.

Temporary or Permanent Deviation:

Temporary until the next method update.

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc):
Deviation is for 1 blood alcohol case in which results have yet to be released. (M2025-4559)

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual):

Request to report out the zero ethanol detected cases in a batch where IS recovery values for one sample was outside the acceptable IS recovery value. The sample results were both 0.000. All other method requirements were met (see central data).

Technical Justification for Analytical Method Deviations:

The IS recovery value has no effect on this case where the detected ethanol level is zero. Rerunning this sample would use a large percentage of the remaining consumables and could potentially halt blood testing for the foreseeable future. Method will be updated to include a permanent exemption for reporting negative case results where the IS and other qualitative factors are present, but the quantitative QA/QC metrics have not been met.

JG

Technical Review

☒ Departure approved

☐ Departure Not Approved
Comments:

Approver:
Title: Volatiles Analysis Discipline Lead
Date: 11/15/2025

Quality Review

Quality Approver:
Title: Lab Improvement Manager
Date: 11/14/25

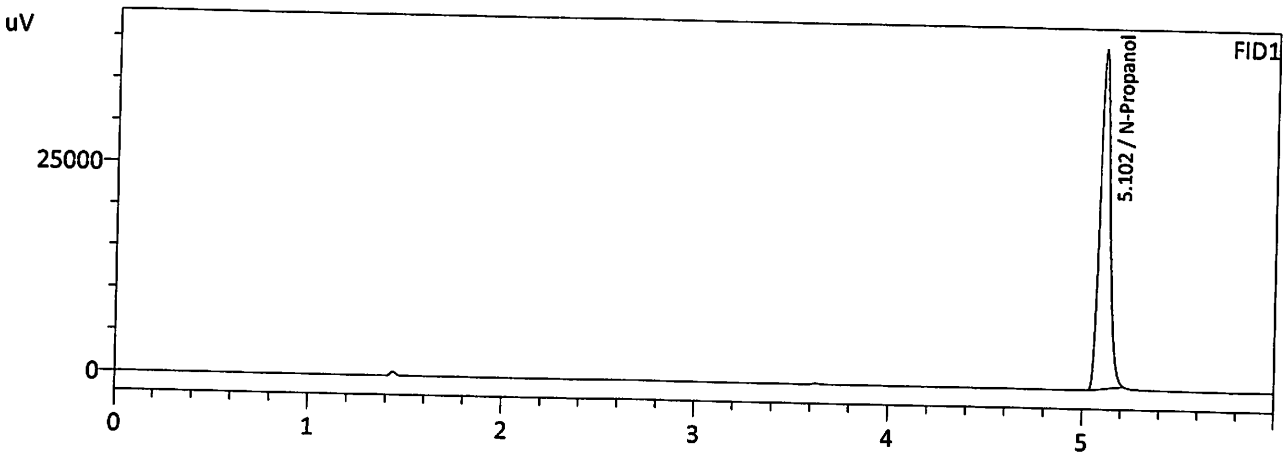
Jc

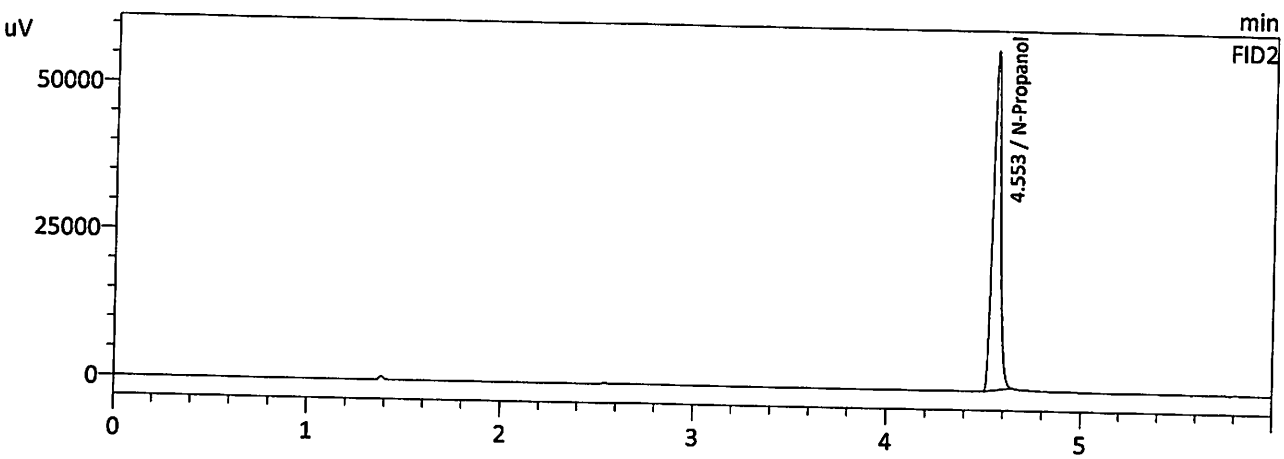
Worklist: 7304

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2025-4442	1	BCK	Alcohol Analysis
M2025-4534	1	BCK	Alcohol Analysis
M2025-4557	1	BCK	Alcohol Analysis
M2025-4557	2	BCK	Alcohol Analysis
M2025-4558	1	BCK	Alcohol Analysis
M2025-4559	1	BCK	Alcohol Analysis
M2025-4560	1	BCK	Alcohol Analysis
M2025-4561	1	BCK	Alcohol Analysis
M2025-4597	1	BCK	Alcohol Analysis
P2025-2929	1	BCK	Alcohol Analysis

JG

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 11/12/2025 10:46:39 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

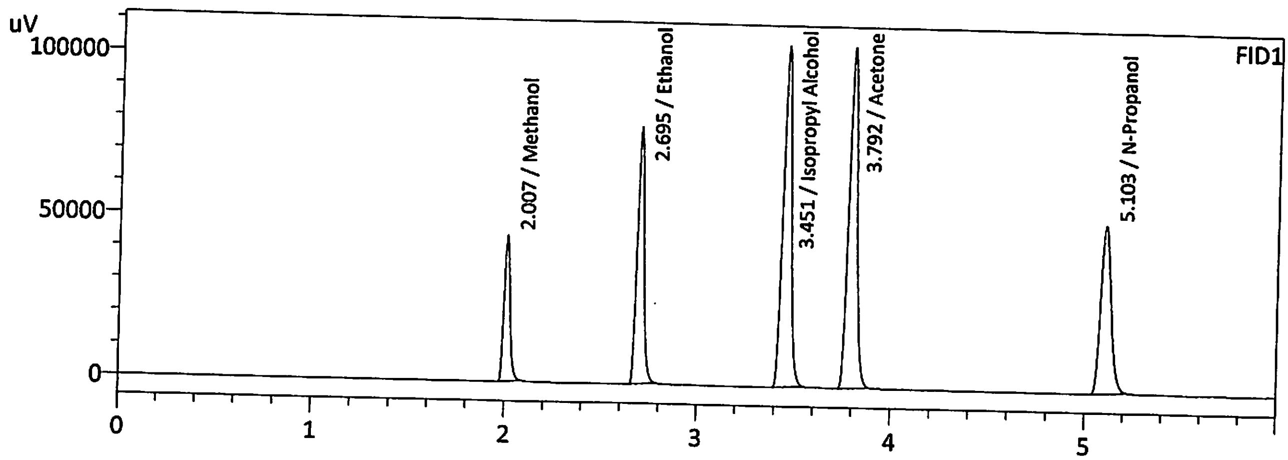
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	153513	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

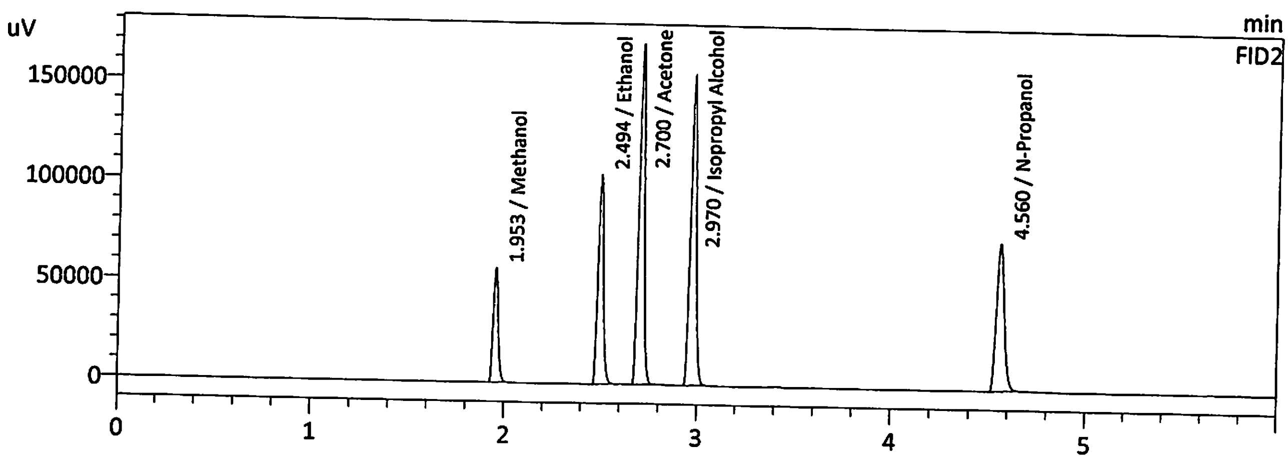
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	160443	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J.

Sample Name : MIXED VOLATILES FN 05302307
Laboratory : Meridian
Injection Date : 11/12/2025 10:59:23 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	95842	g/100cc
Ethanol	0.4386	192867	g/100cc
Isopropyl Alcohol	0.0000	311703	g/100cc
Acetone	0.0000	317808	g/100cc
N-Propanol	0.0000	196890	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	104033	g/100cc
Ethanol	0.4441	204625	g/100cc
Acetone	0.0000	337760	g/100cc
Isopropyl Alcohol	0.0000	326610	g/100cc
N-Propanol	0.0000	205075	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 | Analysis Date(s): 11/12/2025 11:11:28 AM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0824	0.0837	0.0013	0.0830	0.0004	0.0828
(g/100cc)	0.0819	0.0833	0.0014	0.0826		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_251030JG.gcm

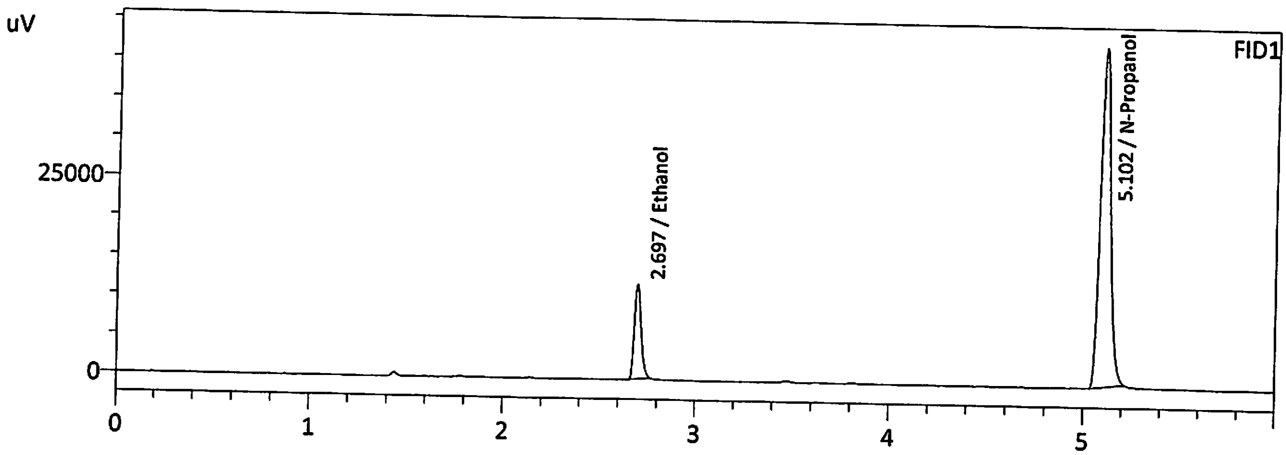
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

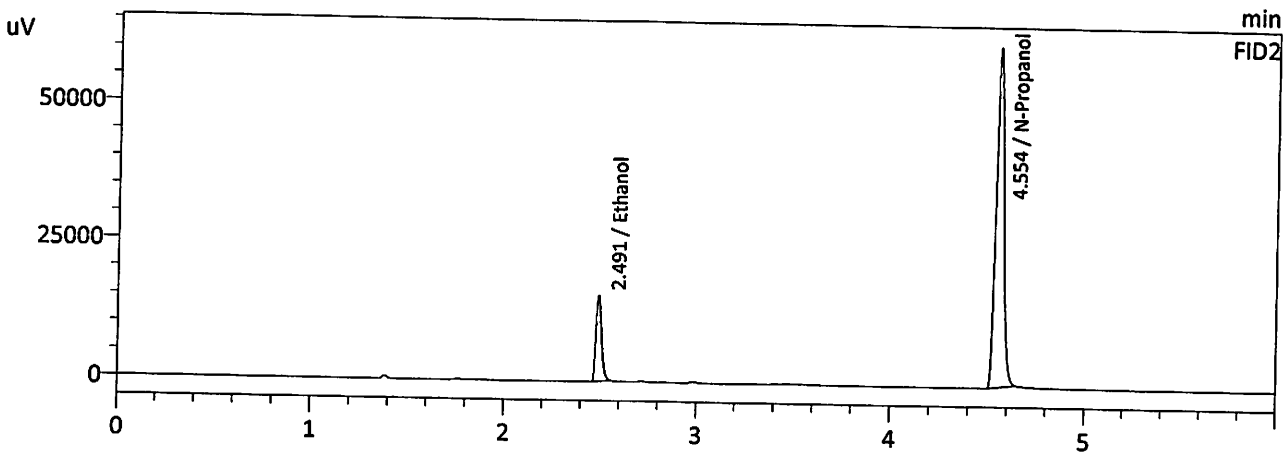
Reported Results
0.082

Calibration and control data are stored centrally.

36

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 11/12/2025 11:11:28 AM
Vial # : 3
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

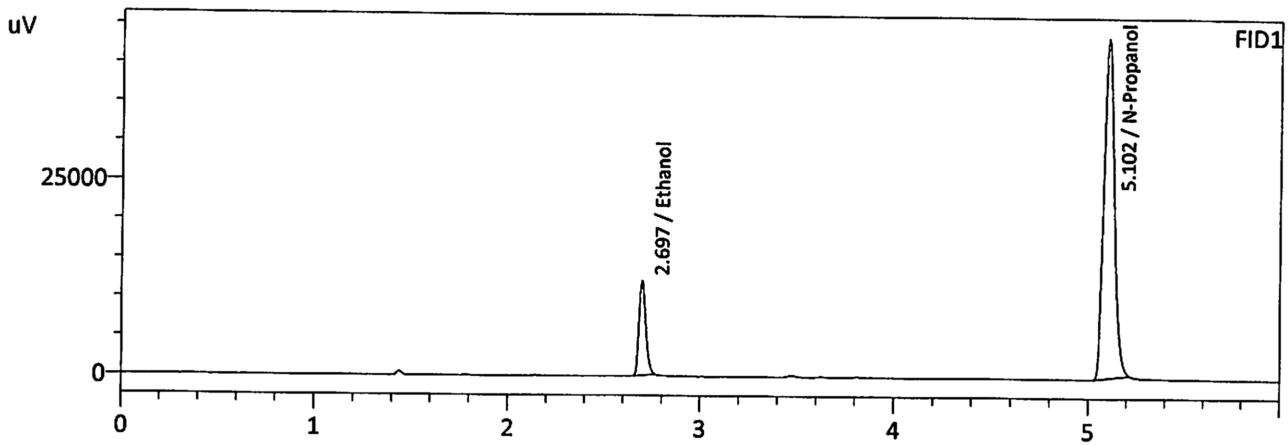
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	28987	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	163481	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

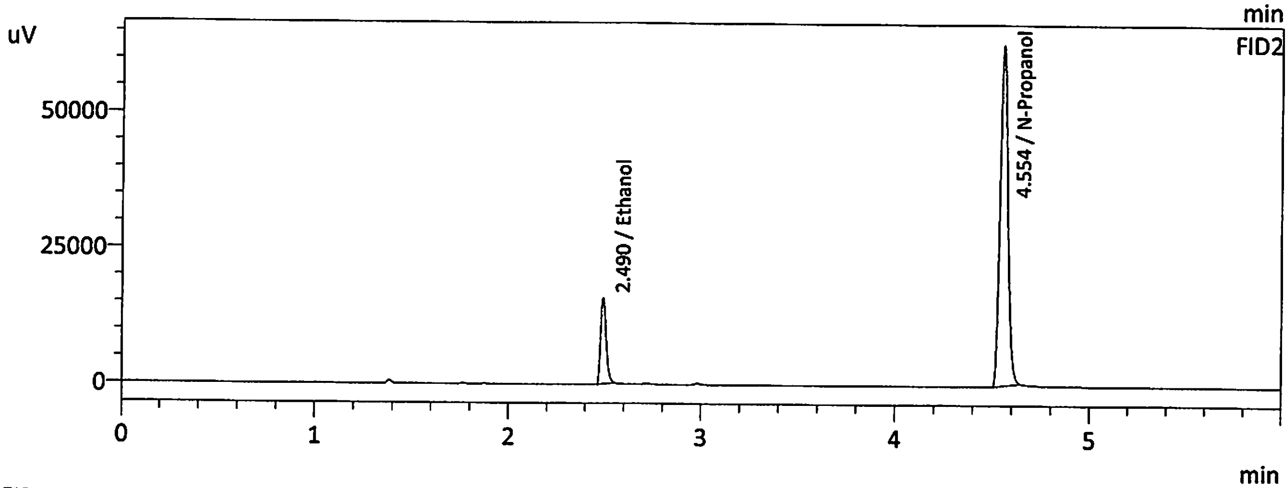
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	30868	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	171374	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name	: QC-1-1-B
Laboratory	: Meridian
Injection Date	: 11/12/2025 11:24:06 AM
Vial #	: 4
Method Filename	: Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	29296	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	166276	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0833	31265	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	174551	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 11/12/2025 11:36:25 AM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0831	0.0844	0.0013	0.0837	0.0009	0.0832
(g/100cc)	0.0824	0.0832	0.0008	0.0828		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_251030JG.gcm

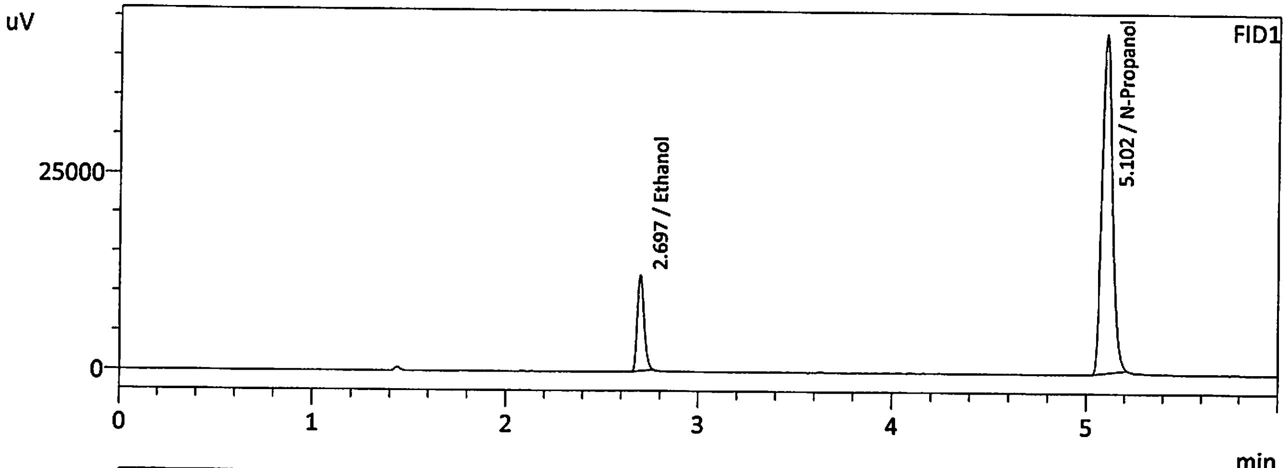
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

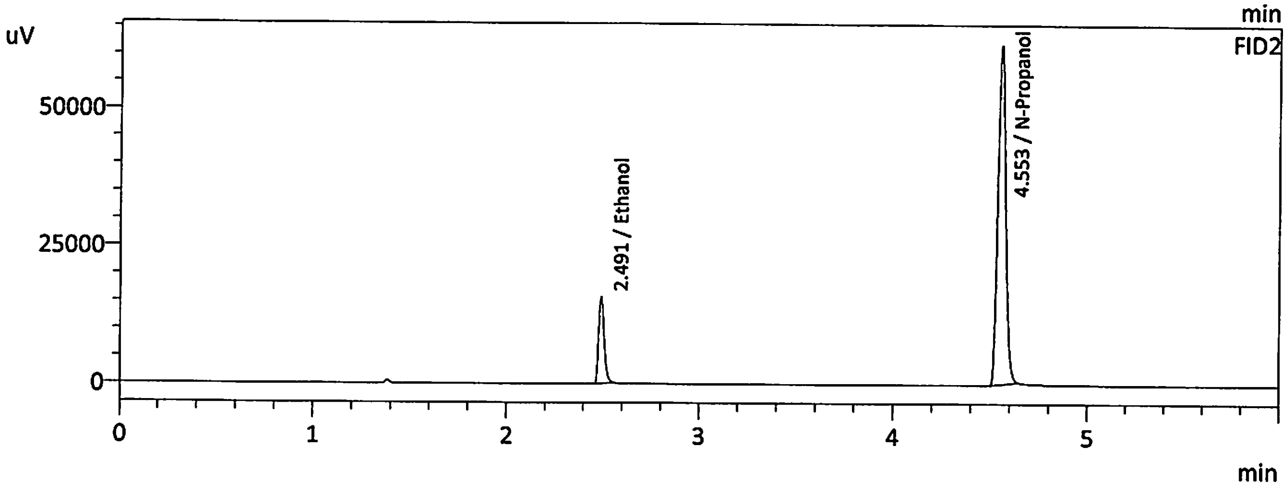
	Reported Results	
	0.083	

Calibration and control data are stored centrally.

JG

Sample Name	: 0.08 QA
Laboratory	: Meridian
Injection Date	: 11/12/2025 11:36:25 AM
Vial #	: 5
Method Filename	: Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	29368	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	164189	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0844	31272	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	172238	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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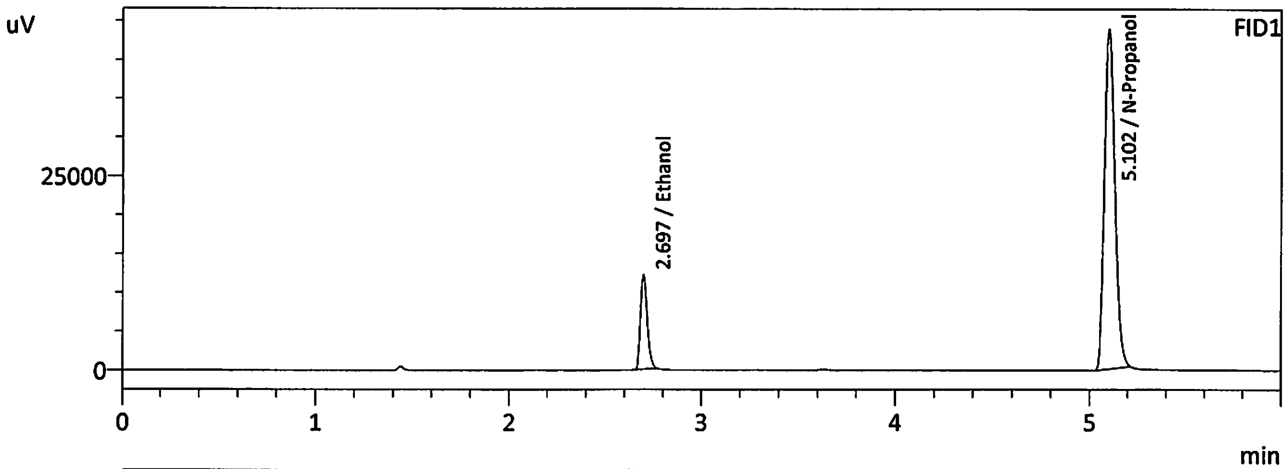
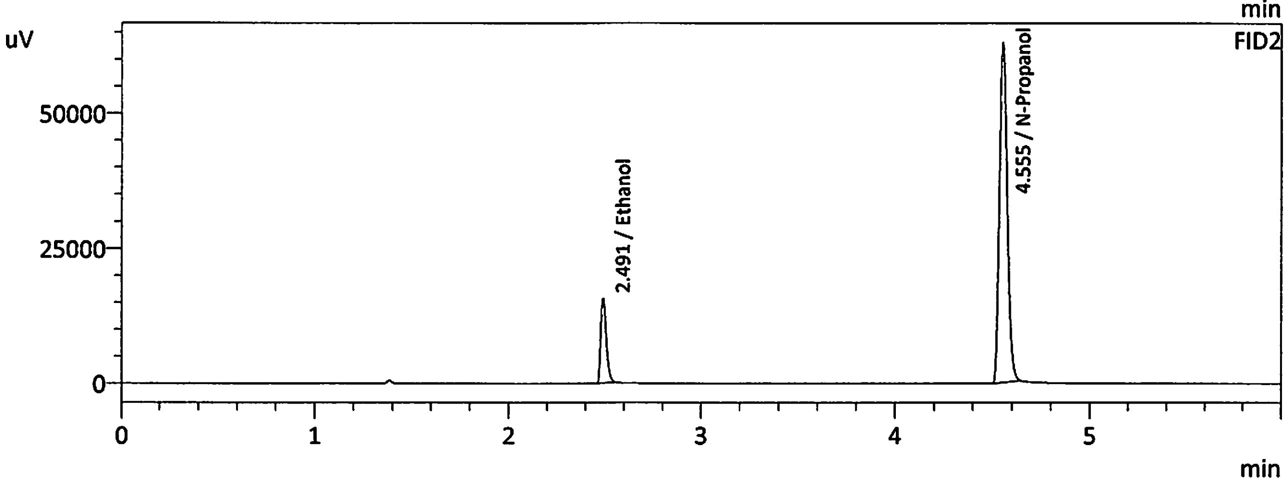
Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 11/12/2025 11:48:49 AM
Vial # : 6
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	29517	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	166500	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0832	31205	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	174519	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 11/12/2025 3:43:25 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2075	0.2113	0.0038	0.2094	0.0016	0.2086
(g/100cc)	0.2064	0.2093	0.0029	0.2078		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

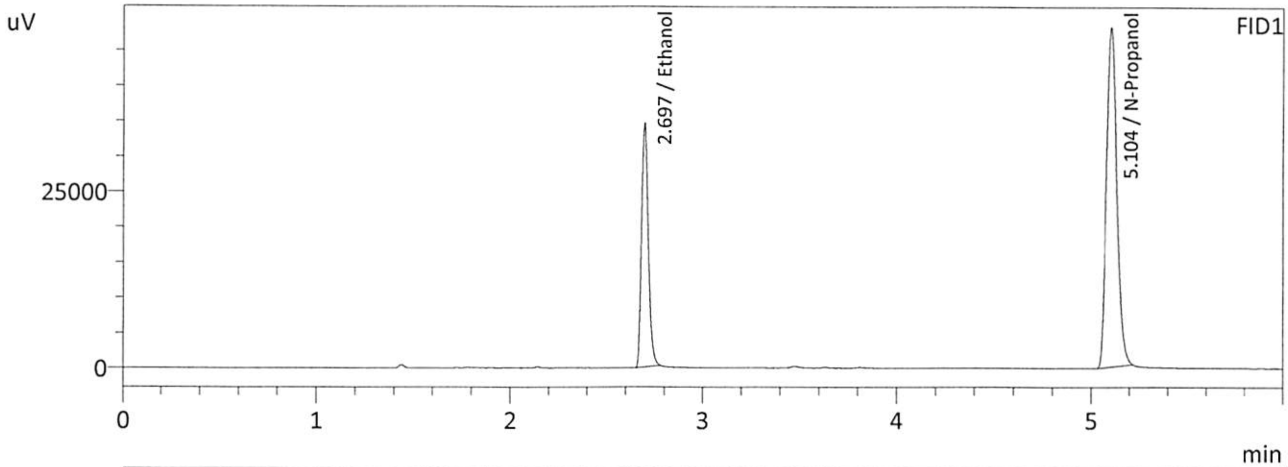
Refer To Instrument Method: ALCOHOL_251030JG.gcm

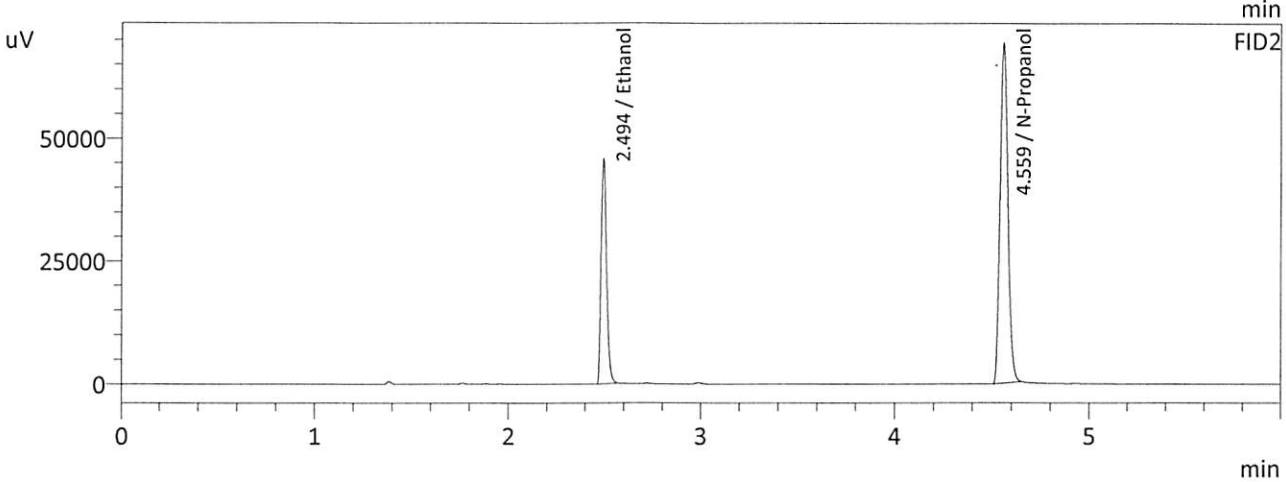
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.208	0.197	0.219	0.011

	Reported Results	
	0.208	

Calibration and control data are stored centrally.

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 11/12/2025 3:43:25 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

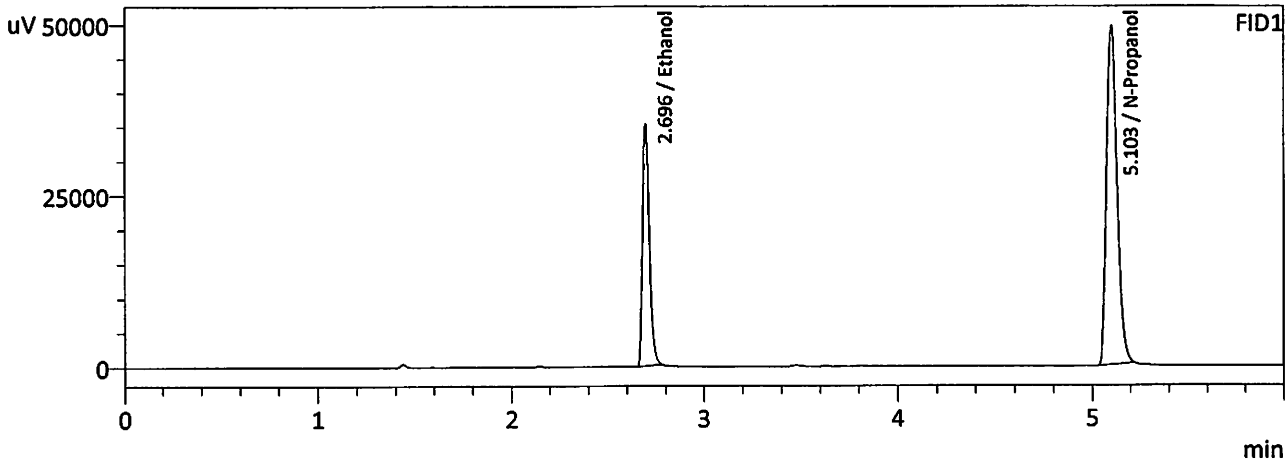
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2075	84199	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183404	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

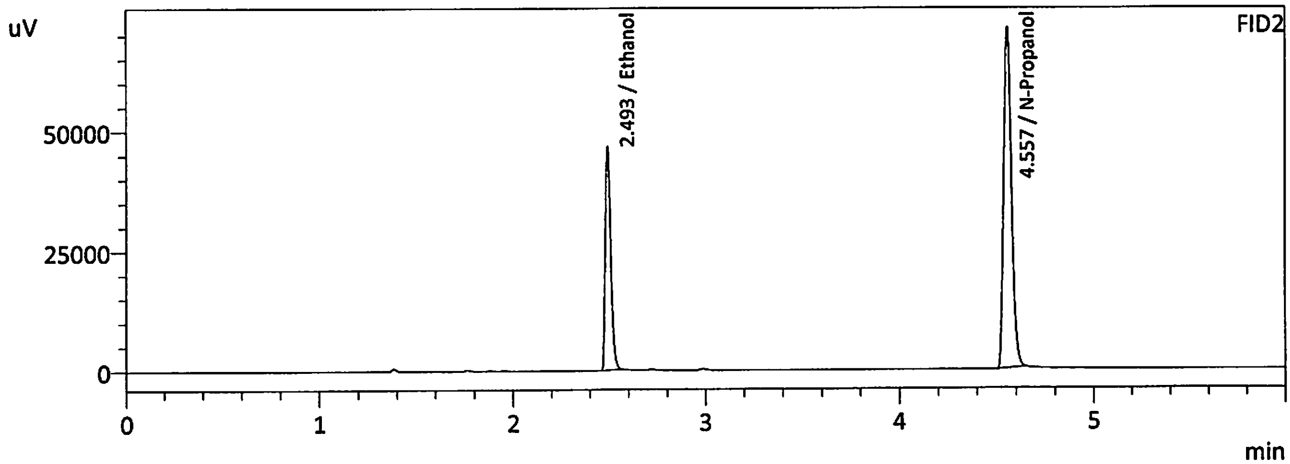
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2113	90322	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192372	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 11/12/2025 3:55:54 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2064	86000	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188322	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2093	92010	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197805	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2 **Analysis Date(s): 11/12/2025 4:32:57 PM(-07:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2083	0.2121	0.0038	0.2102	0.0024	0.2090
(g/100cc)	0.2060	0.2096	0.0036	0.2078		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_251030JG.gcm

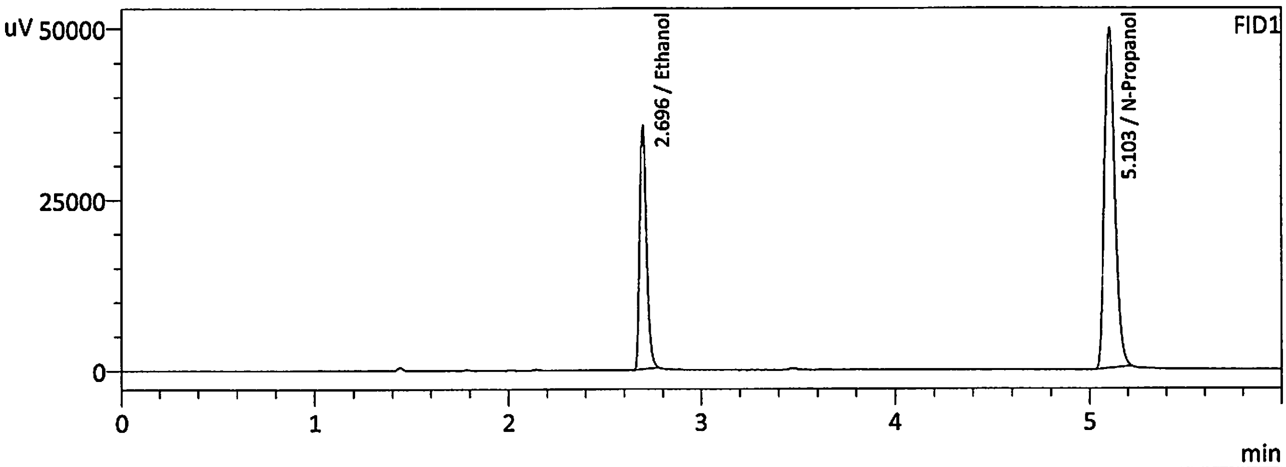
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.209	0.198	0.220	0.011

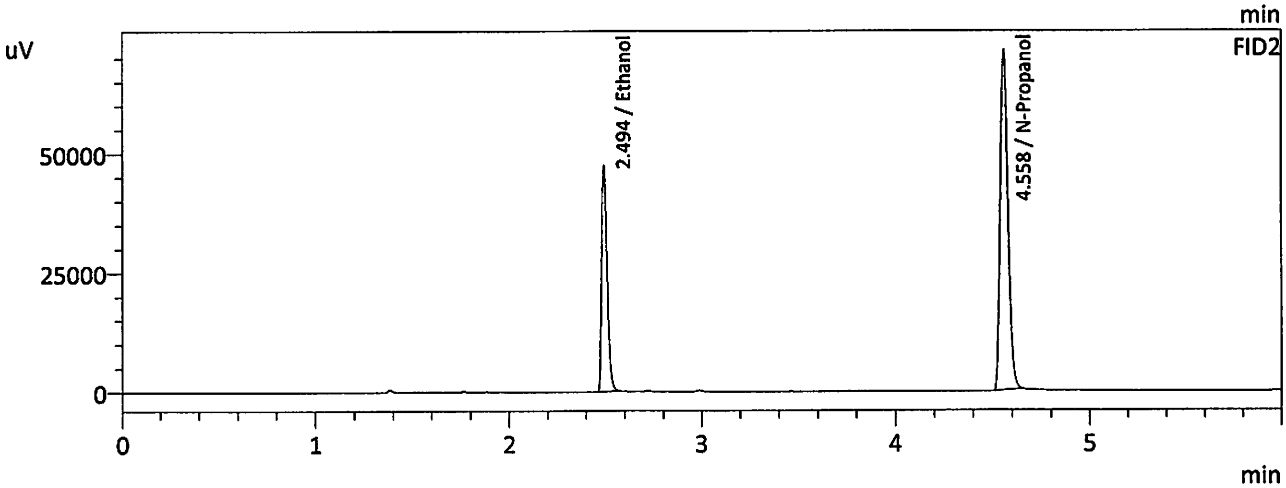
	Reported Results	
	0.209	

Calibration and control data are stored centrally.

J6

Sample Name : QC2-2
Laboratory : Meridian
Injection Date : 11/12/2025 4:32:57 PM
Vial # : 29
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

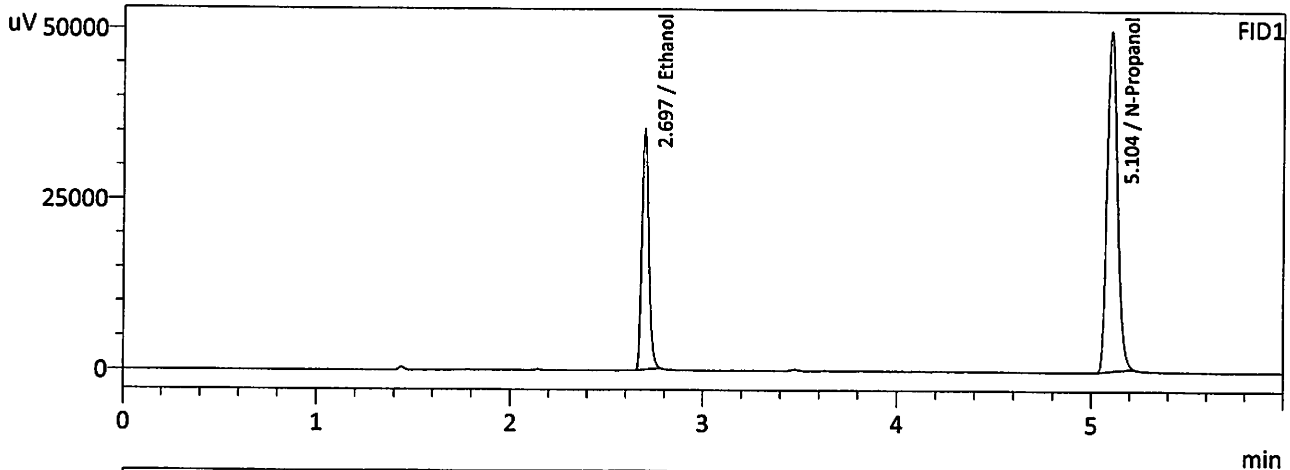
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2083	86956	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188673	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

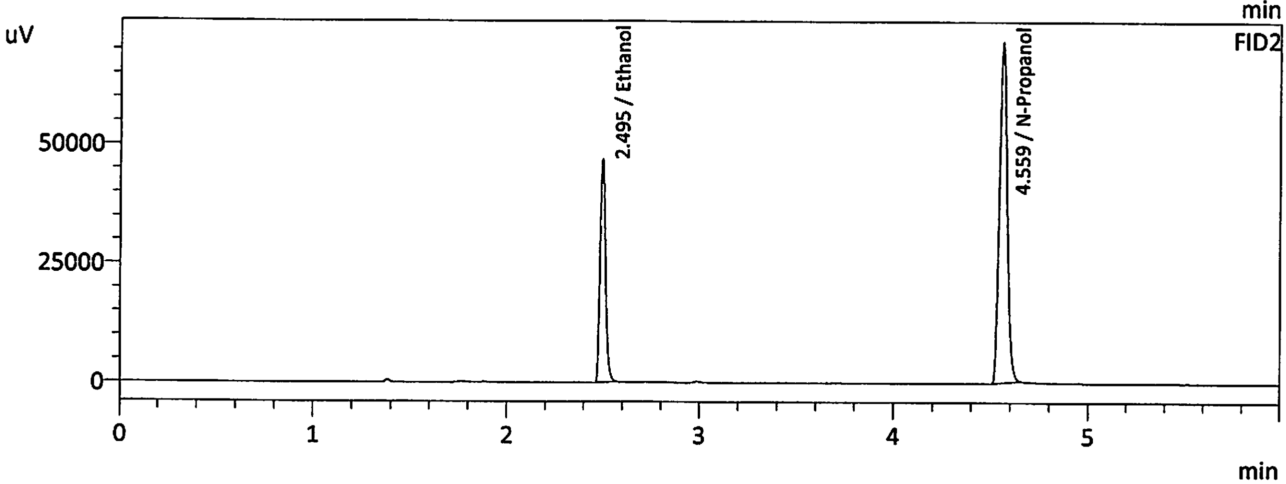
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2121	93263	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197828	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 11/12/2025 4:45:23 PM
Vial # : 30
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

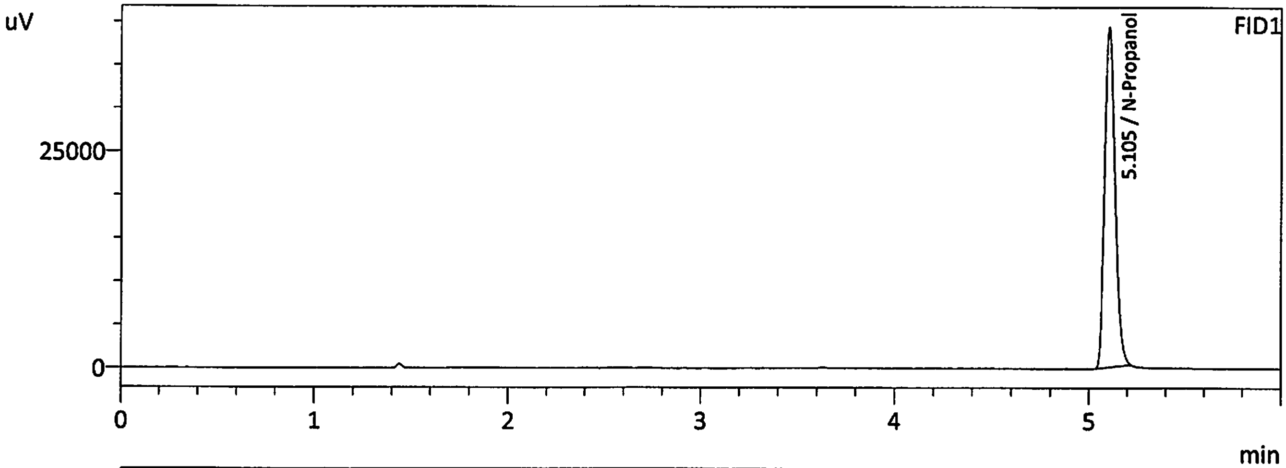
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2060	86335	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189433	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

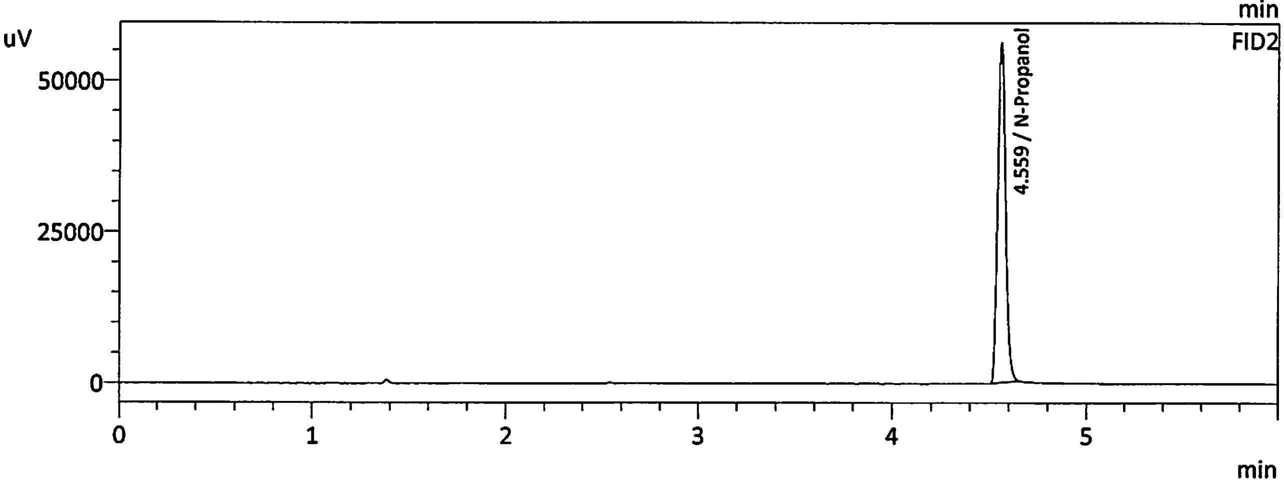
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2096	92521	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198660	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 11/12/2025 4:57:31 PM
Vial # : 31
Method Filename : Default Project - ALCOHOL_251030JG.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	149343	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	156374	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

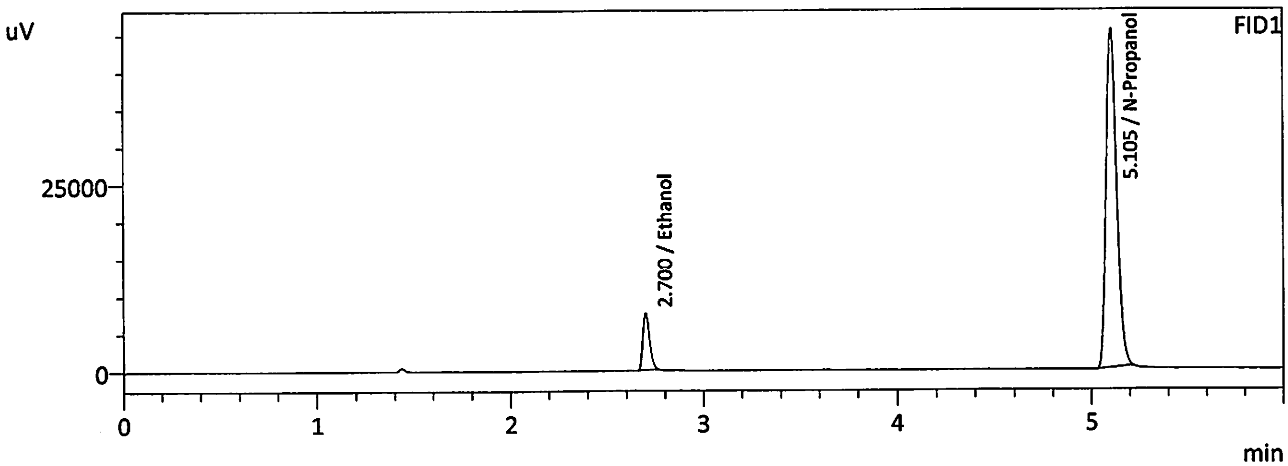
Meridian Blood Alcohol Analysis Batch Table

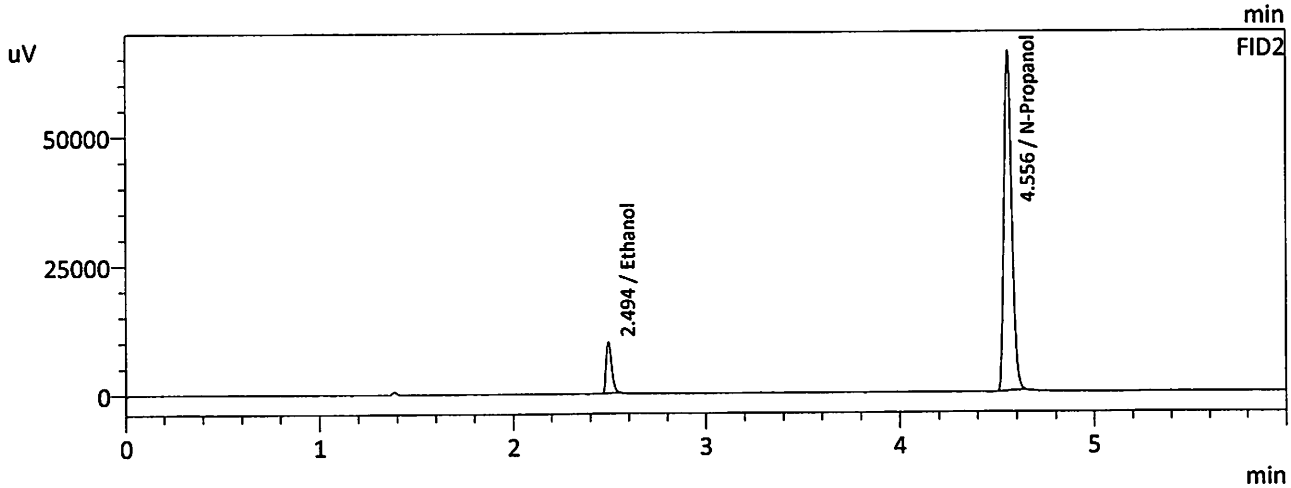
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 251030JG.gcm
2	ED VOLATILES FN 0530	0:Unknown	1	ALCOHOL 251030JG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 251030JG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 251030JG.gcm
6	0.08 QA	0:Unknown	0	ALCOHOL 251030JG.gcm
7	M2025-4442-1	0:Unknown	0	ALCOHOL 251030JG.gcm
8	M2025-4442-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
9	M2025-4534-1	0:Unknown	0	ALCOHOL 251030JG.gcm
10	M2025-4534-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
11	M2025-4557-1	0:Unknown	0	ALCOHOL 251030JG.gcm
12	M2025-4557-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
13	M2025-4557-2	0:Unknown	0	ALCOHOL 251030JG.gcm
14	M2025-4557-2-B	0:Unknown	0	ALCOHOL 251030JG.gcm
15	M2025-4558-1	0:Unknown	0	ALCOHOL 251030JG.gcm
16	M2025-4558-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
17	M2025-4559-1	0:Unknown	0	ALCOHOL 251030JG.gcm
18	M2025-4559-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
19	M2025-4560-1	0:Unknown	0	ALCOHOL 251030JG.gcm
20	M2025-4560-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
21	M2025-4561-1	0:Unknown	0	ALCOHOL 251030JG.gcm
22	M2025-4561-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
23	M2025-4597-1	0:Unknown	0	ALCOHOL 251030JG.gcm
24	M2025-4597-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 251030JG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
27	P2025-2929-1	0:Unknown	0	ALCOHOL 251030JG.gcm
28	P2025-2929-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
29	QC2-2	0:Unknown	0	ALCOHOL 251030JG.gcm
30	QC2-2-B	0:Unknown	0	ALCOHOL 251030JG.gcm
31	INT STD BLK	0:Unknown	0	ALCOHOL 251030JG.gcm

JG

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 10/30/2025 11:49:42 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

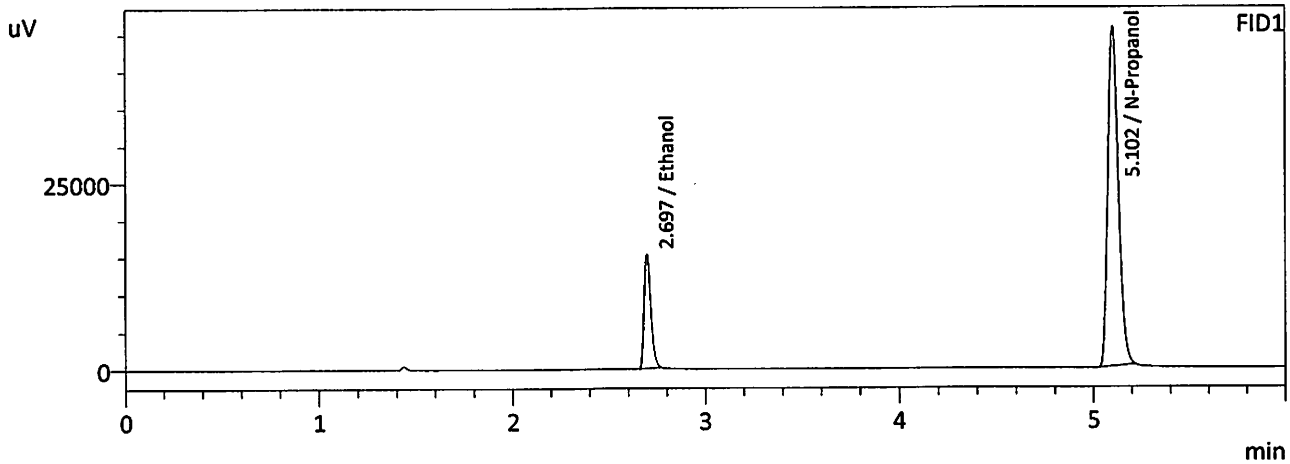
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0515	18494	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	171825	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

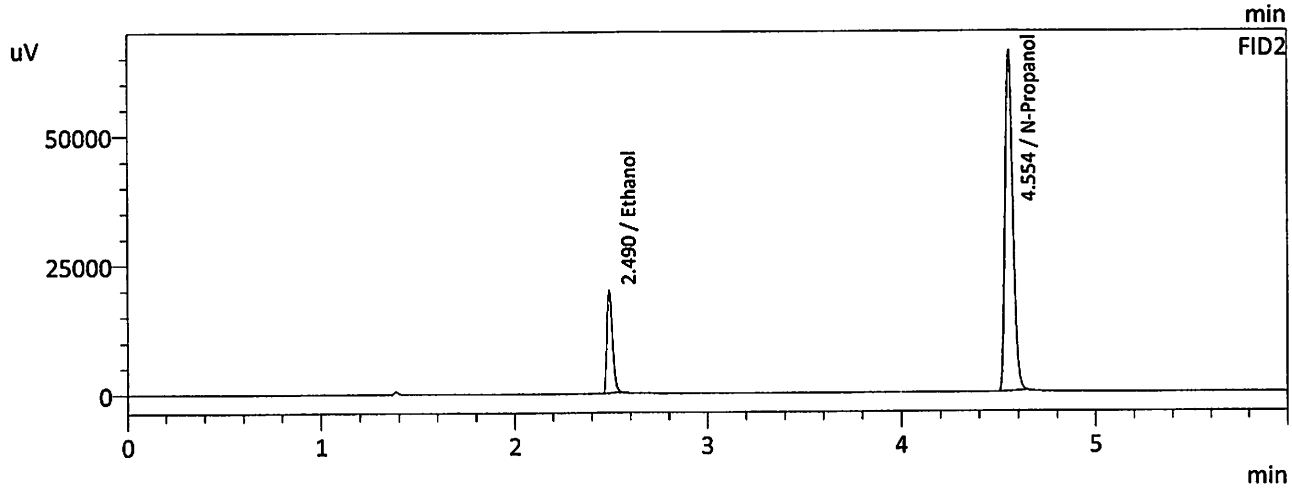
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0519	19626	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182050	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 10/30/2025 12:02:26 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

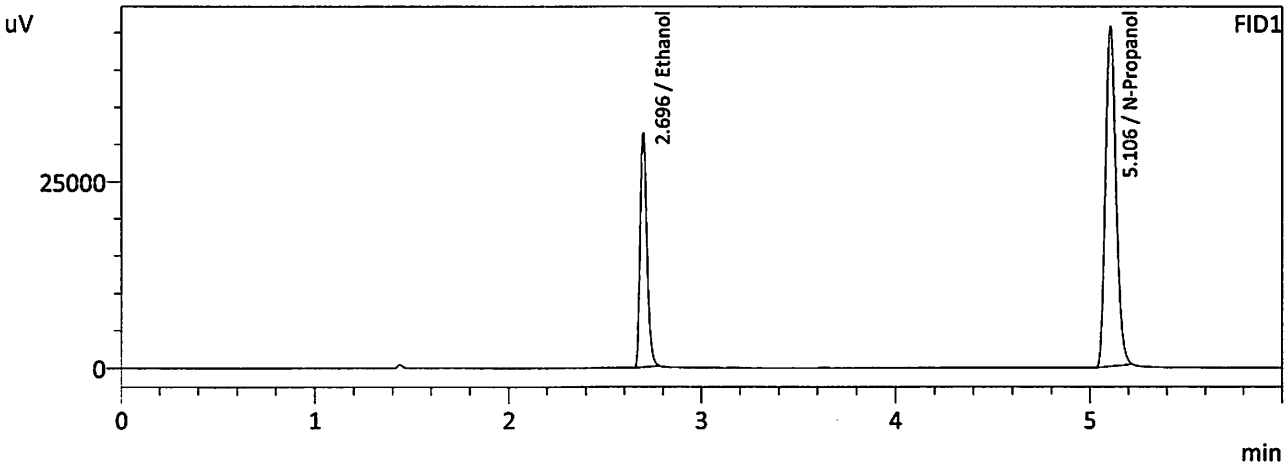
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0990	37017	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	172472	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

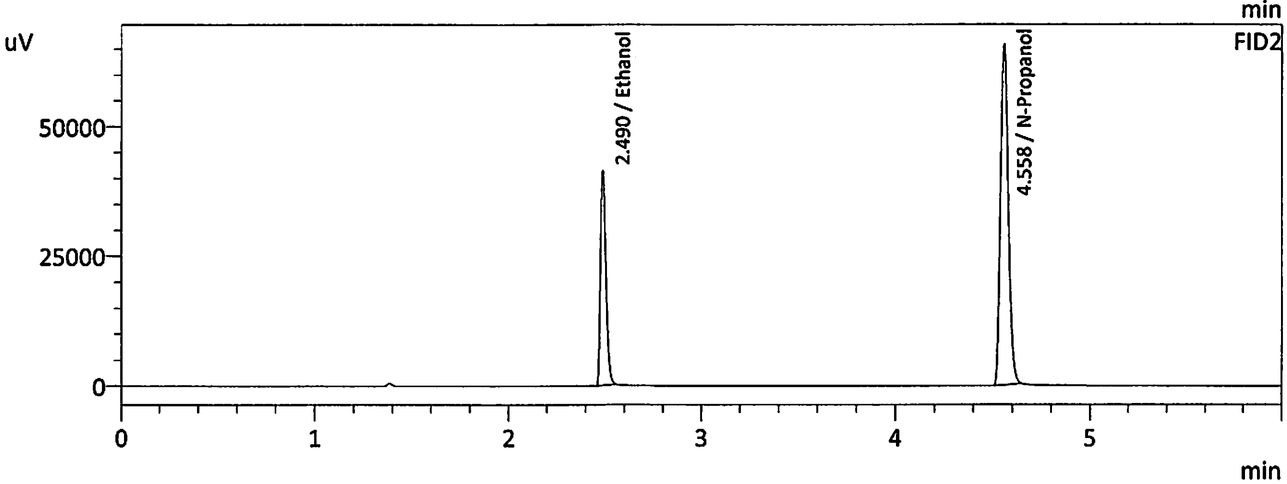
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0987	39157	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182842	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 10/30/2025 12:14:31 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

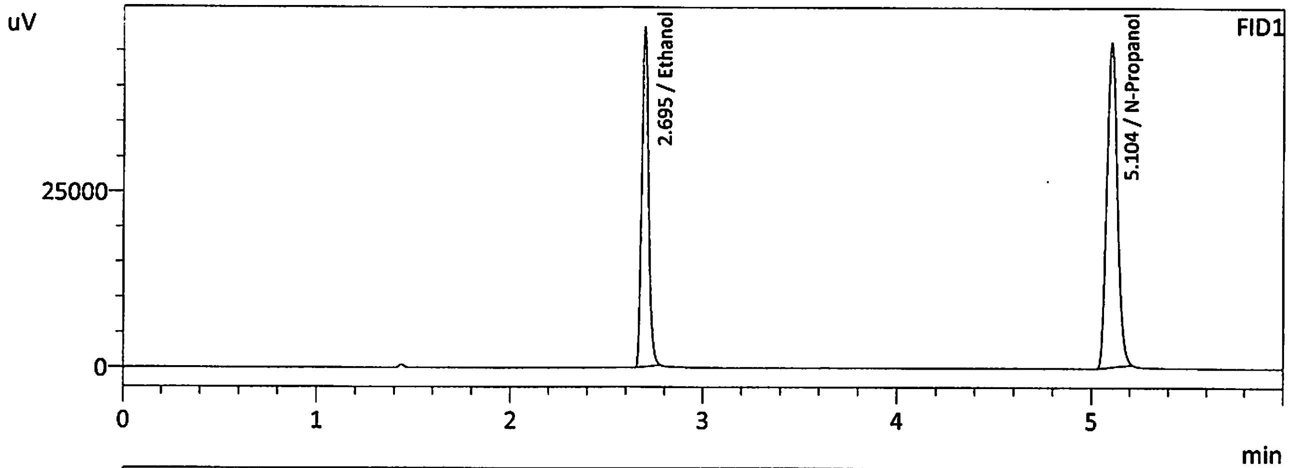
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1991	76102	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	172870	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

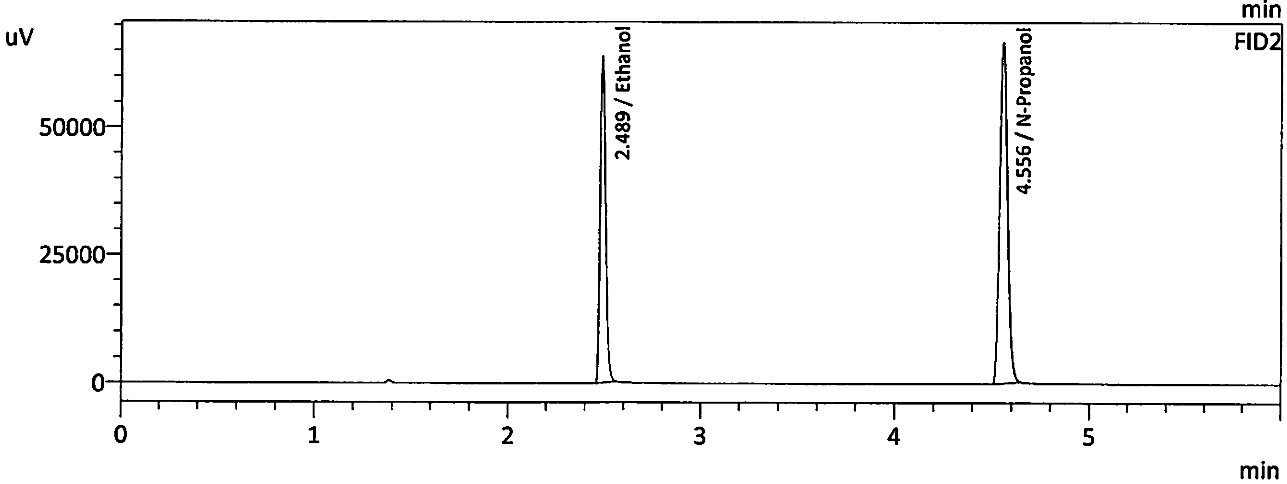
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1989	80675	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182783	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 10/30/2025 12:27:10 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

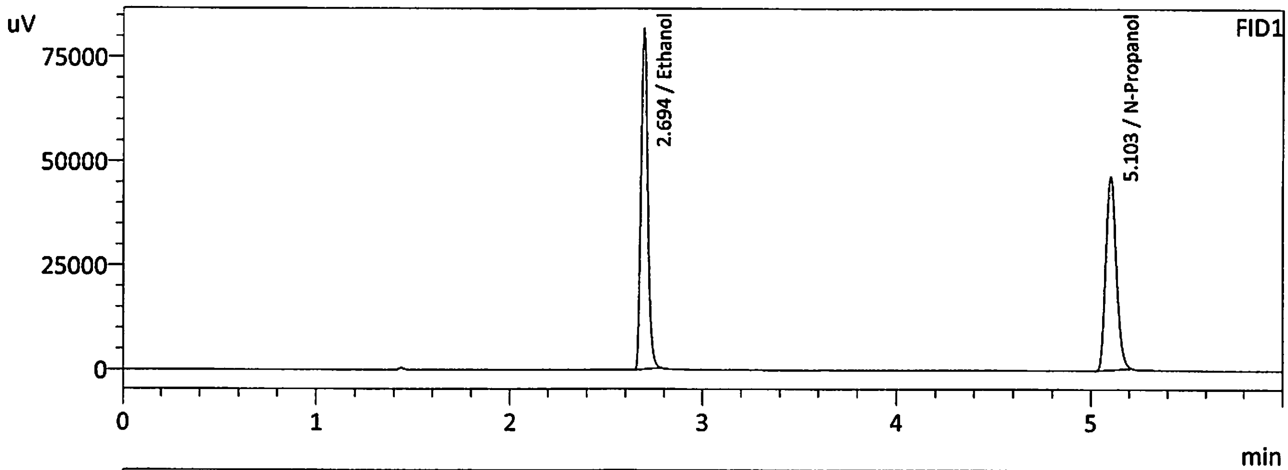
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2997	116687	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	174976	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

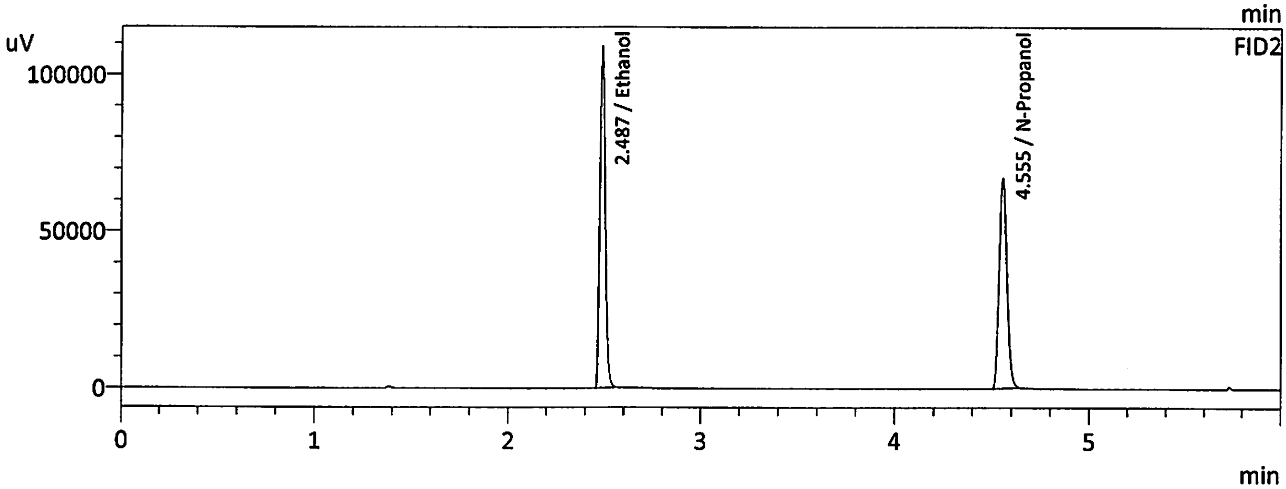
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2996	124201	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	185357	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 10/30/2025 12:39:34 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

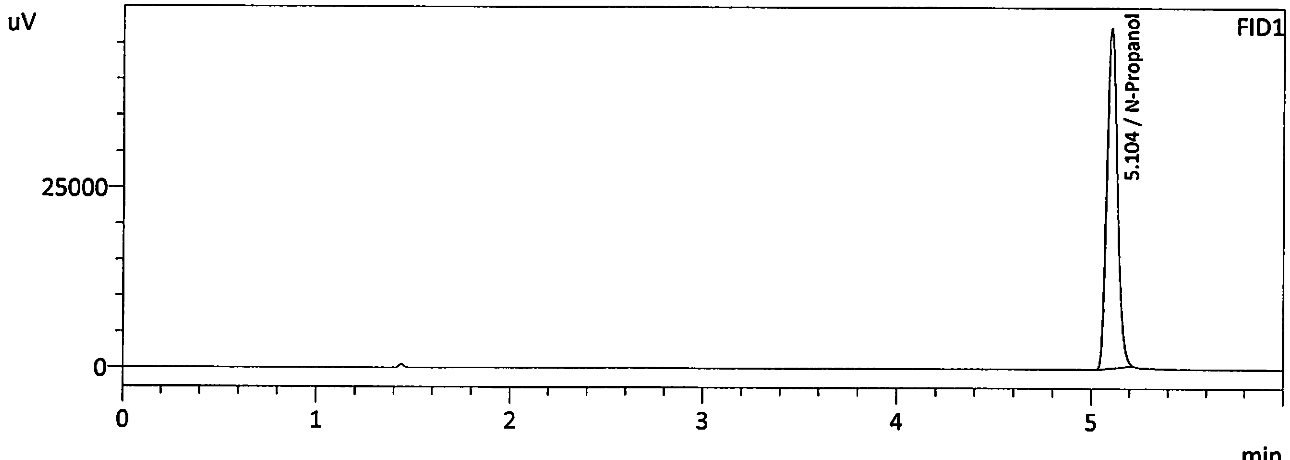
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5005	196661	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	175749	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

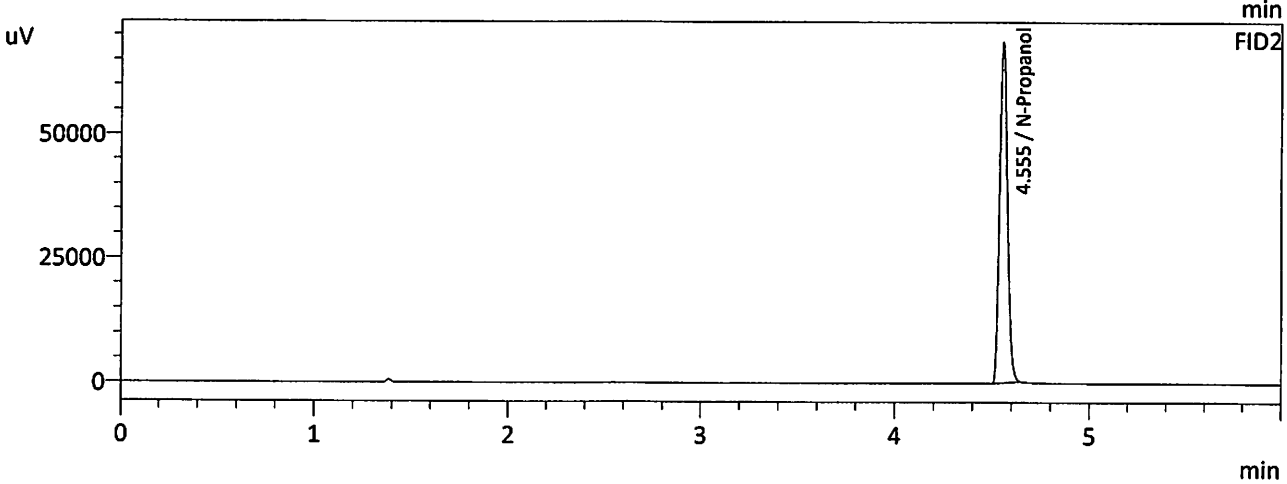
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5006	209405	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	185954	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 10/30/2025 12:51:59 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_251030JG.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	179719	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	190056	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Calibration Table

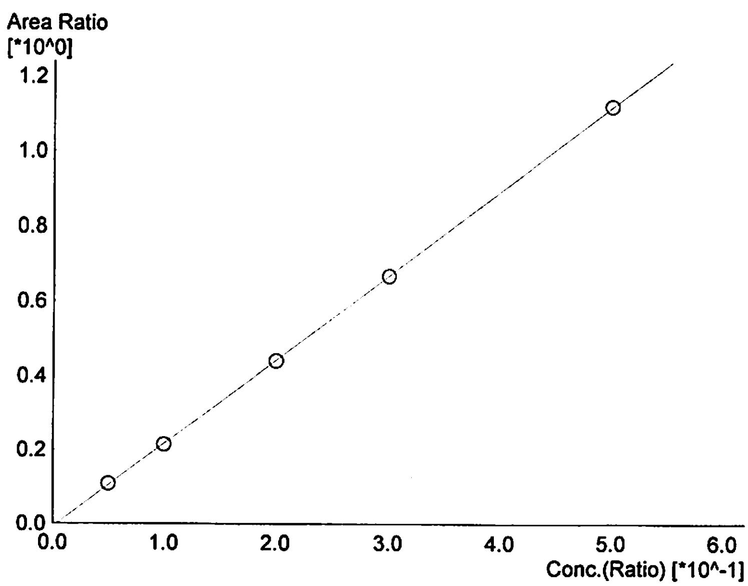
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_251030JG.gcm
Batch File :Default Project - CALCURVE_251030JG.gcb
Date Acquired :10/30/2025 12:39:34 PM
Date Created :10/30/2025 12:33:14 PM
Date Modified :10/30/2025 12:45:36 PM

Not Ready

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)=2.25254*x-0.00841564
R^2 value= 0.9999668
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	18494	0.0515
2	0.100	37017	0.0990
3	0.200	76102	0.1991
4	0.300	116687	0.2997
5	0.500	196661	0.5005

J6

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

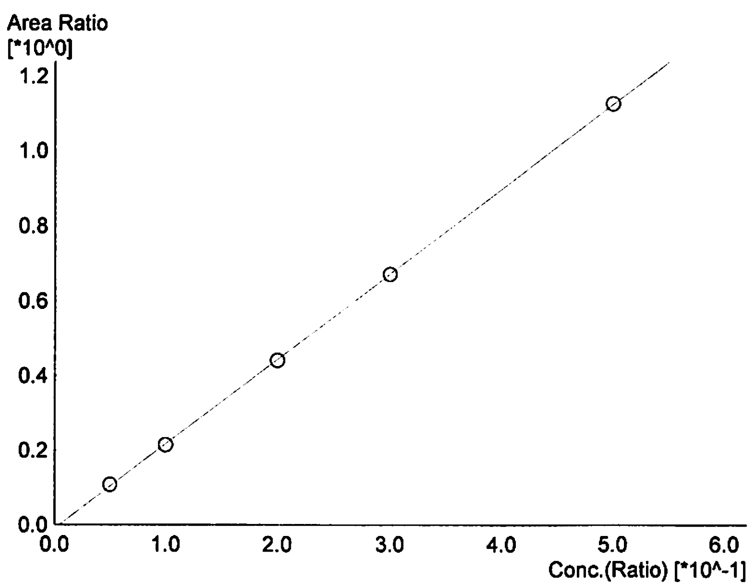
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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)=2.26928*x-0.0100317
R^2 value= 0.9999463
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19626	0.0519
2	0.100	39157	0.0987
3	0.200	80675	0.1989
4	0.300	124201	0.2996
5	0.500	209405	0.5006

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.

J6

Not Ready

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.

Not Ready

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.

J6

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 251030JG.gcm
2	0.100	1:Standard	2	ALCOHOL 251030JG.gcm
3	0.200	1:Standard	3	ALCOHOL 251030JG.gcm
4	0.300	1:Standard	4	ALCOHOL 251030JG.gcm
5	0.500	1:Standard	5	ALCOHOL 251030JG.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 251030JG.gcm