Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls **Run Date(s): 3/13/24**

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

Worklist #: 6722

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0810 g/100cc
					0.0835 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2097 g/100cc
					0.2095 g/100cc
					g/100cc

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

Ethanol Calibration Reference Material

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

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.082 g/100cc

REVIEWED

By Jeremy Johnston at 11:24 am, Mar 15, 2024

JC

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

Internal Standard Monitoring Worksheet

Worklist #:	6722	Run Date(s):	3/13/24

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

Sample Name	Column 1 Value	Column 2 Value
0.080	188743	203556
0.080	179987	193758
QC1	182298	196410
QC1	179262	193387
QC1	200571	217089
QC1	211335	228981
QC1		
QC1		
QC2	191540	207171
QC2	204208	220932
QC2	205471	222231
QC2	213673	231424
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	195708.8	156567.0	234850.6
Column 2	211493.9	169195.1	253792.7

JC

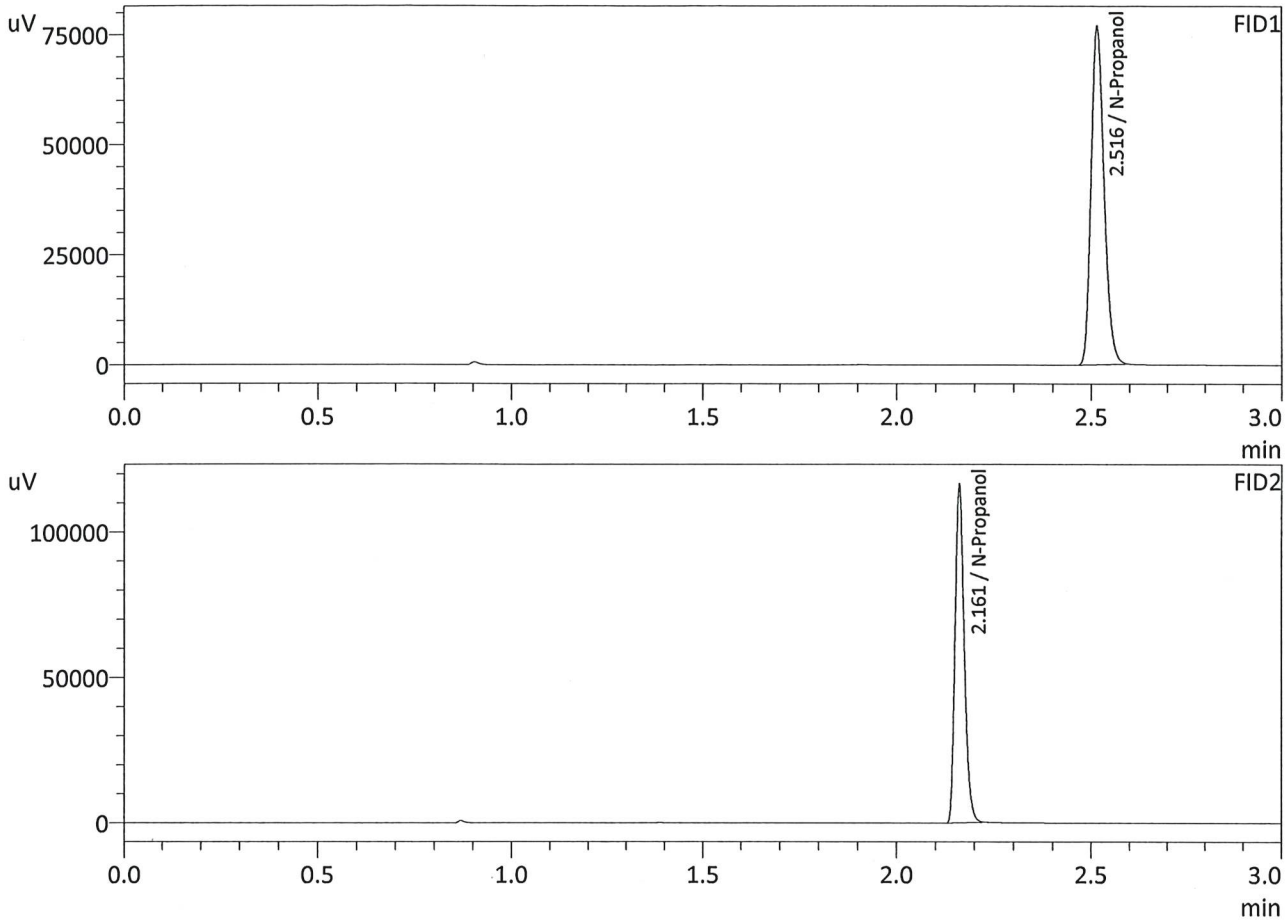
Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

Worklist: 6722

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-0839	1	BCK	Alcohol Analysis
M2024-0906	1	BCK	Alcohol Analysis
M2024-0934	1	BCK	Alcohol Analysis
M2024-0935	1	BCK	Alcohol Analysis
M2024-0936	1	BCK	Alcohol Analysis
M2024-0937	1	BCK	Alcohol Analysis
M2024-0938	1	BCK	Alcohol Analysis
M2024-0941	1	BCK	Alcohol Analysis
M2024-0942	1	BCK	Alcohol Analysis
M2024-0960	1	BCK	Alcohol Analysis
M2024-0967	1	BCK	Alcohol Analysis
M2024-0968	1	BCK	Alcohol Analysis
M2024-0986	1	BCK	Alcohol Analysis
M2024-0987	1	AALIQ	Alcohol Analysis

JG

Sample Name : ISTD BLK 1
Laboratory : Meridian
Injection Date : 3/13/2024 10:38:52 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

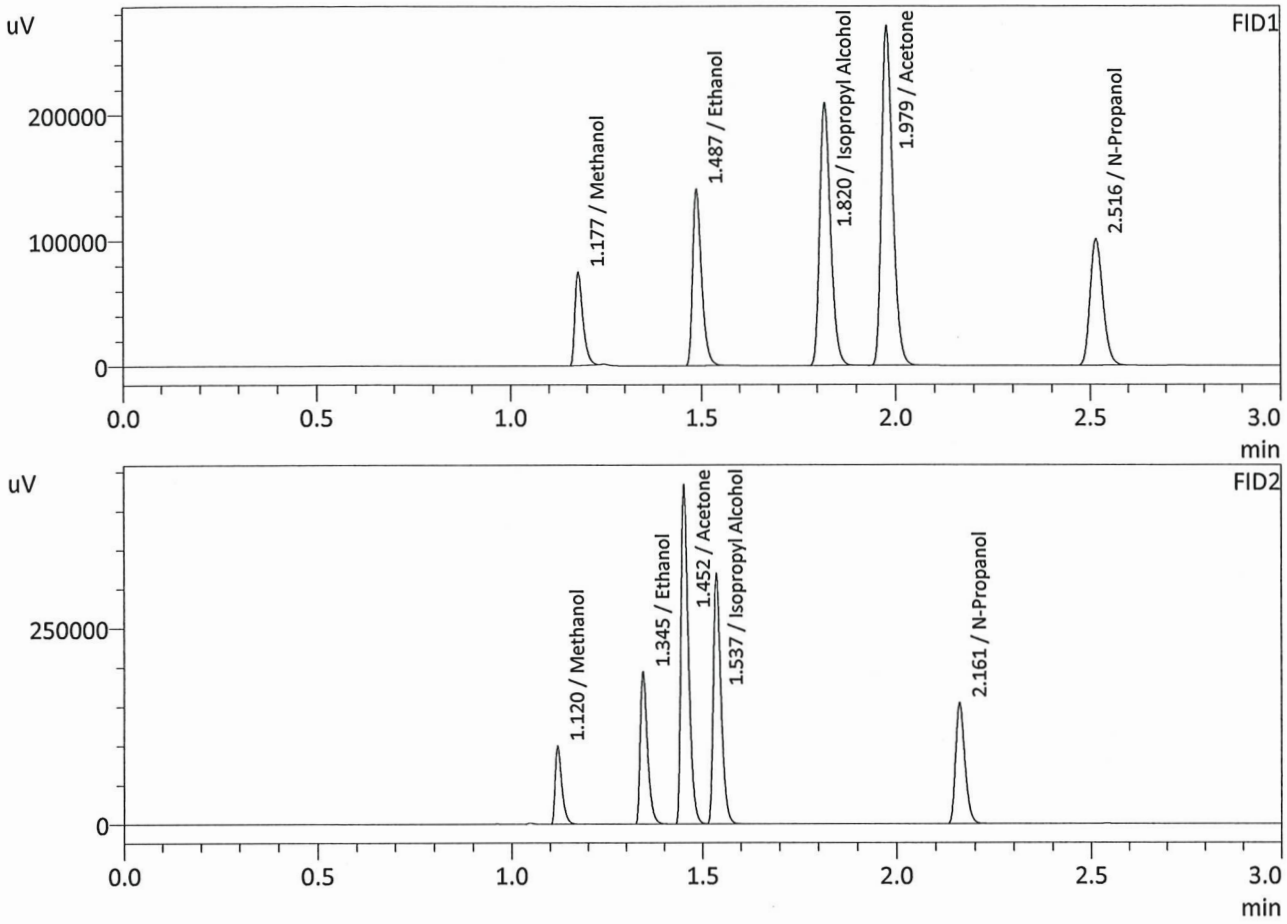
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	179775	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	193311	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JU

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 3/13/2024 10:46:15 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	107769	g/100cc
Ethanol	0.4432	230293	g/100cc
Isopropyl Alcohol	0.0000	405060	g/100cc
Acetone	0.0000	527993	g/100cc
N-Propanol	0.0000	233426	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	121952	g/100cc
Ethanol	0.4438	252428	g/100cc
Acetone	0.0000	578743	g/100cc
Isopropyl Alcohol	0.0000	439851	g/100cc
N-Propanol	0.0000	253635	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 3/13/2024 10:53:43 AM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0811	0.0002	0.0810	0.0000	0.0810
(g/100cc)	0.0810	0.0810	0.0000	0.0810		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240304JG.gcm

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

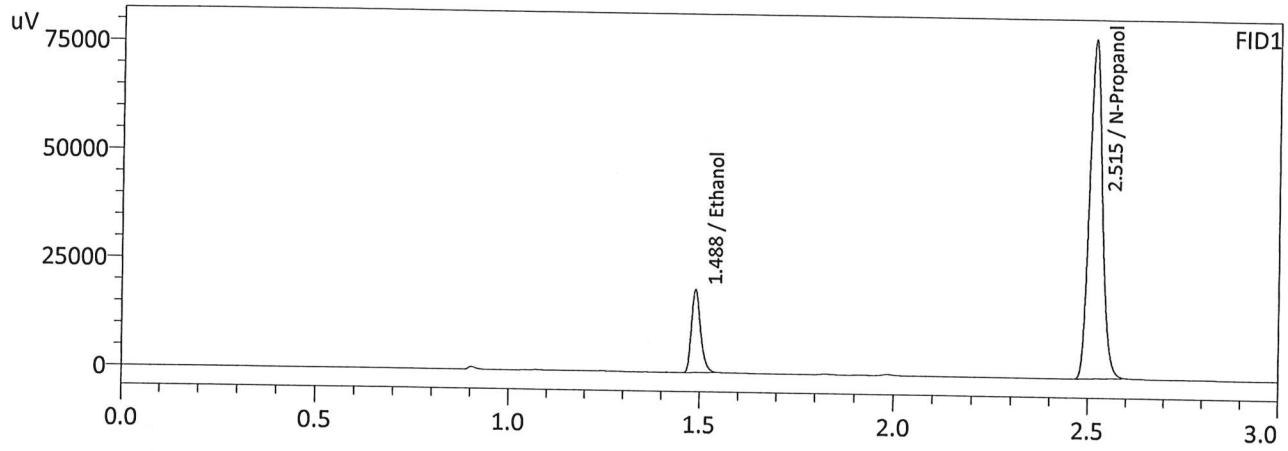
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

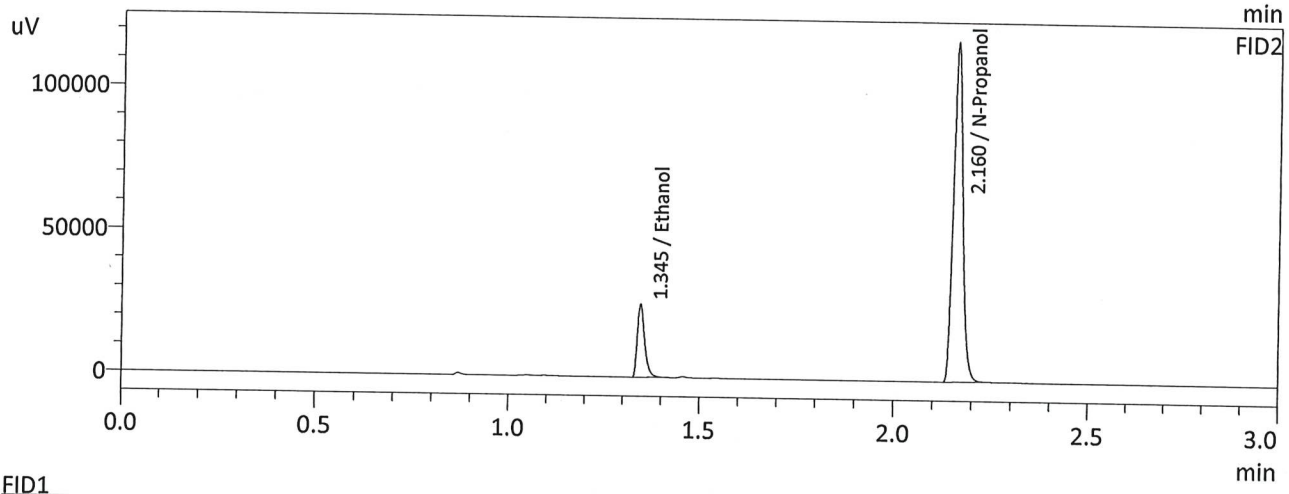
Reported Results
0.081

Calibration and control data are stored centrally.

JG

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 3/13/2024 10:53:43 AM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

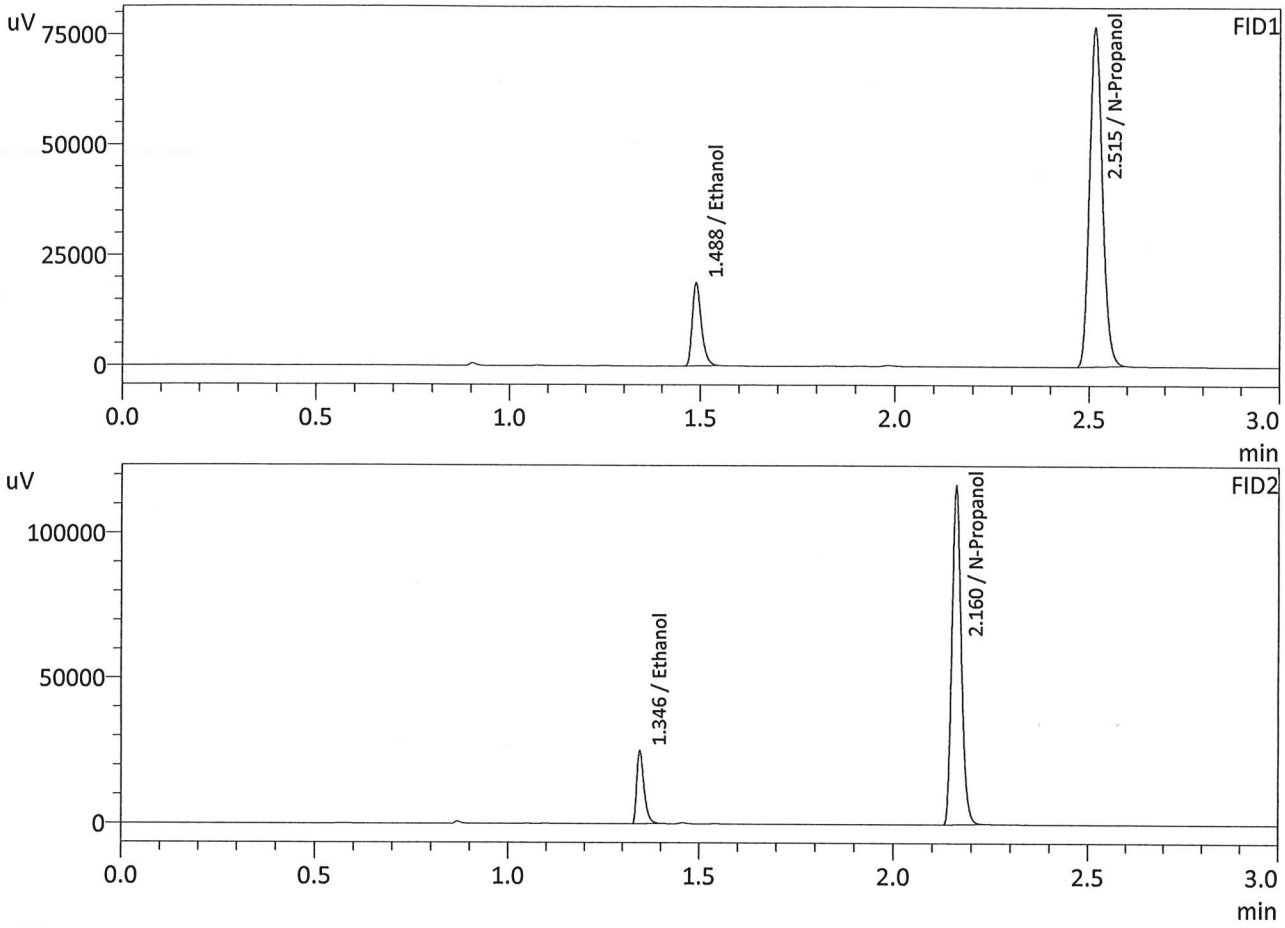
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0809	31688	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	182298	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0811	34118	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	196410	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 3/13/2024 11:02:29 AM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	31164	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	179262	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	33541	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	193387	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 3/13/2024 11:09:55 AM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0845	0.0842	0.0003	0.0843	0.0041	0.0822
(g/100cc)	0.0801	0.0803	0.0002	0.0802		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240304JG.gcm

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

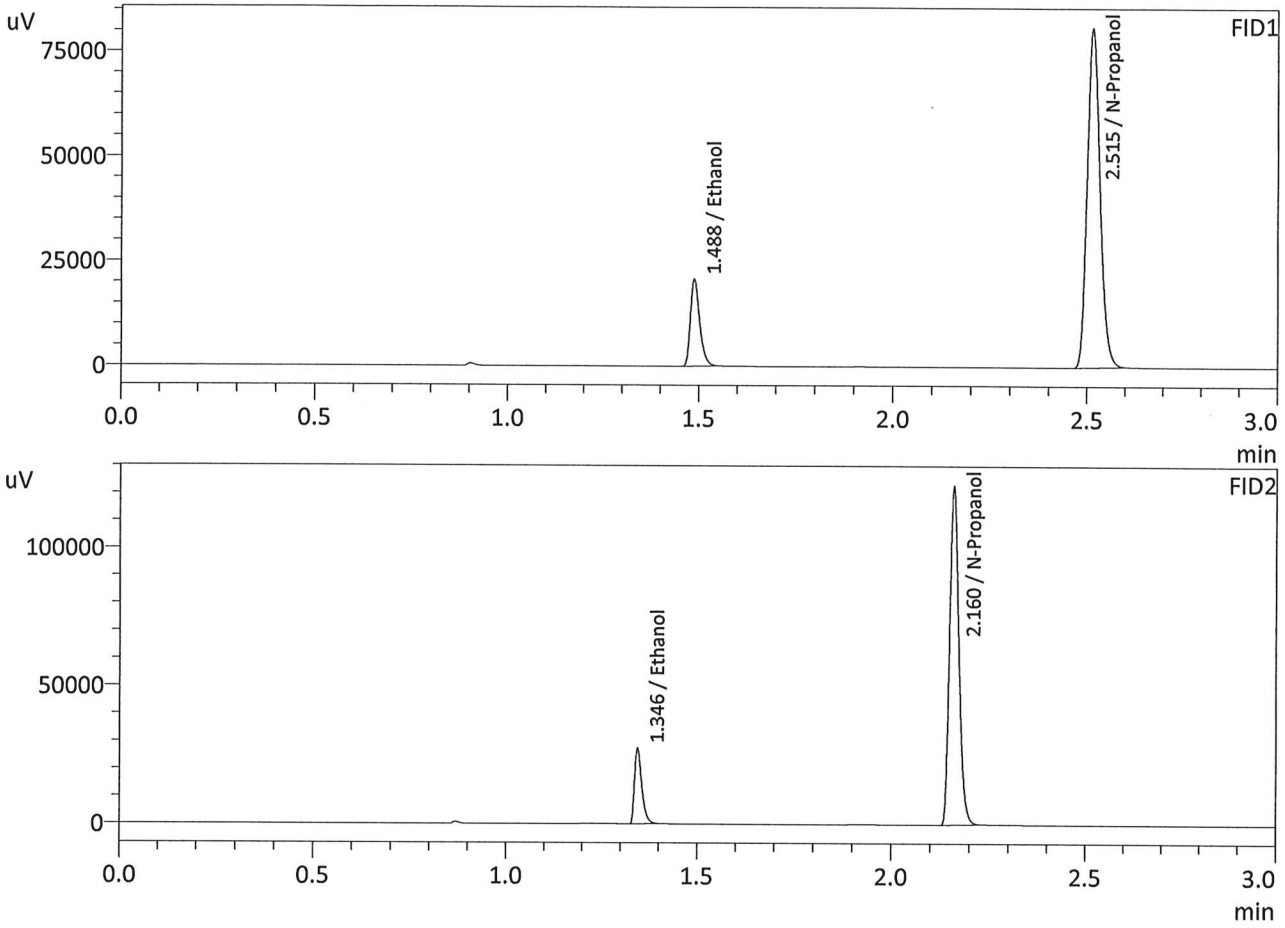
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

Reported Results
0.082

Calibration and control data are stored centrally.

JC

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 3/13/2024 11:09:55 AM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

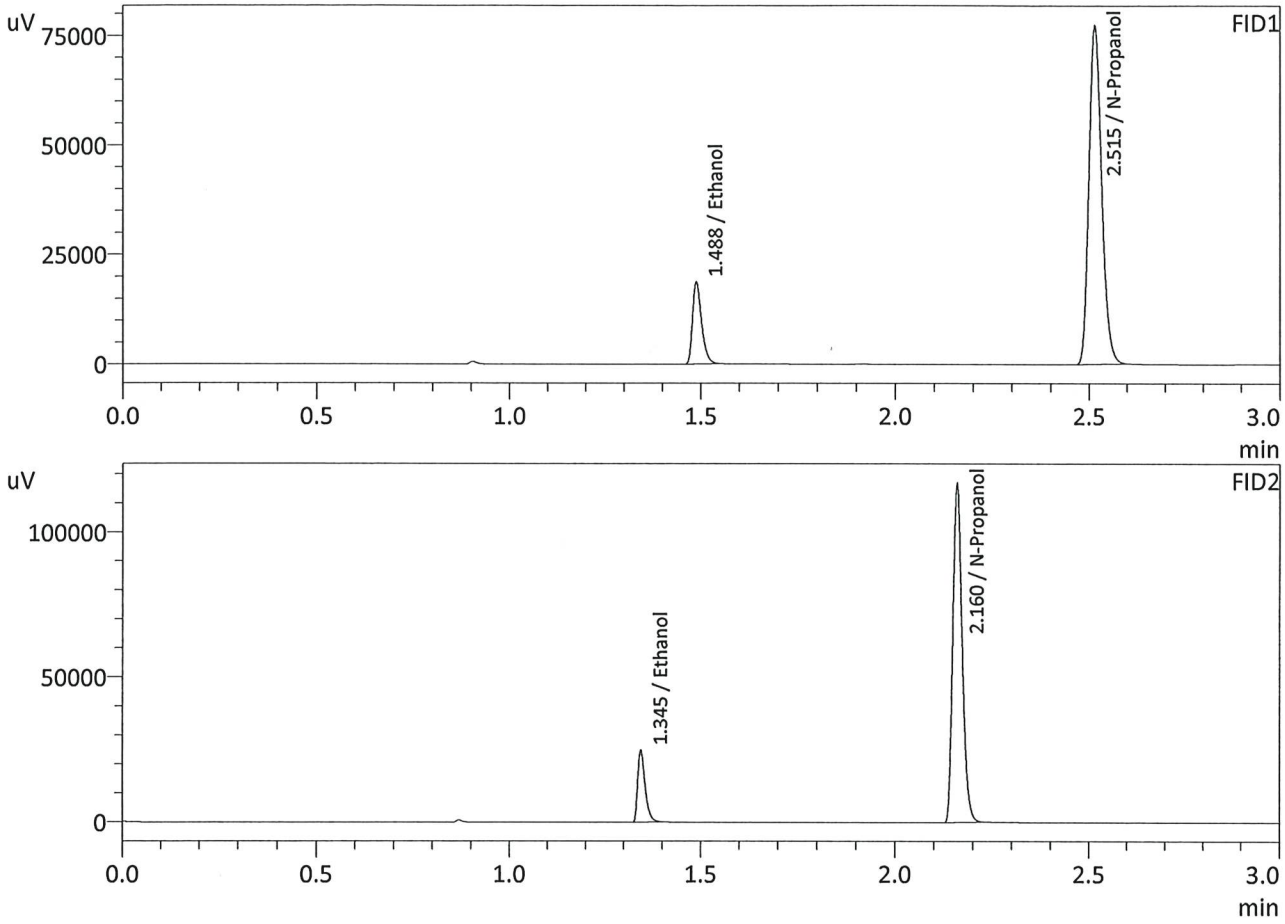
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0845	34320	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188743	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0842	36788	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203556	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 3/13/2024 11:18:34 AM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0801	30941	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	179987	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	33304	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	193758	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 3/13/2024 1:51:43 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2117	0.2116	0.0001	0.2116	0.0038	0.2097
(g/100cc)	0.2078	0.2078	0.0000	0.2078		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240304JG.gcm

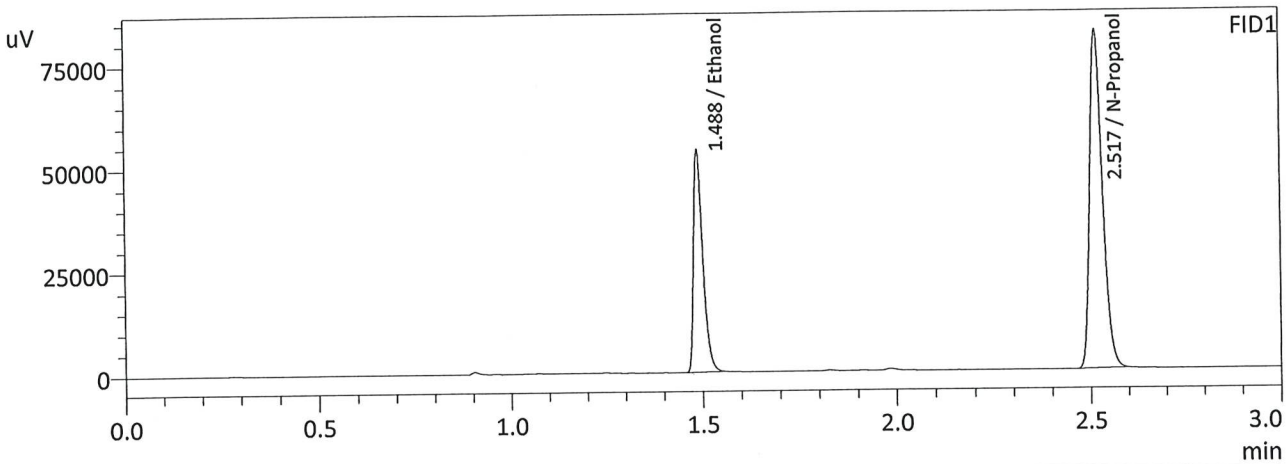
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.209	0.198	0.220	0.011

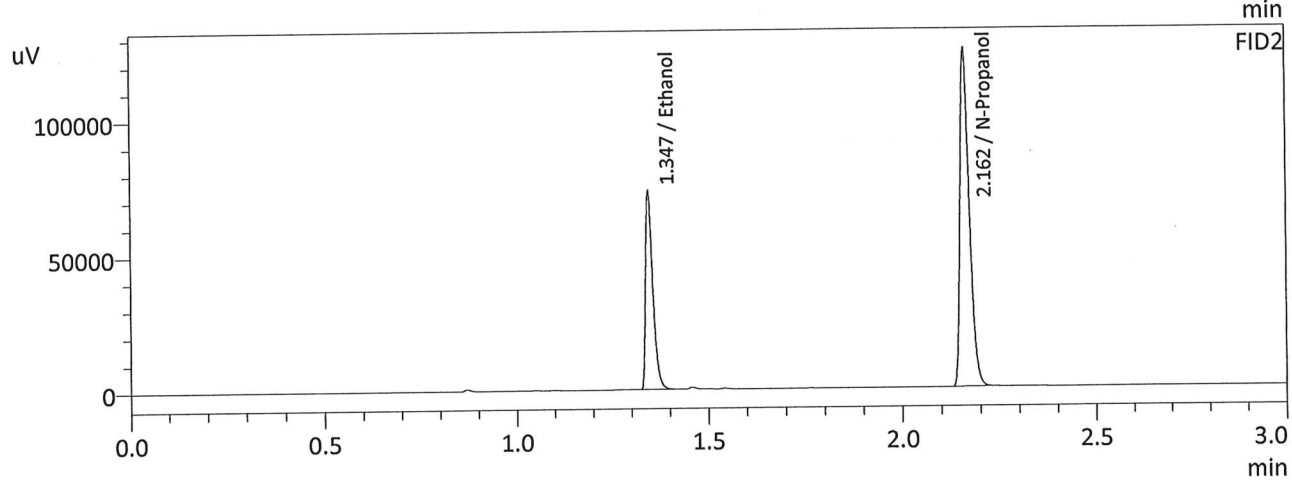
Reported Results
0.209

Calibration and control data are stored centrally.

JG

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 3/13/2024 1:51:43 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

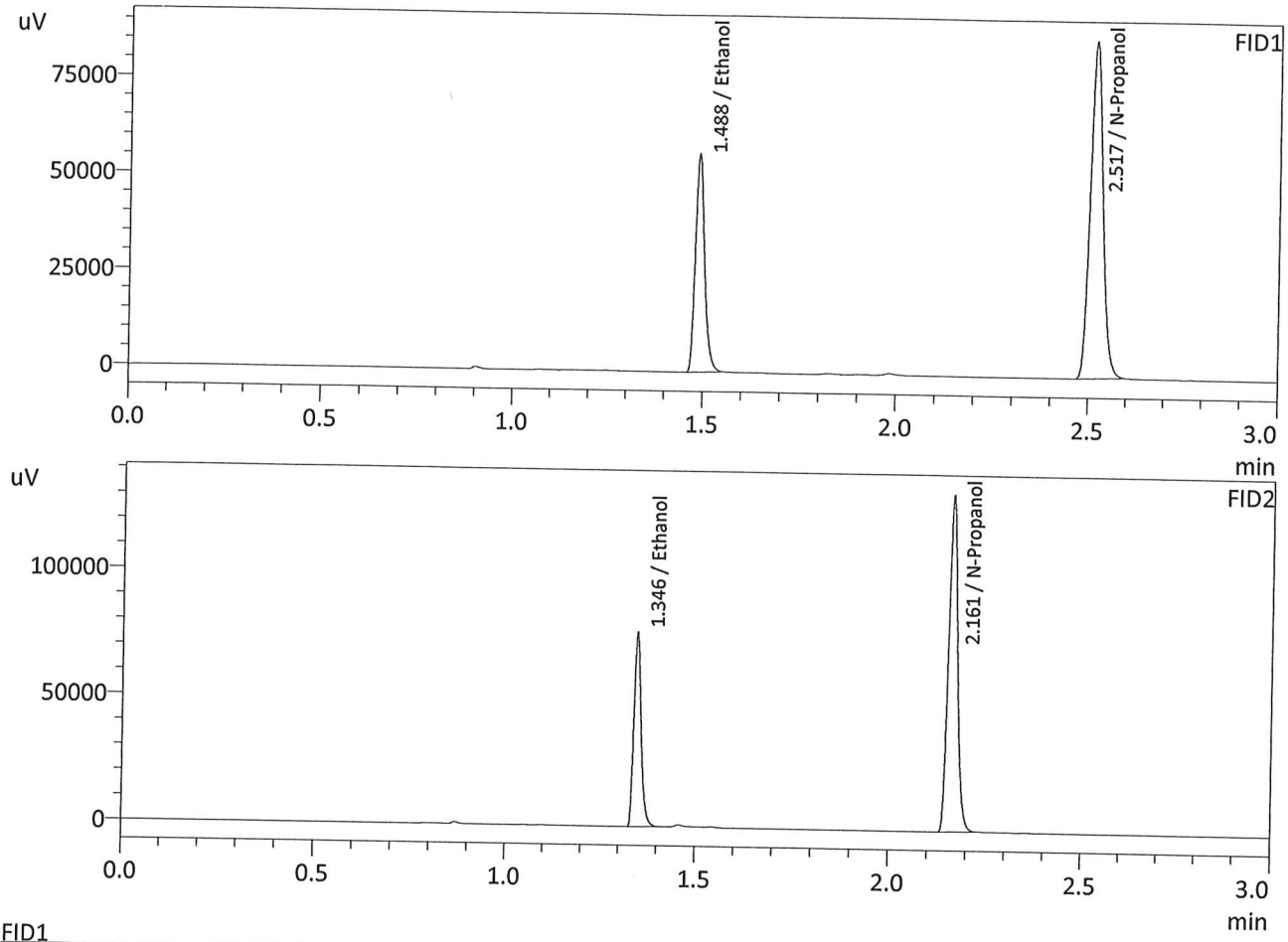
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2117	89491	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191540	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2116	97223	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207171	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 3/13/2024 1:59:35 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	93612	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204208	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	101793	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220932	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 3/13/2024 3:11:59 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0843	0.0845	0.0002	0.0844	0.0017	0.0835
(g/100cc)	0.0827	0.0828	0.0001	0.0827		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240304JG.gcm

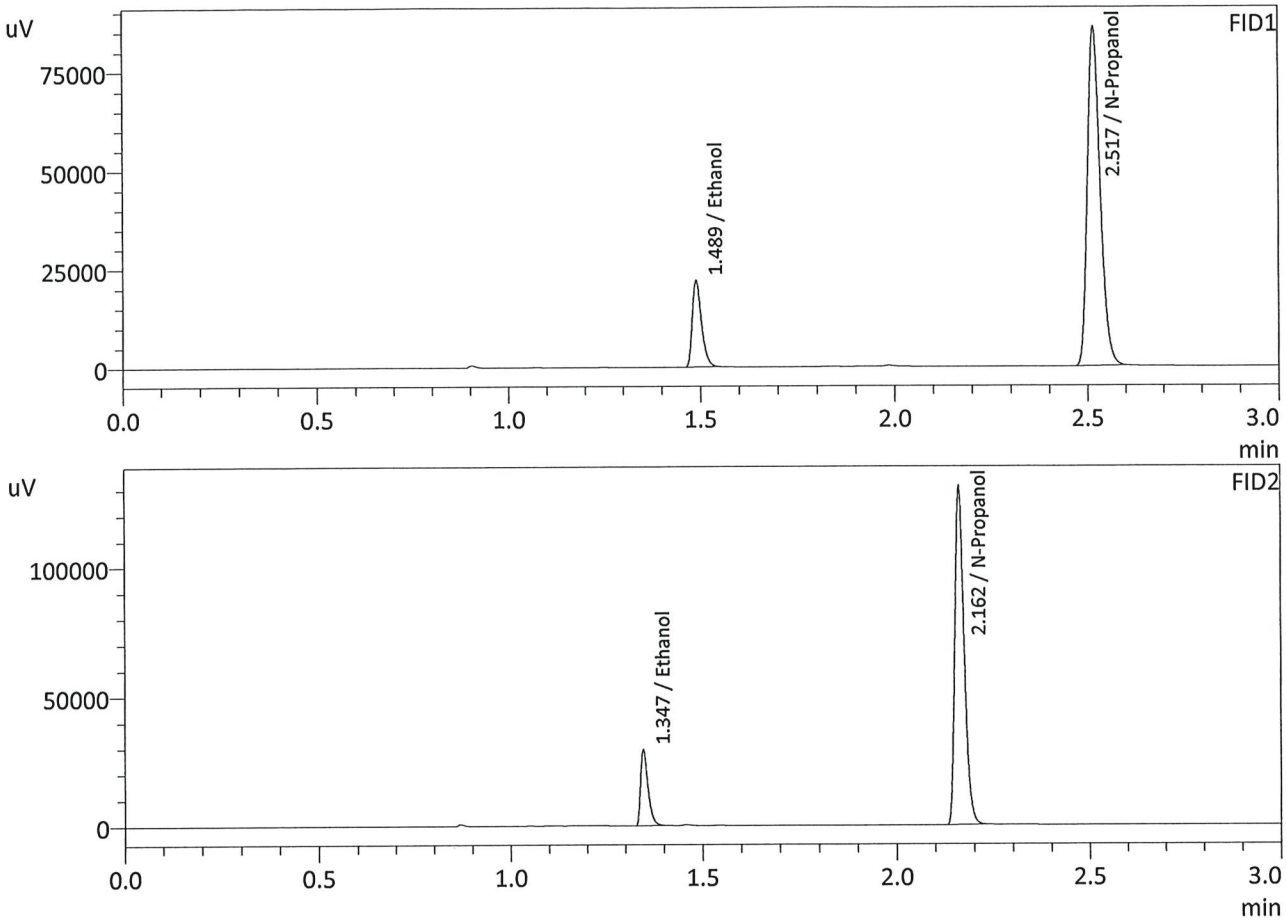
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

Reported Results
0.083

Calibration and control data are stored centrally.

JC

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 3/13/2024 3:11:59 PM
Vial # : 35
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

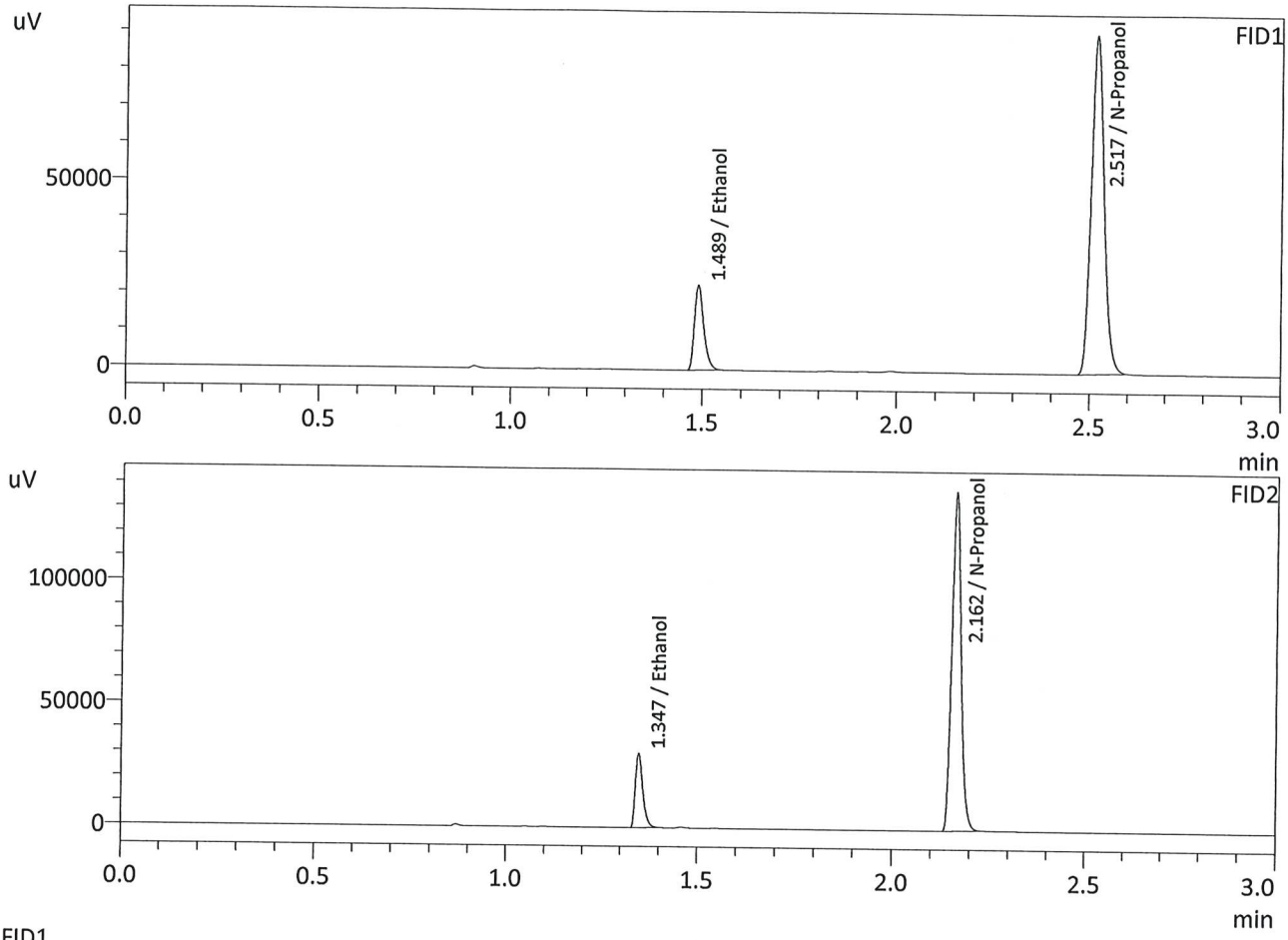
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0843	36386	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200571	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0845	39367	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217089	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 3/13/2024 3:21:41 PM
Vial # : 36
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0827	37559	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211335	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	40634	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228981	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 3/13/2024 4:17:57 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2116	0.2105	0.0011	0.2110	0.0029	0.2095
(g/100cc)	0.2084	0.2078	0.0006	0.2081		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

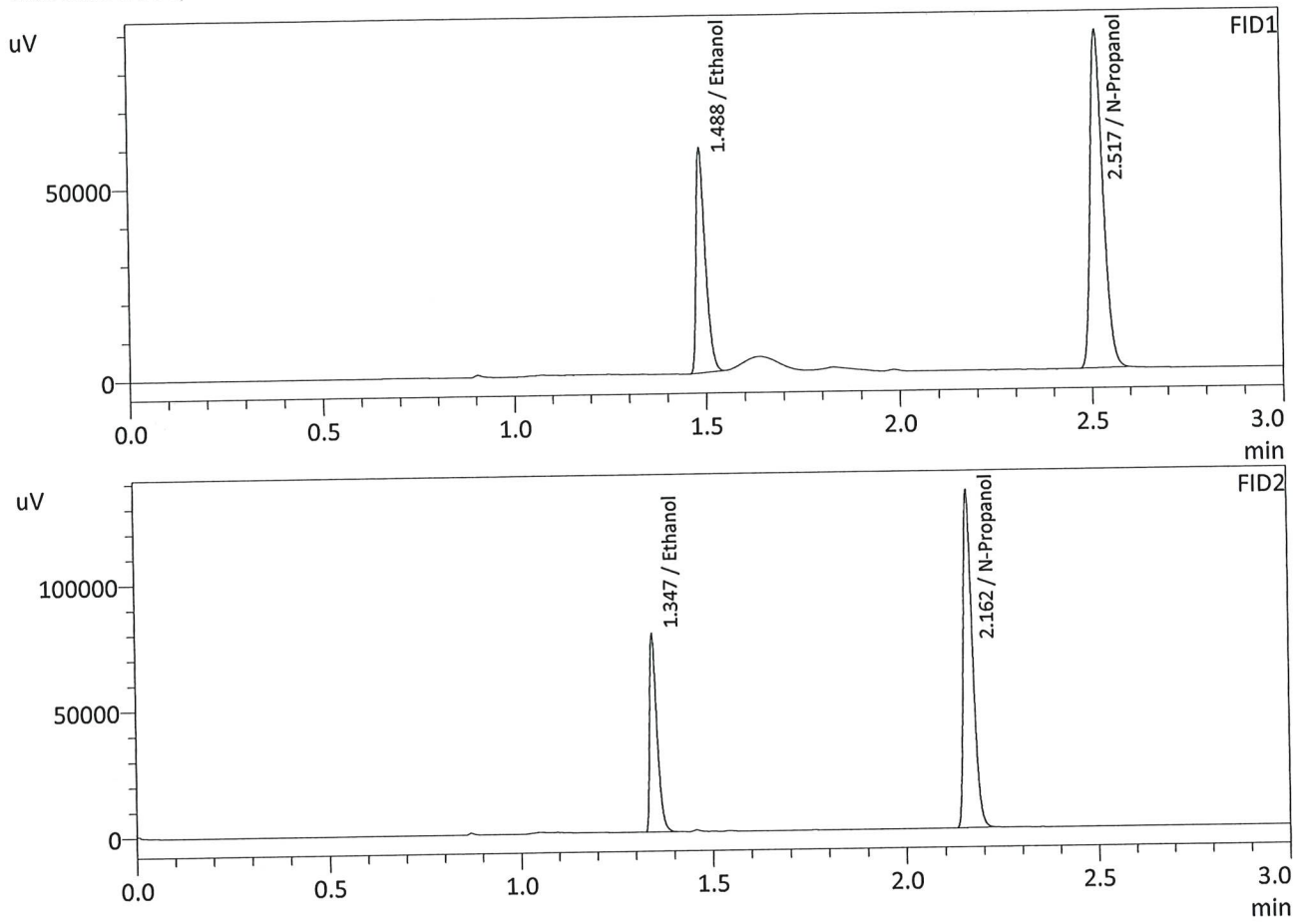
Refer To Instrument Method: ALCOHOL_240304JG.gcm

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

Reported Results
0.209

Calibration and control data are stored centrally.

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 3/13/2024 4:17:57 PM
Vial # : 43
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

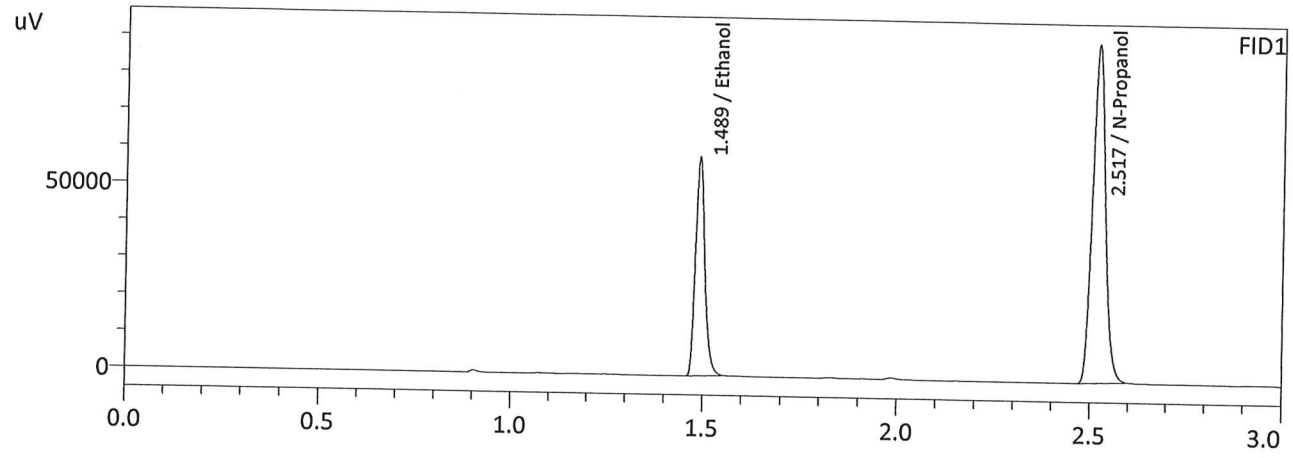
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2116	95964	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205471	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

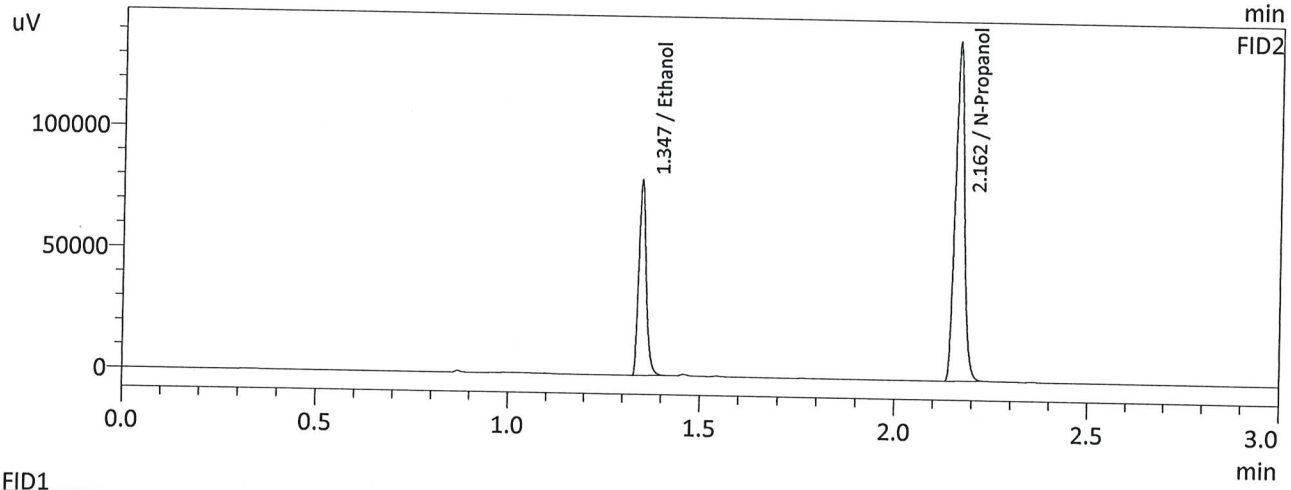
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2105	103738	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222231	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 3/13/2024 4:26:18 PM
Vial # : 44
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

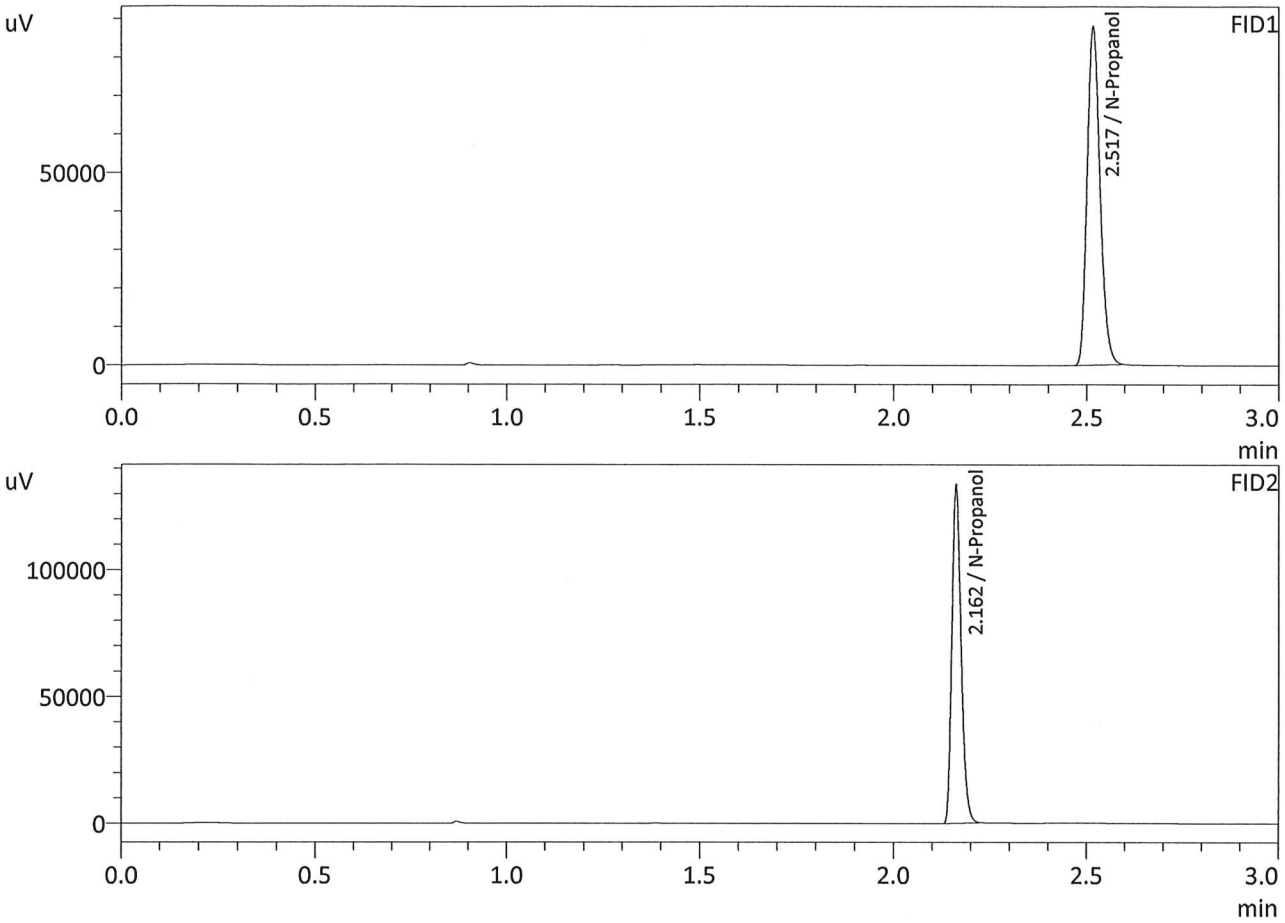
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2084	98263	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213673	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	106592	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	231424	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : ISTD BLK 2
Laboratory : Meridian
Injection Date : 3/13/2024 4:35:25 PM
Vial # : 45
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204937	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	221480	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

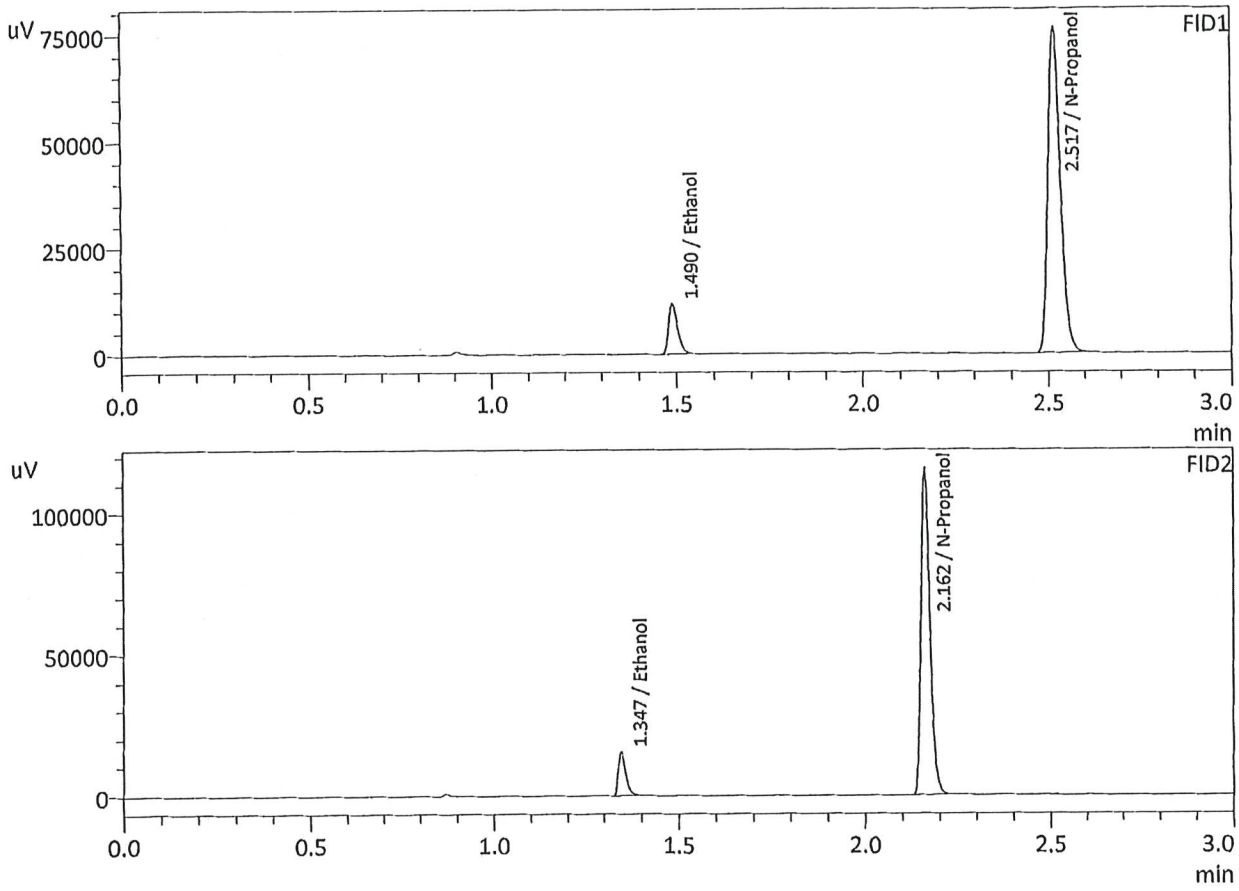
Meridian Blood Alcohol Analysis Batch Table

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

Vial#	Sample Name	Sample Type	Level#	Method File
1	ISTD BLK 1	0:Unknown	0	ALCOHOL 240304JG.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240304JG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240304JG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240304JG.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 240304JG.gcm
7	M2024-0839-1	0:Unknown	0	ALCOHOL 240304JG.gcm
8	M2024-0839-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
9	M2024-0906-1	0:Unknown	0	ALCOHOL 240304JG.gcm
10	M2024-0906-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
11	M2024-0934-1	0:Unknown	0	ALCOHOL 240304JG.gcm
12	M2024-0934-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
13	M2024-0935-1	0:Unknown	0	ALCOHOL 240304JG.gcm
14	M2024-0935-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
15	M2024-0936-1	0:Unknown	0	ALCOHOL 240304JG.gcm
16	M2024-0936-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
17	M2024-0937-1	0:Unknown	0	ALCOHOL 240304JG.gcm
18	M2024-0937-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
19	M2024-0938-1	0:Unknown	0	ALCOHOL 240304JG.gcm
20	M2024-0938-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
21	M2024-0941-1	0:Unknown	0	ALCOHOL 240304JG.gcm
22	M2024-0941-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
23	M2024-0942-1	0:Unknown	0	ALCOHOL 240304JG.gcm
24	M2024-0942-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240304JG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
27	M2024-0960-1	0:Unknown	0	ALCOHOL 240304JG.gcm
28	M2024-0960-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
29	M2024-0967-1	0:Unknown	0	ALCOHOL 240304JG.gcm
30	M2024-0967-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
31	M2024-0968-1	0:Unknown	0	ALCOHOL 240304JG.gcm
32	M2024-0968-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
33	M2024-0986-1	0:Unknown	0	ALCOHOL 240304JG.gcm
34	M2024-0986-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
35	QC-1-2	0:Unknown	0	ALCOHOL 240304JG.gcm
36	QC-1-2-B	0:Unknown	0	ALCOHOL 240304JG.gcm
37	M204-0987-DILX3-1	0:Unknown	0	ALCOHOL 240304JG.gcm
38	M204-0987-DILX3-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
39	M204-0987-DILX2-1	0:Unknown	0	ALCOHOL 240304JG.gcm
40	M204-0987-DILX2-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
41	M204-0987-1	0:Unknown	0	ALCOHOL 240304JG.gcm
42	M204-0987-1-B	0:Unknown	0	ALCOHOL 240304JG.gcm
43	QC-2-2	0:Unknown	0	ALCOHOL 240304JG.gcm
44	QC-2-2-B	0:Unknown	0	ALCOHOL 240304JG.gcm
45	ISTD BLK 2	0:Unknown	0	ALCOHOL 240304JG.gcm

JG

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



FID1

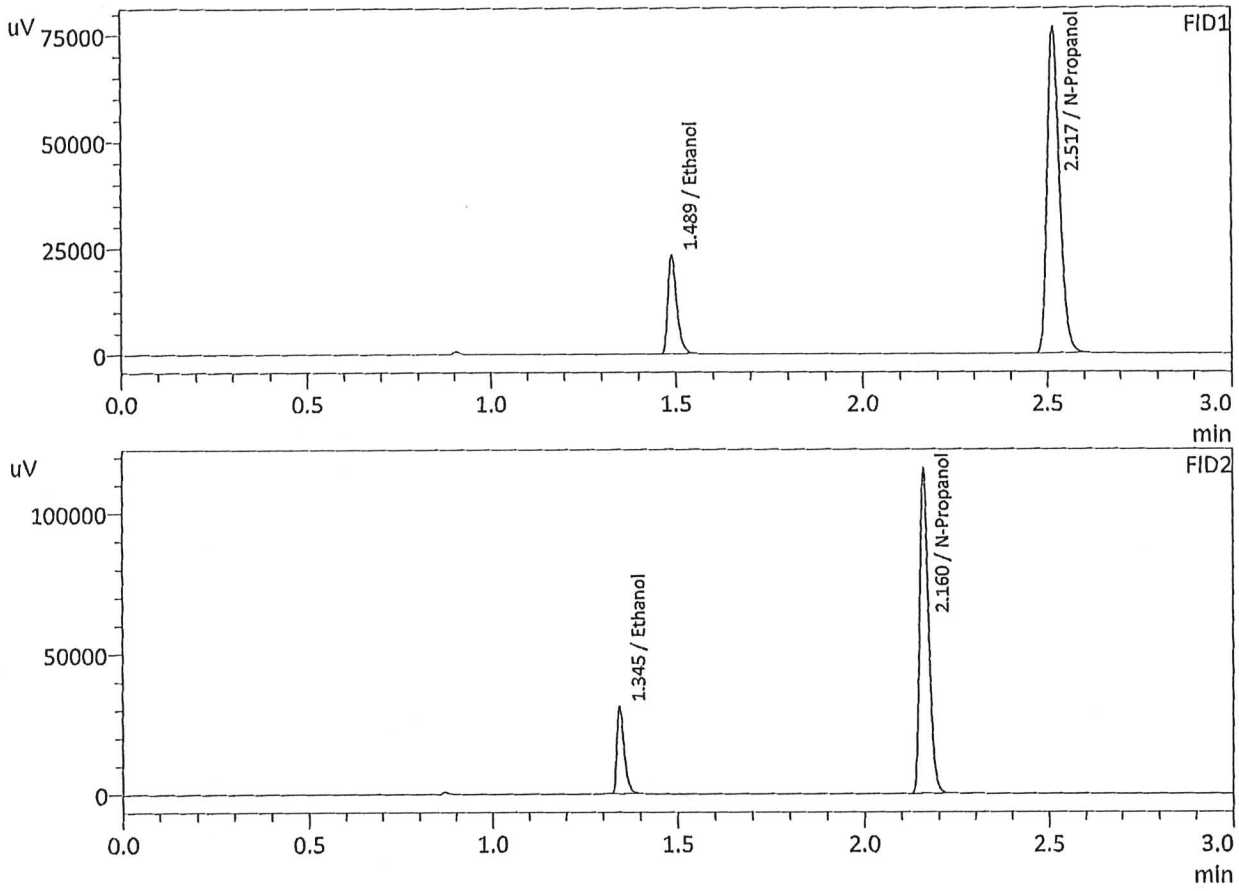
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0521	19457	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	178372	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

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

JC

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



FID1

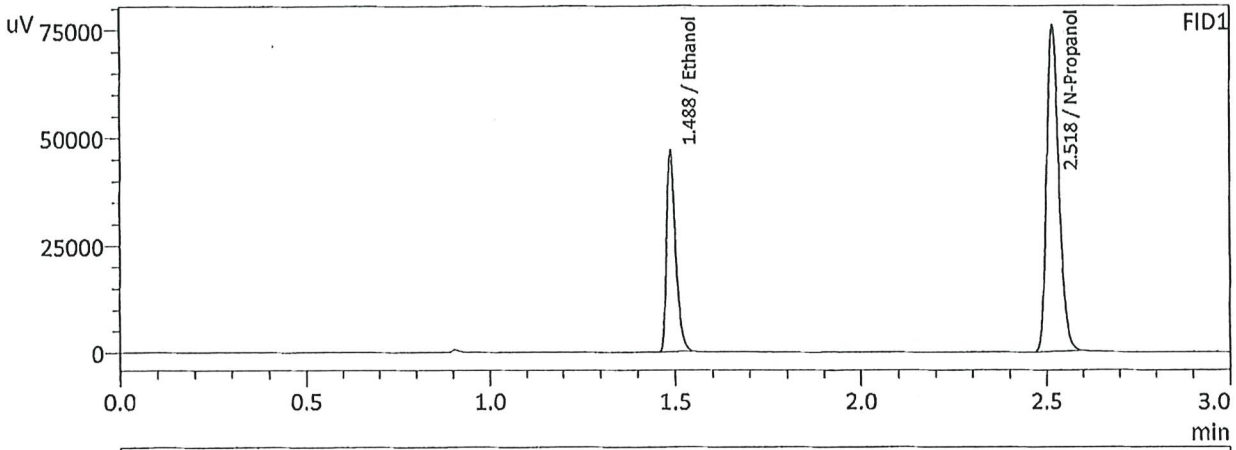
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0990	38330	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	178752	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

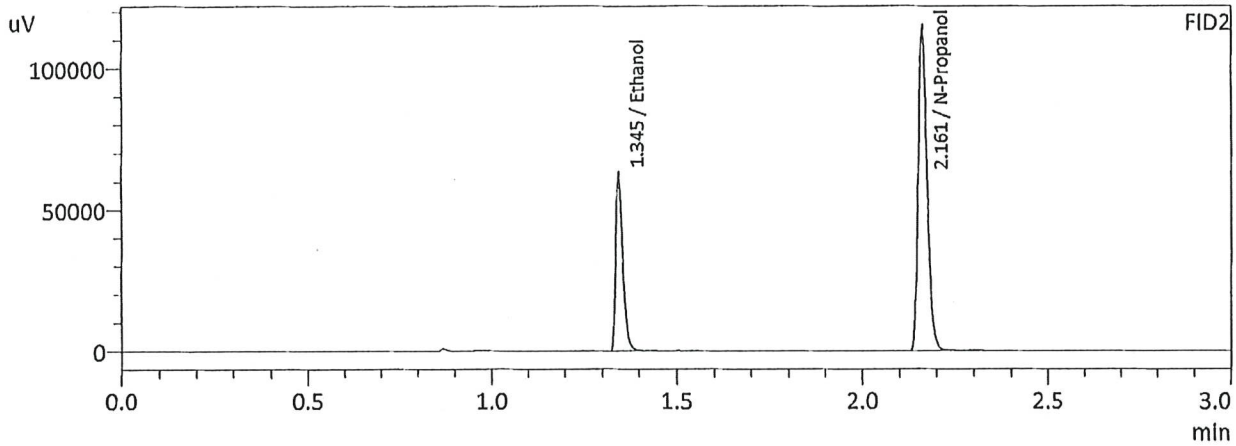
FID2

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

JC

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





FID1

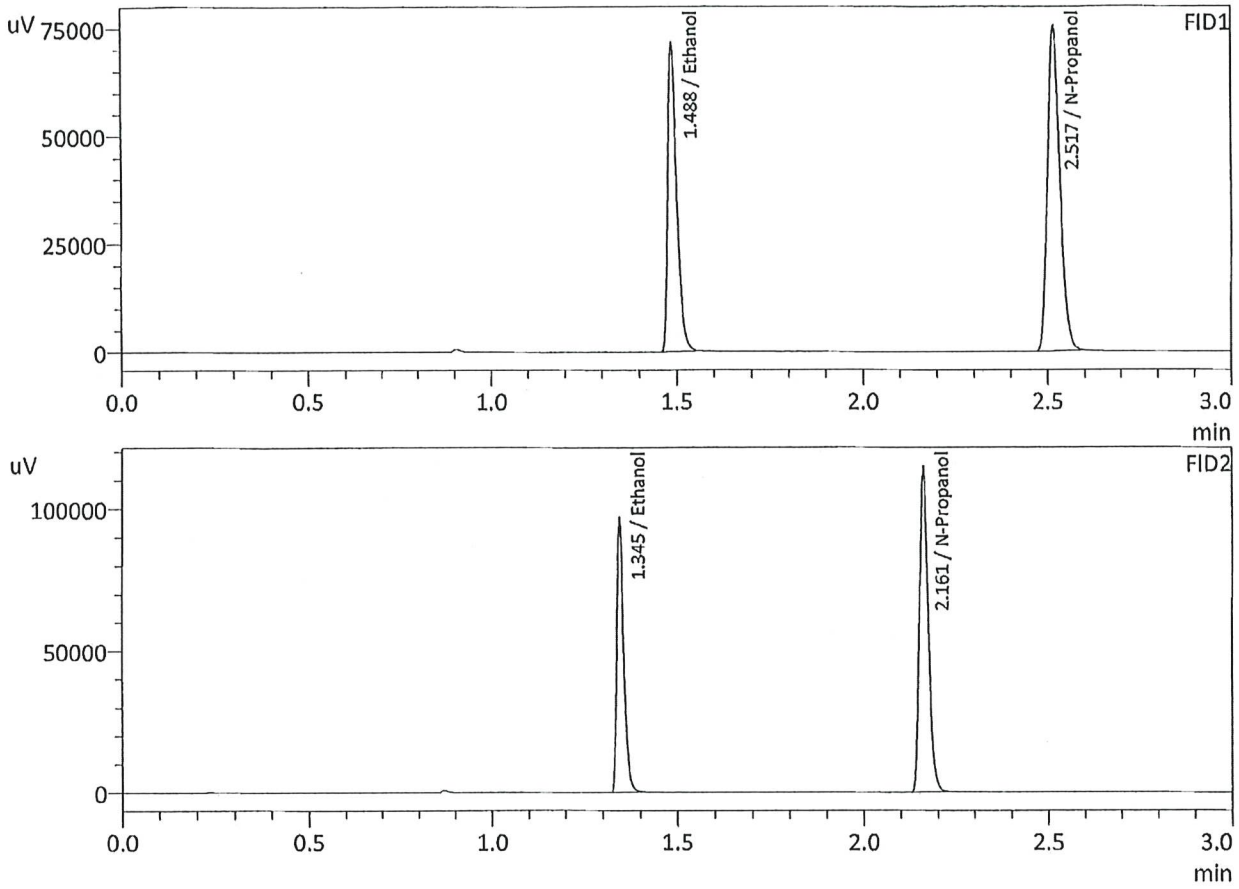
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1976	77298	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177515	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

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

JG

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



FID1

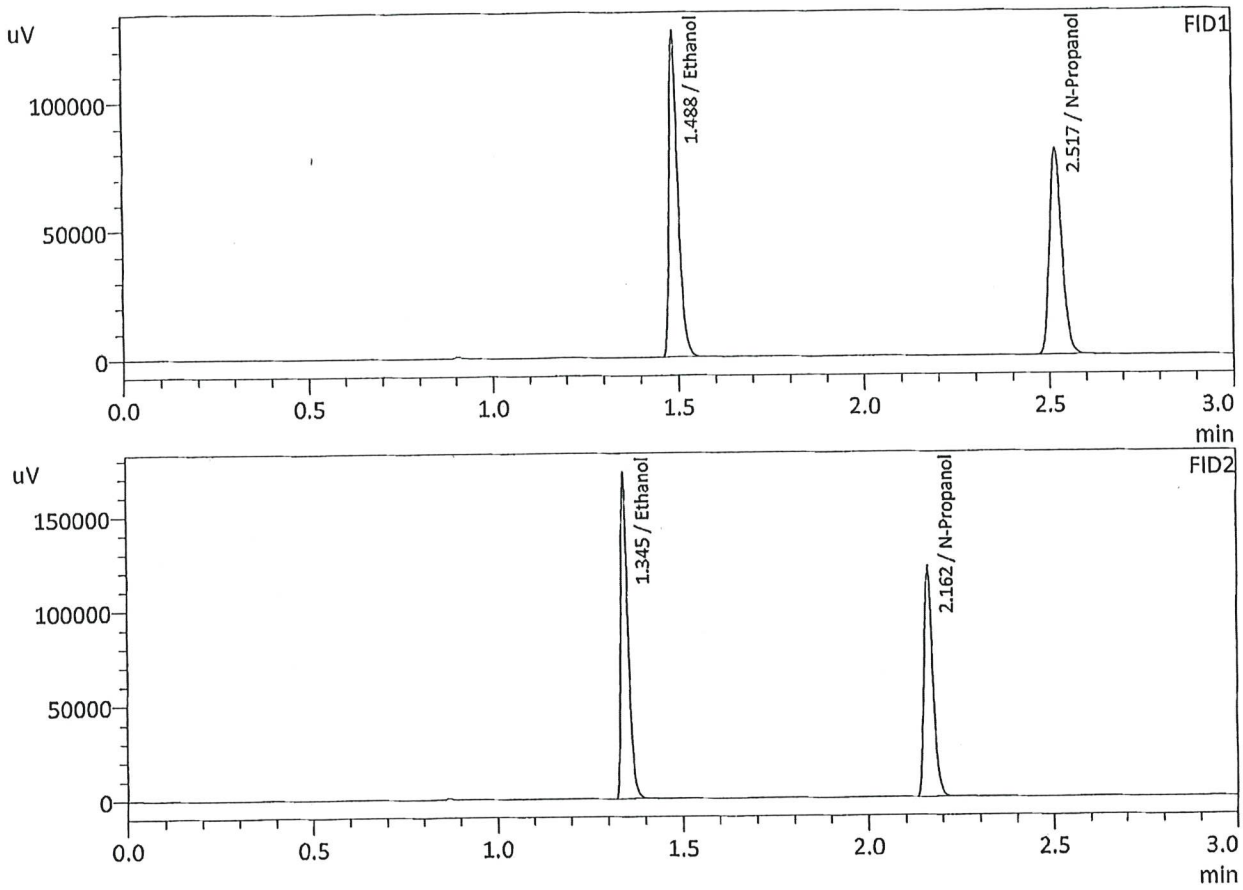
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3005	117431	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	176208	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

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

JC

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



FID1

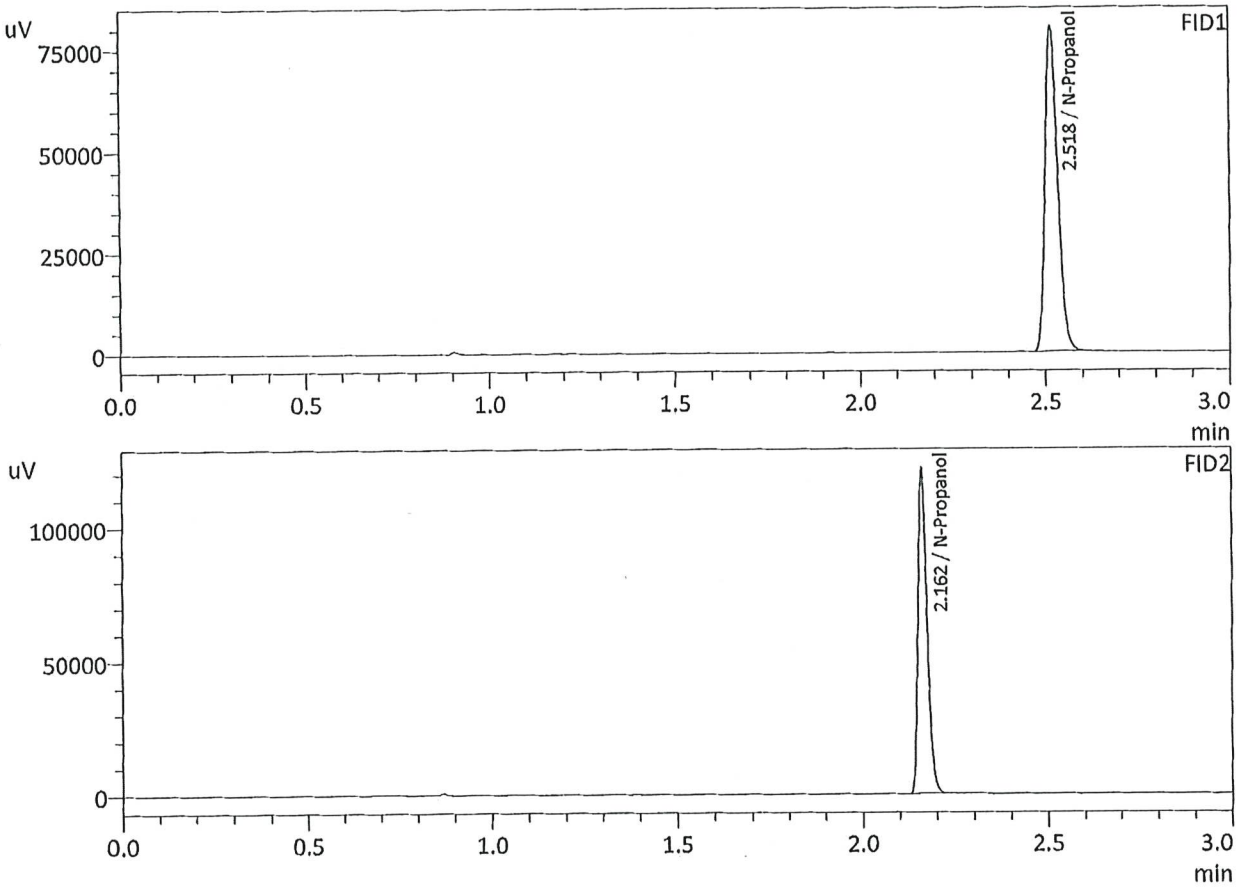
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5005	207988	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186506	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

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

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 3/4/2024 12:31:43 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240304JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187051	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

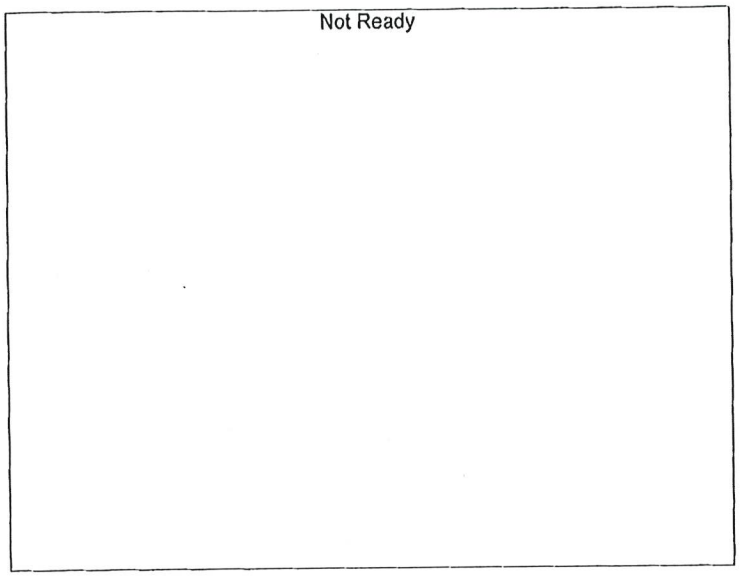
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201796	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Calibration Table

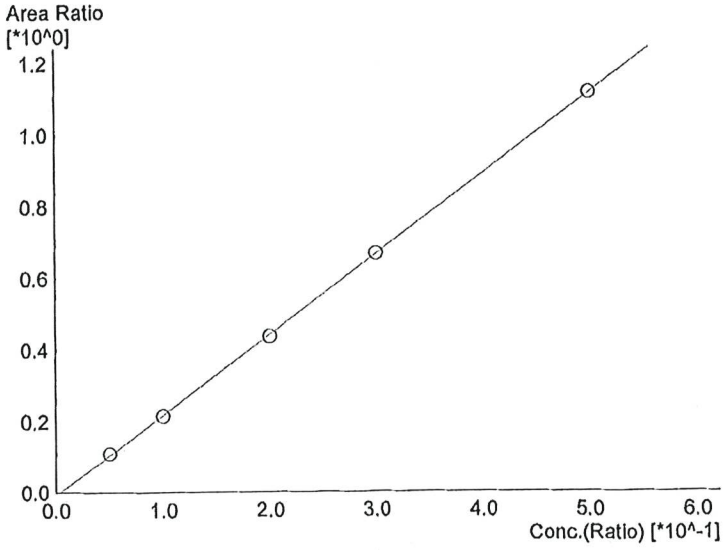
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_240304JG.gcm
Batch File :Default Project - CALCURVE_240304JG.gcb
Date Acquired :3/4/2024 12:23:46 PM
Date Created :3/4/2024 12:18:11 PM
Date Modified :3/4/2024 12:26:48 PM



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

#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.24355*x-0.00790169
R^2 value= 0.9999080
FitType: Linear
ZeroThrough: Not Through

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

JG

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

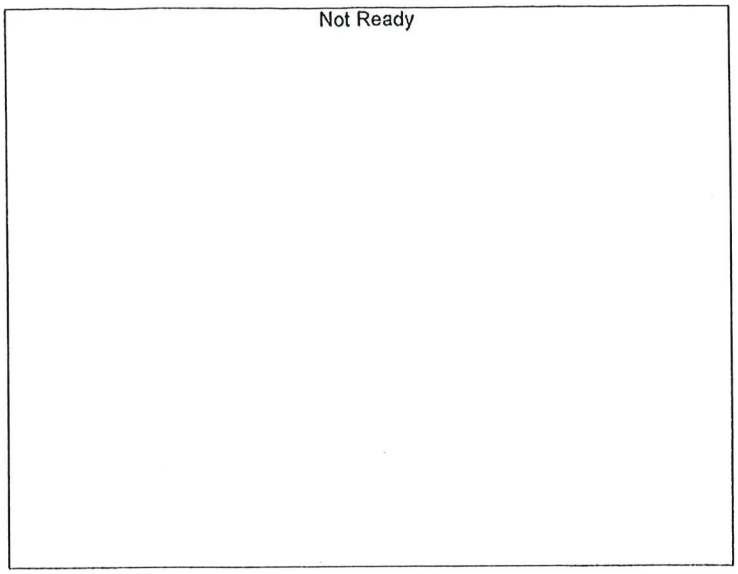
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

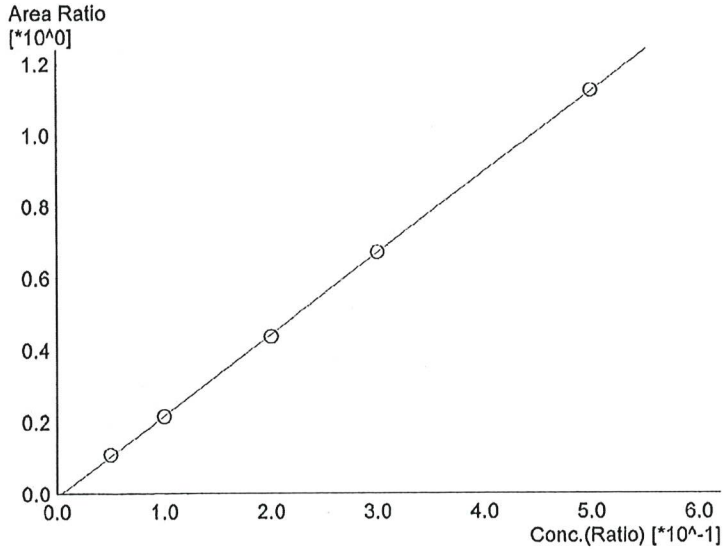
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



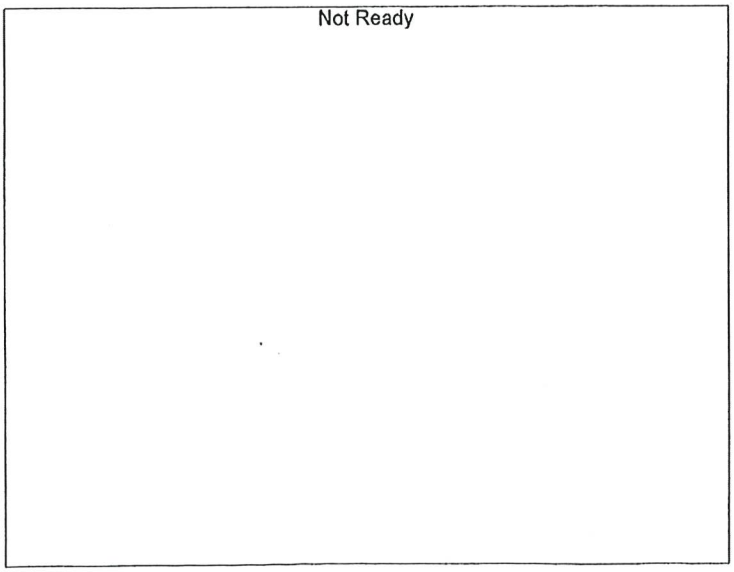
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



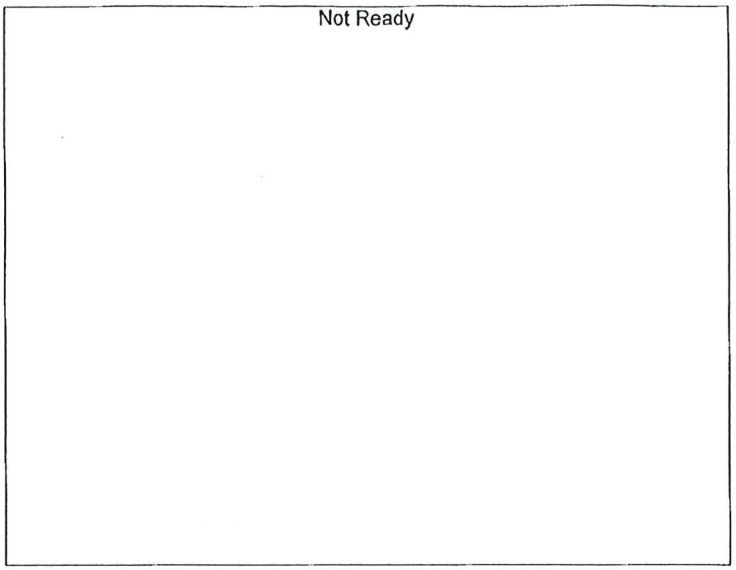
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.26490*x-0.0100821
R^2 value= 0.9998905
FitType: Linear
ZeroThrough: Not Through

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



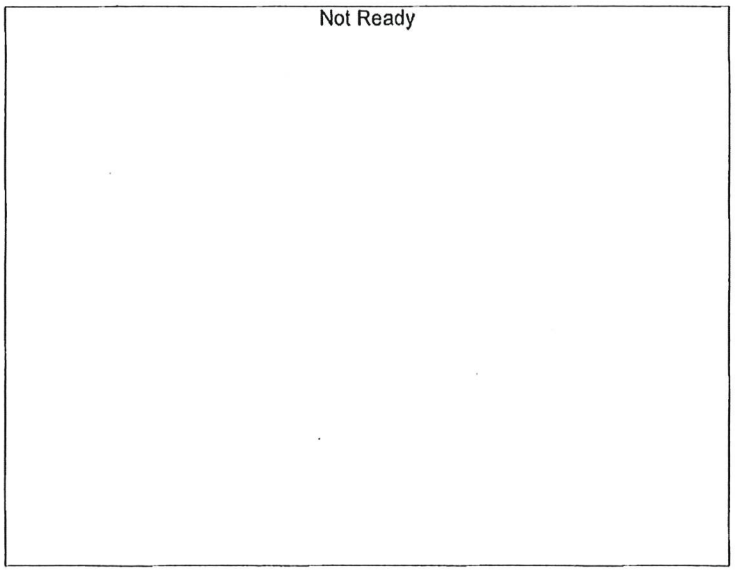
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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.

JG