REVIEWED
By Melissa (Nikka) Bradley at 10:29 am, Sep 25, 2024
AB

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): 9/20/24**

Calibration Date: *(if different)* **9/10/24**

Worklist #: 6933

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0808 g/100cc
					0.0836 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.1969 g/100cc
					0.1966 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 24	Lot #	FN06041902	
Curve Fit:		Column 1	0.99957	Column2	0.99955

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0536	0.0534	0.0002	0.0535
100	0.100	0.090 - 0.110	0.1009	0.1013	0.0004	0.1011
200	0.200	0.180 - 0.220	0.1953	0.1951	0.0002	0.1952
300	0.300	0.270 - 0.330	0.2969	0.2967	0.0002	0.2968
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5031	0.5032	1E-04	0.5031

Aqueous Controls

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

JC

Internal Standard Monitoring Worksheet

Worklist #:	6933	Run Date(s):	9/20/24

Internal Standard Solution:	Prep Date:	8/5/2024	Exp Date:	2/5/2025

Sample Name	Column 1 Value	Column 2 Value
0.080	205945	224127
0.080	193966	211136
QC1	199378	216642
QC1	203309	221249
QC1	235693	257204
QC1	247017	269430
QC1		
QC1		
QC2	217673	237746
QC2	228020	249111
QC2	235753	257036
QC2	256117	279731
QC2		
QC2		

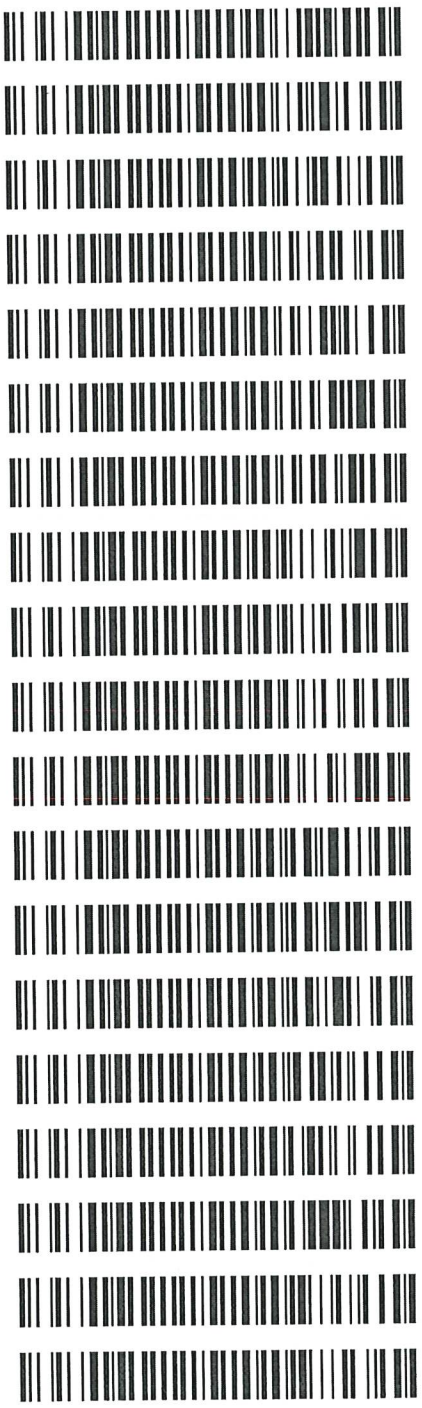
	Average	(-)20%	(+)20%
Column 1	222287.1	177829.7	266744.5
Column 2	242341.2	193873.0	290809.4

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

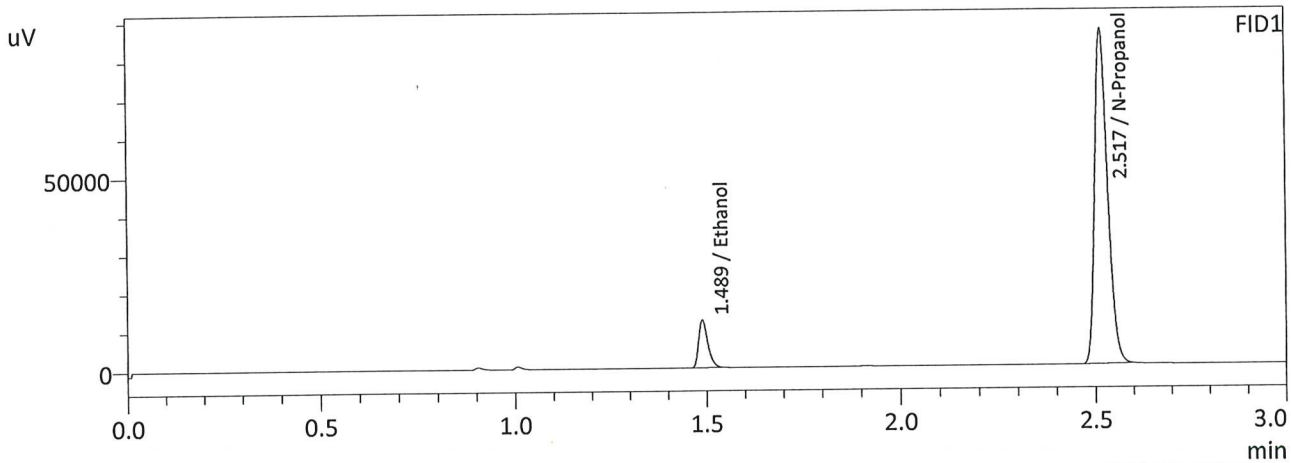
9/24/2024

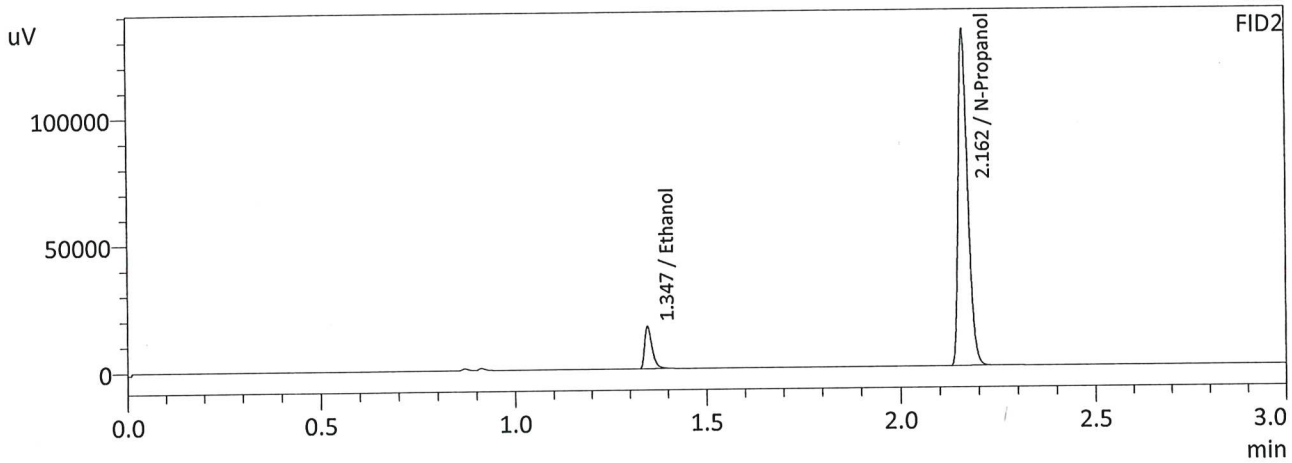
Worklist: 6933

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-3731	1	BCK	Alcohol Analysis
M2024-3733	1	BCK	Alcohol Analysis
M2024-3742	1	BCK	Alcohol Analysis
M2024-3748	1	BCK	Alcohol Analysis
M2024-3751	1	BCK	Alcohol Analysis
M2024-3753	1	BCK	Alcohol Analysis
M2024-3756	1	BCK	Alcohol Analysis
M2024-3782	1	BCK	Alcohol Analysis
M2024-3783	1	BCK	Alcohol Analysis
M2024-3801	1	BCK	Alcohol Analysis
M2024-3802	1	BCK	Alcohol Analysis
M2024-3820	1	BCK	Alcohol Analysis
M2024-3821	1	BCK	Alcohol Analysis
M2024-3822	1	BCK	Alcohol Analysis
M2024-3843	1	BCK	Alcohol Analysis
M2024-3888	1	BCK	Alcohol Analysis
M2024-3889	1	BCK	Alcohol Analysis
M2024-3907	1	BCK	Alcohol Analysis
M2024-3908	1	BCK	Alcohol Analysis



Sample Name : 0.050
Laboratory : Meridian
Injection Date : 9/10/2024 1:14:08 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





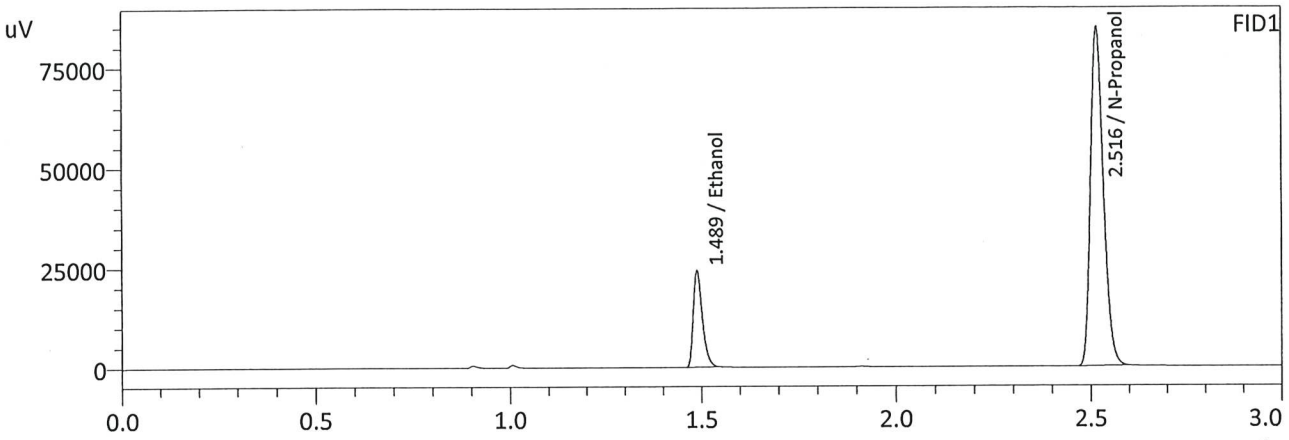
FID1

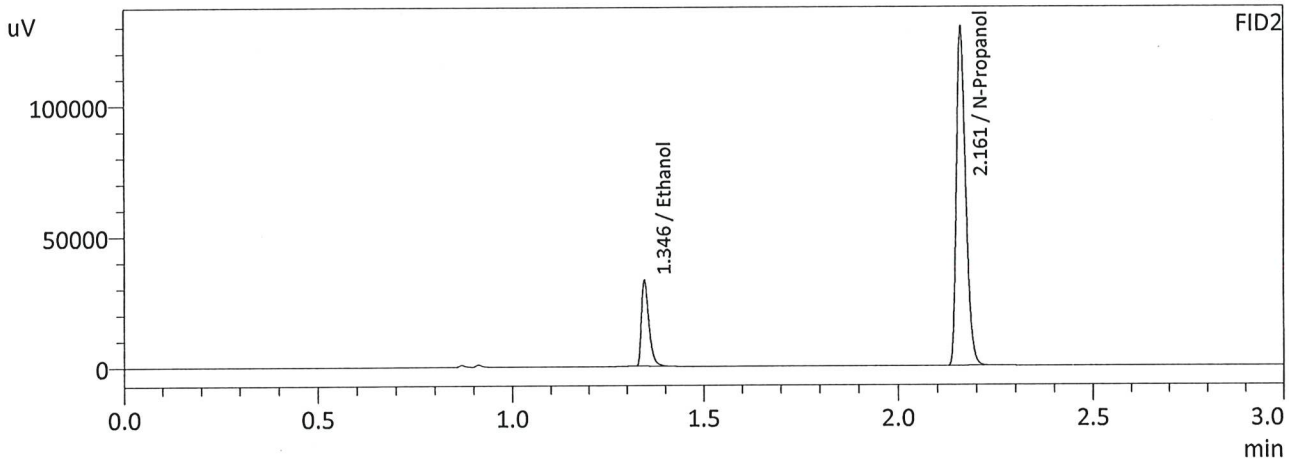
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0536	20492	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202012	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0534	22345	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219664	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 9/10/2024 1:21:27 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





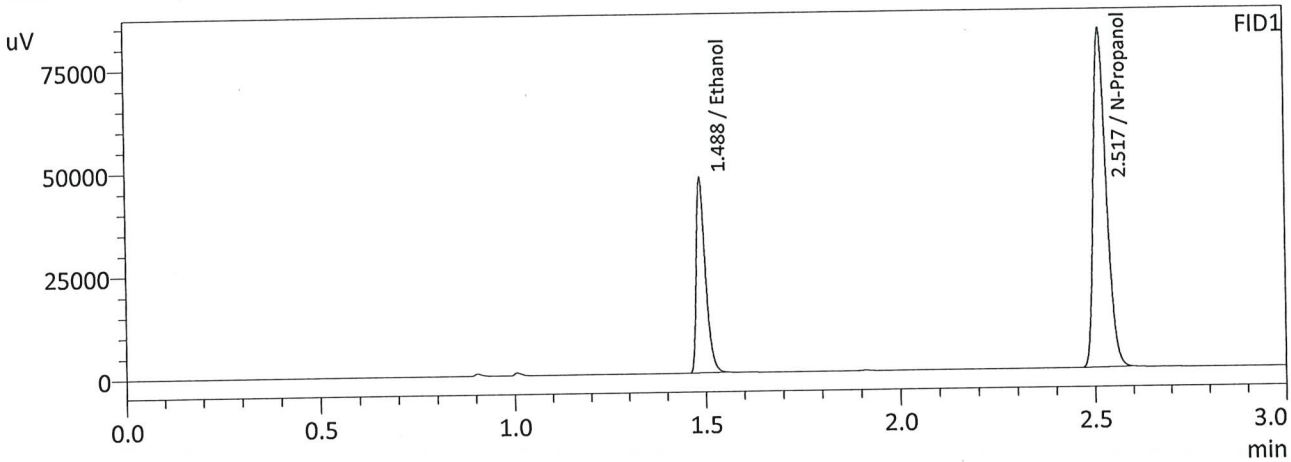
FID1

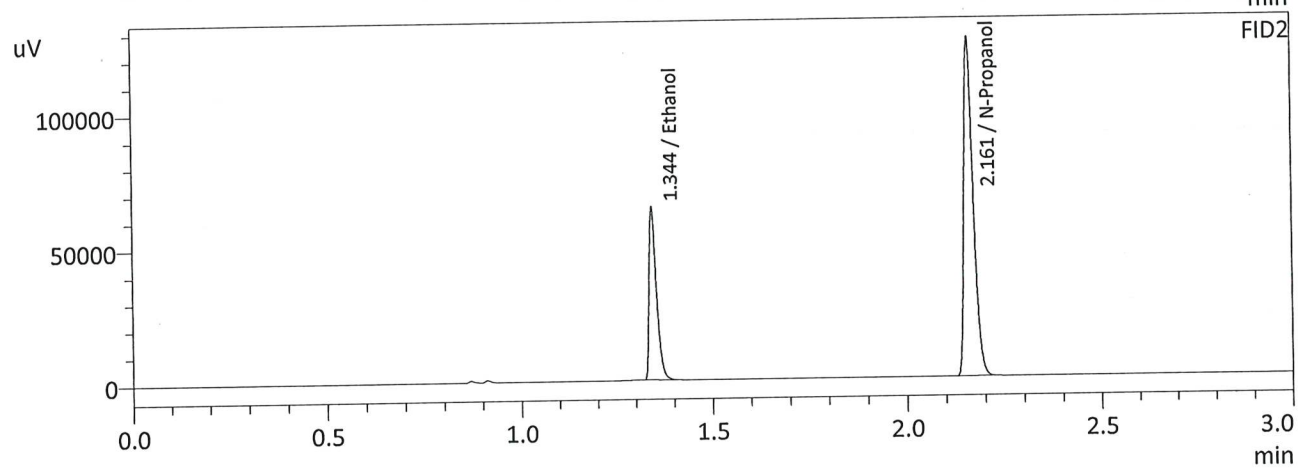
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1009	40047	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197214	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1013	44028	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214574	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 9/10/2024 1:28:48 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

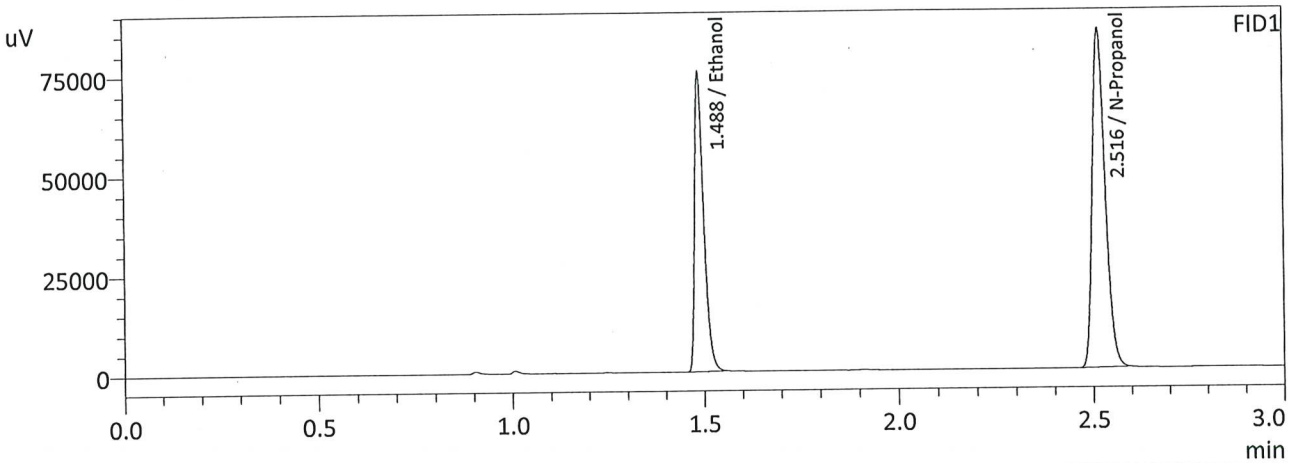
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1953	77822	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191607	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

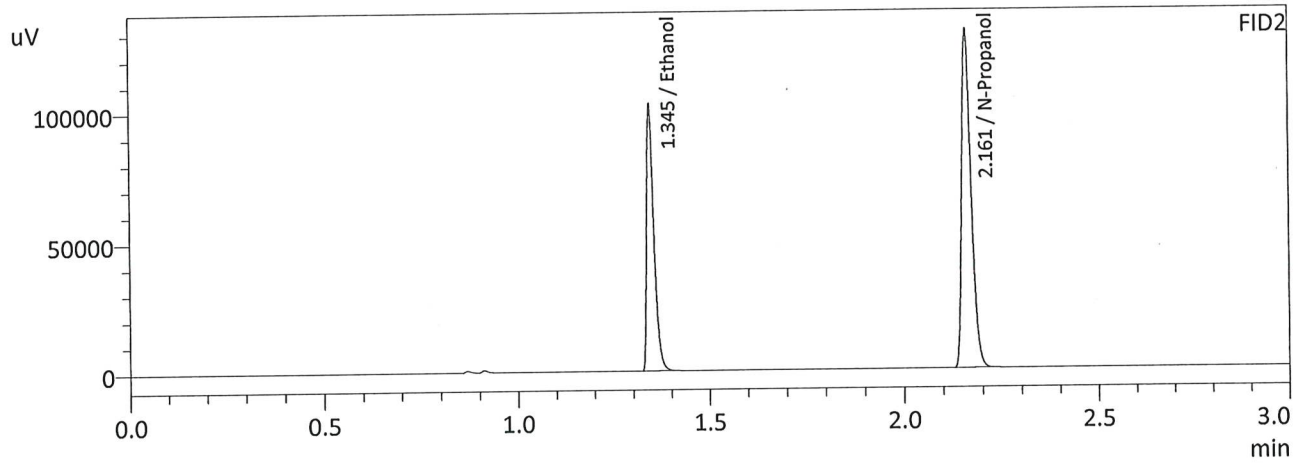
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1951	84766	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208081	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 9/10/2024 1:37:41 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

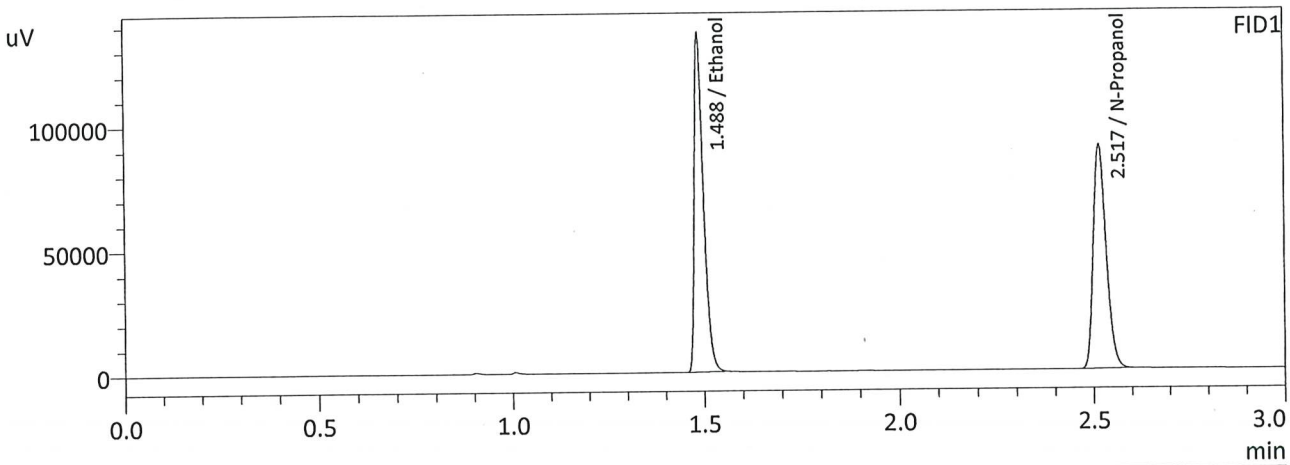
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2969	123682	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197952	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

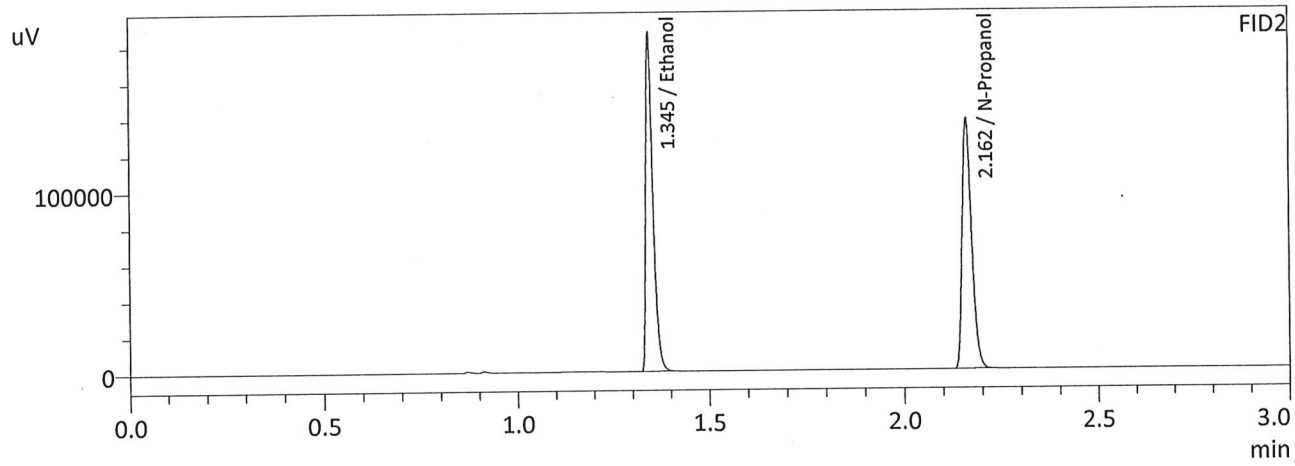
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2967	134987	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215518	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 9/10/2024 1:45:10 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5031	224243	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209879	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5032	244703	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228376	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_240910JG.gcm
Batch File :Default Project - CALCURVE_240910JG.gcb
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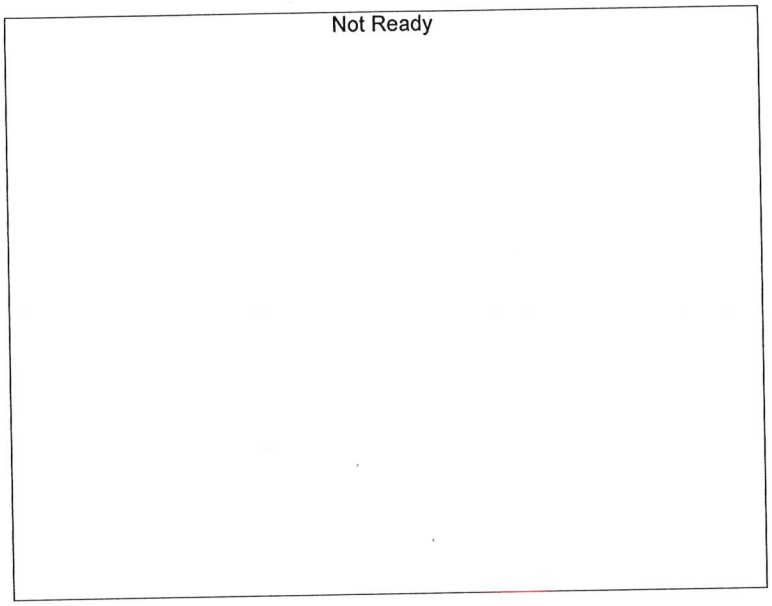
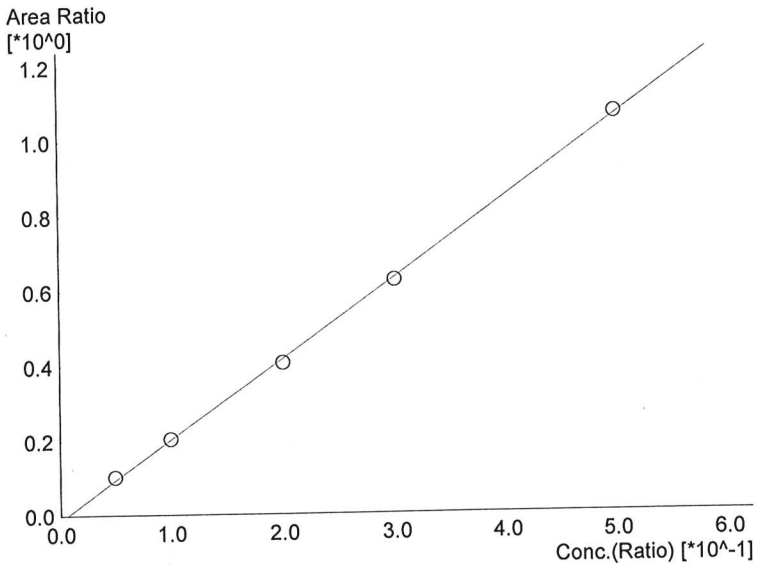
Date Created :9/10/2024 1:40:46 PM
Date Modified :9/10/2024 1:48:12 PM



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

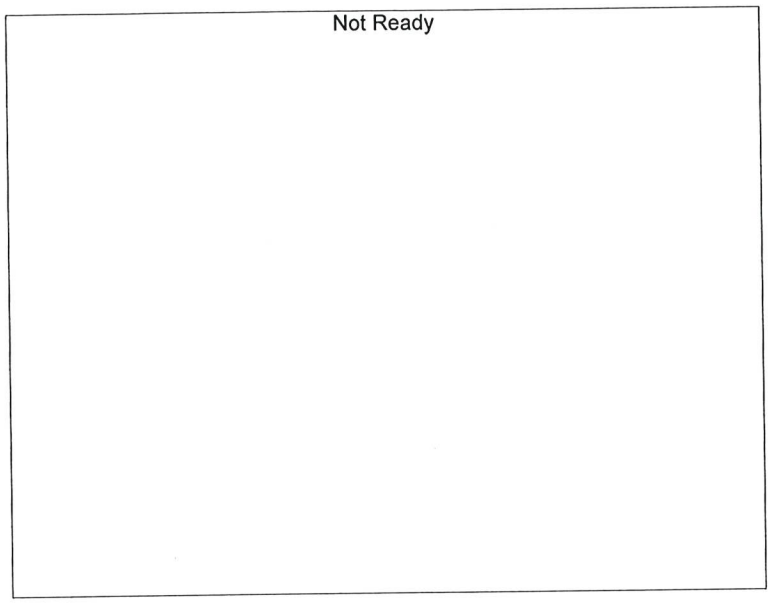
#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.15135*x-0.0140297
R^2 value= 0.9995659
FitType: Linear
ZeroThrough: Not Through

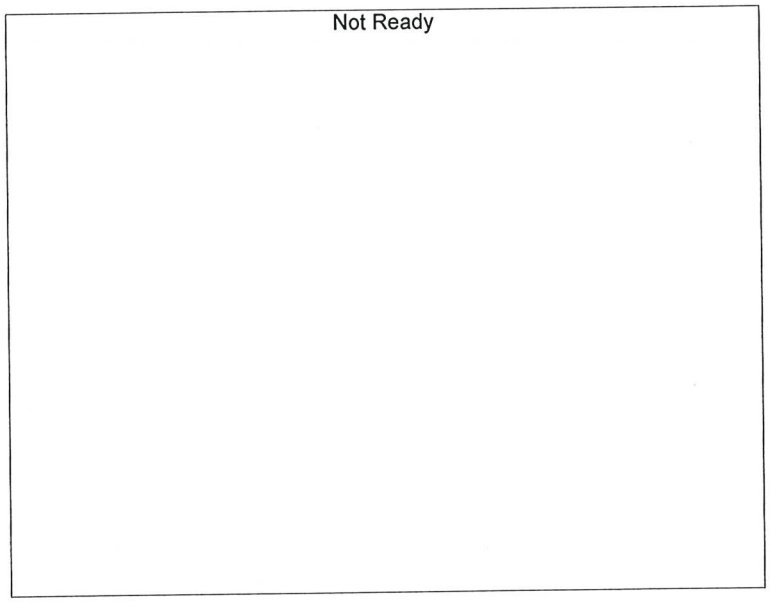
#	Conc.	Area	Std. Conc.
1	0.050	20492	0.0536
2	0.100	40047	0.1009
3	0.200	77822	0.1953
4	0.300	123682	0.2969
5	0.500	224243	0.5031

JG



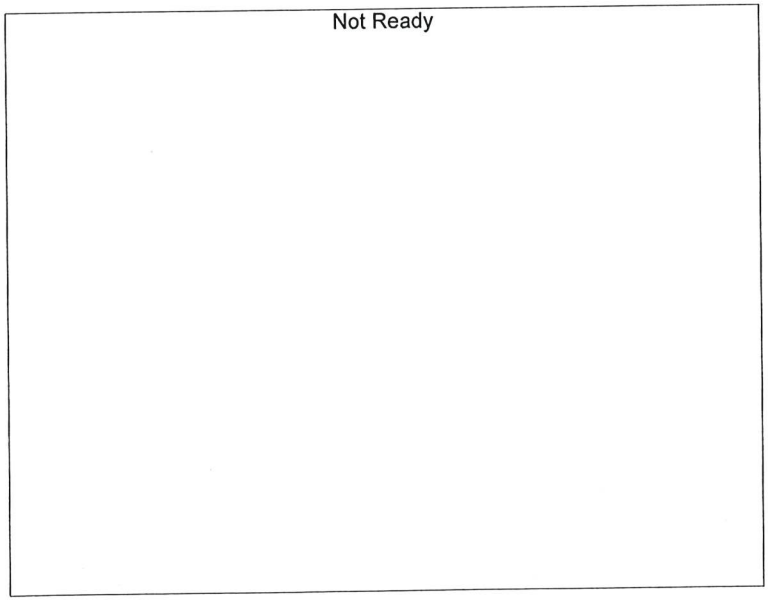
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



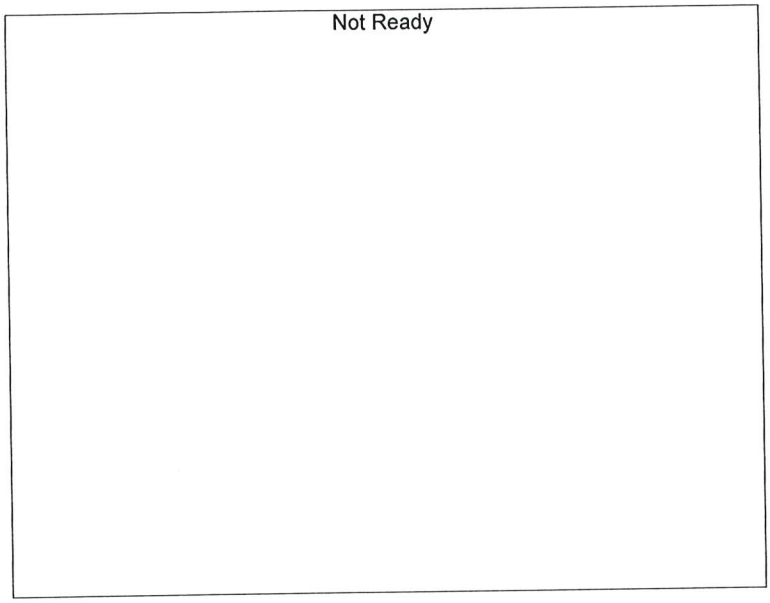
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



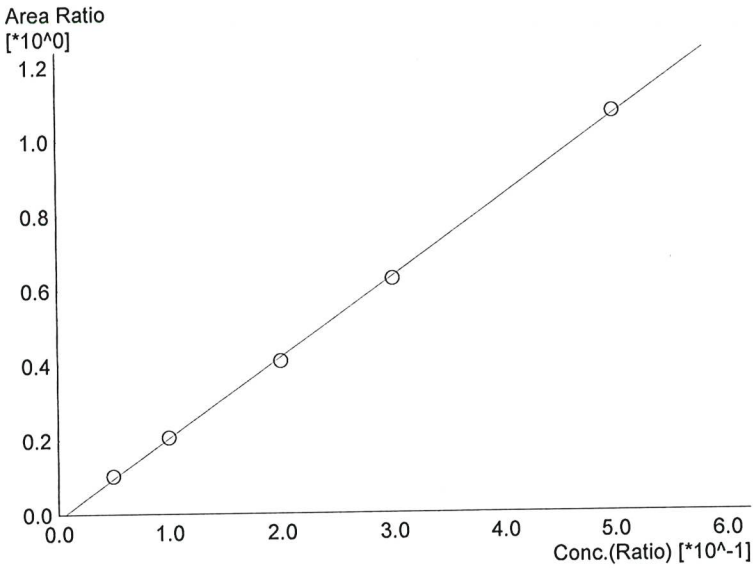
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



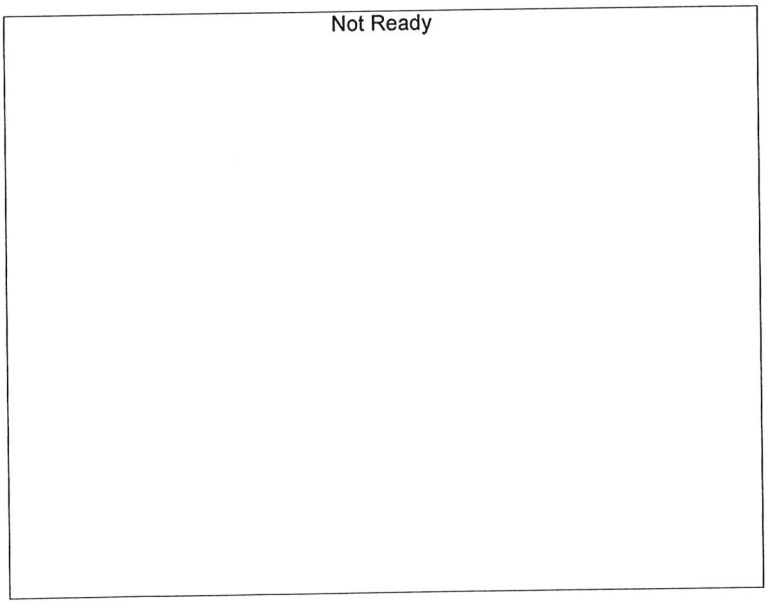
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



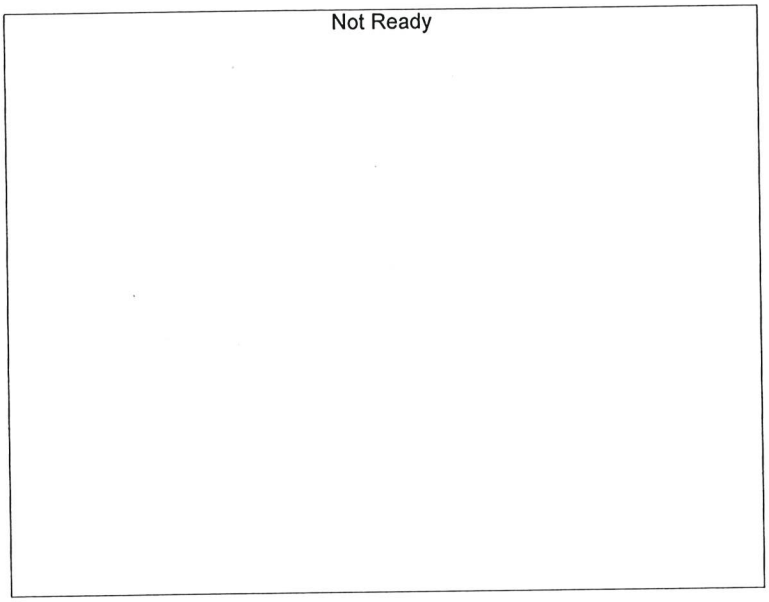
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.15579*x-0.0134087
R^2 value= 0.9995484
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	22345	0.0534
2	0.100	44028	0.1013
3	0.200	84766	0.1951
4	0.300	134987	0.2967
5	0.500	244703	0.5032



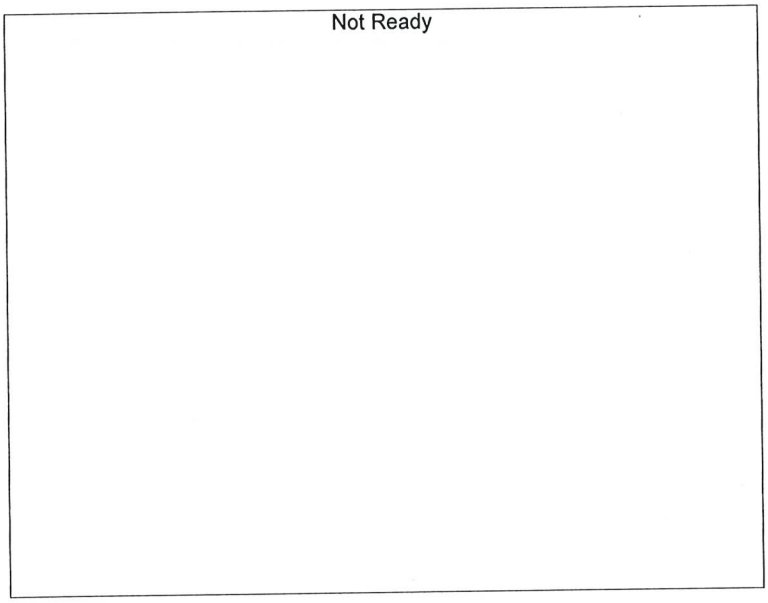
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

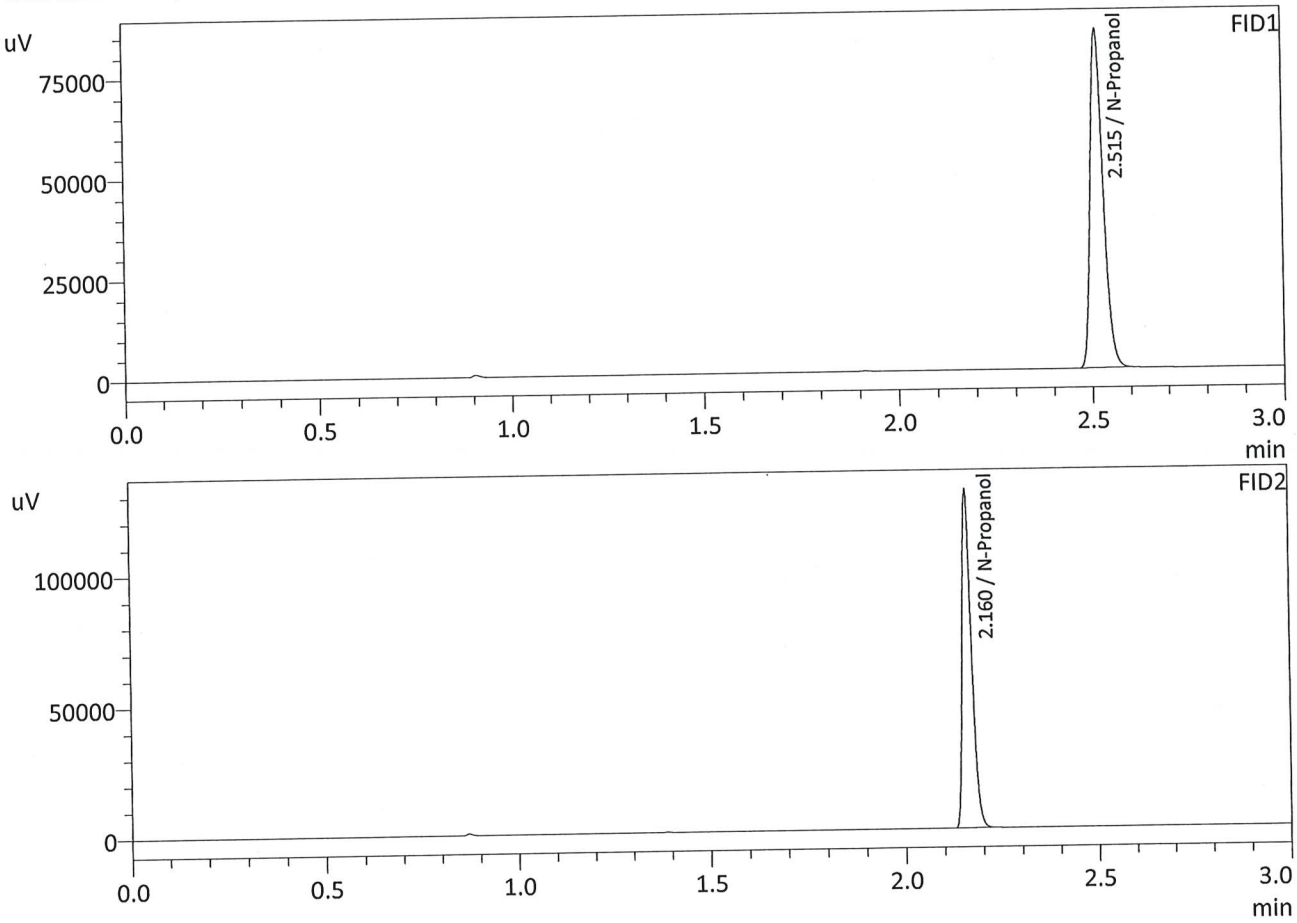
#	Conc.	Area	Std. Conc.

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 240910JG.gcm
2	0.100	1:Standard	2	ALCOHOL 240910JG.gcm
3	0.200	1:Standard	3	ALCOHOL 240910JG.gcm
4	0.300	1:Standard	4	ALCOHOL 240910JG.gcm
5	0.500	1:Standard	5	ALCOHOL 240910JG.gcm
6	ISTD BLK	0:Unknown	0	ALCOHOL 240910JG.gcm

Sample Name : ISTD BLK 1
Laboratory : Meridian
Injection Date : 9/20/2024 12:00:32 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

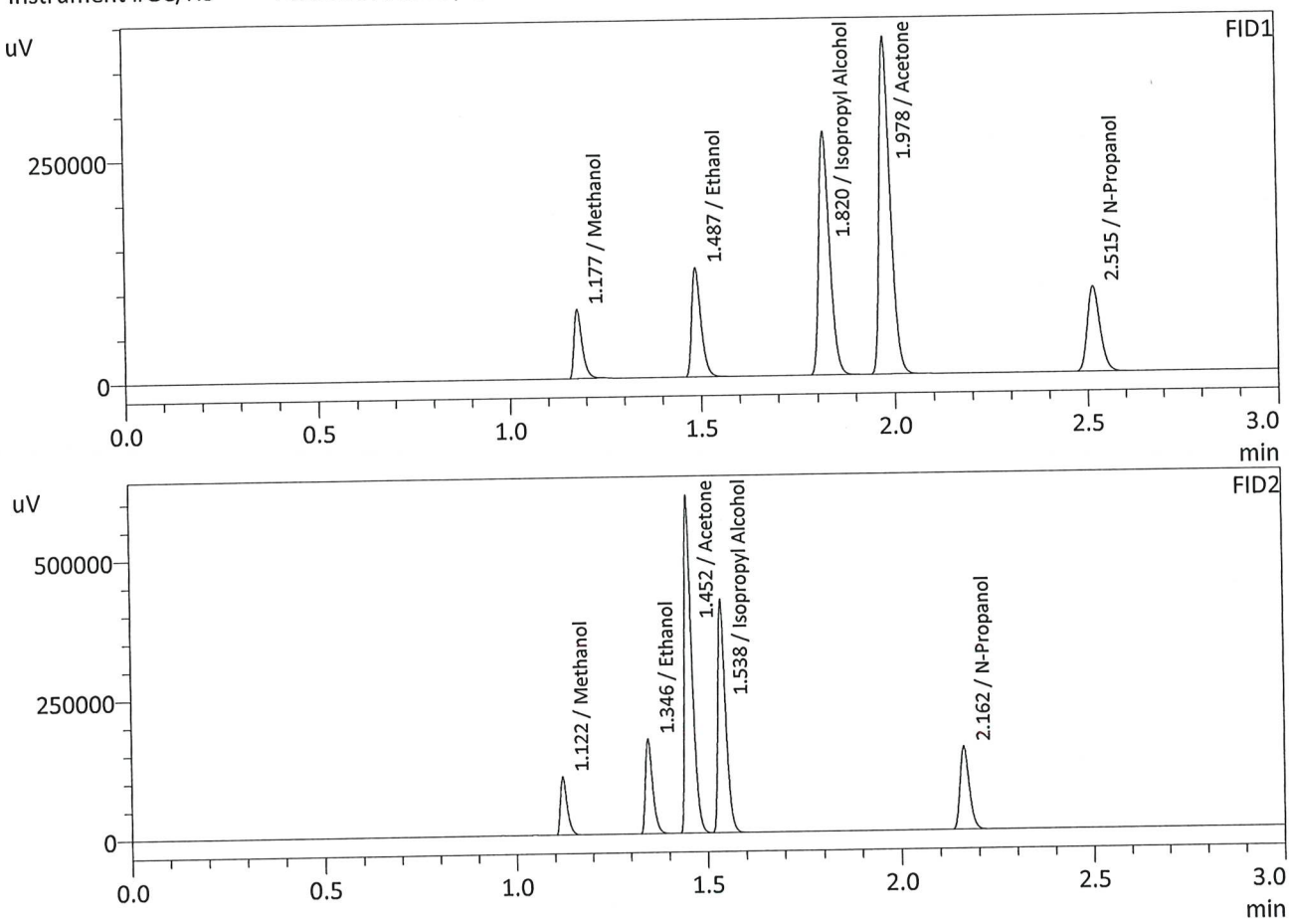
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196553	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213598	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 9/20/2024 12:07:54 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	115266	g/100cc
Ethanol	0.4278	202750	g/100cc
Isopropyl Alcohol	0.0000	530902	g/100cc
Acetone	0.0000	741866	g/100cc
N-Propanol	0.0000	223662	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	129014	g/100cc
Ethanol	0.4278	222539	g/100cc
Acetone	0.0000	811519	g/100cc
Isopropyl Alcohol	0.0000	577560	g/100cc
N-Propanol	0.0000	244835	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 9/20/2024 12:15:12 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0800	0.0797	0.0003	0.0798	0.0021	0.0808
(g/100cc)	0.0821	0.0817	0.0004	0.0819		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240910JG.gcm

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

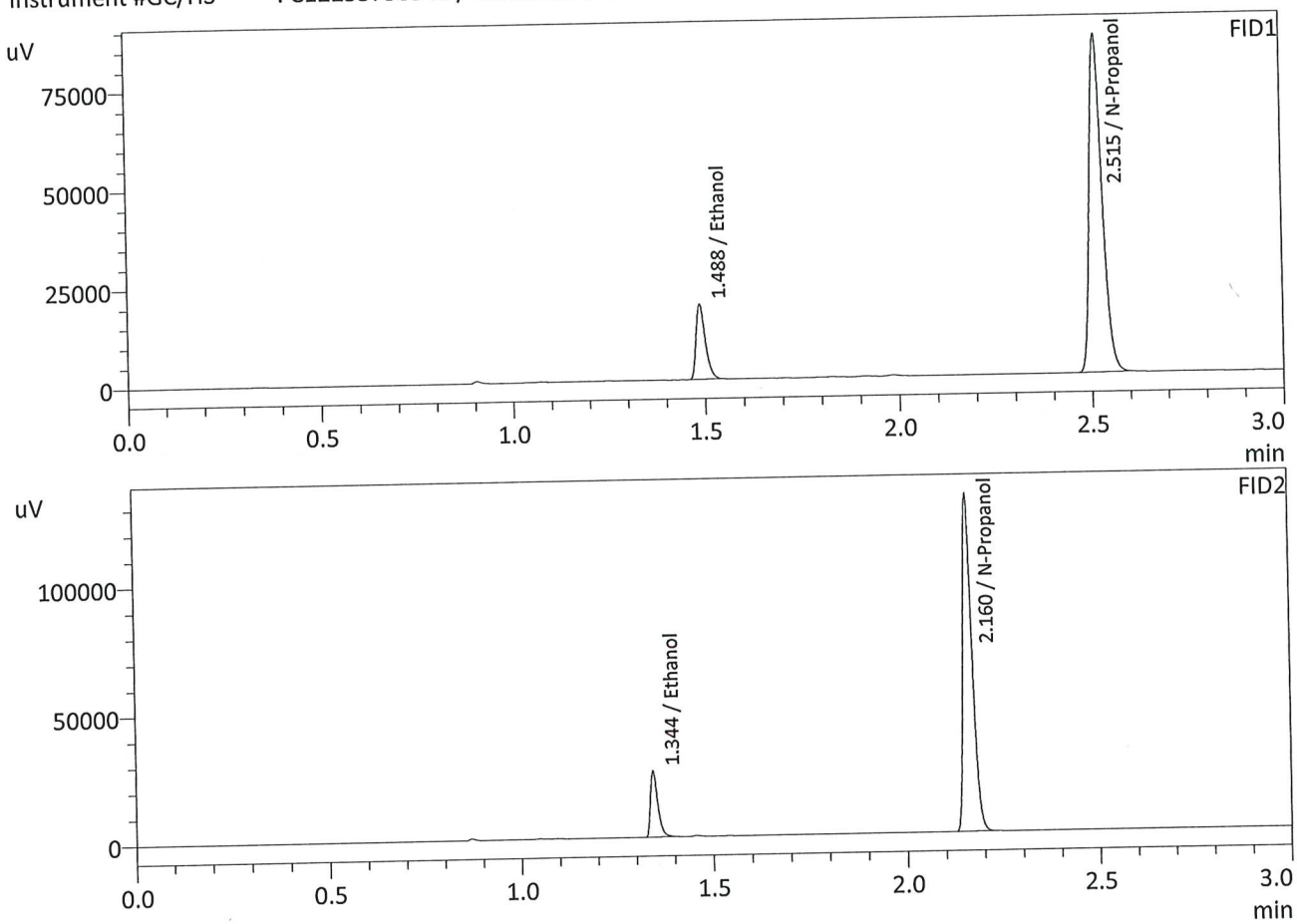
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results
0.080

Calibration and control data are stored centrally.

JC

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 9/20/2024 12:15:12 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

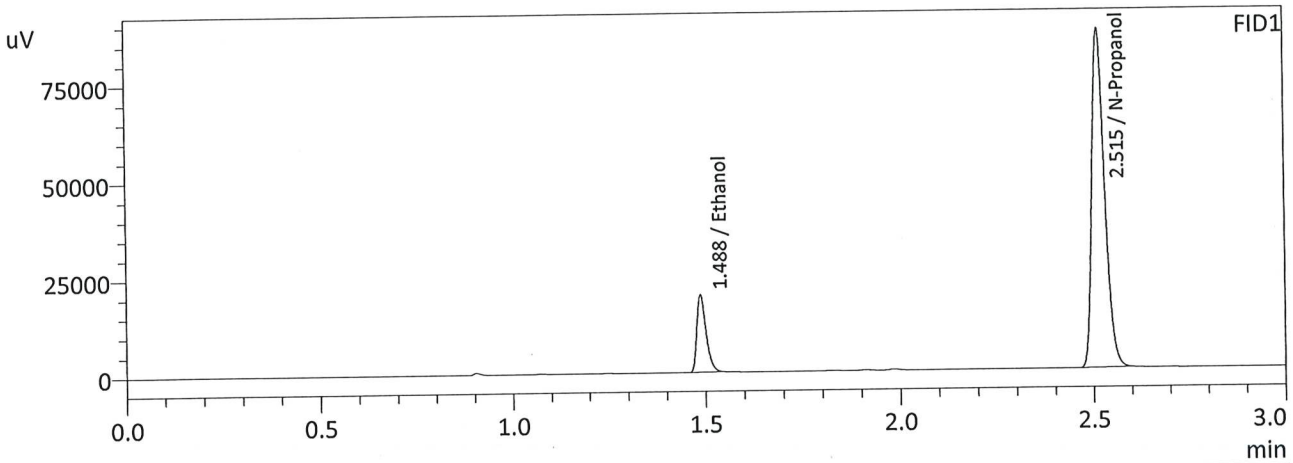
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0800	31543	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199378	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

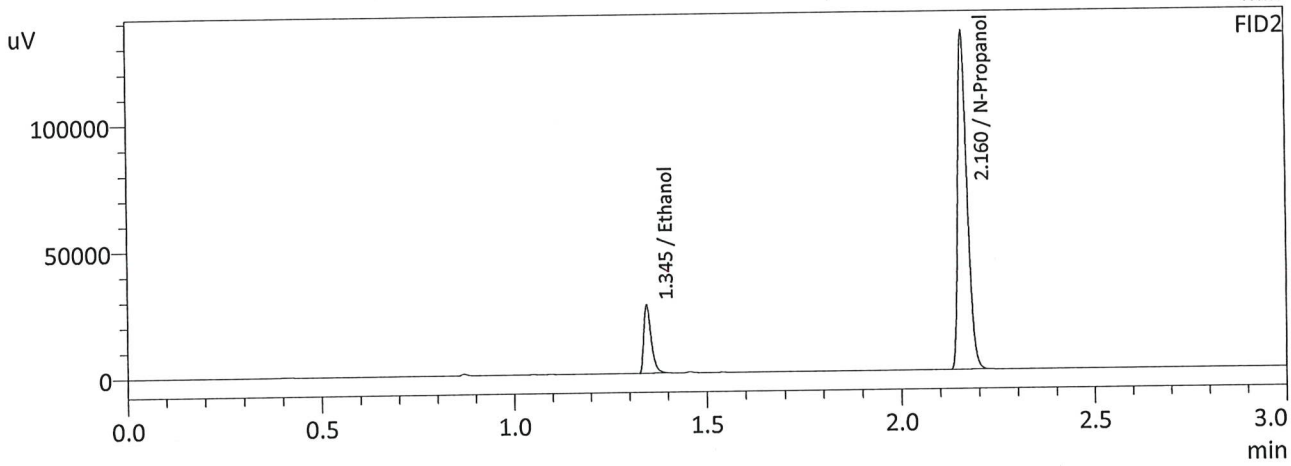
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0797	34323	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216642	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 9/20/2024 12:24:07 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	33058	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203309	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	36034	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221249	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 9/20/2024 12:31:48 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0802	0.0798	0.0004	0.0800	0.0029	0.0814
(g/100cc)	0.0831	0.0828	0.0003	0.0829		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240910JG.gcm

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

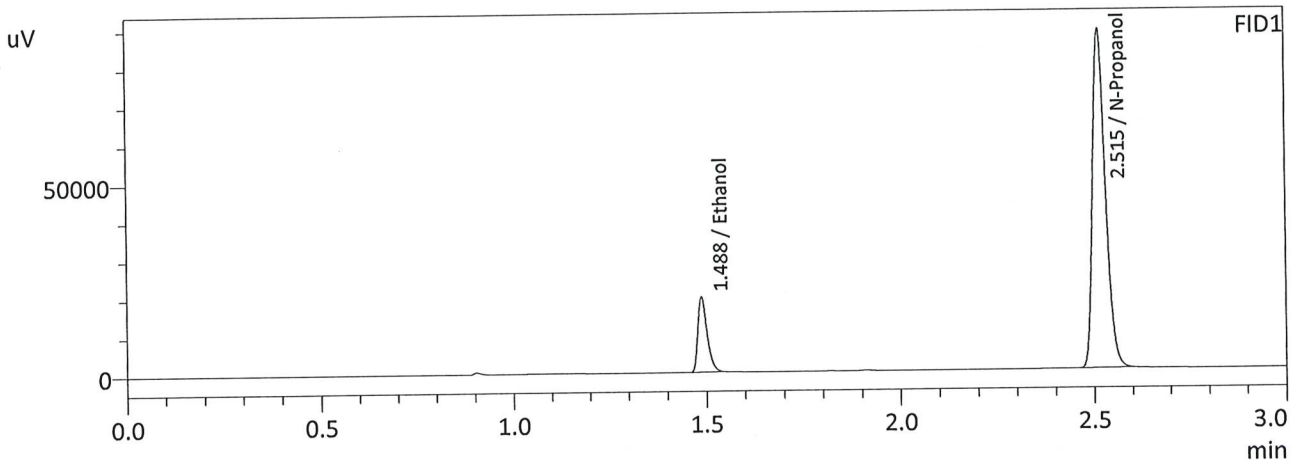
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

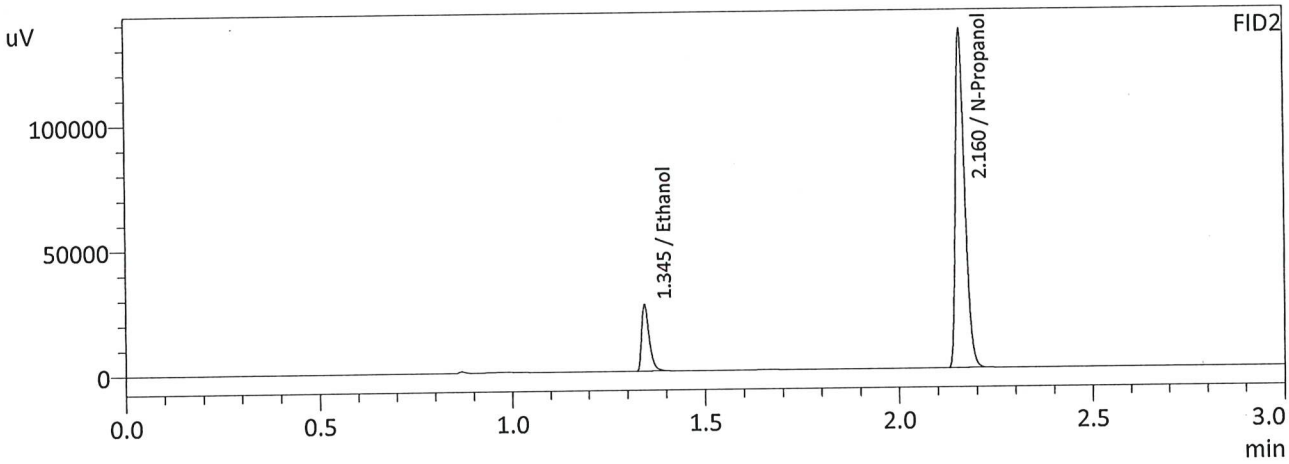
Reported Results
0.081

Calibration and control data are stored centrally.

JC

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 9/20/2024 12:31:48 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

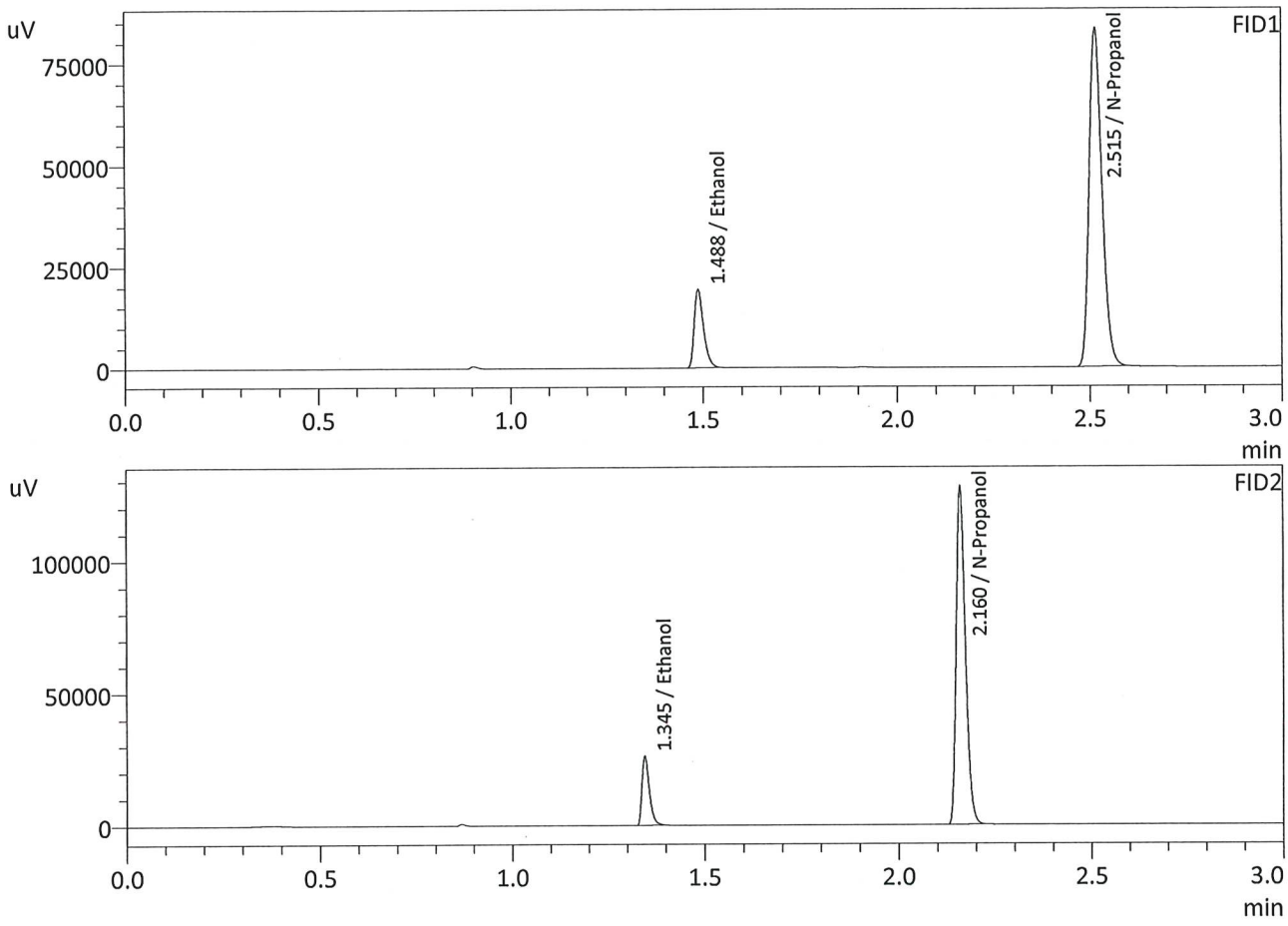
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0802	32663	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205945	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0798	35598	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	224127	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 9/20/2024 12:40:06 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	31963	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193966	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	34867	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211136	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 9/20/2024 3:10:44 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1970	0.1976	0.0006	0.1973	0.0007	0.1969
(g/100cc)	0.1962	0.1970	0.0008	0.1966		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240910JG.gcm

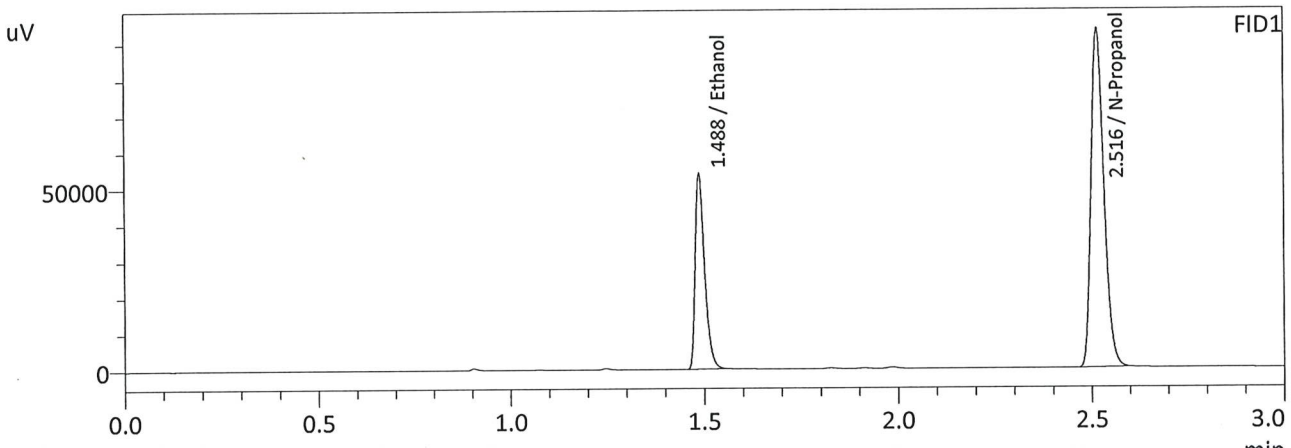
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

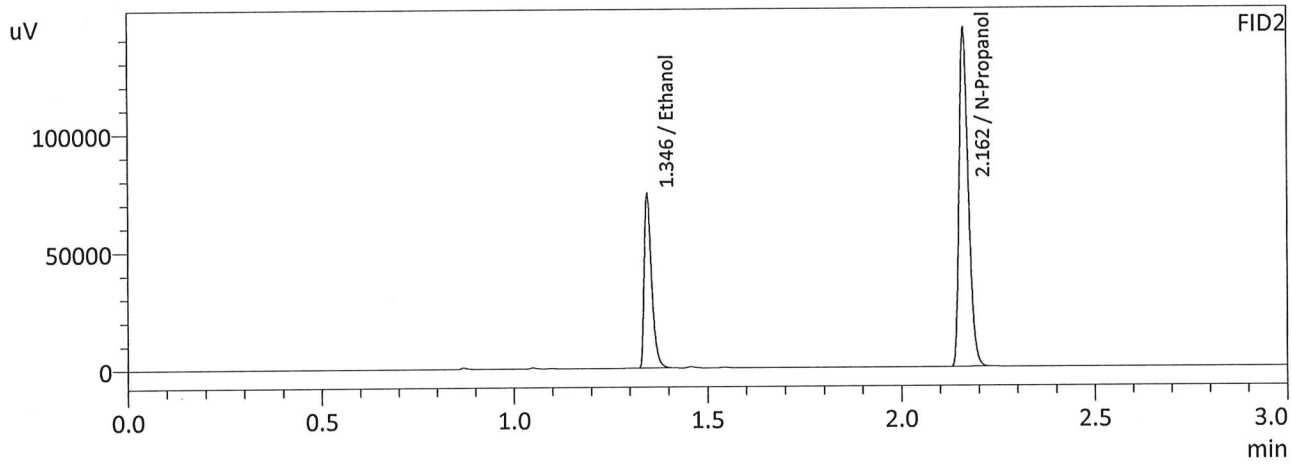
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.196	0.186	0.206	0.010

Reported Results
0.196

Calibration and control data are stored centrally.

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 9/20/2024 3:10:44 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

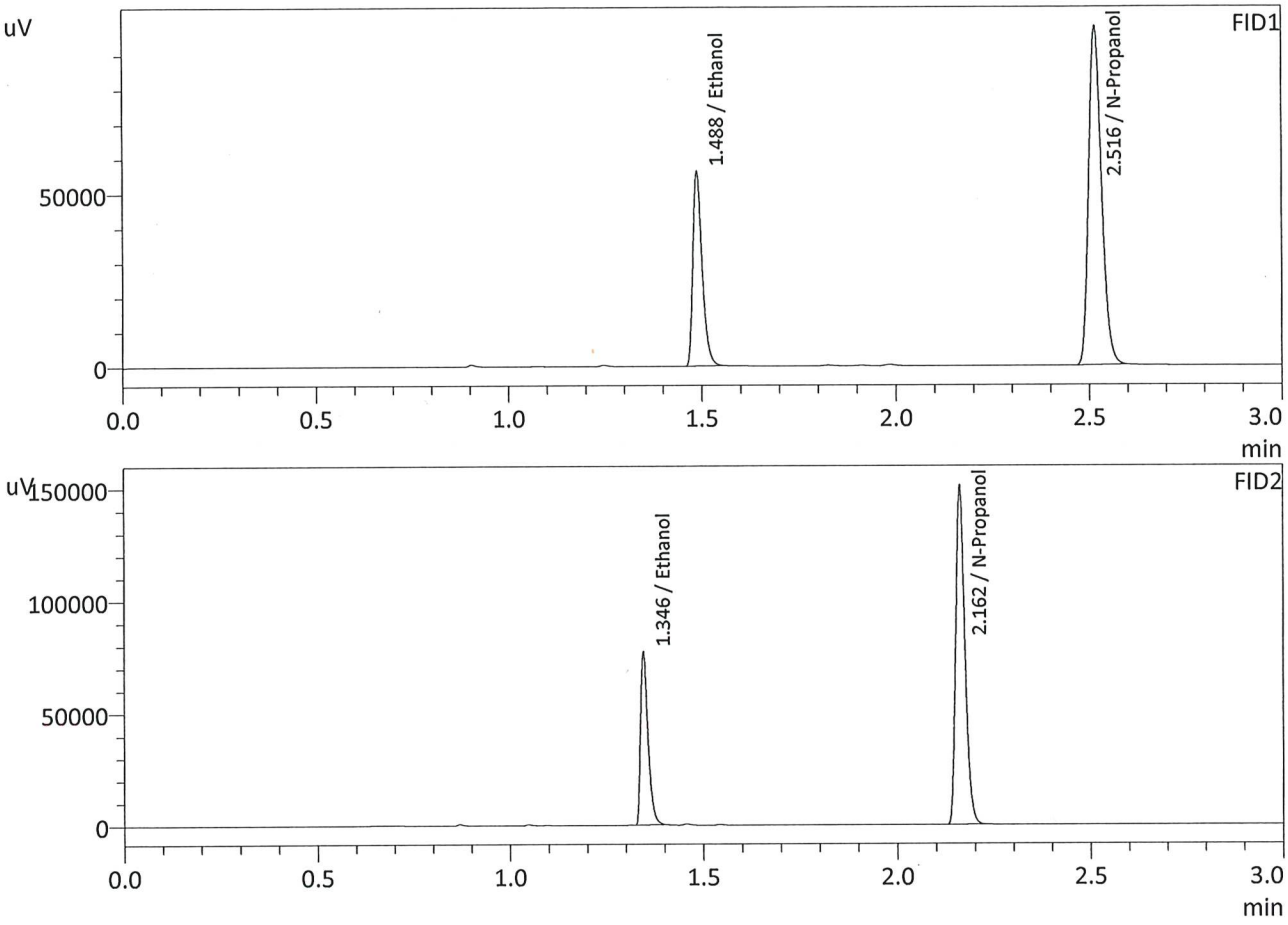
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1970	89228	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217673	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1976	98125	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	237746	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 9/20/2024 3:18:42 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1962	93054	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	228020	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1970	102499	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	249111	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 9/20/2024 6:09:48 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0832	0.0829	0.0003	0.0830	0.0013	0.0836
(g/100cc)	0.0845	0.0841	0.0004	0.0843		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240910JG.gcm

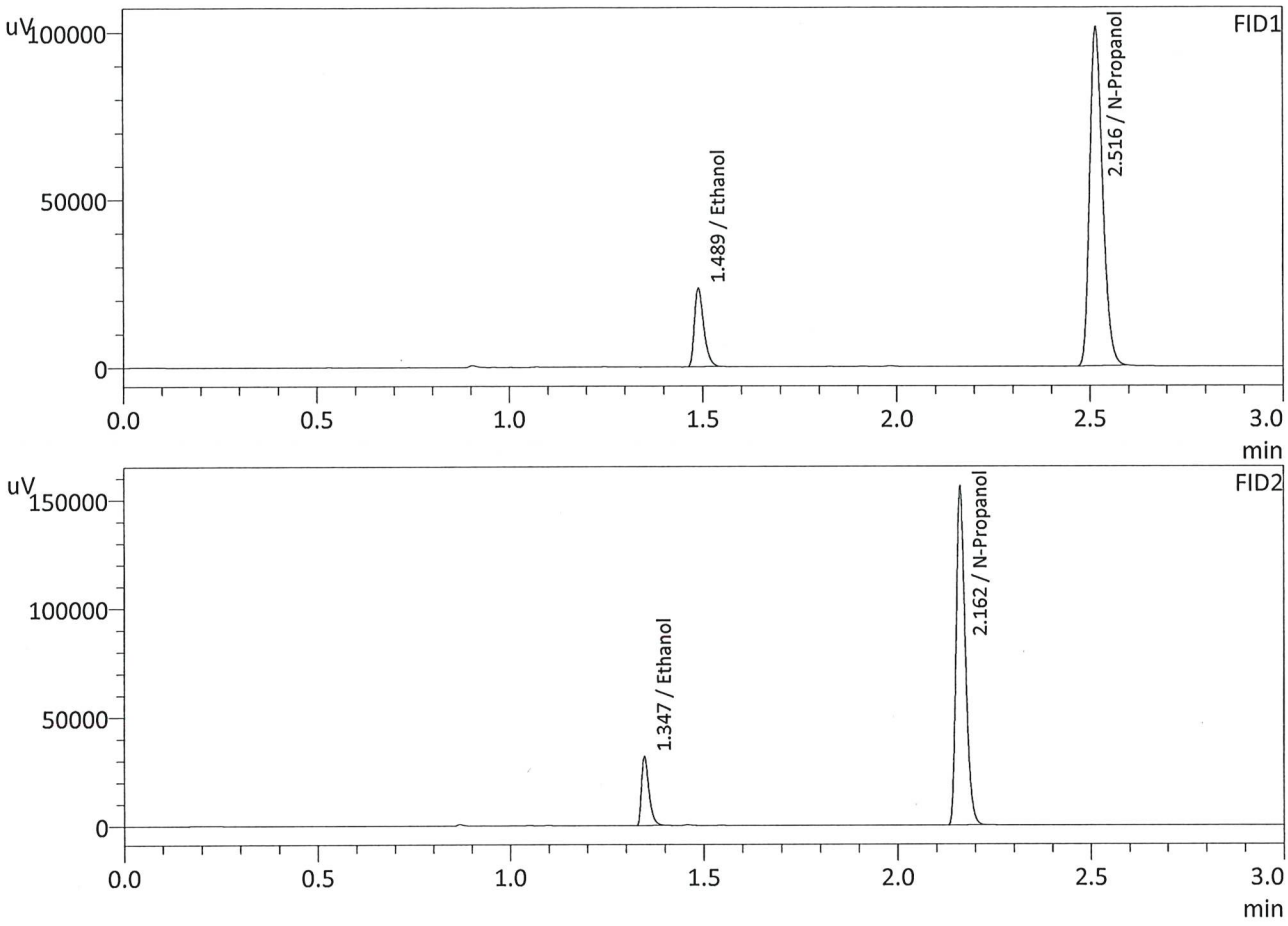
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

Reported Results
0.083

Calibration and control data are stored centrally.

JG

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 9/20/2024 6:09:48 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



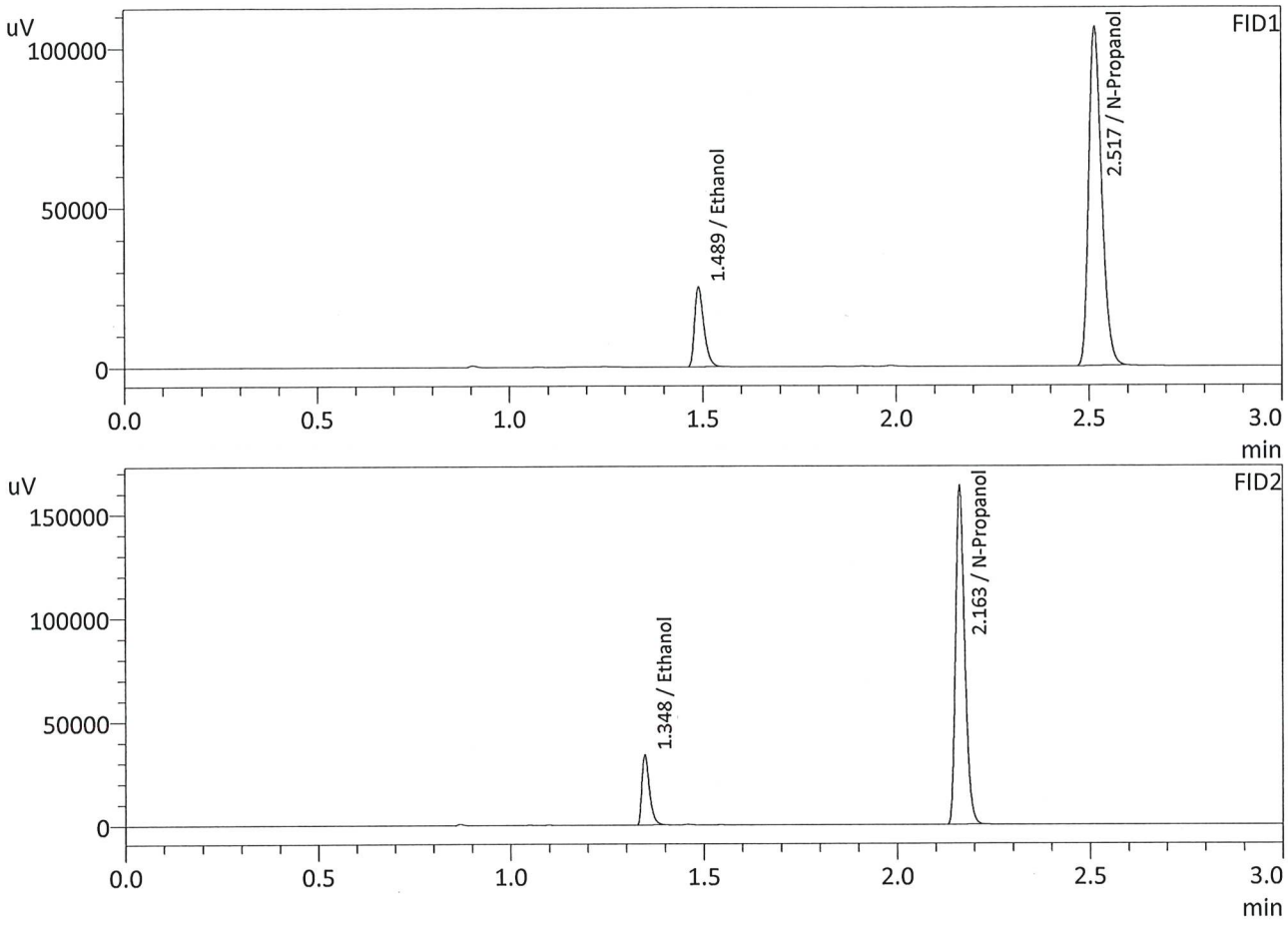
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0832	38927	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	235693	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0829	42527	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	257204	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 9/20/2024 6:19:12 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0845	41478	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	247017	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0841	45242	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	269430	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JU

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 9/20/2024 6:26:44 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1957	0.1952	0.0005	0.1954	0.0025	0.1966
(g/100cc)	0.1982	0.1976	0.0006	0.1979		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240910JG.gcm

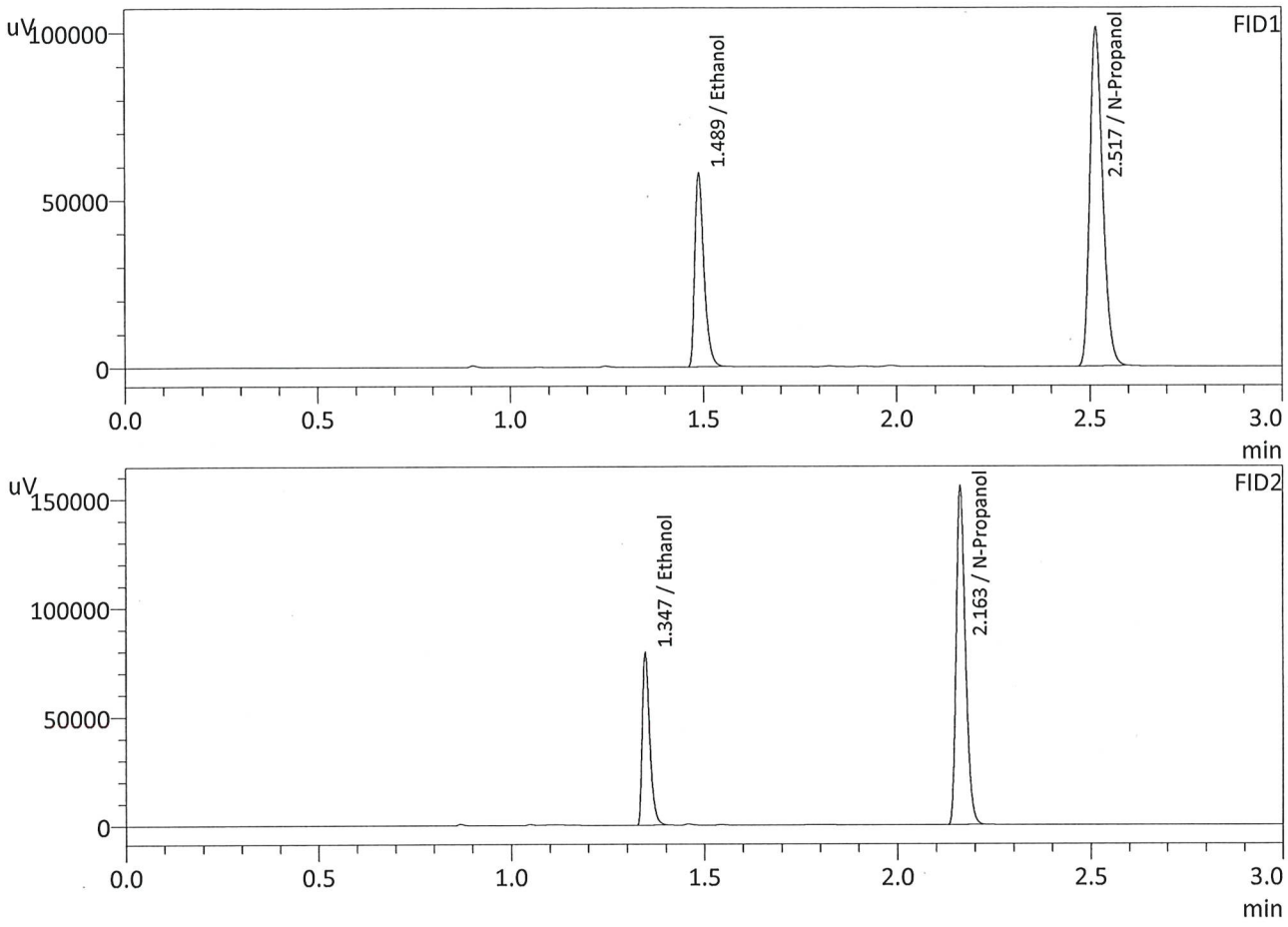
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.196	0.186	0.206	0.010

Reported Results
0.196

Calibration and control data are stored centrally.

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 9/20/2024 6:26:44 PM
Vial # : 49
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

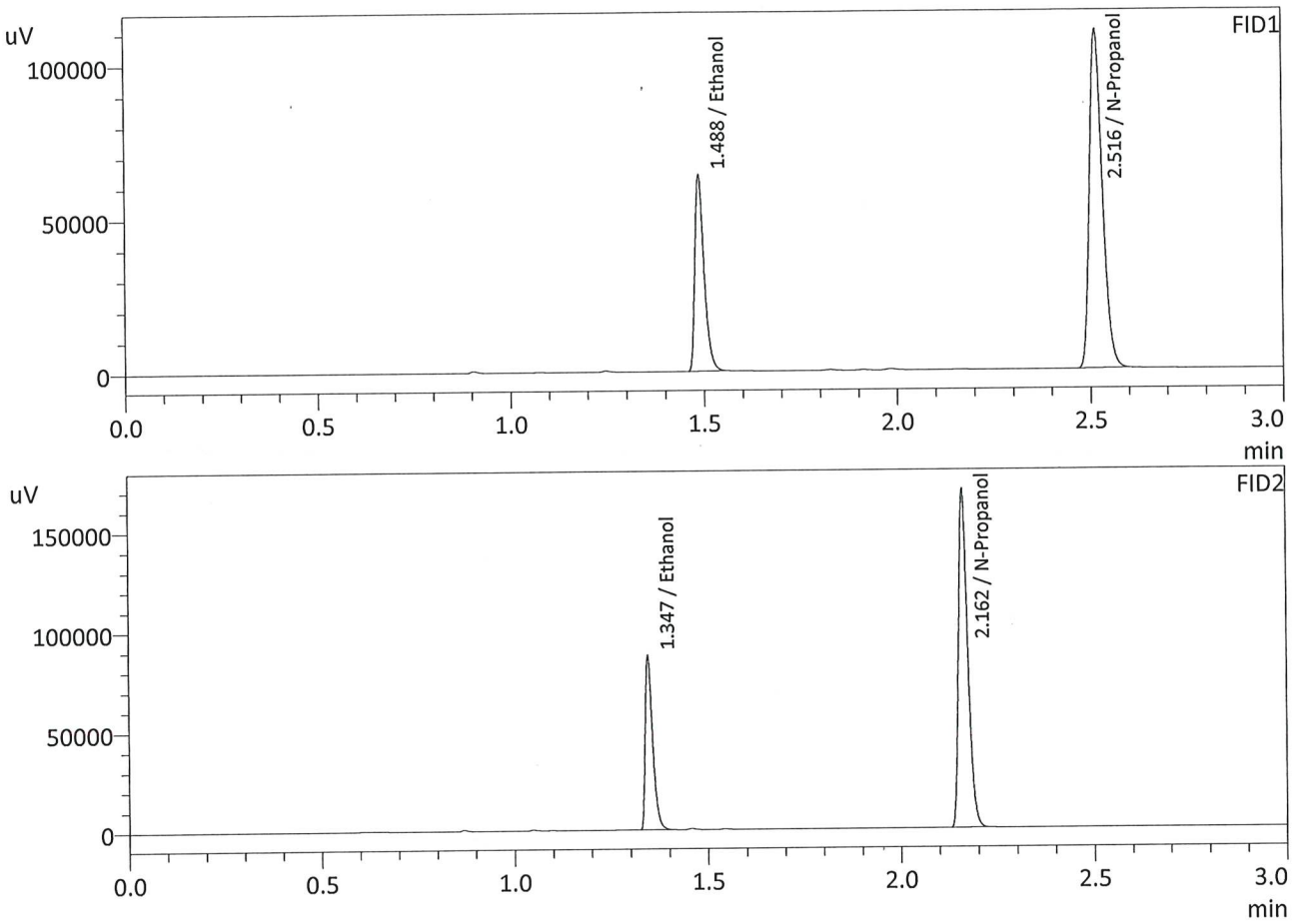
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1957	95952	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	235753	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1952	104719	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	257036	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 9/20/2024 6:34:46 PM
Vial # : 50
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

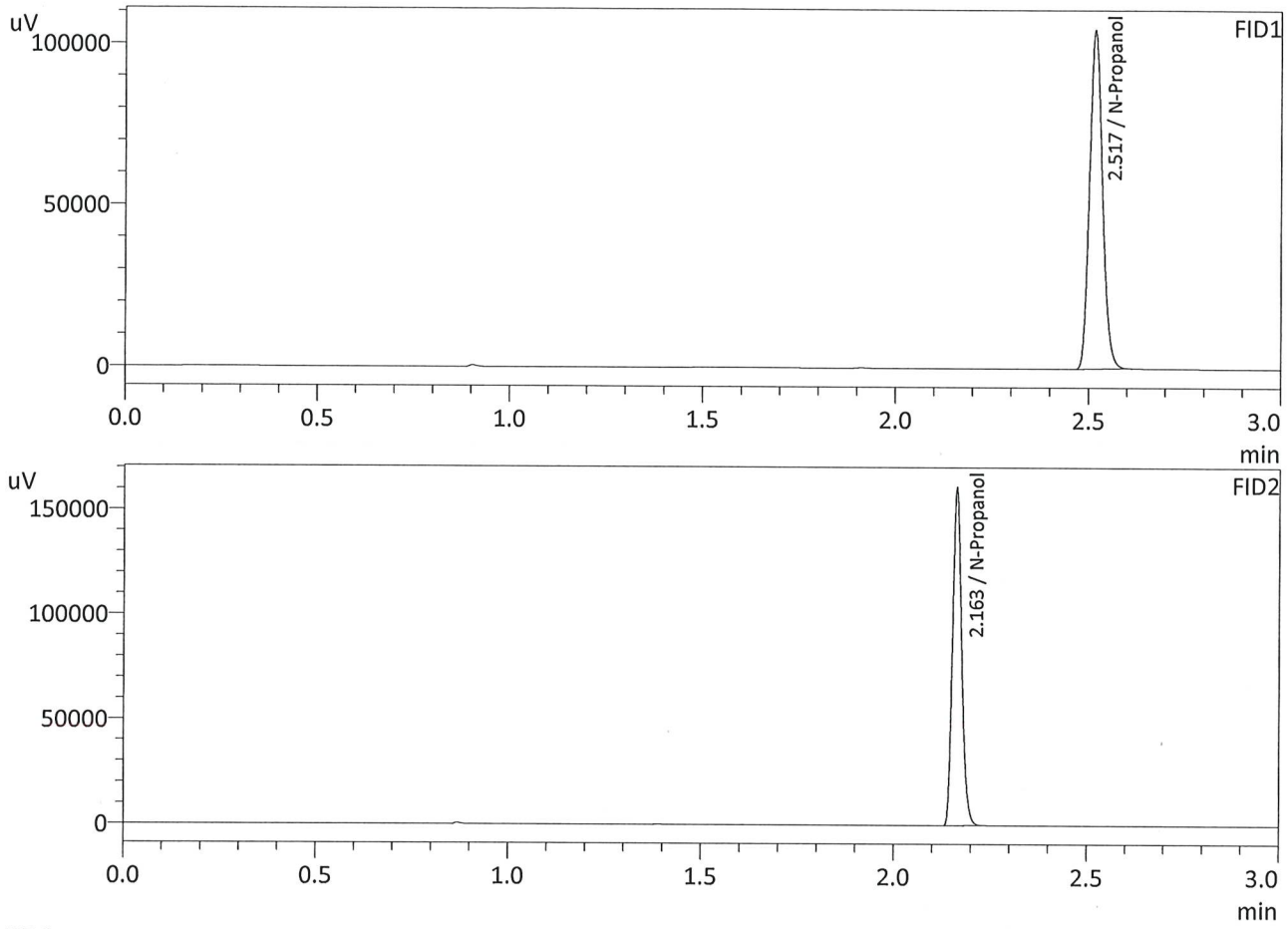
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1982	105624	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	256117	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1976	115418	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	279731	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : ISTD BLK 2
Laboratory : Meridian
Injection Date : 9/20/2024 6:44:12 PM
Vial # : 51
Method Filename : Default Project - ALCOHOL_240910JG.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	244136	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	266569	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 240910JG.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240910JG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240910JG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240910JG.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 240910JG.gcm
7	M2024-3731-1	0:Unknown	0	ALCOHOL 240910JG.gcm
8	M2024-3731-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
9	M2024-3733-1	0:Unknown	0	ALCOHOL 240910JG.gcm
10	M2024-3733-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
11	M2024-3742-1	0:Unknown	0	ALCOHOL 240910JG.gcm
12	M2024-3742-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
13	M2024-3748-1	0:Unknown	0	ALCOHOL 240910JG.gcm
14	M2024-3748-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
15	M2024-3751-1	0:Unknown	0	ALCOHOL 240910JG.gcm
16	M2024-3751-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
17	M2024-3753-1	0:Unknown	0	ALCOHOL 240910JG.gcm
18	M2024-3753-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
19	M2024-3756-1	0:Unknown	0	ALCOHOL 240910JG.gcm
20	M2024-3756-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
21	M2024-3782-1	0:Unknown	0	ALCOHOL 240910JG.gcm
22	M2024-3782-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
23	M2024-3783-1	0:Unknown	0	ALCOHOL 240910JG.gcm
24	M2024-3783-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240910JG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
27	M2024-3801-1	0:Unknown	0	ALCOHOL 240910JG.gcm
28	M2024-3801-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
29	M2024-3802-1	0:Unknown	0	ALCOHOL 240910JG.gcm
30	M2024-3802-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
31	M2024-3820-1	0:Unknown	0	ALCOHOL 240910JG.gcm
32	M2024-3820-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
33	M2024-3821-1	0:Unknown	0	ALCOHOL 240910JG.gcm
34	M2024-3821-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
35	M2024-3822-1	0:Unknown	0	ALCOHOL 240910JG.gcm
36	M2024-3822-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
37	M2024-3843-1	0:Unknown	0	ALCOHOL 240910JG.gcm
38	M2024-3843-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
39	M2024-3888-1	0:Unknown	0	ALCOHOL 240910JG.gcm
40	M2024-3888-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
41	M2024-3889-1	0:Unknown	0	ALCOHOL 240910JG.gcm
42	M2024-3889-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
43	M2024-3907-1	0:Unknown	0	ALCOHOL 240910JG.gcm
44	M2024-3907-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
45	M2024-3908-1	0:Unknown	0	ALCOHOL 240910JG.gcm
46	M2024-3908-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 240910JG.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 240910JG.gcm
49	QC-2-2	0:Unknown	0	ALCOHOL 240910JG.gcm
50	QC-2-2-B	0:Unknown	0	ALCOHOL 240910JG.gcm
51	ISTD BLK 2	0:Unknown	0	ALCOHOL 240910JG.gcm

JG