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): 9/10/24**

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

Worklist #: 6920

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0814 g/100cc
					0.0842 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2083 g/100cc
					0.2073 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

Internal Standard Monitoring Worksheet

Worklist #:	6920	Run Date(s):	9/10/24

Internal Standard Solution:	Prep Date:	5/6/2024	Exp Date:	11/6/2024

Sample Name	Column 1 Value	Column 2 Value
0.080	200956	218774
0.080	197566	215225
QC1	207009	225381
QC1	200277	218020
QC1	248094	270901
QC1	248323	270946
QC1		
QC1		
QC2	226080	246934
QC2	230624	251834
QC2	258231	281934
QC2	256260	279845
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	227342.0	181873.6	272810.4
Column 2	247979.4	198383.5	297575.3

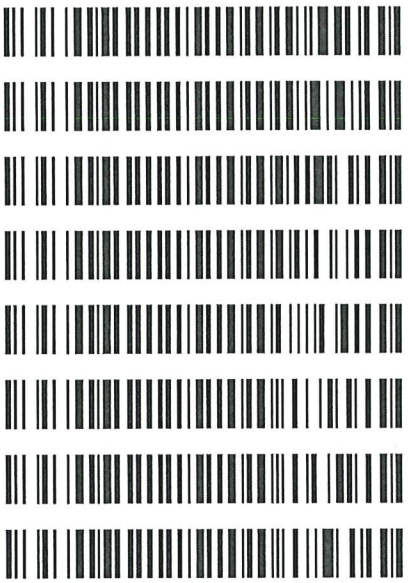
JG

Worklist: 6920

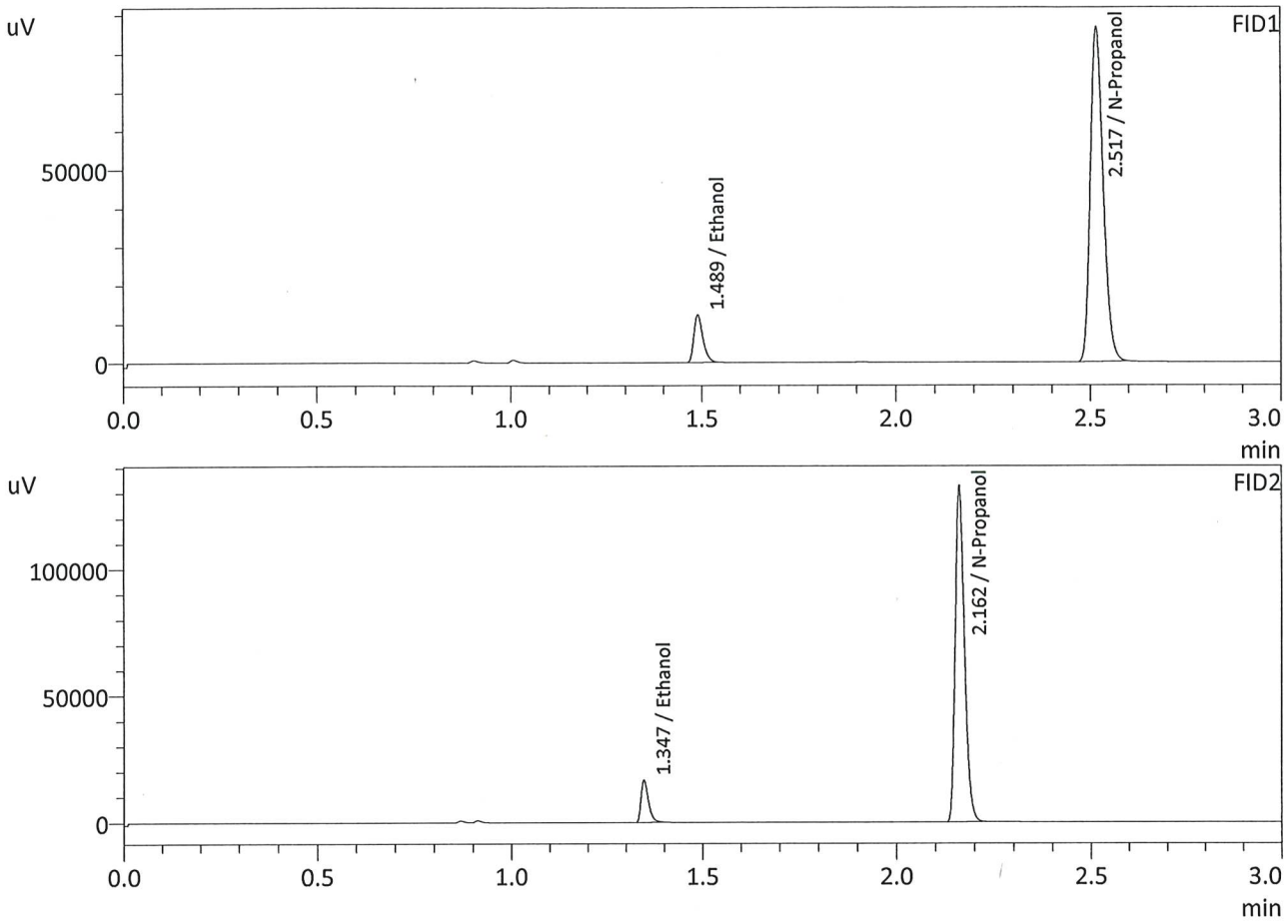
LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-3550	1	BCK	Alcohol Analysis
M2024-3567	1	BCK	Alcohol Analysis
M2024-3568	1	BCK	Alcohol Analysis
M2024-3571	1	BCK	Alcohol Analysis
M2024-3580	1	BCK	Alcohol Analysis
M2024-3581	1	BCK	Alcohol Analysis
M2024-3582	1	BCK	Alcohol Analysis
M2024-3583	1	BCK	Alcohol Analysis
M2024-3595	1	BCK	Alcohol Analysis
M2024-3617	1	BCK	Alcohol Analysis
M2024-3618	1	BCK	Alcohol Analysis
M2024-3632	1	BCK	Alcohol Analysis
M2024-3633	1	BCK	Alcohol Analysis
M2024-3634	1	BCK	Alcohol Analysis
M2024-3635	1	BCK	Alcohol Analysis
M2024-3638	1	BCK	BATS Proficiency Test
M2024-3638	2	BCK	BATS Proficiency Test
M2024-3638	3	BCK	BATS Proficiency Test
M2024-3638	4	BCK	BATS Proficiency Test
M2024-3645	1	BCK	Alcohol Analysis
M2024-3646	1	BCK	Alcohol Analysis

Worklist: 6920

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-3647	1	BCK	Alcohol Analysis
M2024-3648	1	BCK	Alcohol Analysis
M2024-3659	1	BCK	Alcohol Analysis
M2024-3678	1	BCK	Alcohol Analysis
M2024-3687	1	BCK	Alcohol Analysis
M2024-3703	1	BCK	Alcohol Analysis
M2024-3704	1	BCK	Alcohol Analysis
M2024-3707	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



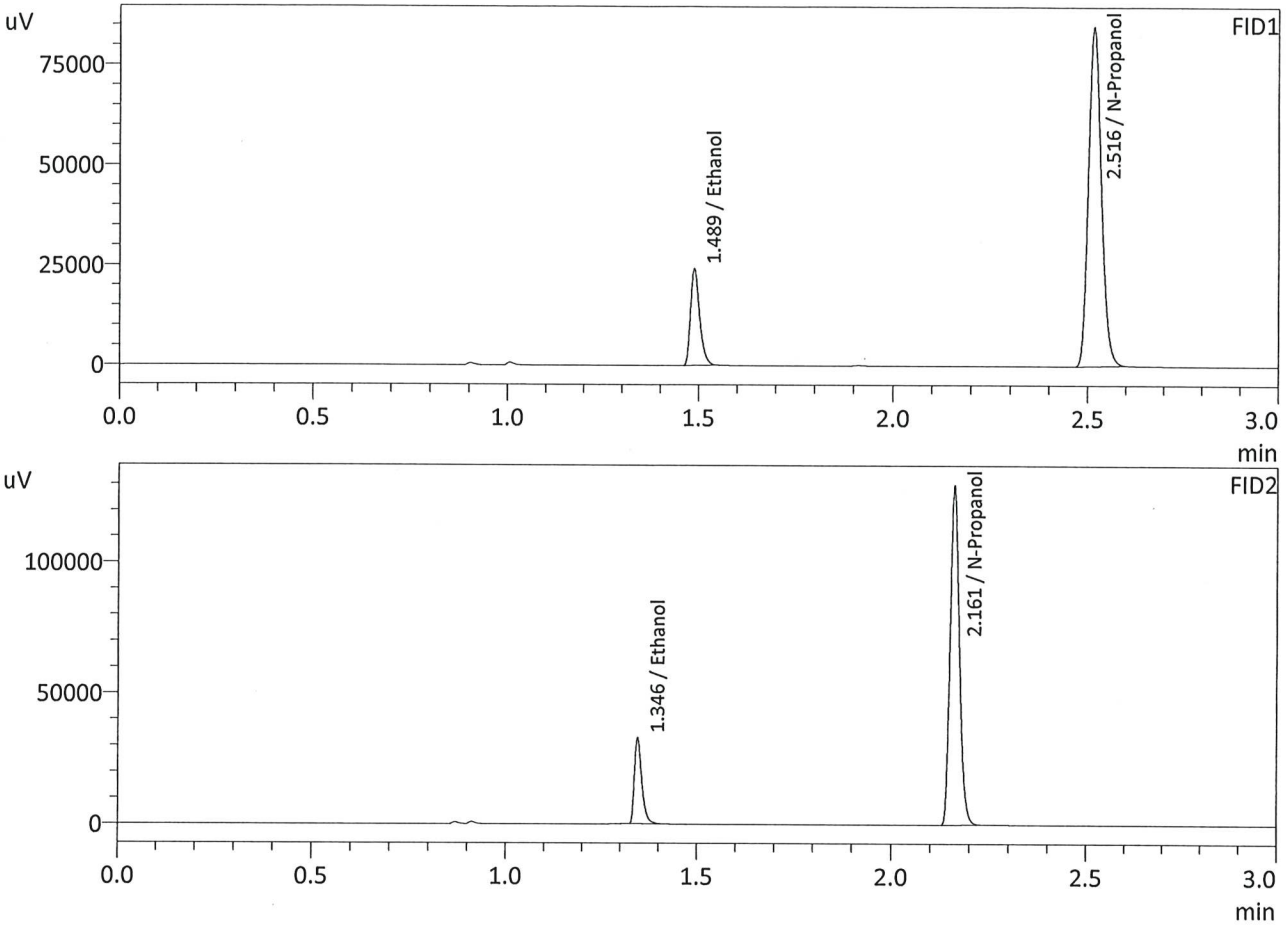
FID1

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



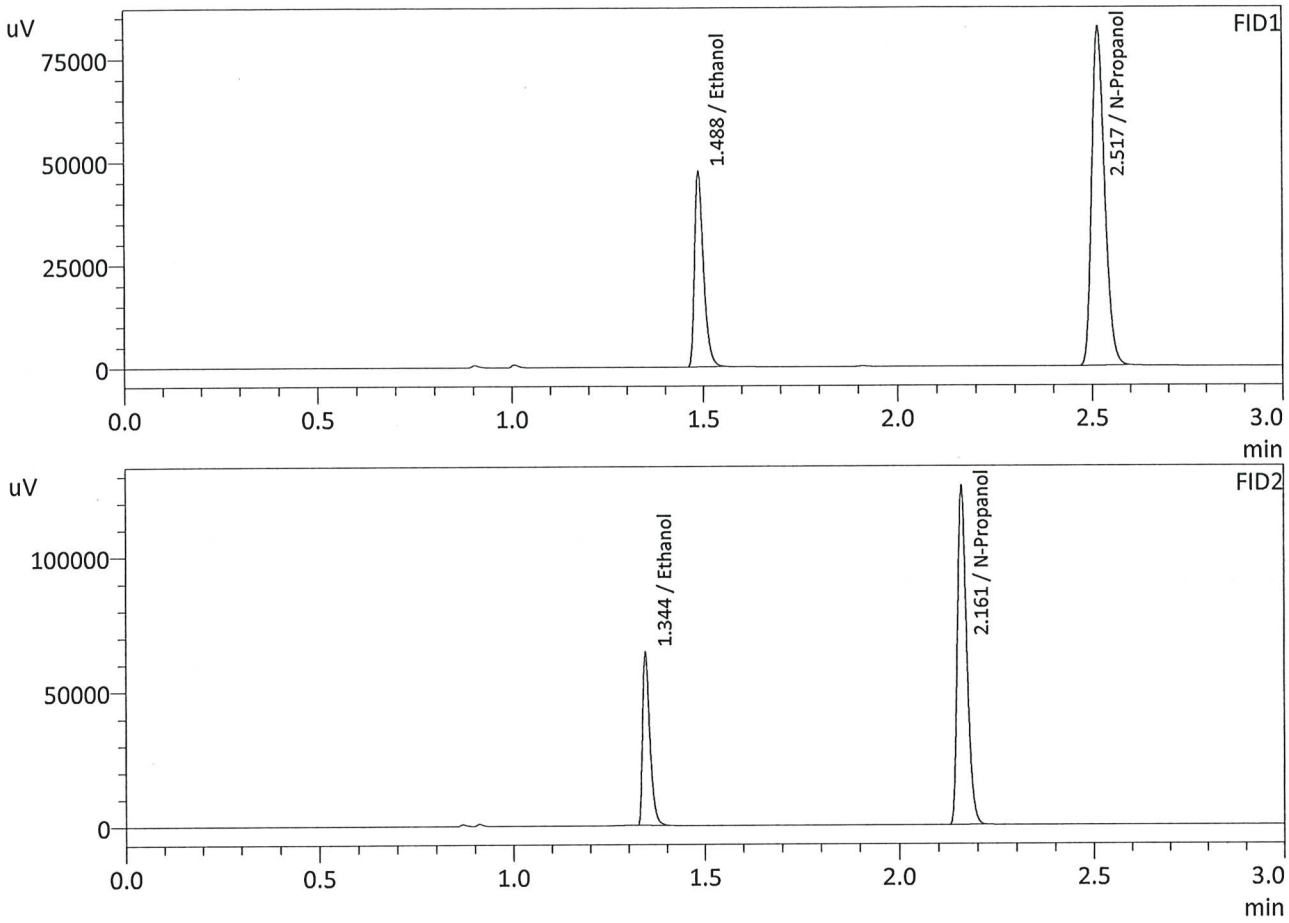
FID1

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

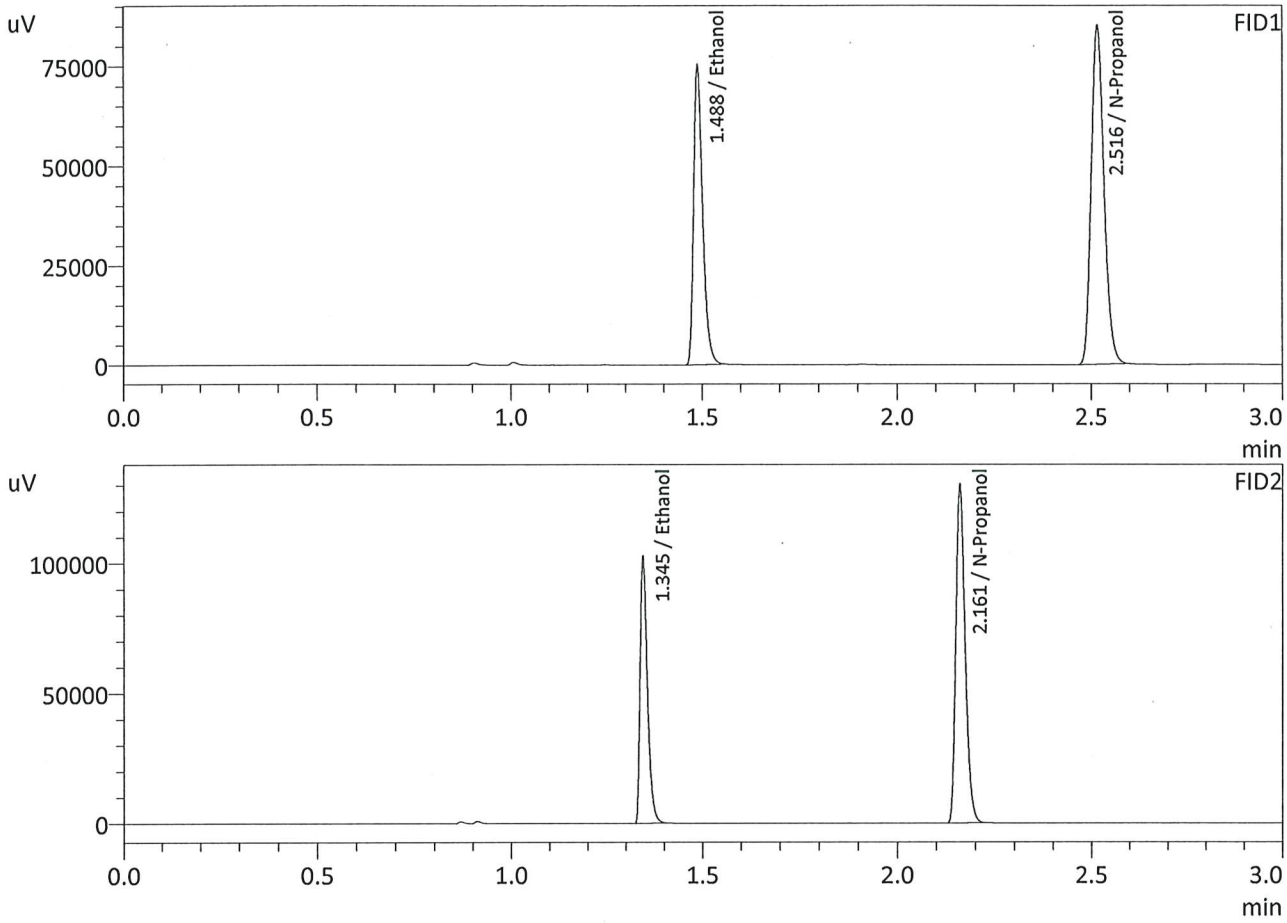
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1953	77822	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191607	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

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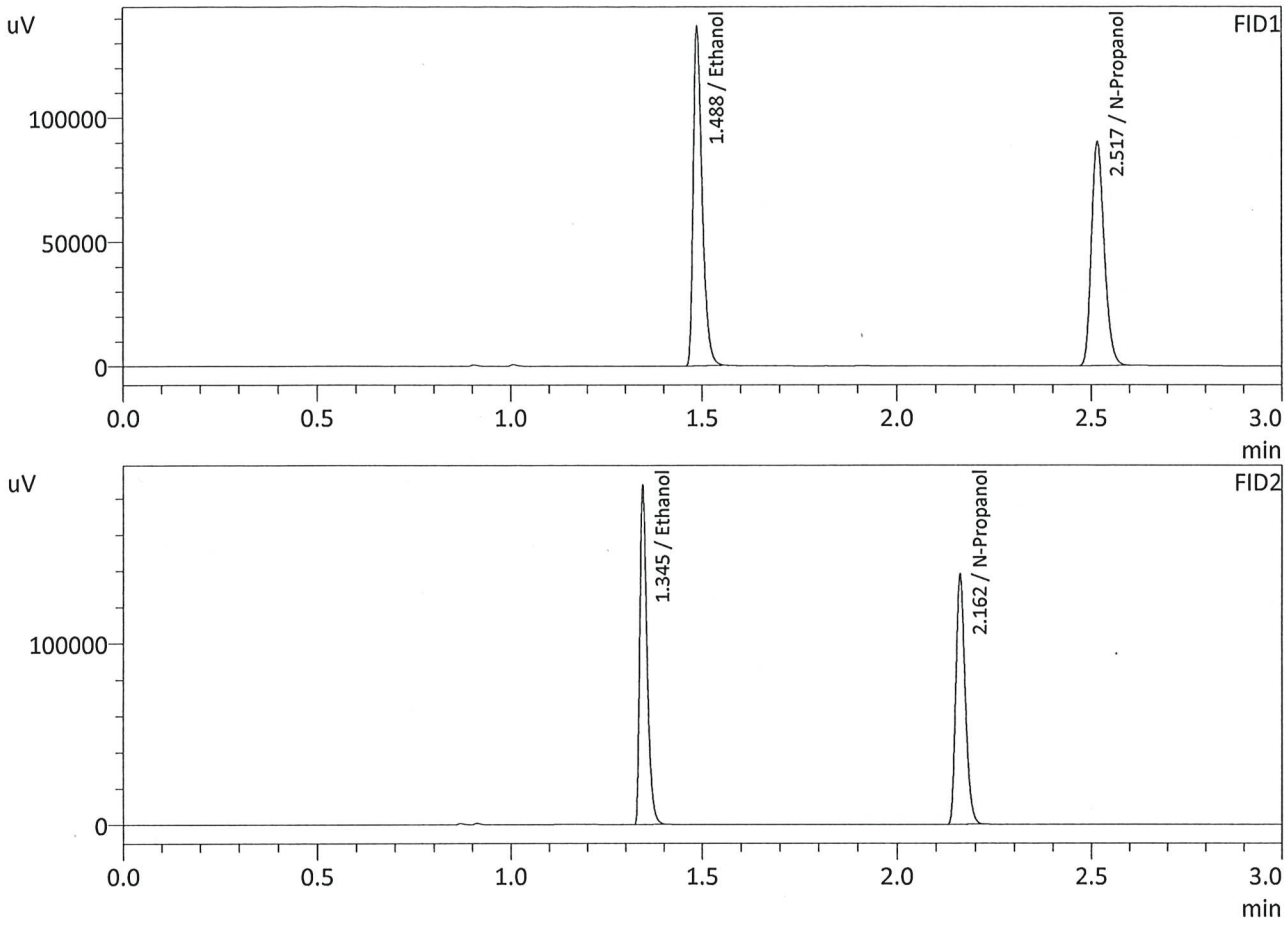
Sample Name : 0.500
Laboratory : Meridian
Injection Date : 9/10/2024 1:45:10 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



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

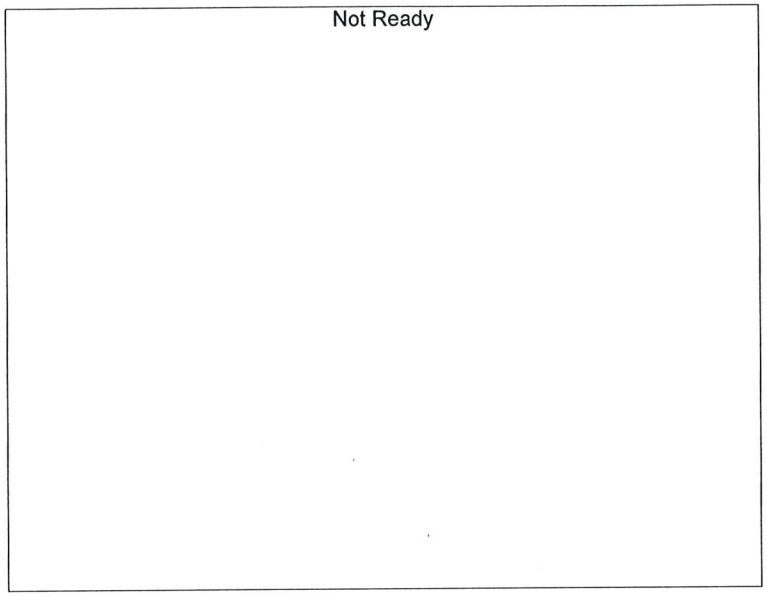
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5032	244703	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228376	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Calibration Table

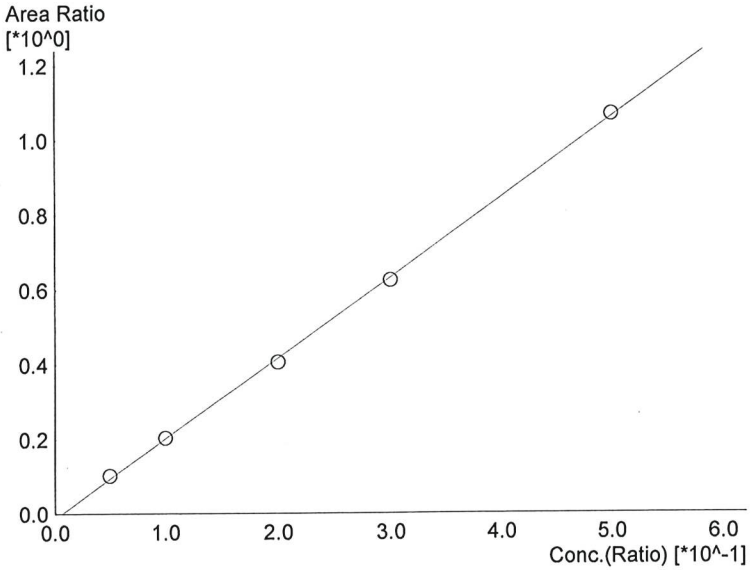
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_240910JG.gcm
Batch File :Default Project - CALCURVE_240910JG.gcb
Date Acquired :9/10/2024 1:45:10 PM
Date Created :9/10/2024 1:40:46 PM
Date Modified :9/10/2024 1:48:12 PM



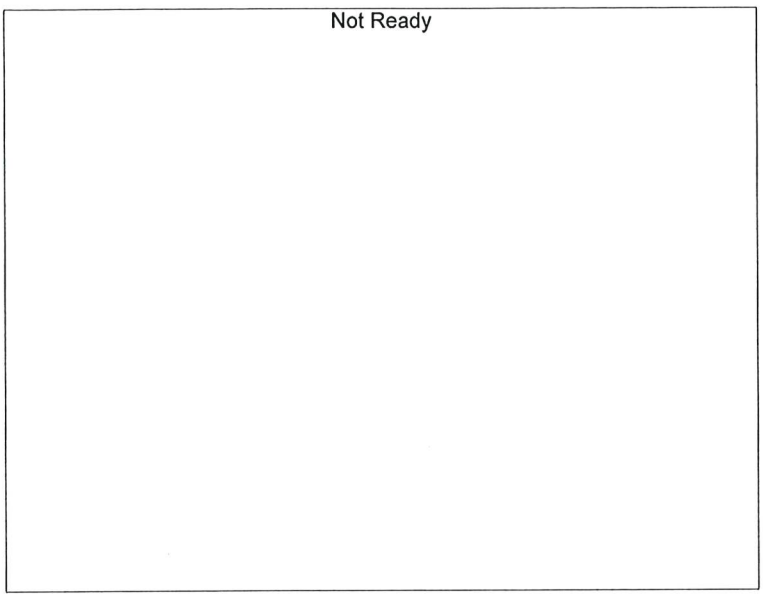
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



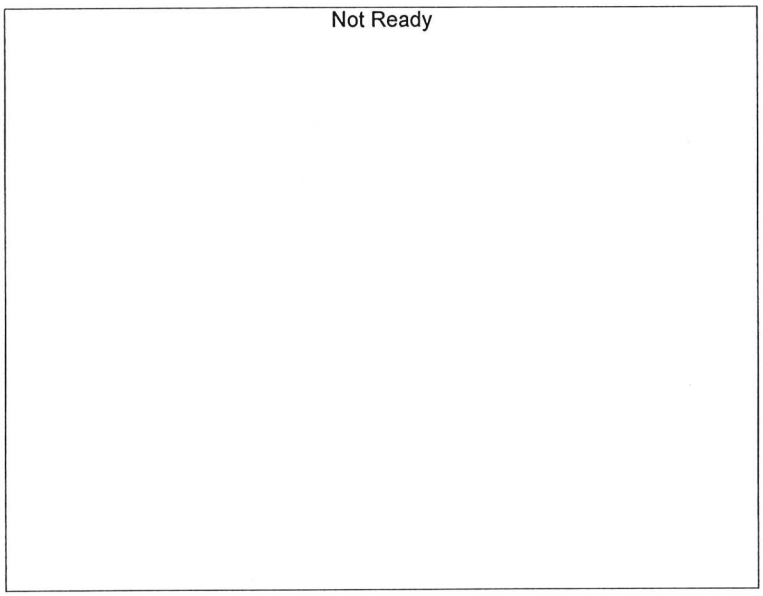
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.15135*x-0.0140297
R^2 value= 0.9995659
FitType: Linear
ZeroThrough: Not Through

#	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



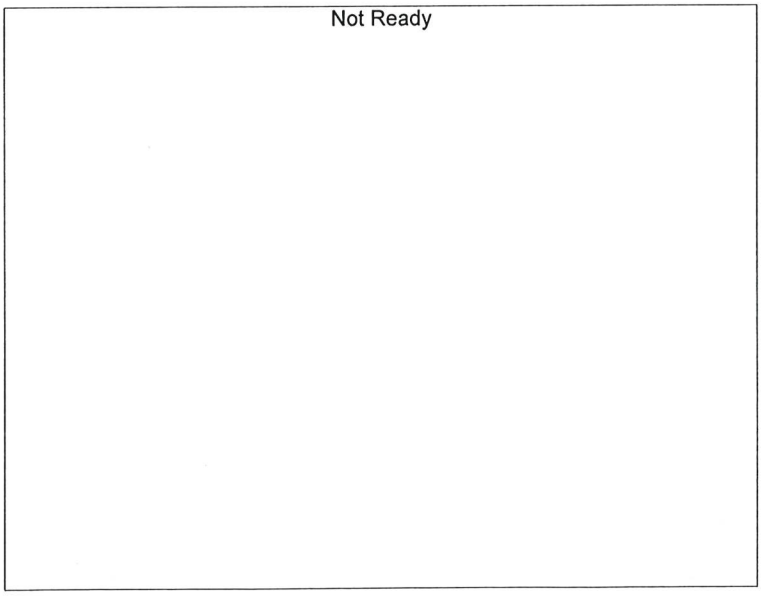
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



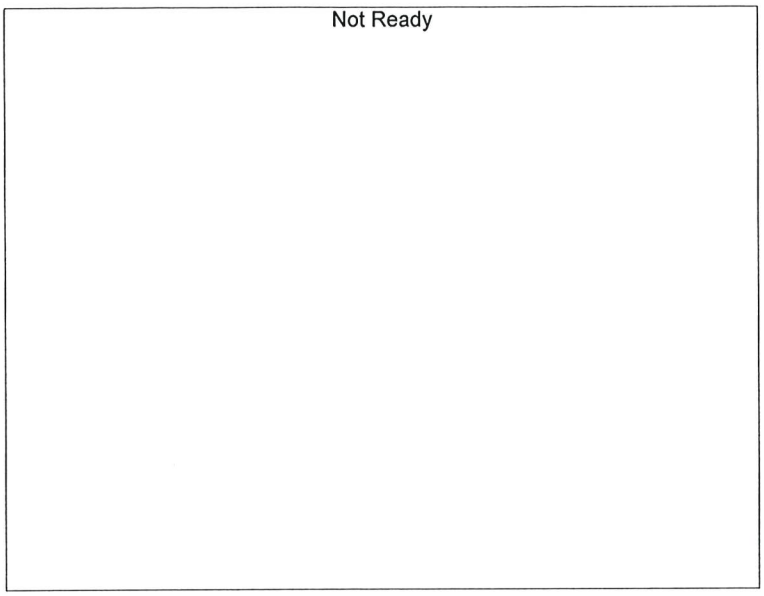
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



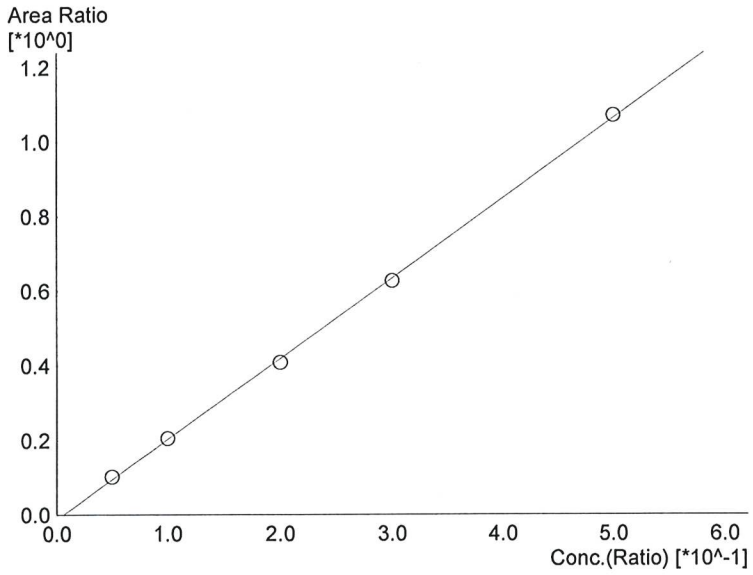
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



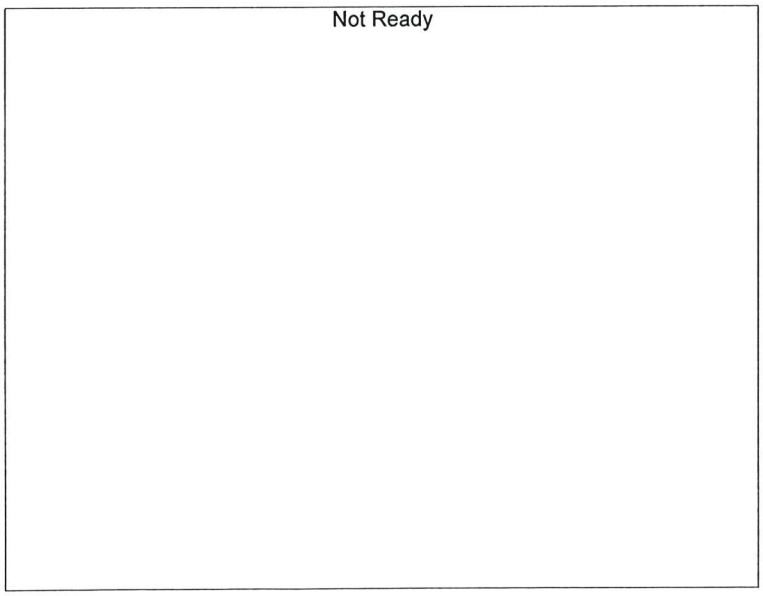
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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.

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

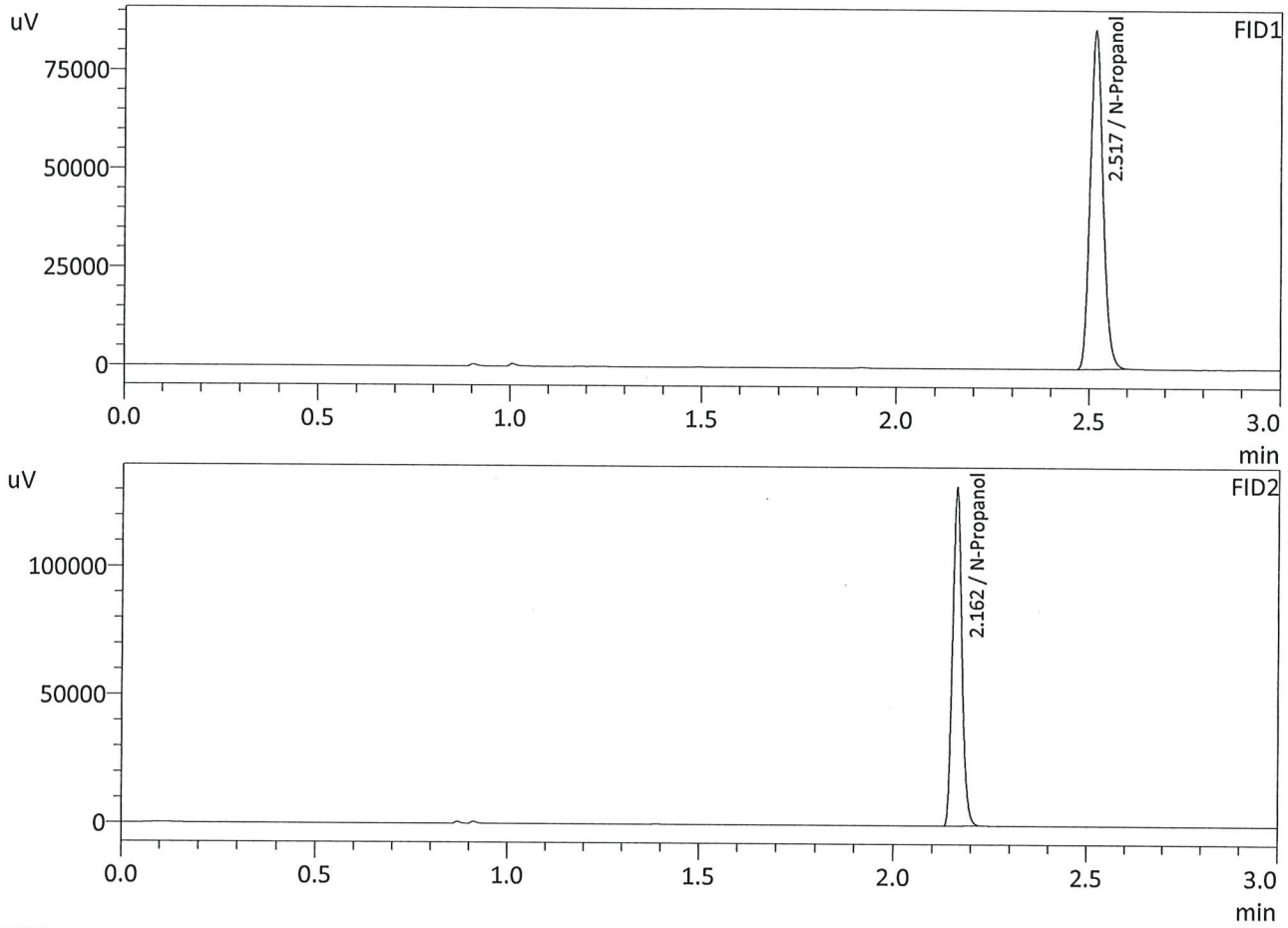
#	Conc.	Area	Std. Conc.

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
Laboratory : Meridian
Injection Date : 9/10/2024 1:53:44 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

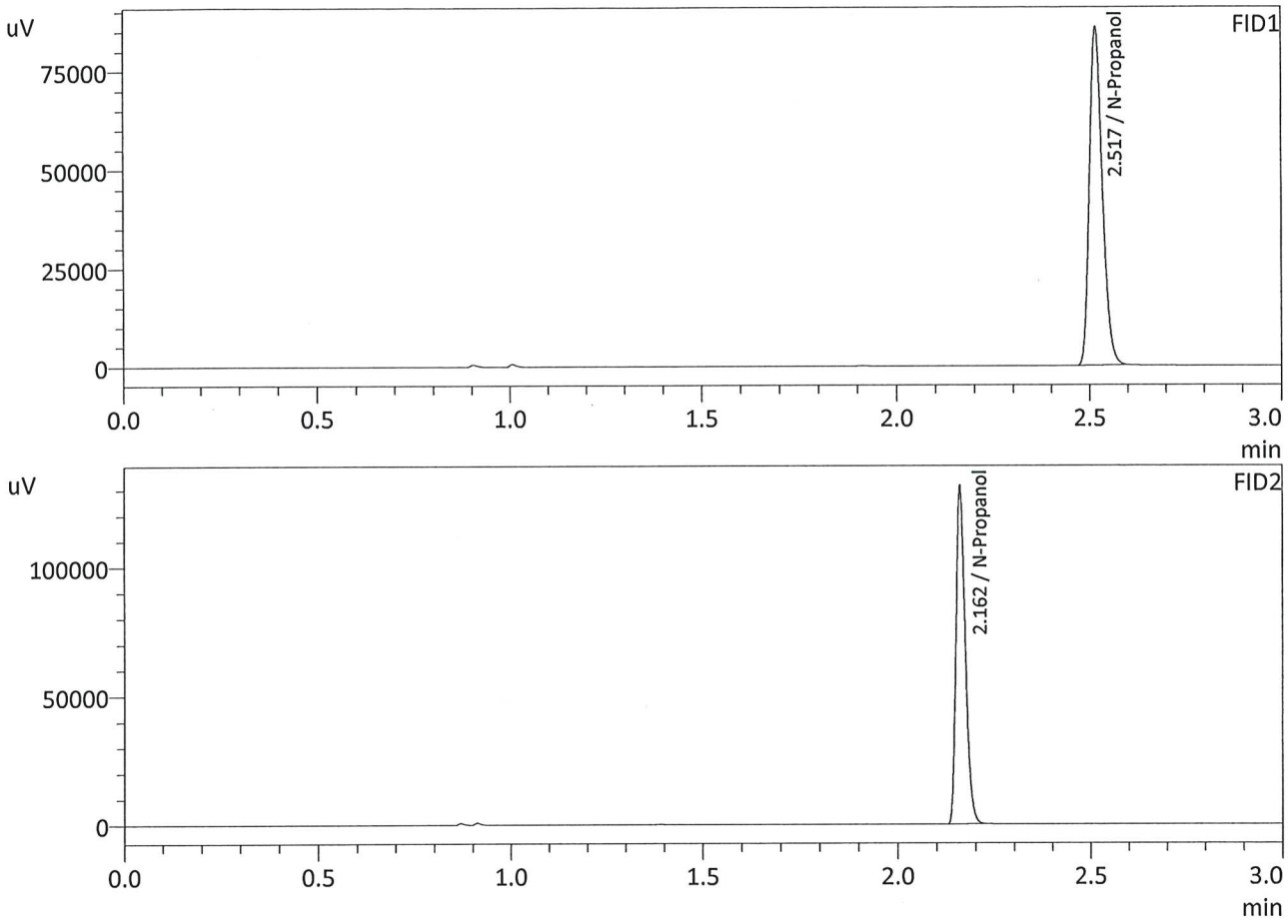
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200151	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218172	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : ISTD BLK 1
Laboratory : Meridian
Injection Date : 9/10/2024 3:15:20 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

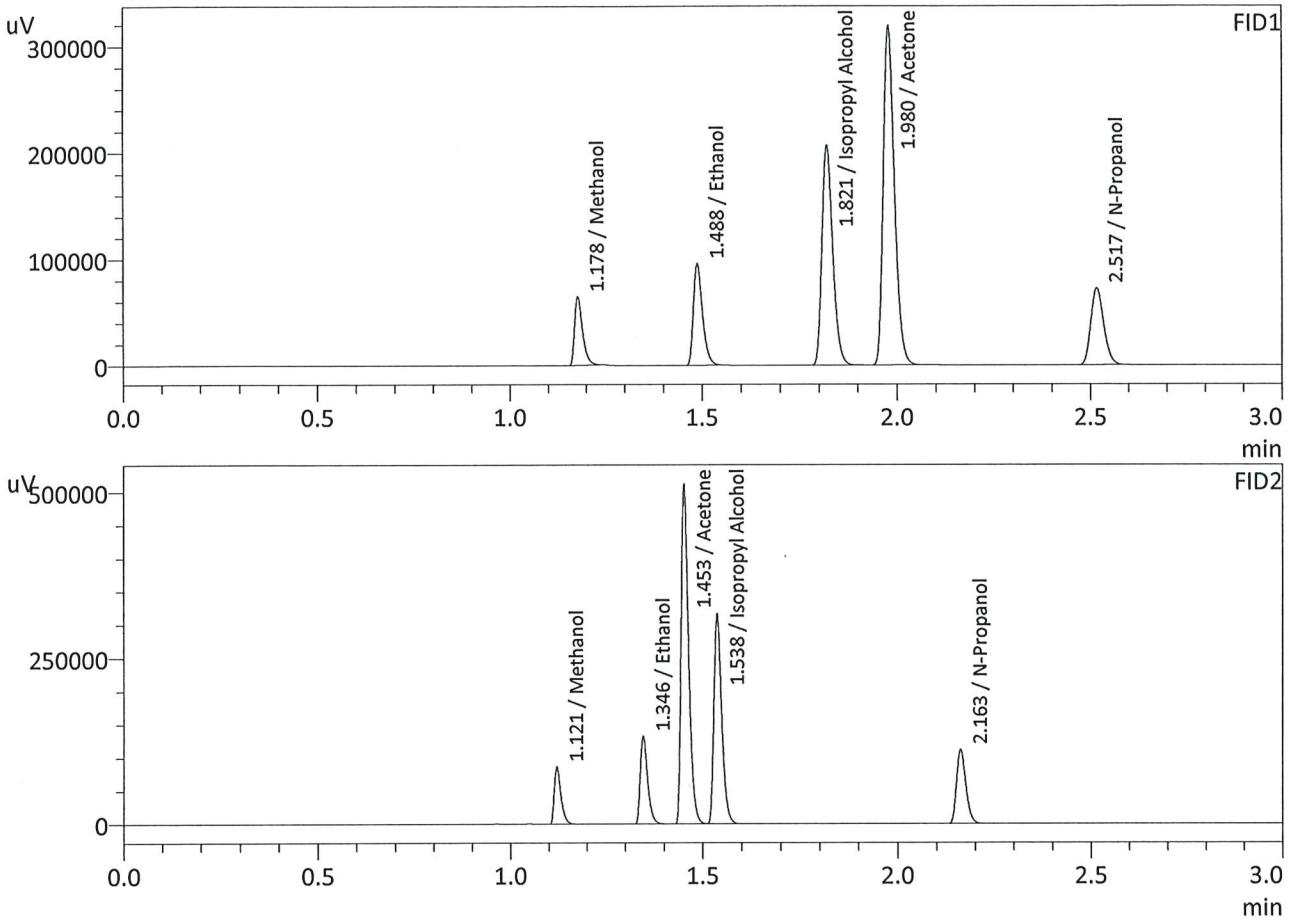
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200014	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217338	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 9/10/2024 3:22:40 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	94771	g/100cc
Ethanol	0.4403	157102	g/100cc
Isopropyl Alcohol	0.0000	400484	g/100cc
Acetone	0.0000	623430	g/100cc
N-Propanol	0.0000	168337	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	106014	g/100cc
Ethanol	0.4415	173022	g/100cc
Acetone	0.0000	683280	g/100cc
Isopropyl Alcohol	0.0000	436367	g/100cc
N-Propanol	0.0000	184345	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 9/10/2024 3:30:16 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0828	0.0821	0.0007	0.0824	0.0019	0.0814
(g/100cc)	0.0808	0.0802	0.0006	0.0805		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240910JG.gcm

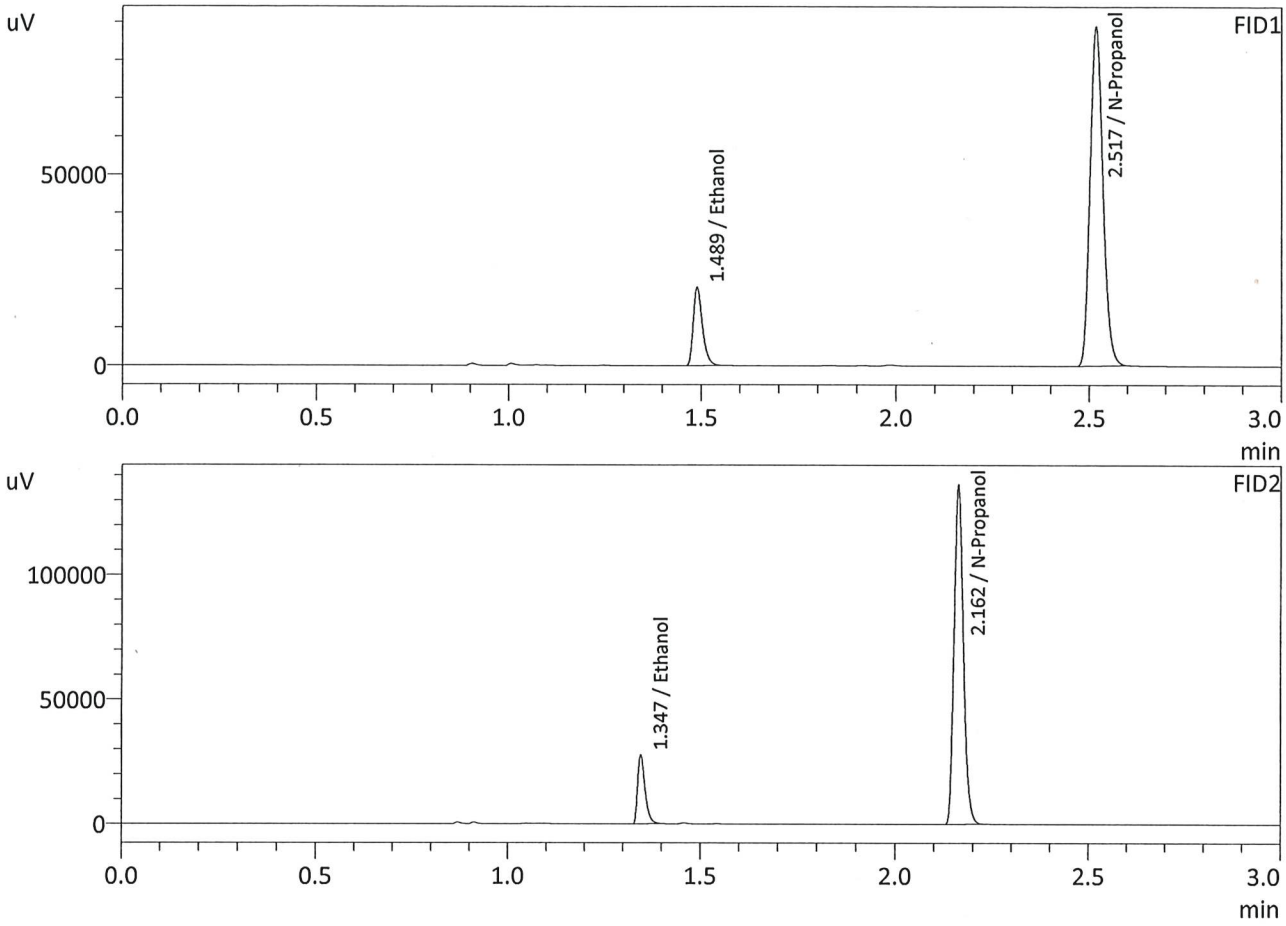
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

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.

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 9/10/2024 3:30:16 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

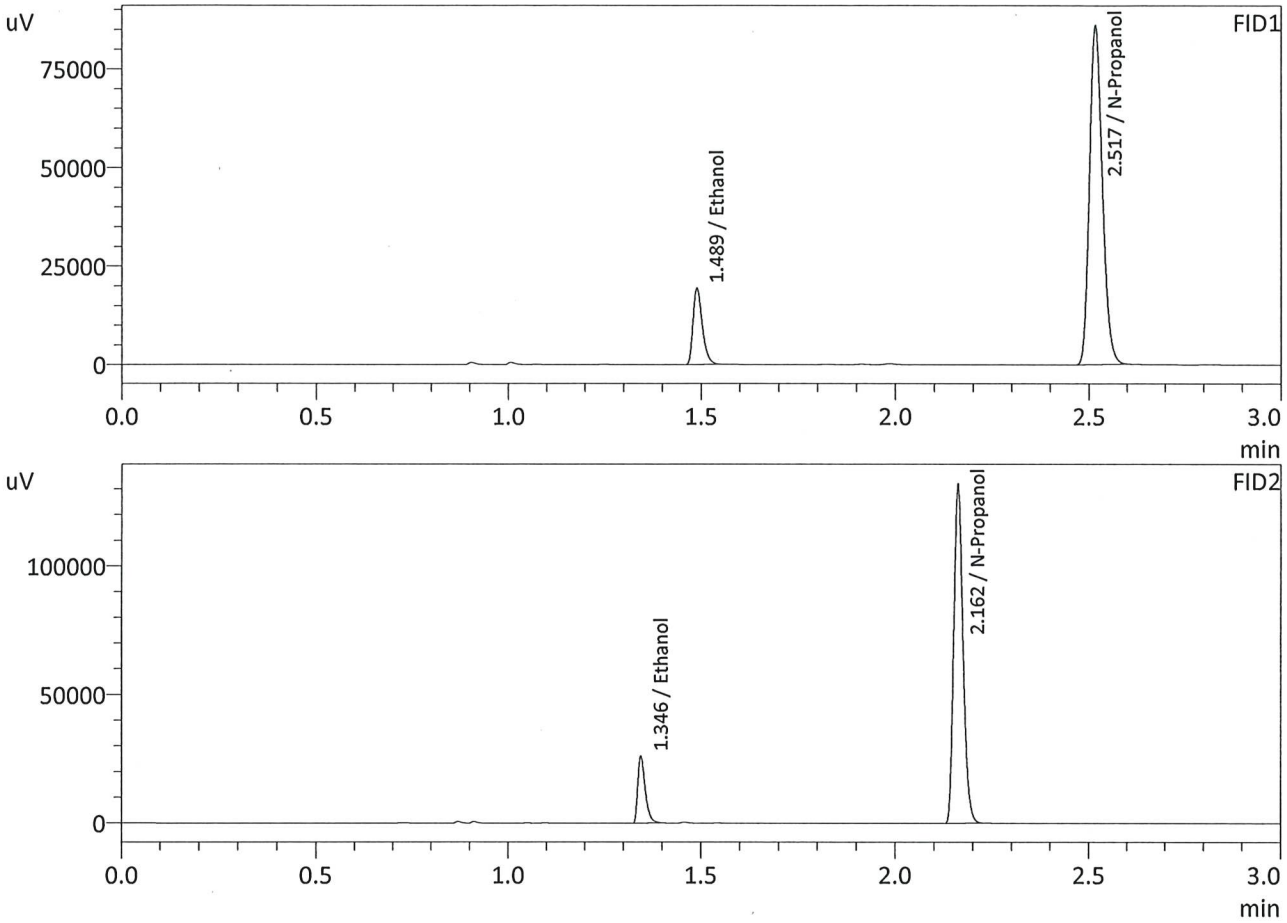
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	33994	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207009	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	36878	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225381	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 9/10/2024 3:38:53 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0808	32033	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200277	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0802	34778	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218020	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 9/10/2024 3:46:28 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0823	0.0818	0.0005	0.0820	0.0008	0.0816
(g/100cc)	0.0816	0.0808	0.0008	0.0812		

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%

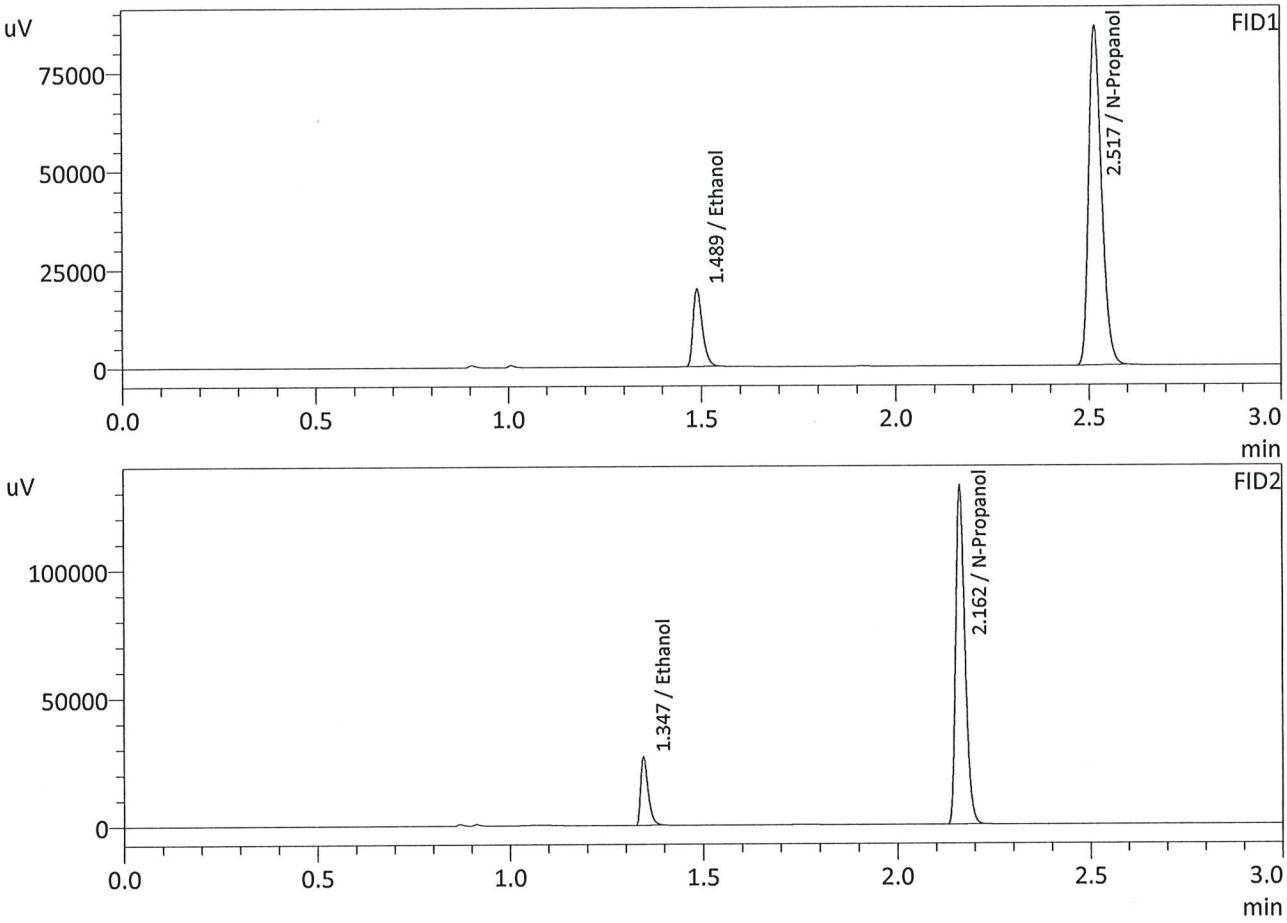
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

JL

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 9/10/2024 3:46:28 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

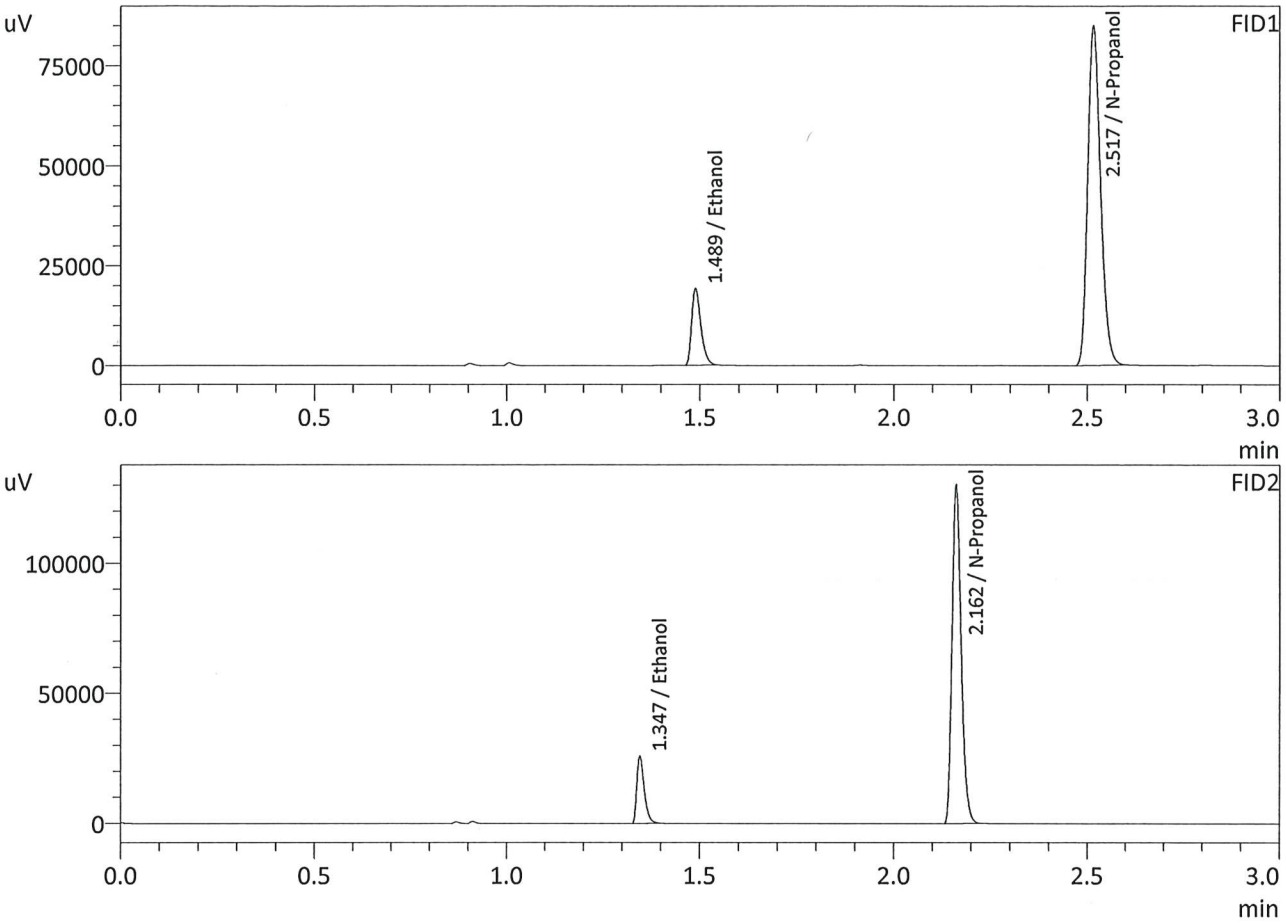
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	32797	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200956	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	35681	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218774	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 9/10/2024 3:55:10 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	31915	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197566	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0808	34619	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215225	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 9/10/2024 6:25:55 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2090	0.2094	0.0004	0.2092	0.0018	0.2083
(g/100cc)	0.2078	0.2071	0.0007	0.2074		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

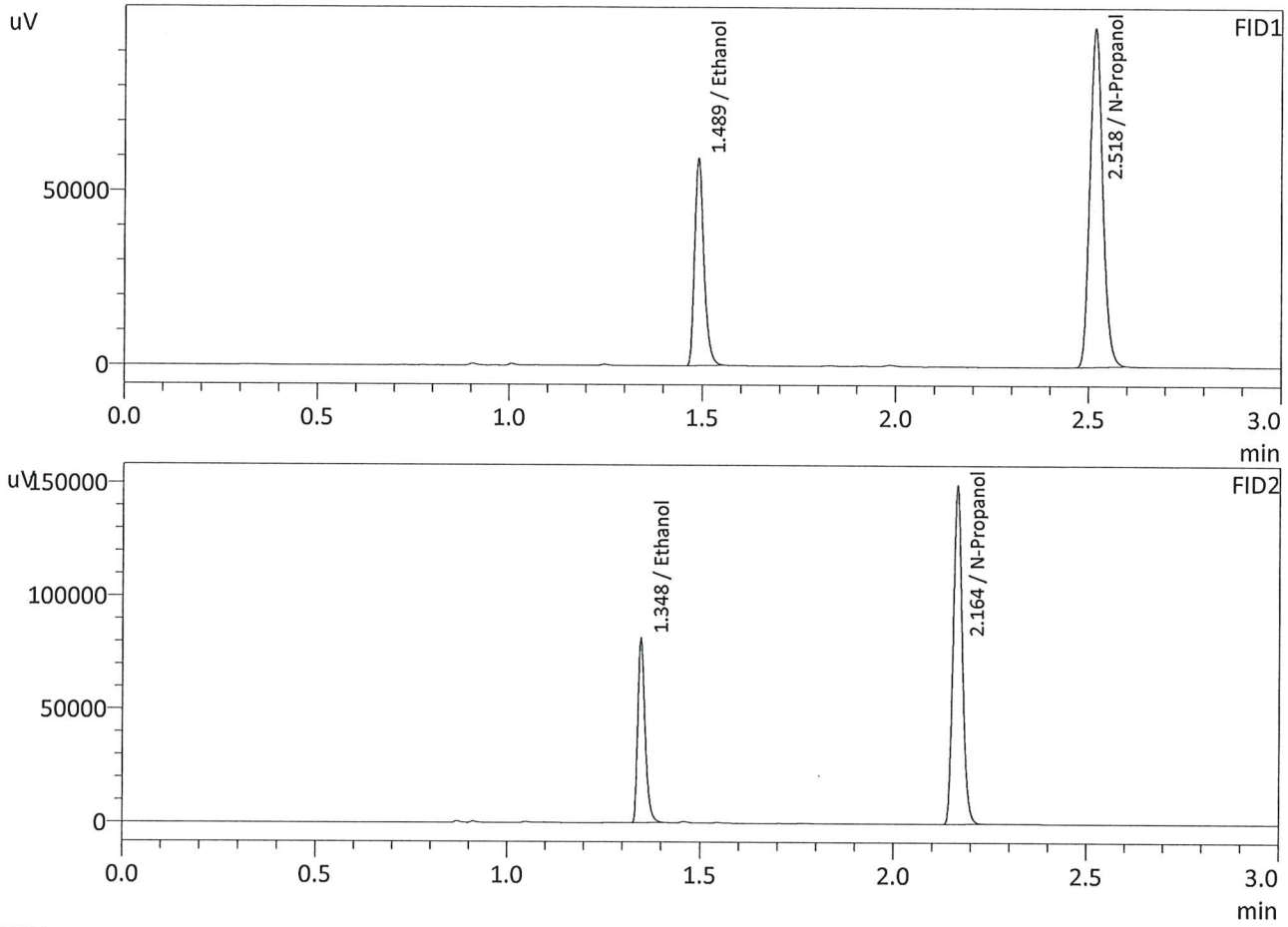
Refer To Instrument Method: ALCOHOL_240910JG.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.208	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 : 9/10/2024 6:25:55 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

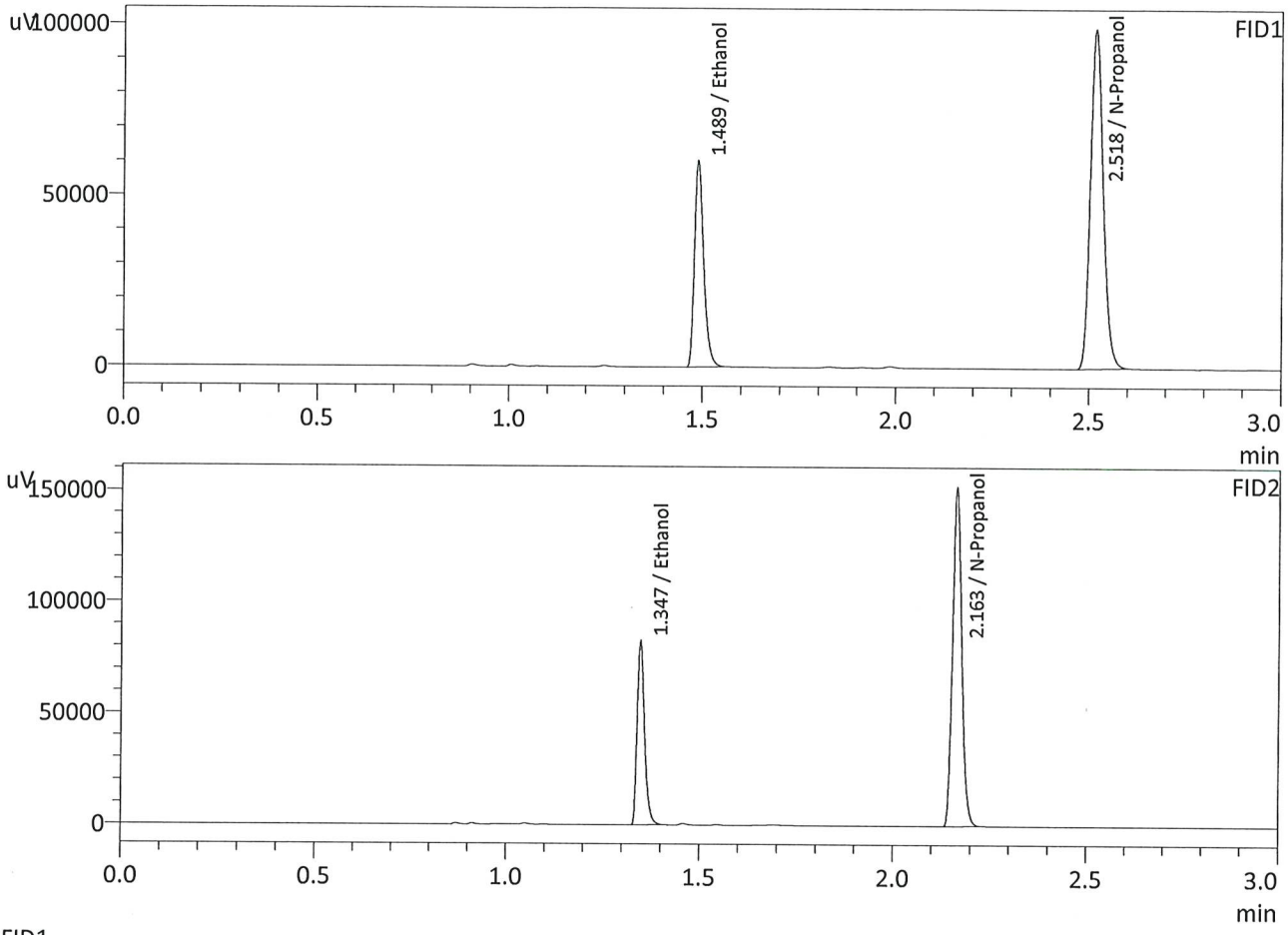
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2090	98484	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	226080	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2094	108181	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	246934	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 9/10/2024 6:33:35 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	99872	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230624	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2071	109069	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	251834	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 9/10/2024 9:21:17 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0852	0.0846	0.0006	0.0849	0.0014	0.0842
(g/100cc)	0.0838	0.0832	0.0006	0.0835		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240910JG.gcm

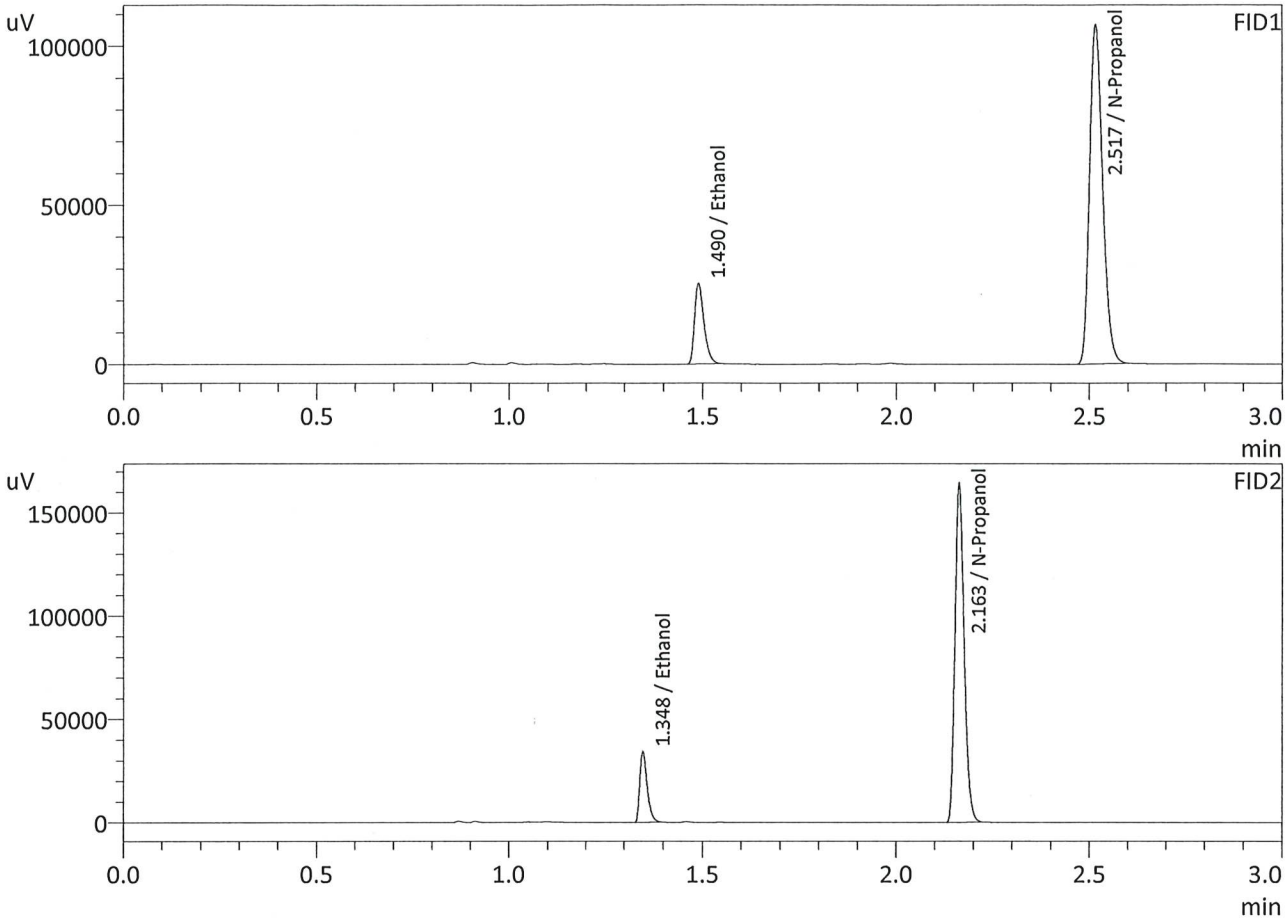
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.084	0.079	0.089	0.005

	Reported Results	
	0.084	

Calibration and control data are stored centrally.

JG

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 9/10/2024 9:21:17 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

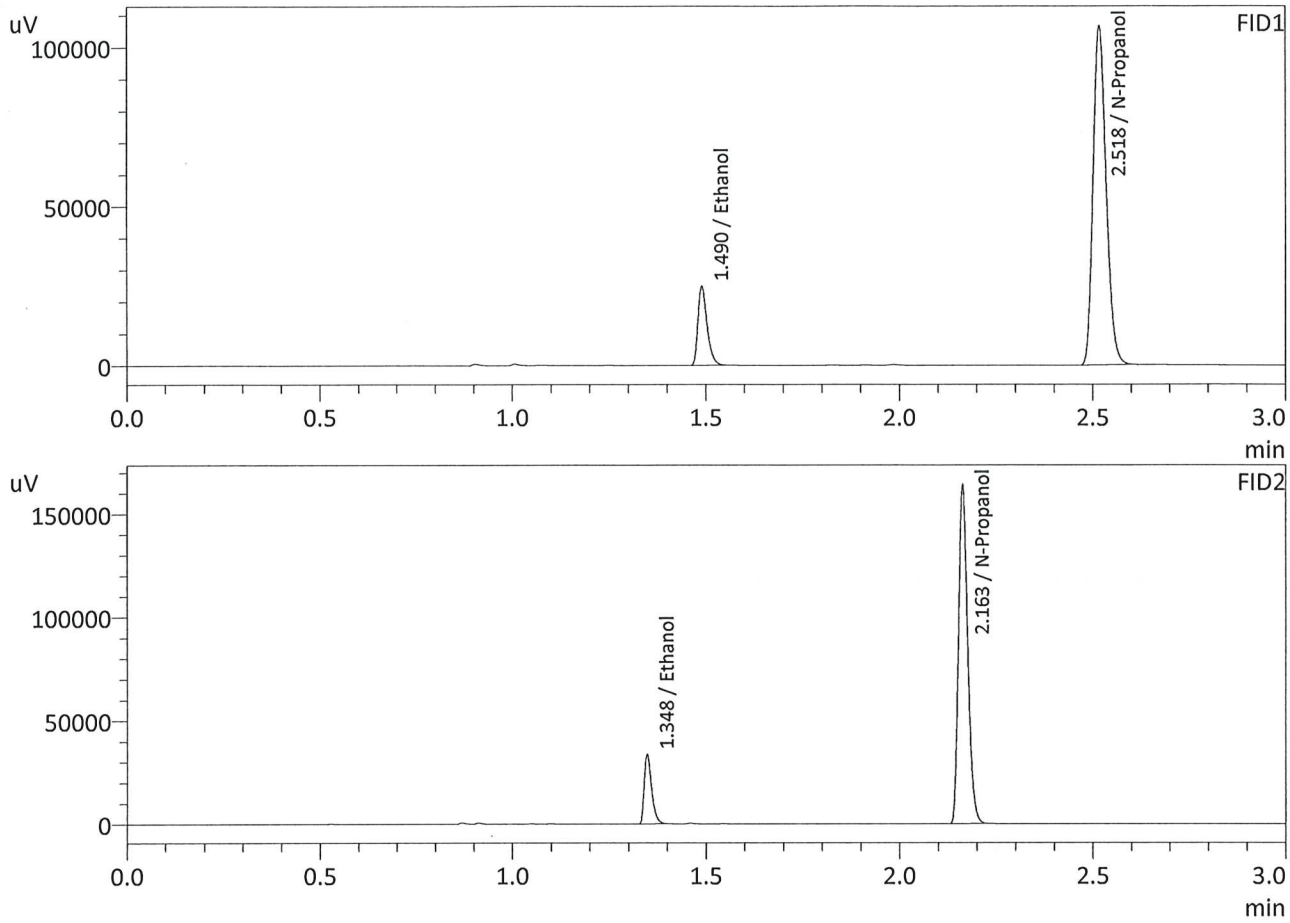
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0852	42010	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	248094	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0846	45804	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	270901	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 9/10/2024 9:30:05 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0838	41289	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	248323	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0832	45005	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	270946	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 9/11/2024 12:18:43 AM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2039	0.2036	0.0003	0.2037	0.0072	0.2073
(g/100cc)	0.2110	0.2108	0.0002	0.2109		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240910JG.gcm

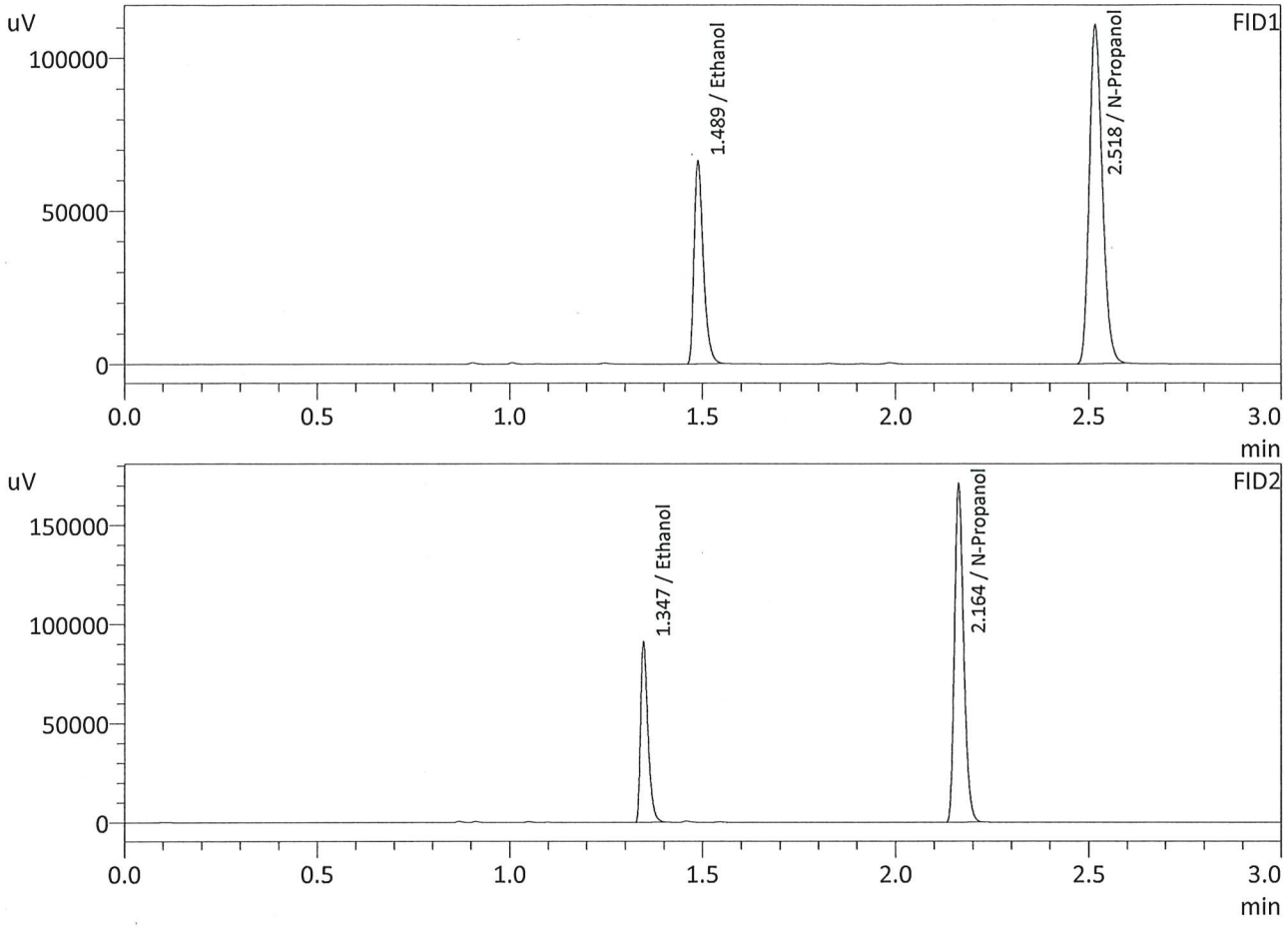
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.207	0.196	0.218	0.011

Reported Results
0.207

Calibration and control data are stored centrally.

JG

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 9/11/2024 12:18:43 AM
Vial # : 69
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

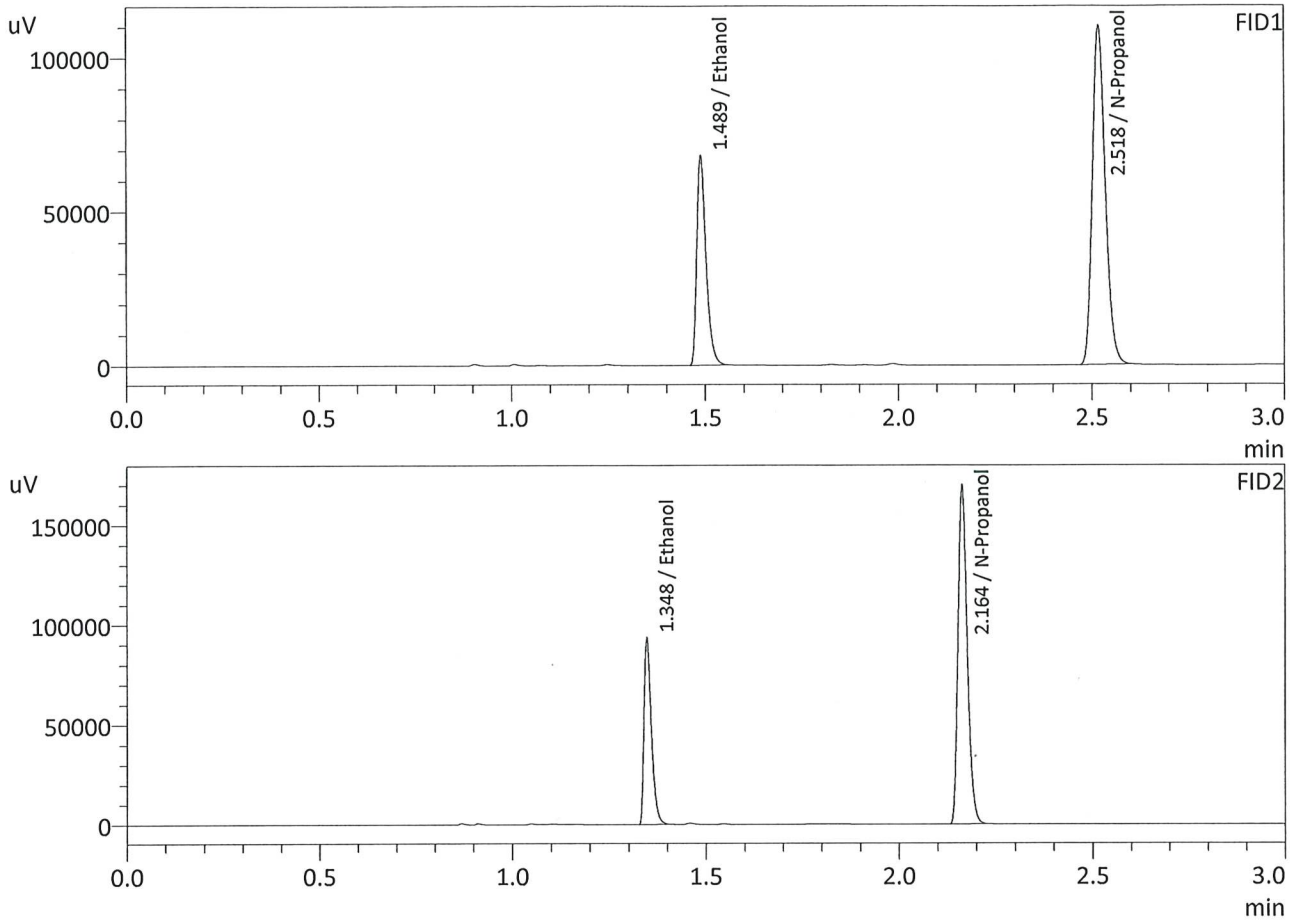
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2039	109687	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	258231	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2036	120019	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	281934	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 9/11/2024 12:26:15 AM
Vial # : 70
Method Filename : Default Project - ALCOHOL_240910JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2110	112772	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	256260	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2108	123450	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	279845	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Meridian Blood Alcohol Analysis Batch Table

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

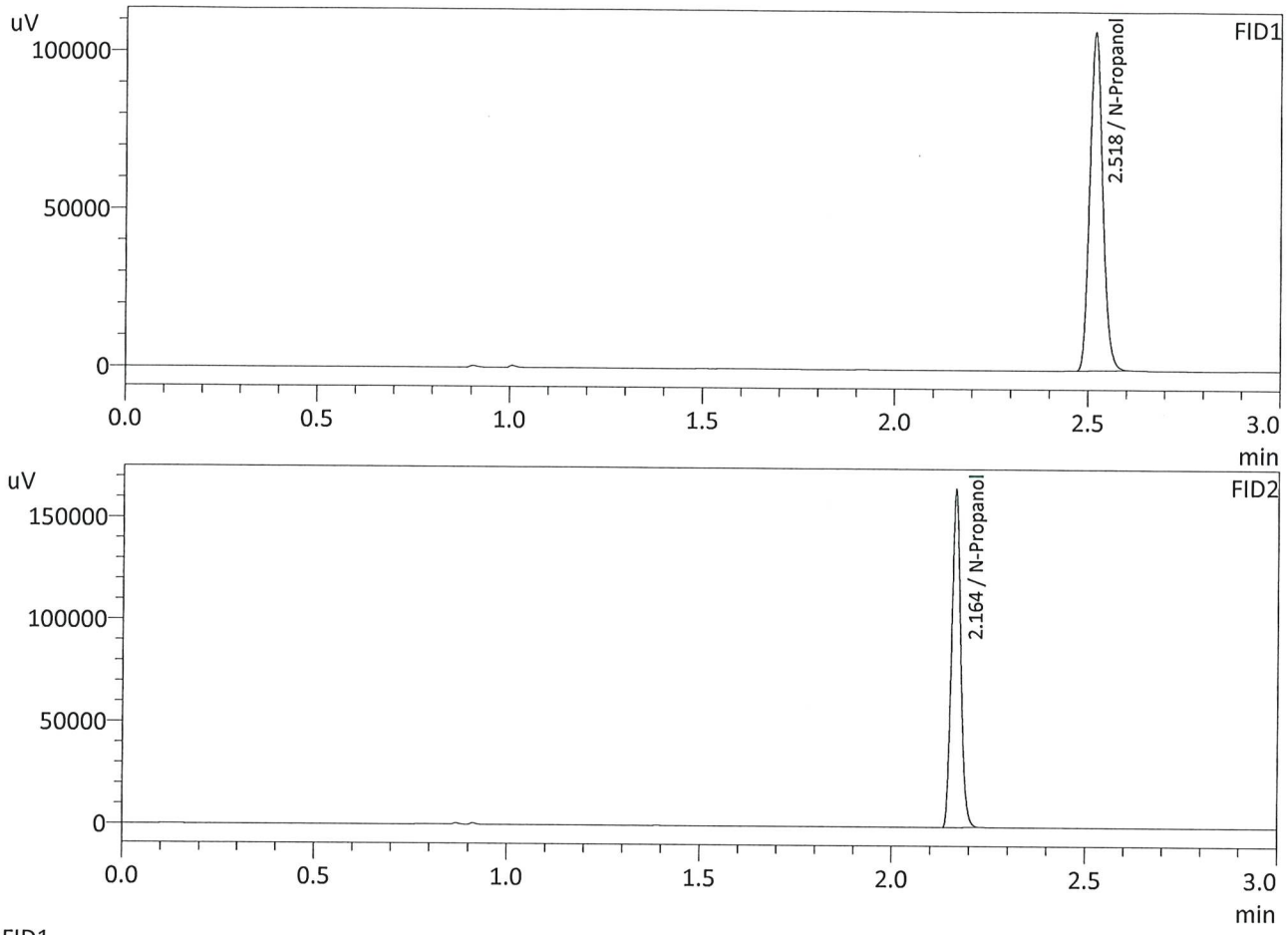
Vial#	Sample Name	Sample Type	Level#	Method File
1	ISTD BLK 1	0:Unknown	0	ALCOHOL 240910JG.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240910JG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240910JG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240910JG.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 240910JG.gcm
7	M2024-3638-1	0:Unknown	0	ALCOHOL 240910JG.gcm
8	M2024-3638-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
9	M2024-3638-2	0:Unknown	0	ALCOHOL 240910JG.gcm
10	M2024-3638-2-B	0:Unknown	0	ALCOHOL 240910JG.gcm
11	M2024-3638-3	0:Unknown	0	ALCOHOL 240910JG.gcm
12	M2024-3638-3-B	0:Unknown	0	ALCOHOL 240910JG.gcm
13	M2024-3638-4	0:Unknown	0	ALCOHOL 240910JG.gcm
14	M2024-3638-4-B	0:Unknown	0	ALCOHOL 240910JG.gcm
15	M2024-3550-1	0:Unknown	0	ALCOHOL 240910JG.gcm
16	M2024-3550-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
17	M2024-3567-1	0:Unknown	0	ALCOHOL 240910JG.gcm
18	M2024-3567-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
19	M2024-3568-1	0:Unknown	0	ALCOHOL 240910JG.gcm
20	M2024-3568-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
21	M2024-3571-1	0:Unknown	0	ALCOHOL 240910JG.gcm
22	M2024-3571-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
23	M2024-3580-1	0:Unknown	0	ALCOHOL 240910JG.gcm
24	M2024-3580-1-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	M2024-3581-1	0:Unknown	0	ALCOHOL 240910JG.gcm
28	M2024-3581-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
29	M2024-3582-1	0:Unknown	0	ALCOHOL 240910JG.gcm
30	M2024-3582-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
31	M2024-3583-1	0:Unknown	0	ALCOHOL 240910JG.gcm
32	M2024-3583-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
33	M2024-3595-1	0:Unknown	0	ALCOHOL 240910JG.gcm
34	M2024-3595-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
35	M2024-3617-1	0:Unknown	0	ALCOHOL 240910JG.gcm
36	M2024-3617-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
37	M2024-3618-1	0:Unknown	0	ALCOHOL 240910JG.gcm
38	M2024-3618-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
39	M2024-3632-1	0:Unknown	0	ALCOHOL 240910JG.gcm
40	M2024-3632-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
41	M2024-3633-1	0:Unknown	0	ALCOHOL 240910JG.gcm
42	M2024-3633-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
43	M2024-3634-1	0:Unknown	0	ALCOHOL 240910JG.gcm
44	M2024-3634-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
45	M2024-3635-1	0:Unknown	0	ALCOHOL 240910JG.gcm
46	M2024-3635-1-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	M2024-3645-1	0:Unknown	0	ALCOHOL 240910JG.gcm
50	M2024-3645-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
51	M2024-3646-1	0:Unknown	0	ALCOHOL 240910JG.gcm
52	M2024-3646-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
53	M2024-3647-1	0:Unknown	0	ALCOHOL 240910JG.gcm
54	M2024-3647-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
55	M2024-3648-1	0:Unknown	0	ALCOHOL 240910JG.gcm
56	M2024-3648-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
57	M2024-3659-1	0:Unknown	0	ALCOHOL 240910JG.gcm
58	M2024-3659-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
59	M2024-3678-1	0:Unknown	0	ALCOHOL 240910JG.gcm

JG

Vial#	Sample Name	Sample Type	Level#	Method File
60	M2024-3678-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
61	M2024-3687-1	0:Unknown	0	ALCOHOL 240910JG.gcm
62	M2024-3687-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
63	M2024-3703-1	0:Unknown	0	ALCOHOL 240910JG.gcm
64	M2024-3703-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
65	M2024-3704-1	0:Unknown	0	ALCOHOL 240910JG.gcm
66	M2024-3704-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
67	M2024-3707-1	0:Unknown	0	ALCOHOL 240910JG.gcm
68	M2024-3707-1-B	0:Unknown	0	ALCOHOL 240910JG.gcm
69	QC-2-2	0:Unknown	0	ALCOHOL 240910JG.gcm
70	QC-2-2-B	0:Unknown	0	ALCOHOL 240910JG.gcm
71	ISTD BLK 2	0:Unknown	0	ALCOHOL 240910JG.gcm

JG

Sample Name : ISTD BLK 2
Laboratory : Meridian
Injection Date : 9/11/2024 12:34:47 AM
Vial # : 71
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	249899	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	272532	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG