REVIEWED
By Melissa (Nikka) Bradley at 3:31 pm, Jul 11, 2024
MB

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):** 7/10/24

Calibration Date: *(if different)* 7/10/24

Worklist #: 6867

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0804 g/100cc
					0.0827 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2087 g/100cc
					0.2061 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 24	Lot #	FN06041902	
Curve Fit:		Column 1	0.99986	Column2	0.99986

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0517	0.0515	0.0002	0.0516
100	0.100	0.090 - 0.110	0.1005	0.1010	0.0005	0.1007
200	0.200	0.180 - 0.220	0.1982	0.1979	0.0003	0.198
300	0.300	0.270 - 0.330	0.2974	0.2975	1E-04	0.2974
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5019	0.5019	0	0.5019

Aqueous Controls

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

JG

Internal Standard Monitoring Worksheet

Worklist #:	6867	Run Date(s):	7/10/24

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

Sample Name	Column 1 Value	Column 2 Value
0.080	191887	207924
0.080	188006	203538
QC1	188420	204199
QC1	195267	211473
QC1	236366	256921
QC1	228095	247614
QC1		
QC1		
QC2	218950	237829
QC2	220802	239634
QC2	257207	279173
QC2	246182	267356
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	217118.2	173694.6	260541.8
Column 2	235566.1	188452.9	282679.3

JG

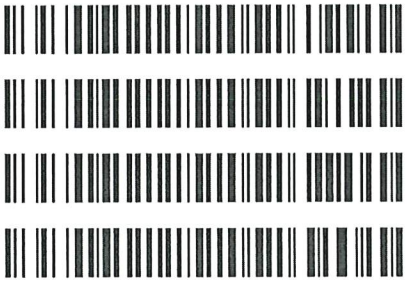
7/11/2024

Worklist: 6867

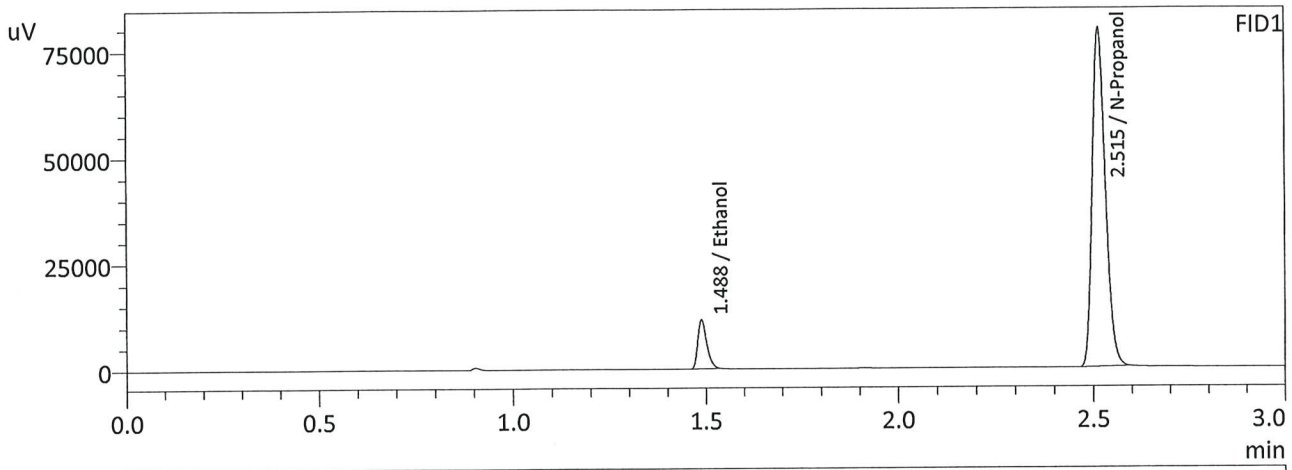
LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-2603	1	BCK	Alcohol Analysis
M2024-2604	1	BCK	Alcohol Analysis
M2024-2617	1	BCK	Alcohol Analysis
M2024-2636	1	BCK	Alcohol Analysis
M2024-2641	3	BCK	Alcohol Analysis
M2024-2649	1	BCK	Alcohol Analysis
M2024-2673	1	BCK	Alcohol Analysis
M2024-2682	3	BCK	Alcohol Analysis
M2024-2685	1	BCK	Alcohol Analysis
M2024-2686	1	BCK	Alcohol Analysis
M2024-2709	1	BCK	Alcohol Analysis
M2024-2710	1	BCK	Alcohol Analysis
M2024-2711	1	BCK	Alcohol Analysis
M2024-2712	1	BCK	Alcohol Analysis
M2024-2723	1	BCK	Alcohol Analysis
M2024-2734	1	BCK	Alcohol Analysis
M2024-2735	1	BCK	Alcohol Analysis
M2024-2736	1	BCK	Alcohol Analysis
M2024-2744	1	BCK	Alcohol Analysis
M2024-2745	1	BCK	Alcohol Analysis
M2024-2746	1	BCK	Alcohol Analysis

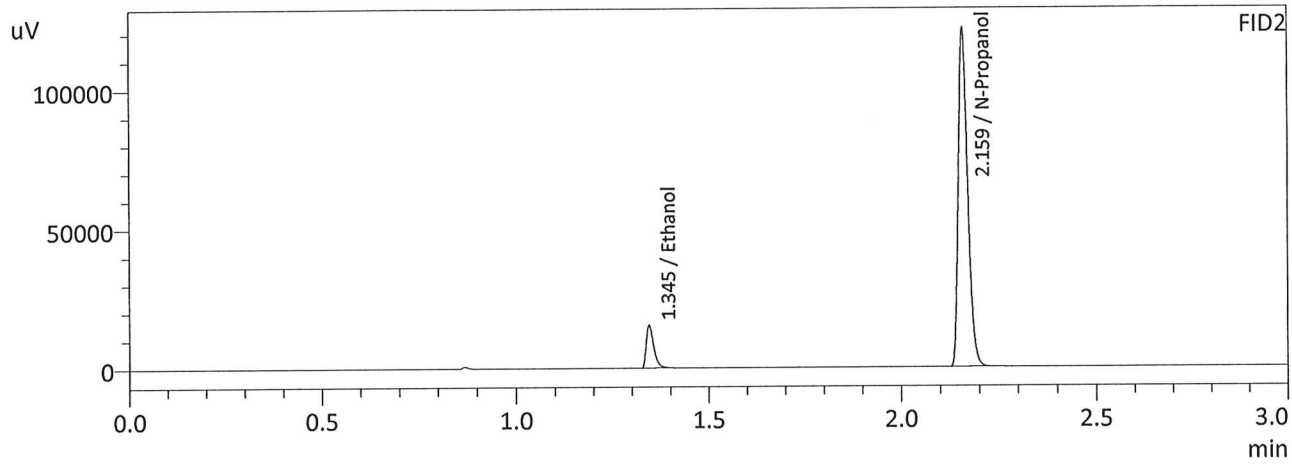
Worklist: 6867

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-2766	1	BCK	Alcohol Analysis
M2024-2767	1	BCK	Alcohol Analysis
M2024-2768	1	BCK	Alcohol Analysis
M2024-2769	1	BCK	Alcohol Analysis



Sample Name : 0.050
Laboratory : Meridian
Injection Date : 7/10/2024 11:47:06 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_240710_JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0517	19122	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186084	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0515	20634	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201415	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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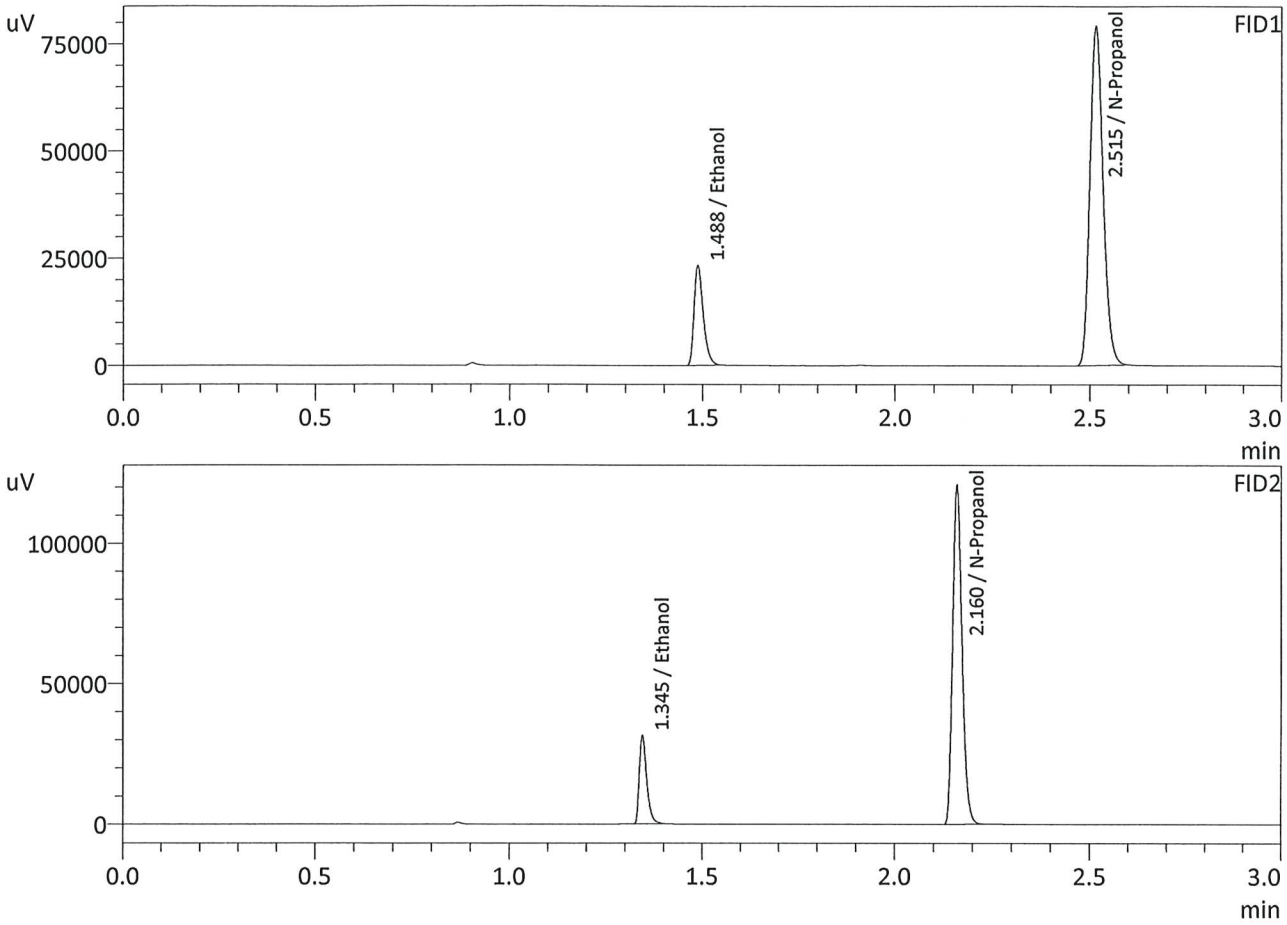
Sample Name : 0.100
Laboratory : Meridian
Injection Date : 7/10/2024 11:54:25 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_240710_JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1005	38630	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184556	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1010	42146	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199834	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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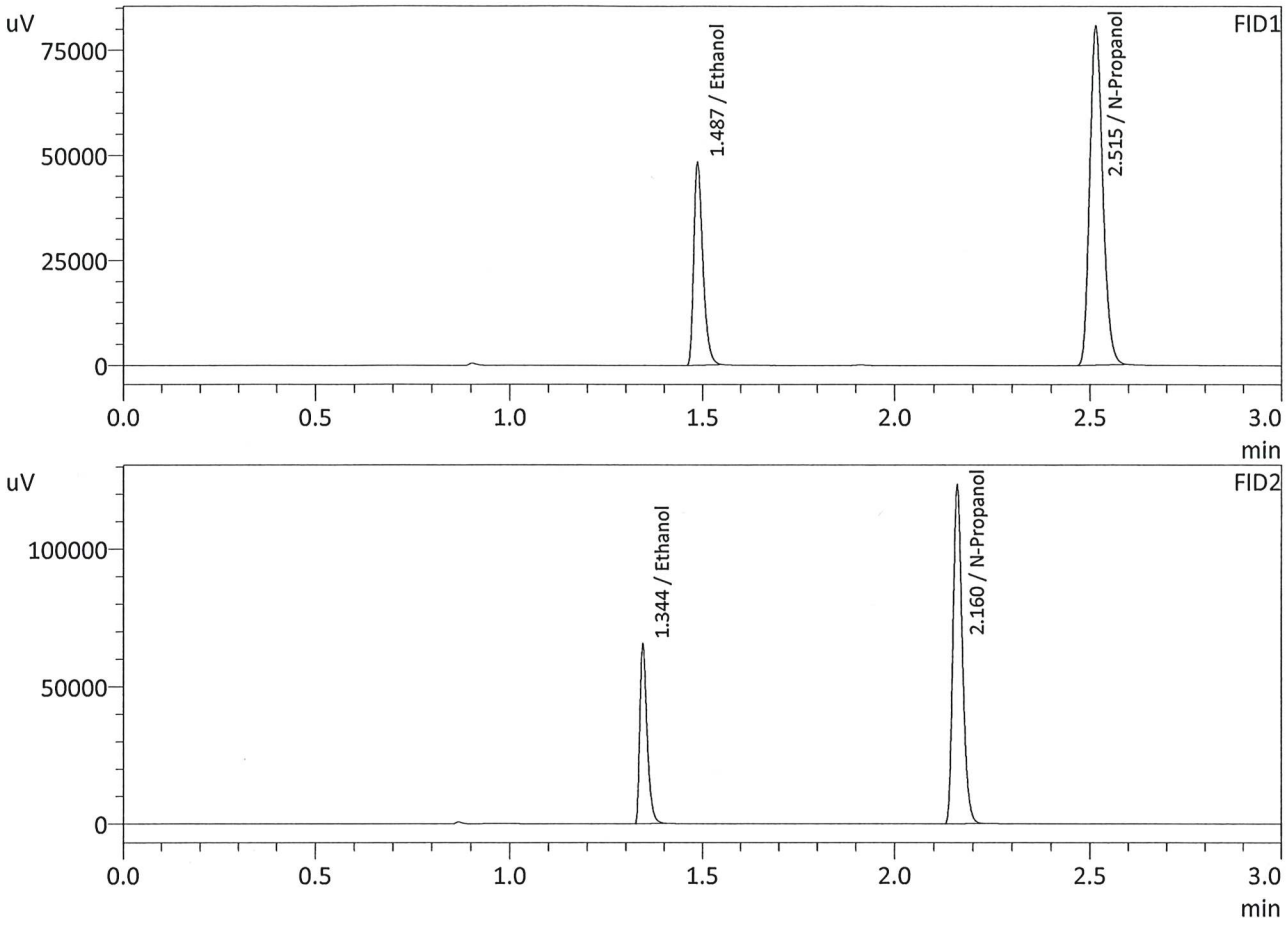
Sample Name : 0.200
Laboratory : Meridian
Injection Date : 7/10/2024 12:02:07 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_240710_JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1982	79719	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188617	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1979	86439	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204295	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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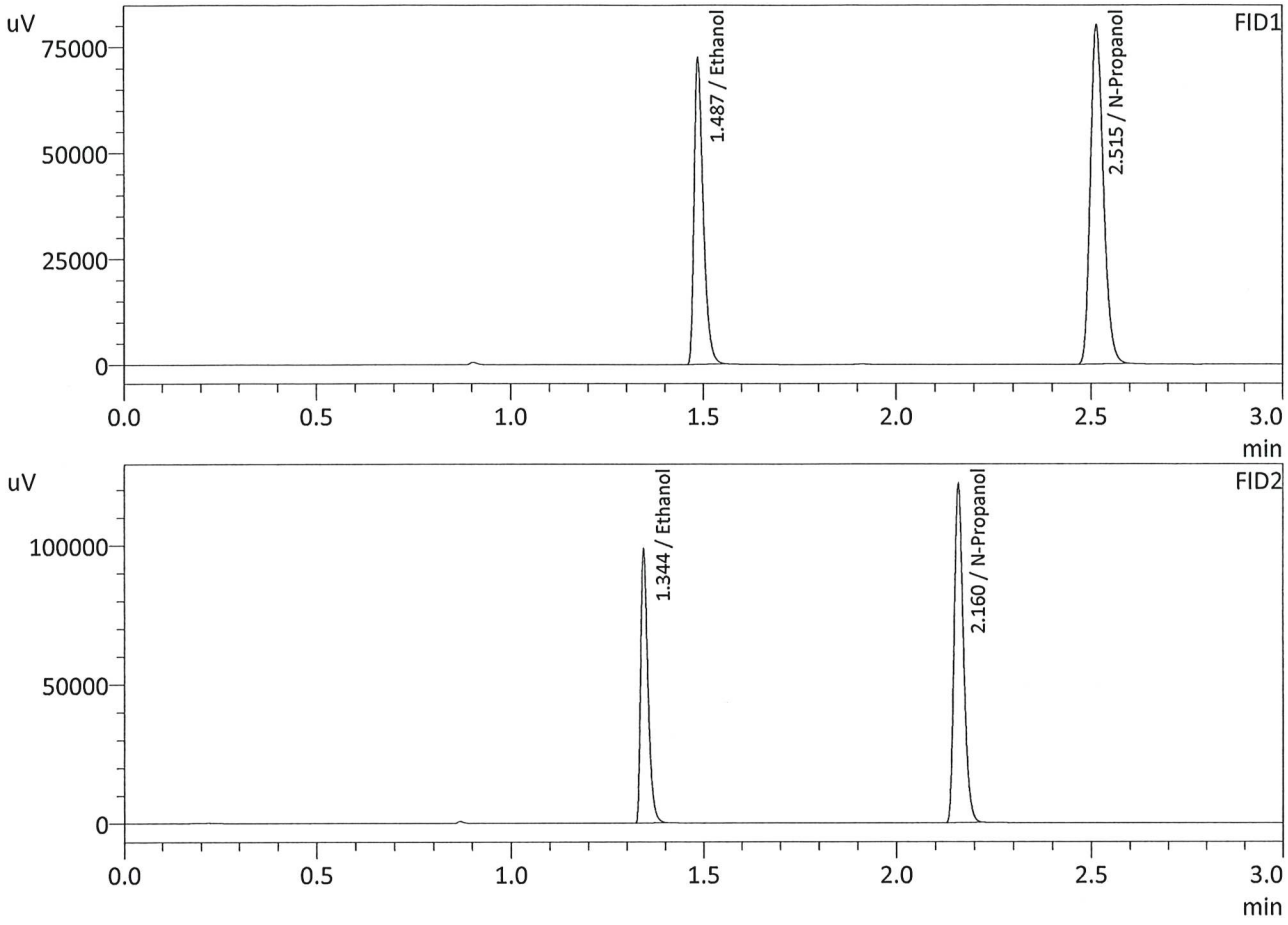
Sample Name : 0.300
Laboratory : Meridian
Injection Date : 7/10/2024 12:10:33 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_240710_JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2974	119398	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186809	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2975	129522	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201967	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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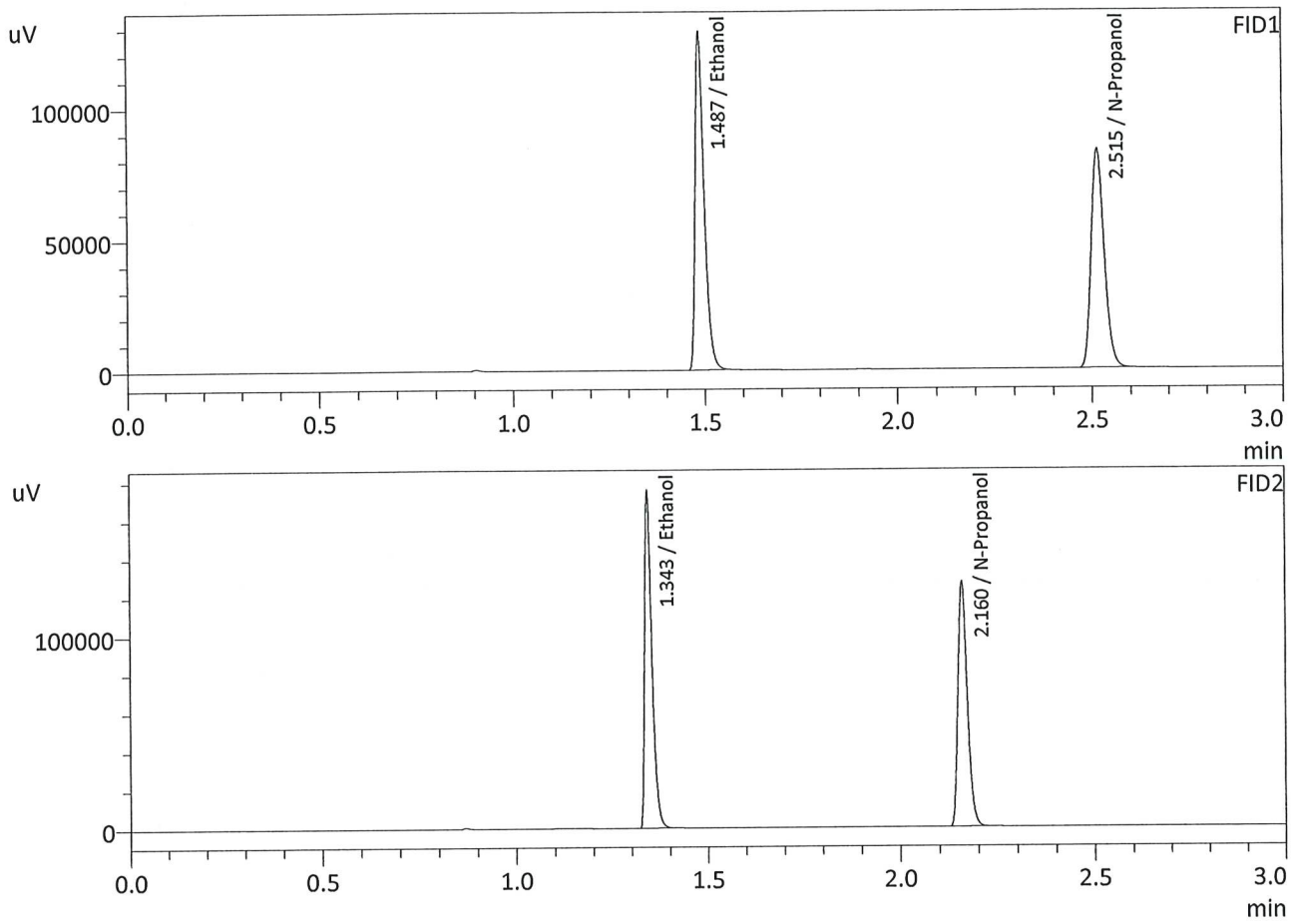
Sample Name : 0.500
Laboratory : Meridian
Injection Date : 7/10/2024 12:18:04 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_240710_JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5019	211367	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194699	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5019	229310	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210571	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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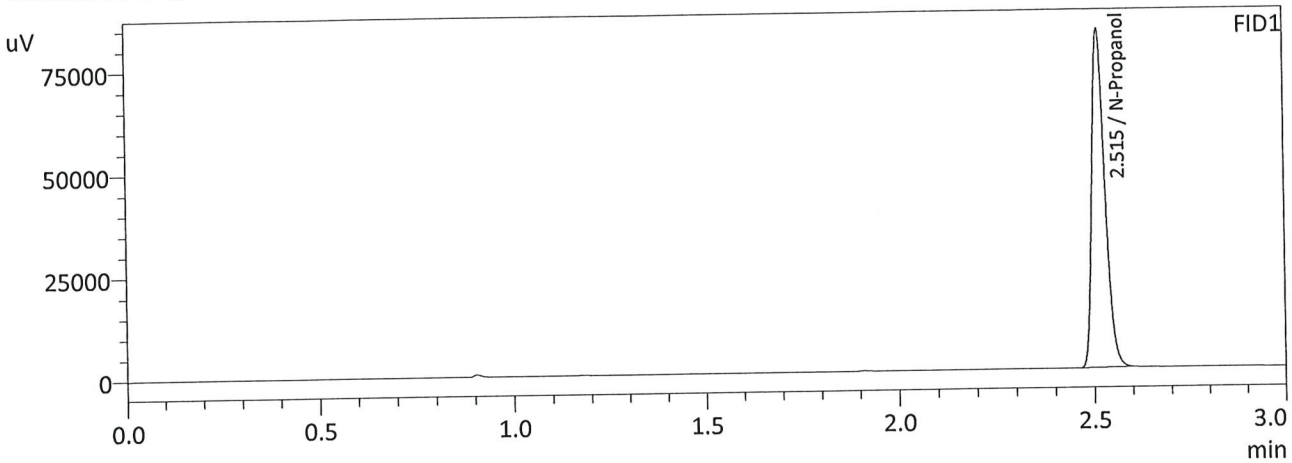
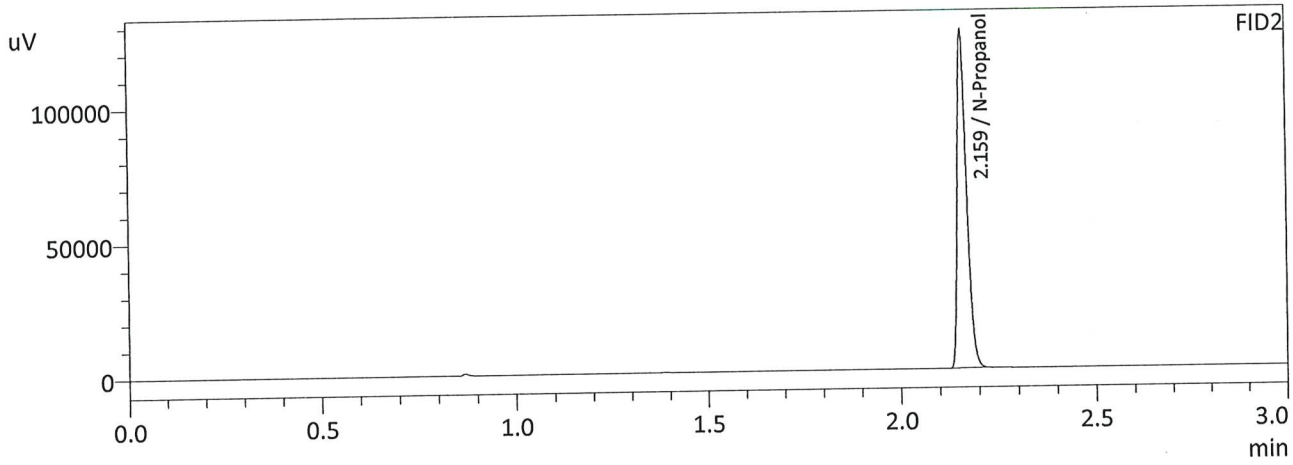
Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 7/10/2024 12:26:51 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_240710_JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192158	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	207831	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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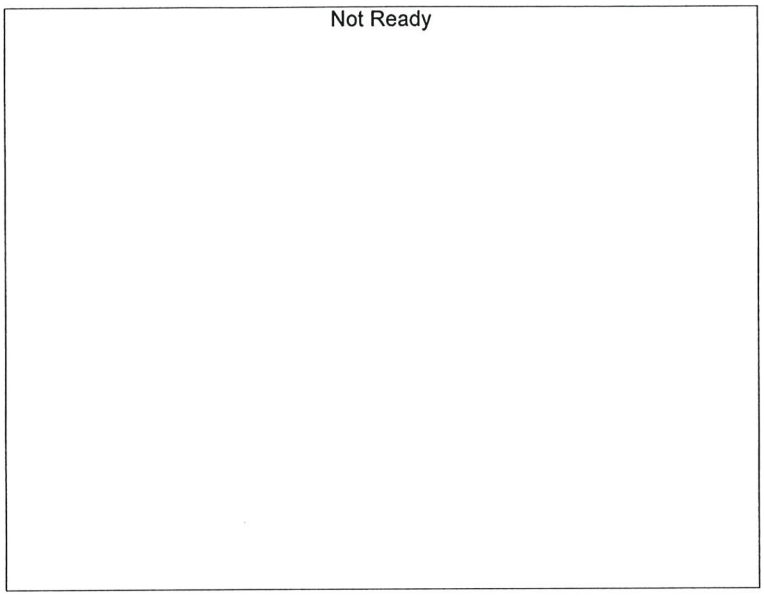
Calibration Table

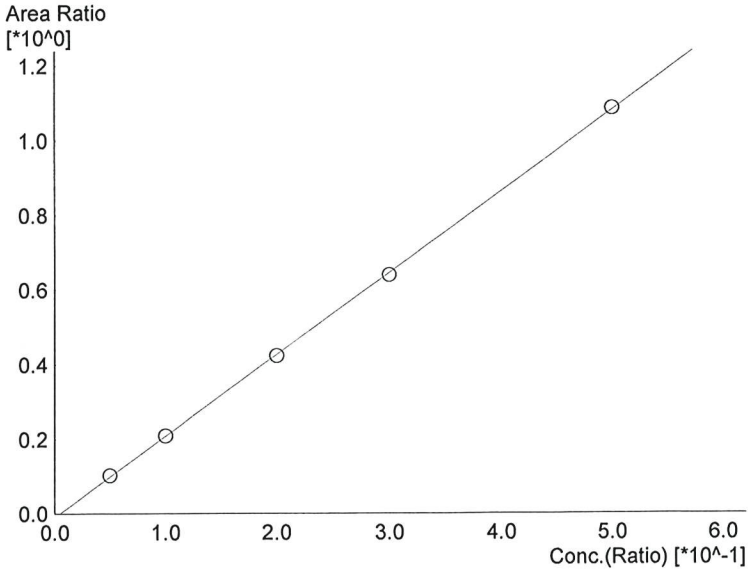
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_240710_JG.gcm
Batch File :Default Project - CALCURVE_240710_JG.gcb
Date Acquired :7/10/2024 12:18:04 PM
Date Created :7/10/2024 12:13:36 PM
Date Modified :7/10/2024 12:21:06 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)=2.18334*x-0.0102743
R^2 value= 0.9998698
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19122	0.0517
2	0.100	38630	0.1005
3	0.200	79719	0.1982
4	0.300	119398	0.2974
5	0.500	211367	0.5019

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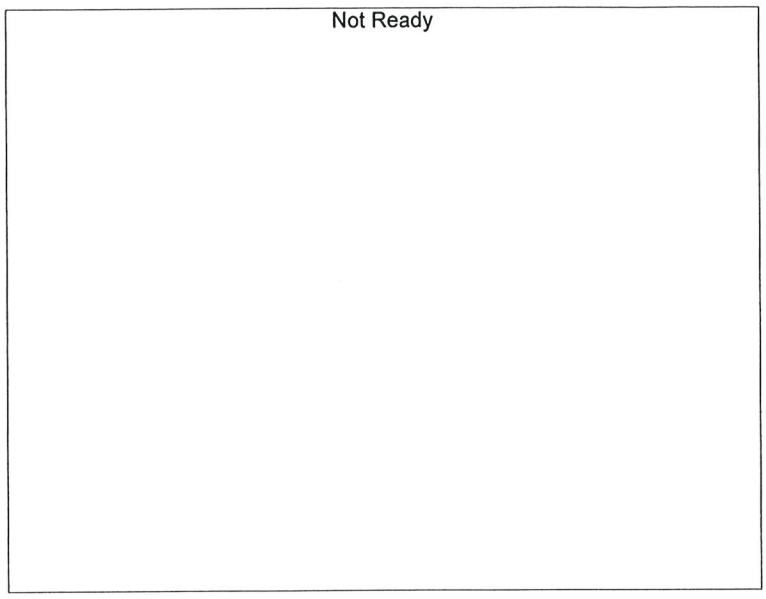
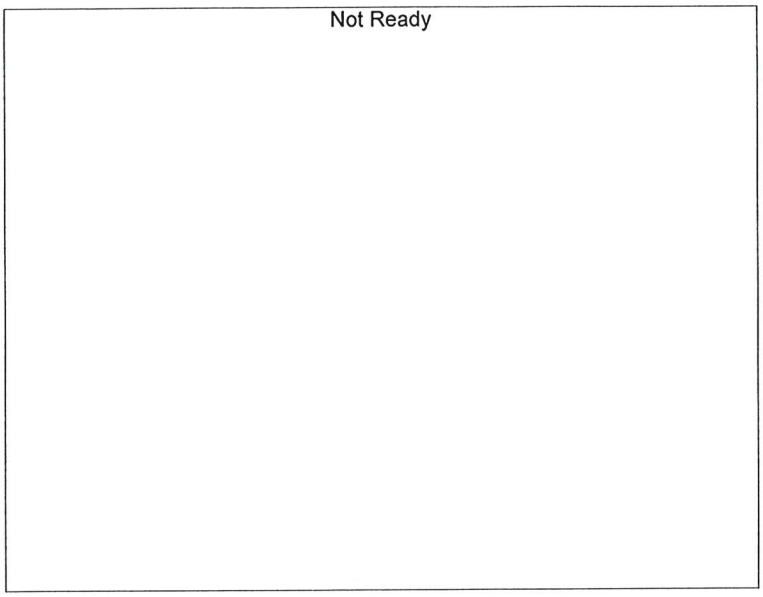


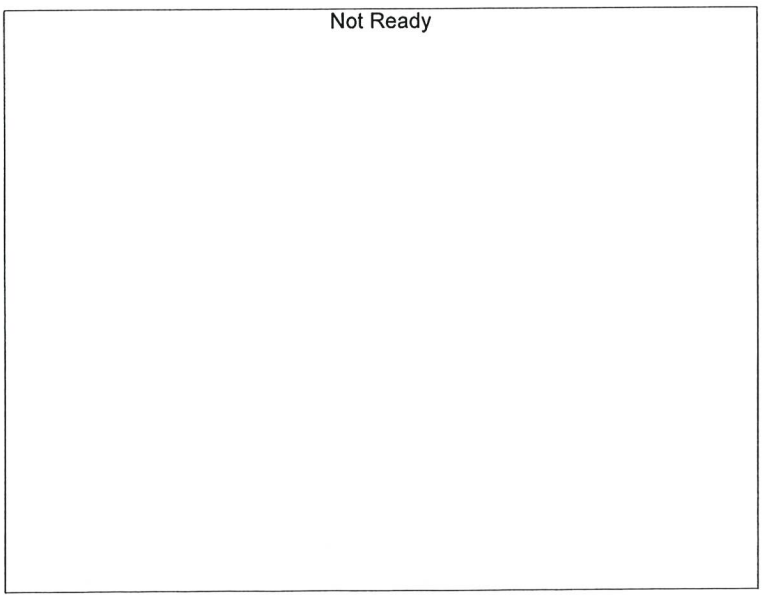
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



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

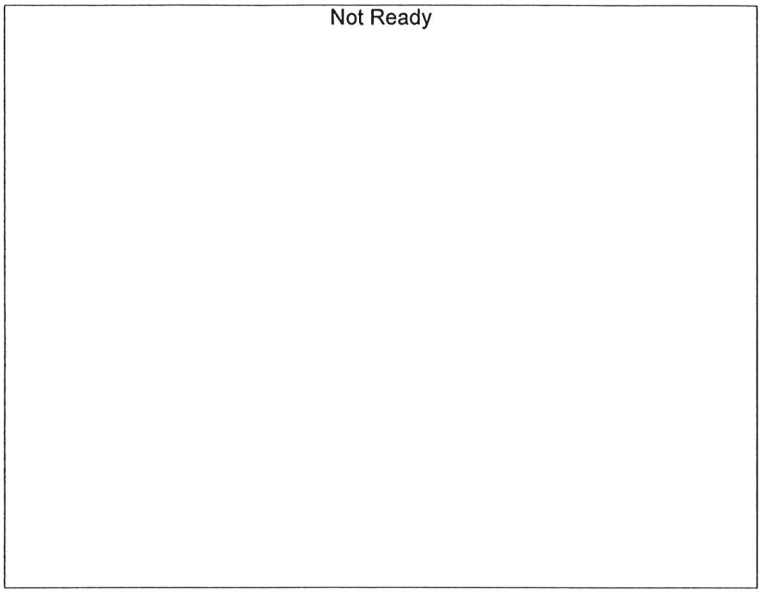
#	Conc.	Area	Std. Conc.



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

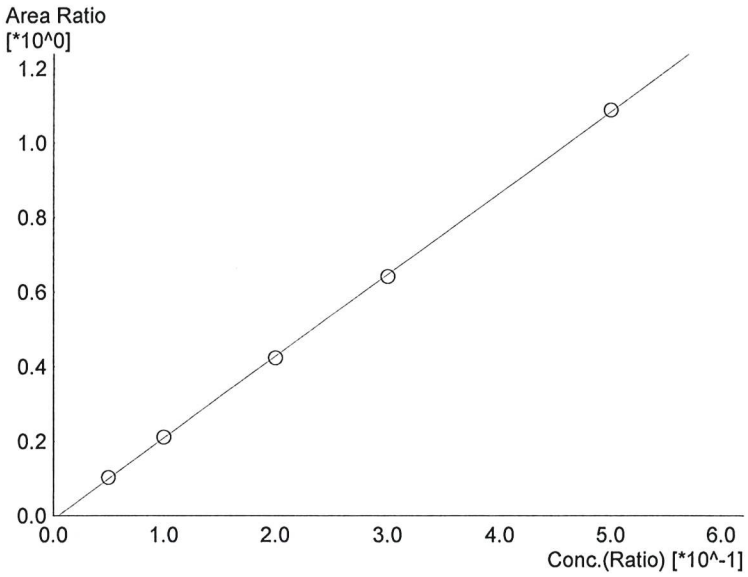
#	Conc.	Area	Std. Conc.

JC



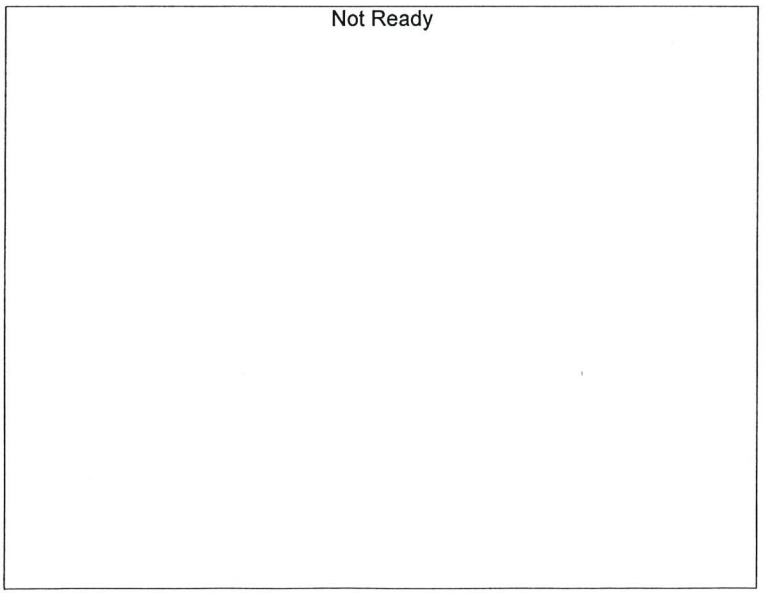
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.19038*x-0.0104355
R^2 value= 0.9998633
FitType: Linear
ZeroThrough: Not Through

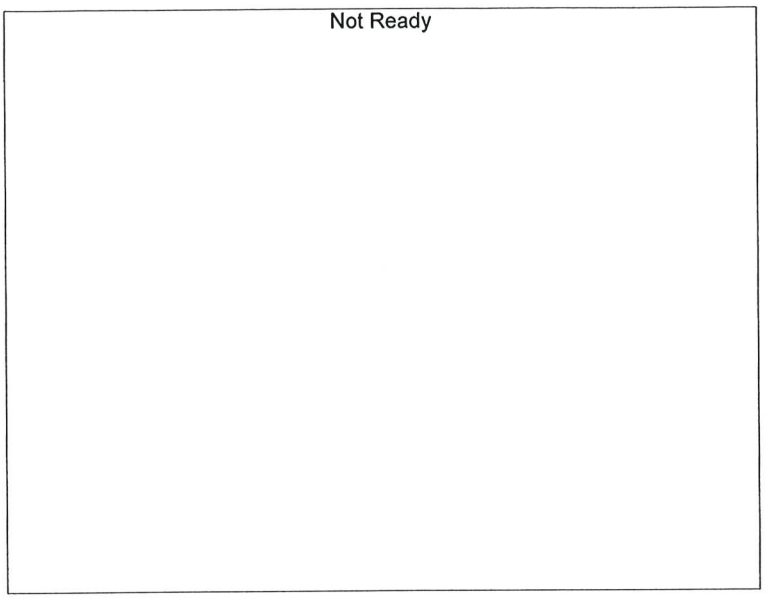
#	Conc.	Area	Std. Conc.
1	0.050	20634	0.0515
2	0.100	42146	0.1010
3	0.200	86439	0.1979
4	0.300	129522	0.2975
5	0.500	229310	0.5019



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

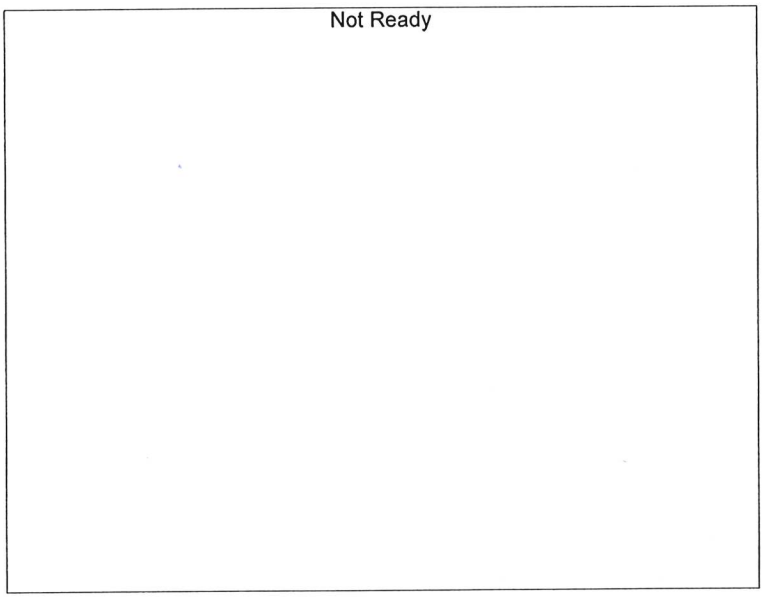
#	Conc.	Area	Std. Conc.

JC



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.

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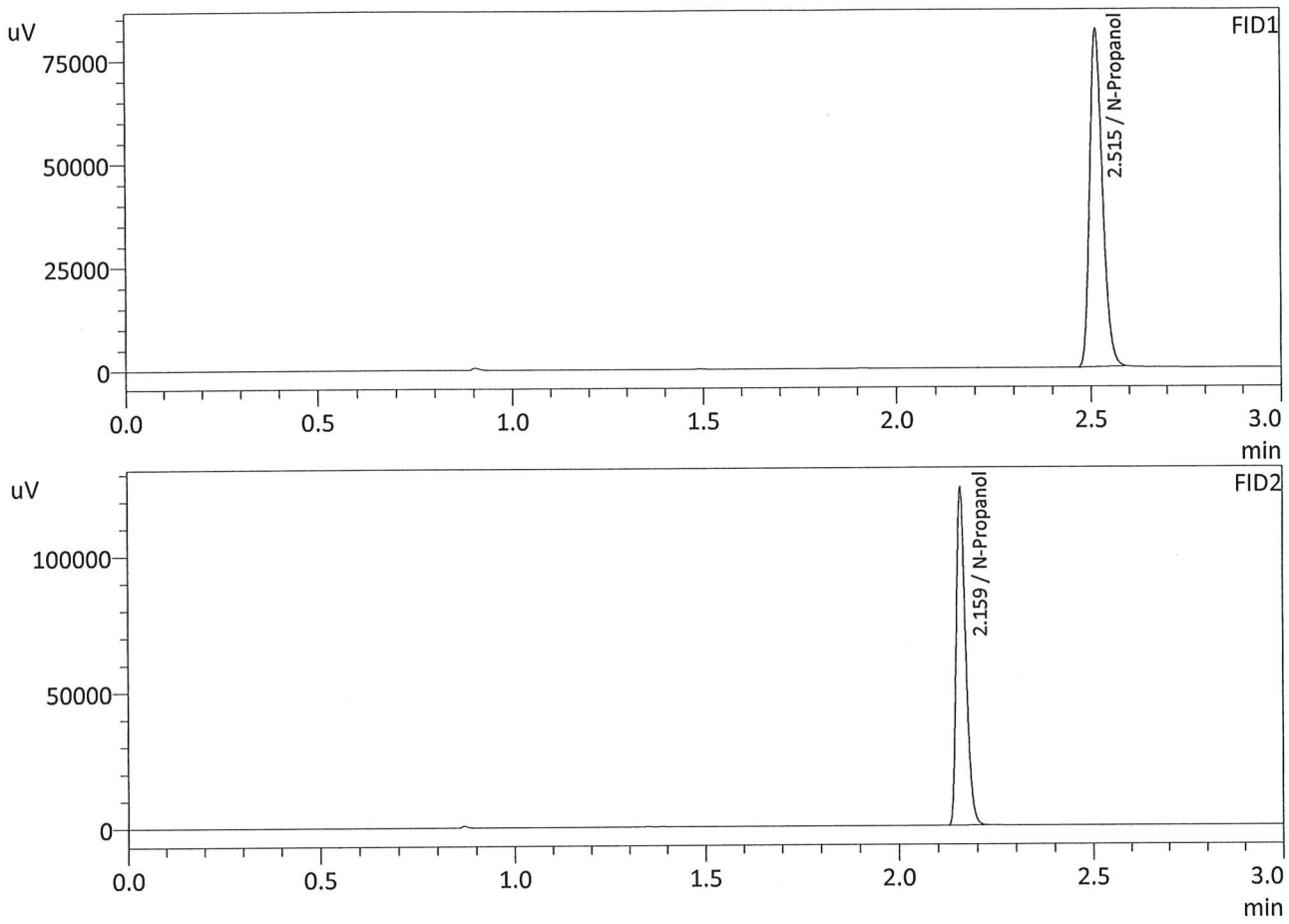
Meridian Blood Alcohol Analysis Batch Table

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 240710 JG.gcm
2	0.100	1:Standard	2	ALCOHOL 240710 JG.gcm
3	0.200	1:Standard	3	ALCOHOL 240710 JG.gcm
4	0.300	1:Standard	4	ALCOHOL 240710 JG.gcm
5	0.500	1:Standard	5	ALCOHOL 240710 JG.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 240710 JG.gcm

JG

Sample Name : ISTD BLK 1
Laboratory : Meridian
Injection Date : 7/10/2024 1:13:21 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL.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	190373	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	205803	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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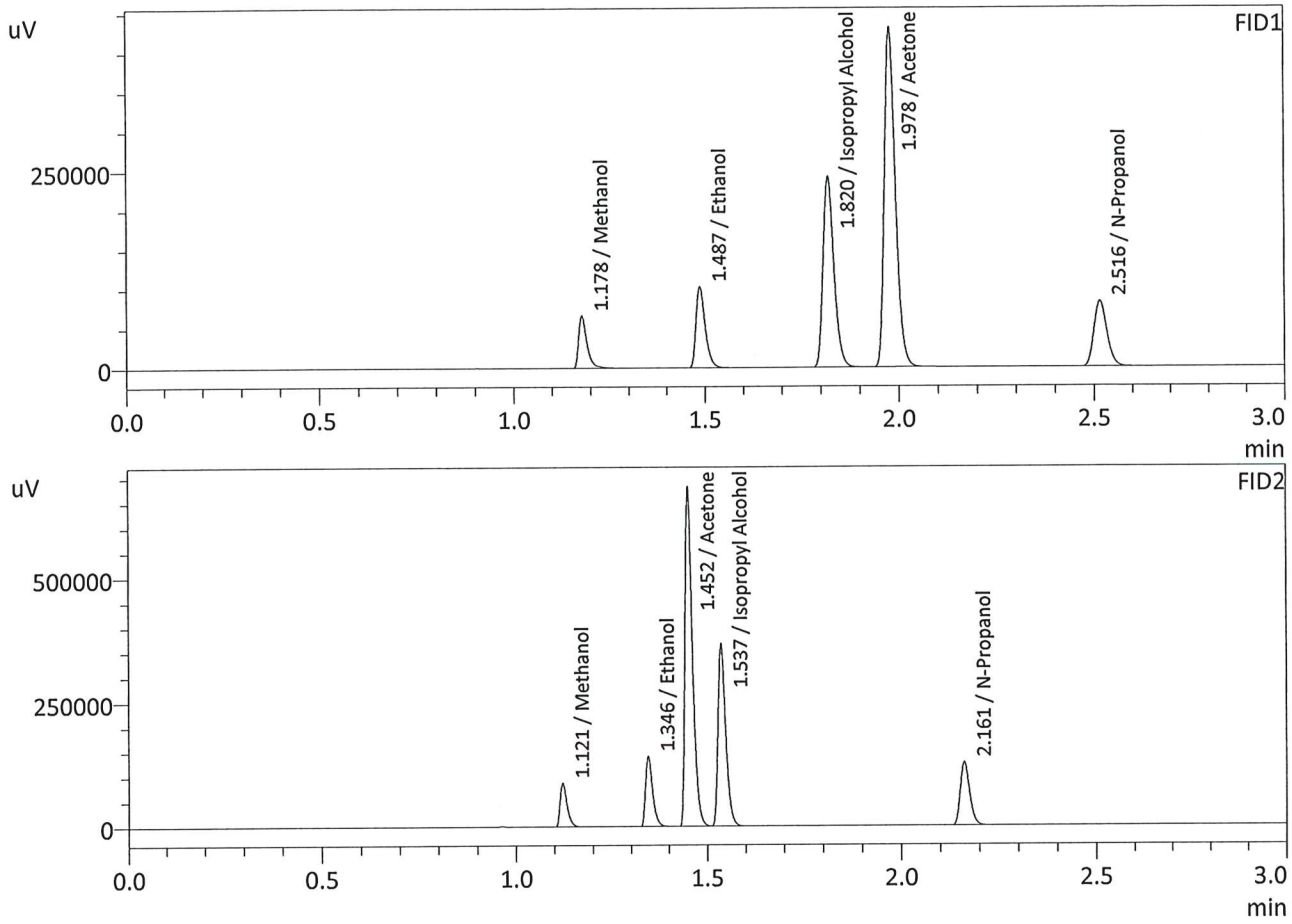
Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 7/10/2024 1:20:41 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	100418	g/100cc
Ethanol	0.4065	170086	g/100cc
Isopropyl Alcohol	0.0000	470546	g/100cc
Acetone	0.0000	844317	g/100cc
N-Propanol	0.0000	193867	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	108886	g/100cc
Ethanol	0.4079	185629	g/100cc
Acetone	0.0000	917270	g/100cc
Isopropyl Alcohol	0.0000	508583	g/100cc
N-Propanol	0.0000	210175	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 7/10/2024 1:28:05 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0801	0.0797	0.0004	0.0799	0.0011	0.0804
(g/100cc)	0.0811	0.0809	0.0002	0.0810		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL.GCM

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

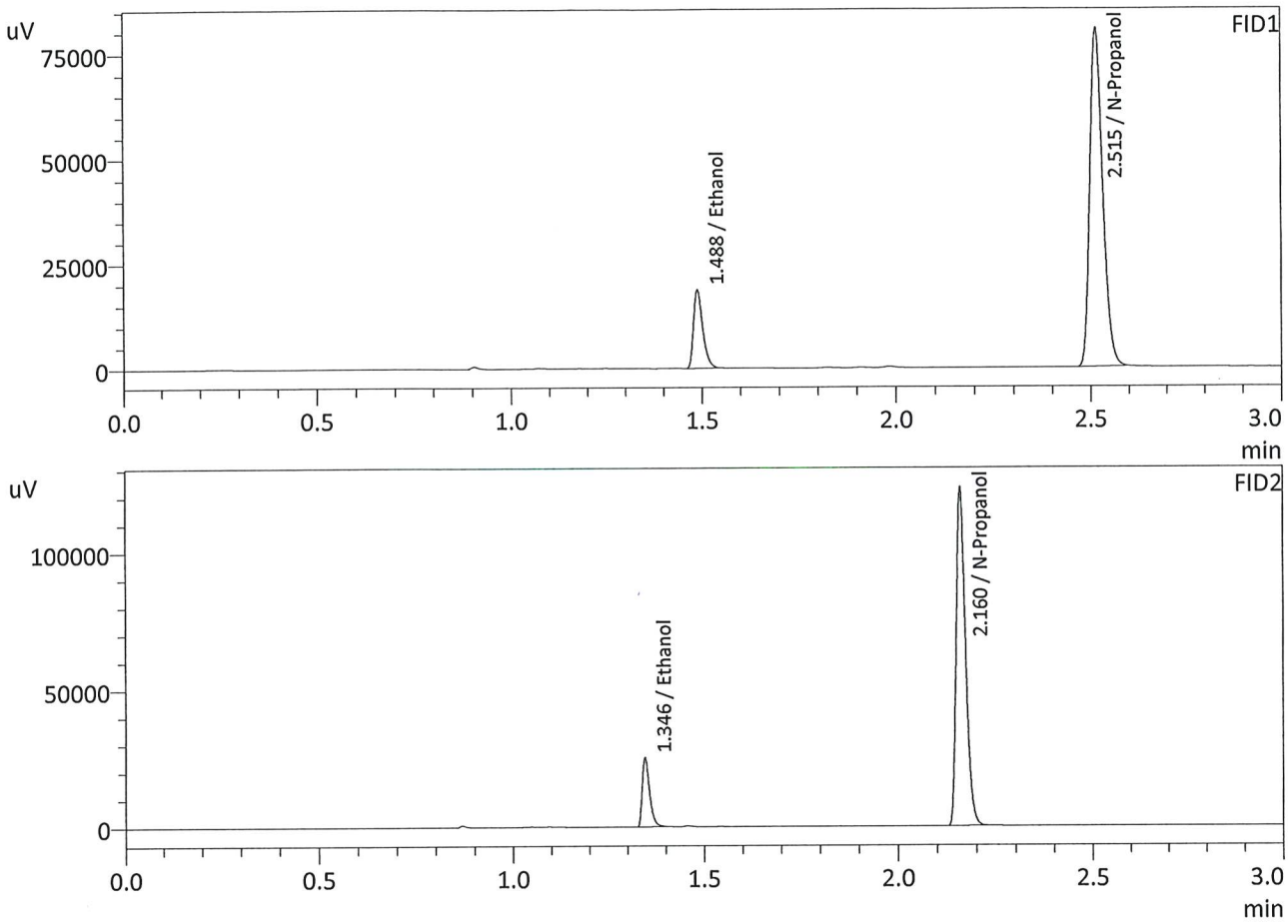
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results
0.080

Calibration and control data are stored centrally.

JC

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 7/10/2024 1:28:05 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

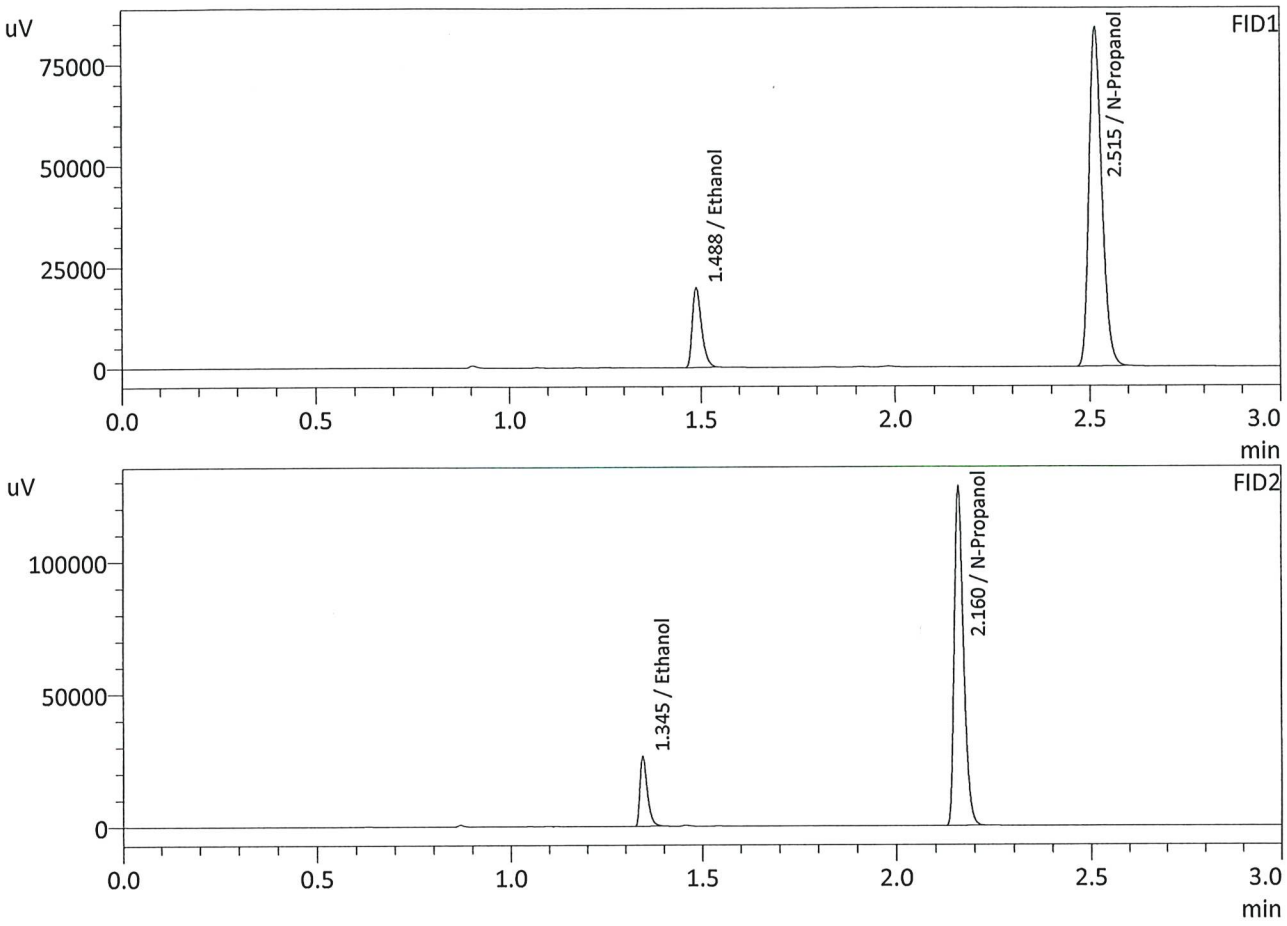
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0801	31043	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188420	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0797	33553	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204199	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 7/10/2024 1:36:48 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0811	32570	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195267	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0809	35274	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211473	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 7/10/2024 1:45:24 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0795	0.0792	0.0003	0.0793	0.0028	0.0807
(g/100cc)	0.0822	0.0820	0.0002	0.0821		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL.GCM

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

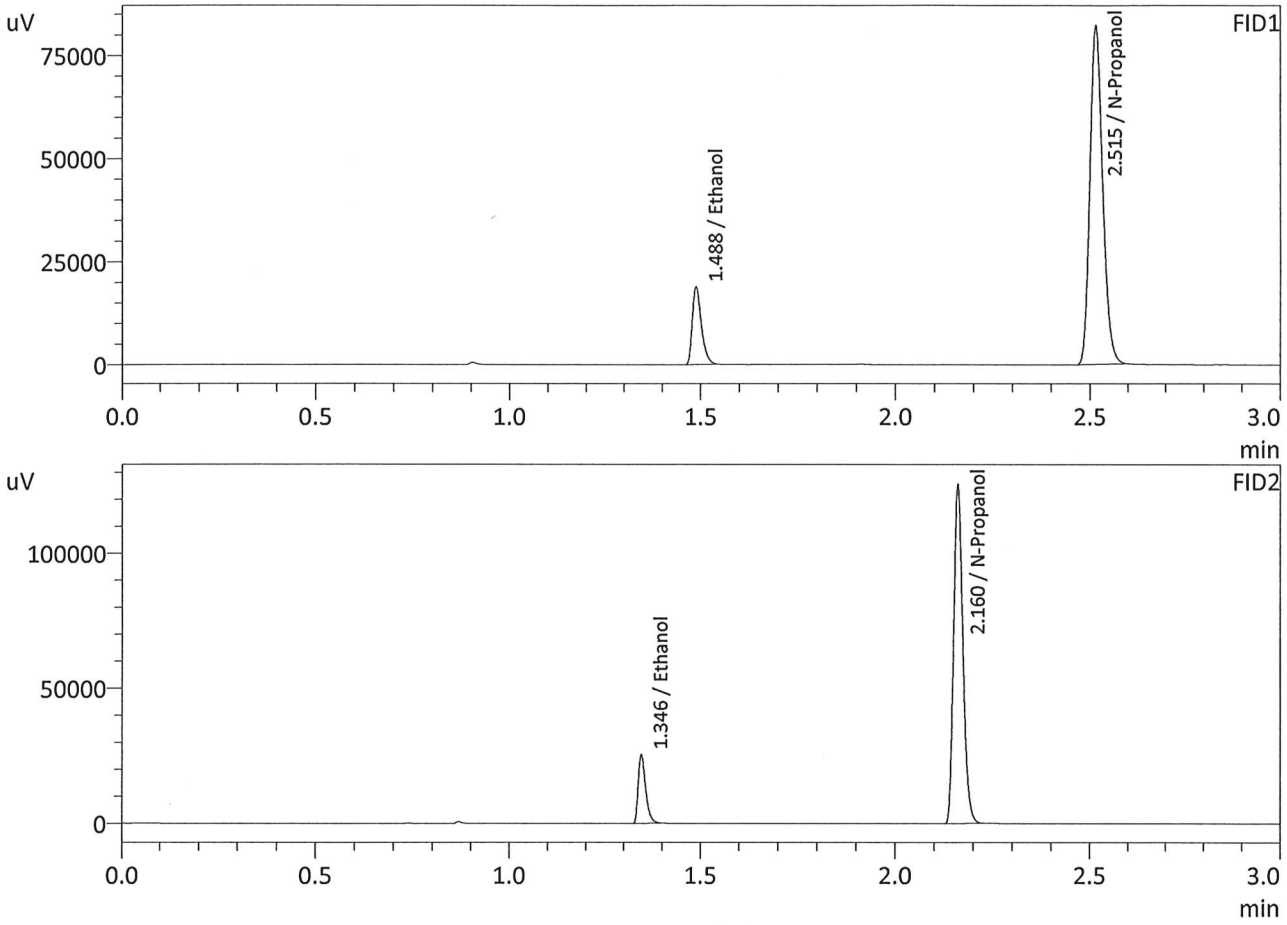
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results
0.080

Calibration and control data are stored centrally.

JG

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 7/10/2024 1:45:24 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

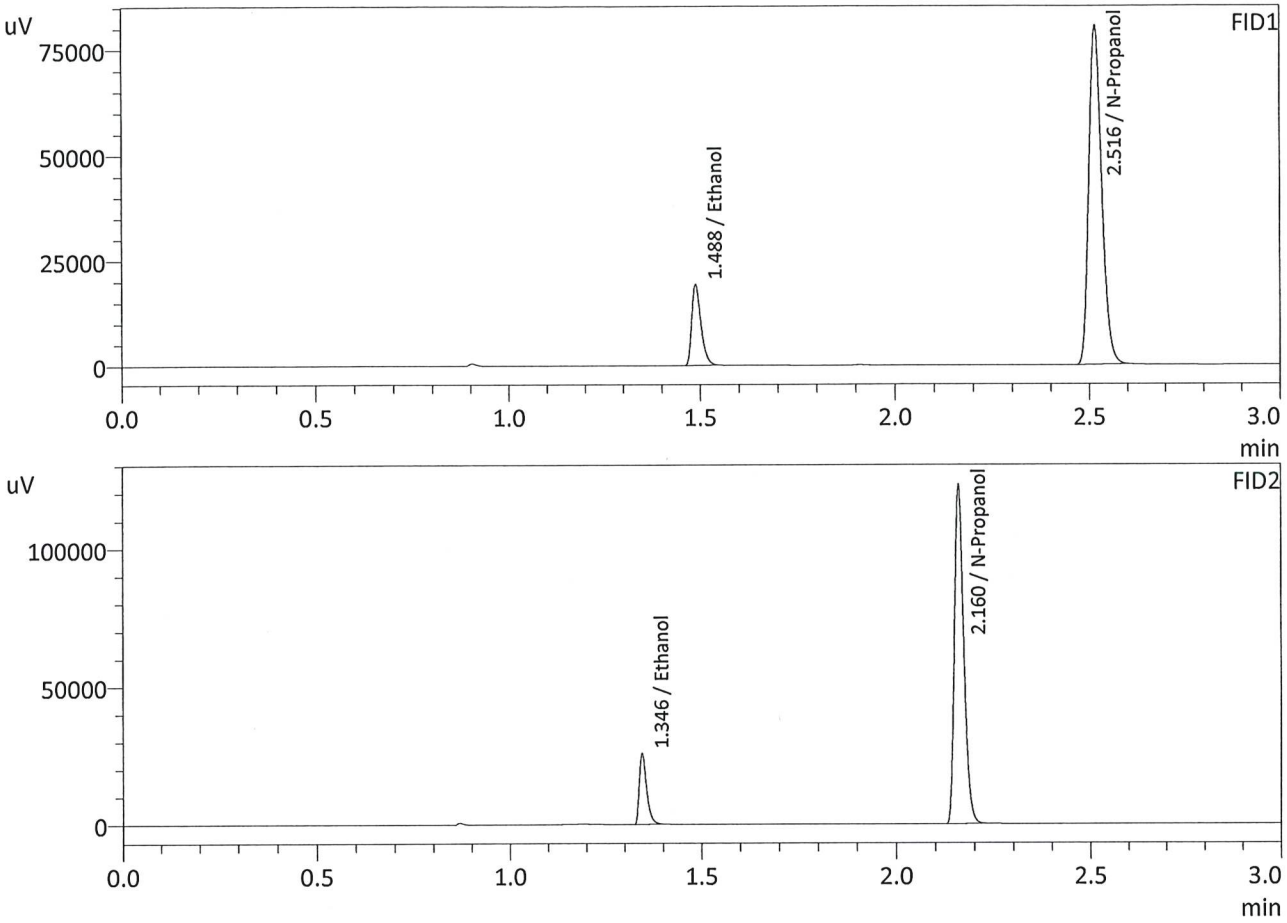
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0795	31360	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191887	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	33933	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207924	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 7/10/2024 1:52:52 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	31816	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188006	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	34436	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203538	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 7/10/2024 4:24:25 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	0.2112	0.0004	0.2114	0.0054	0.2087
(g/100cc)	0.2063	0.2057	0.0006	0.2060		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL.GCM

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

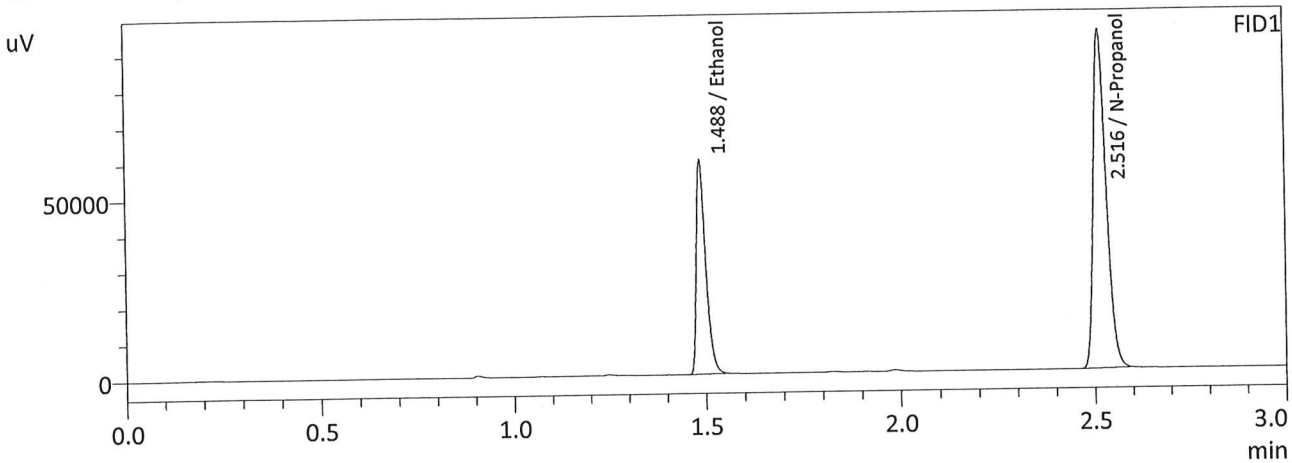
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.208	0.197	0.219	0.011

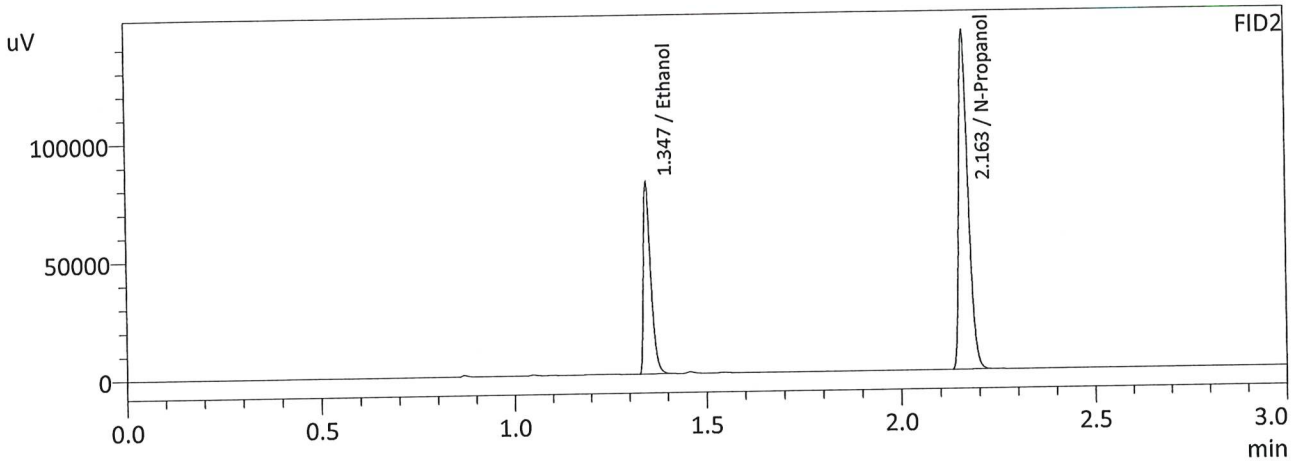
Reported Results
0.208

Calibration and control data are stored centrally.

JG

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 7/10/2024 4:24:25 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

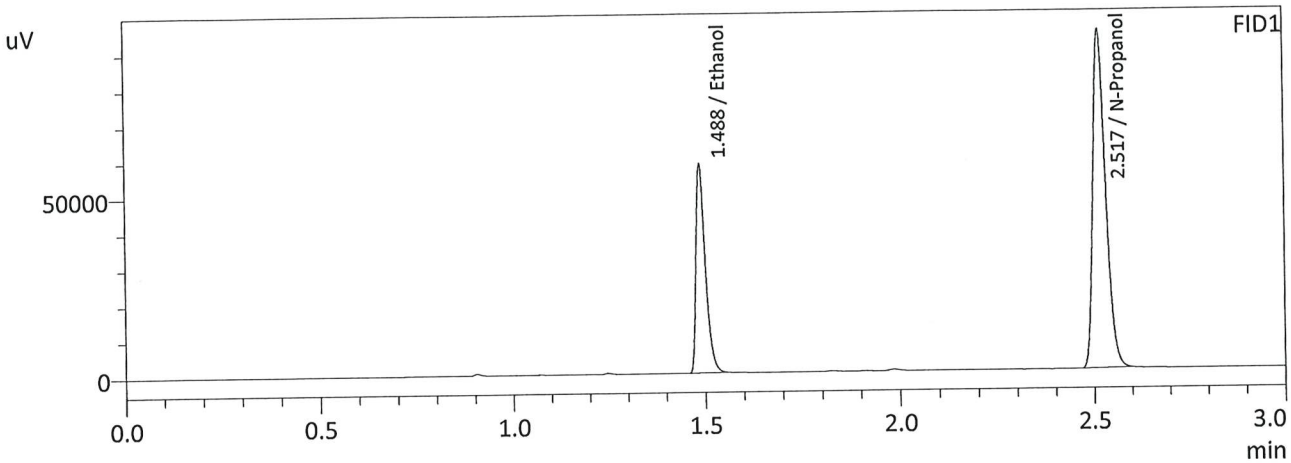
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2116	98922	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218950	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

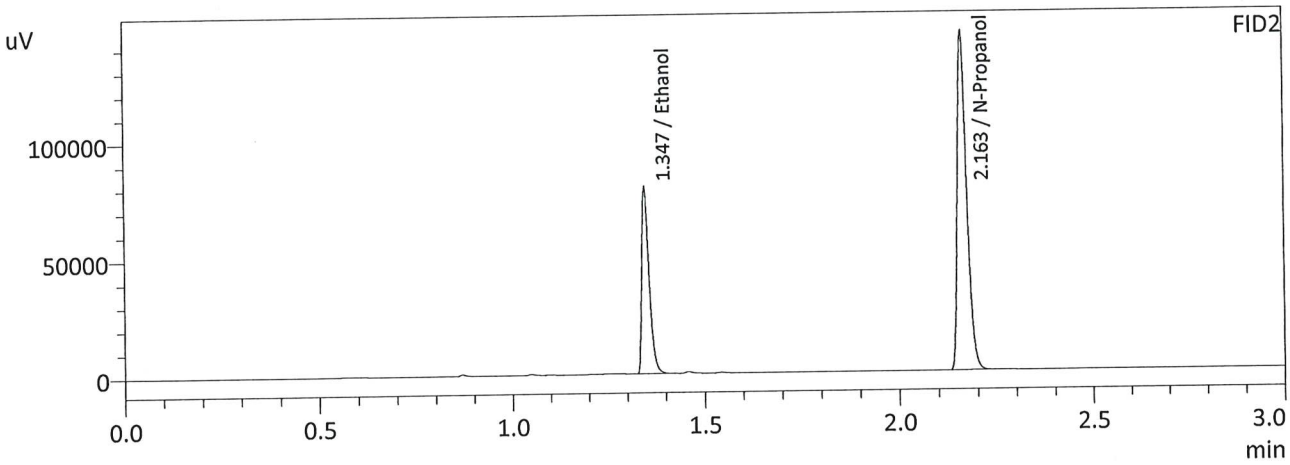
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2112	107589	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	237829	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 7/10/2024 4:32:30 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2063	97201	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220802	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2057	105475	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	239634	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 7/10/2024 7:20:38 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0822	0.0818	0.0004	0.0820	0.0015	0.0827
(g/100cc)	0.0837	0.0834	0.0003	0.0835		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL.GCM

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

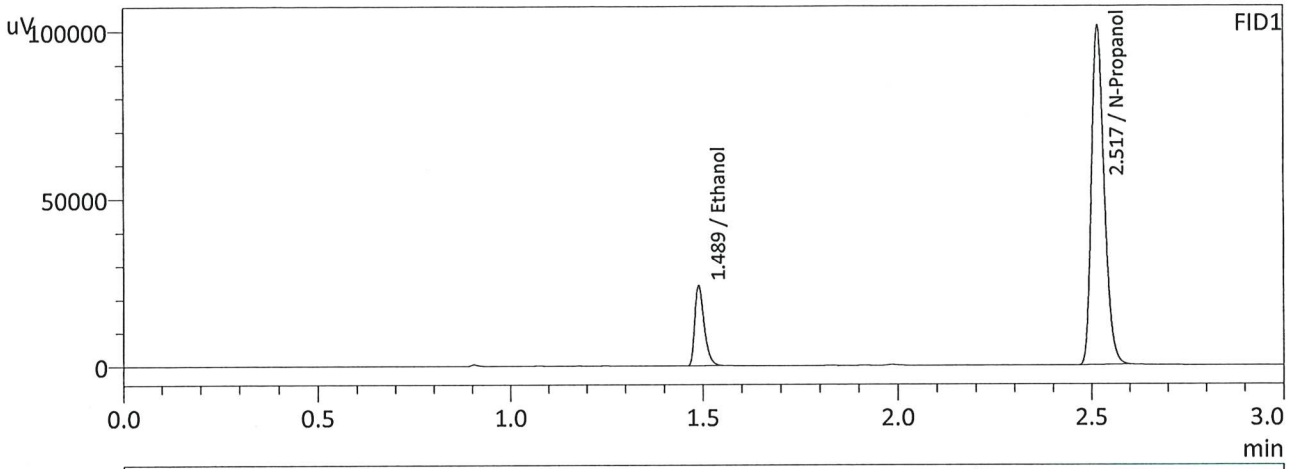
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

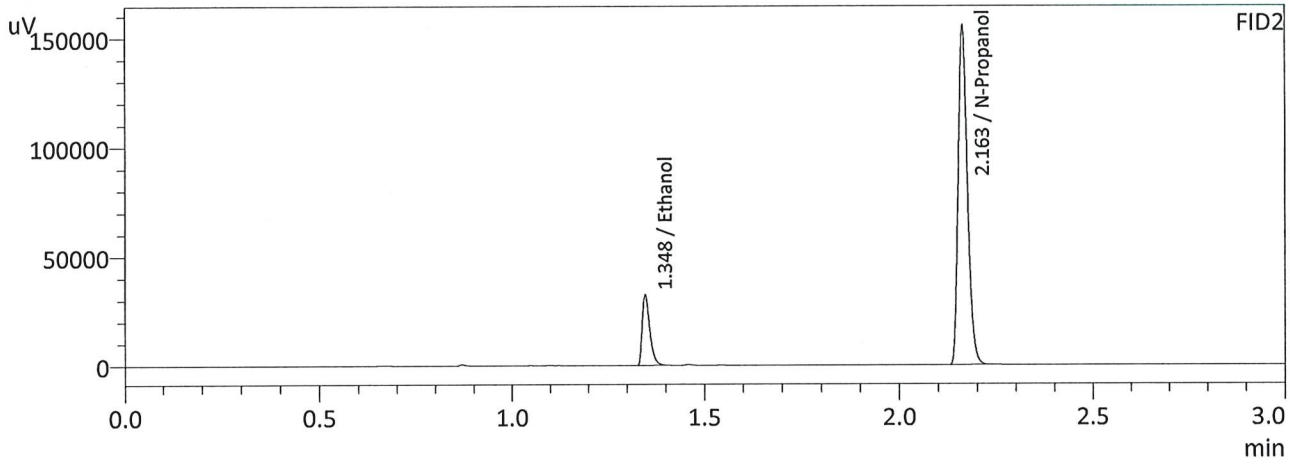
Reported Results
0.082

Calibration and control data are stored centrally.

JG

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 7/10/2024 7:20:38 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

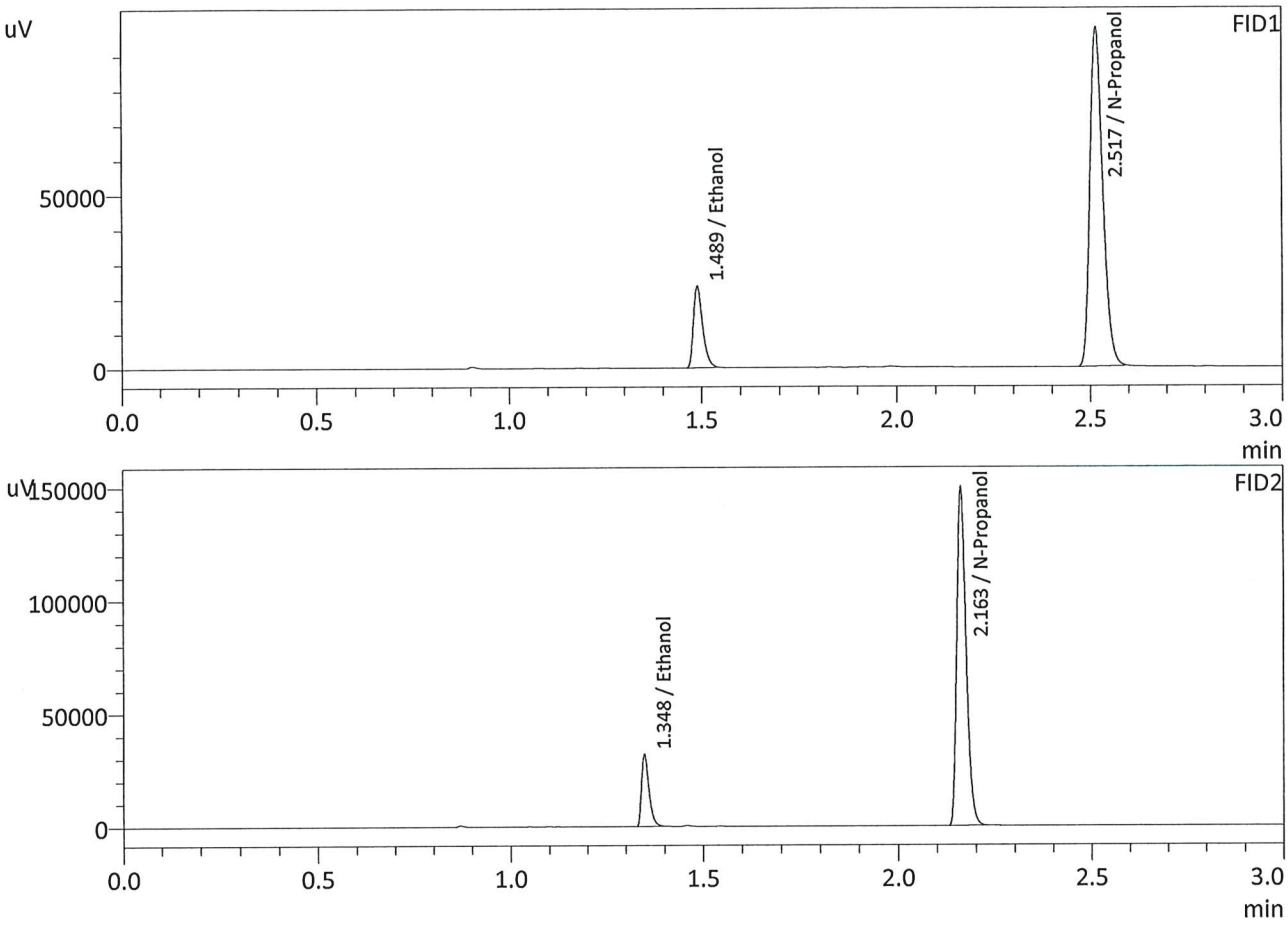
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	39998	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236366	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	43368	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	256921	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 7/10/2024 7:30:04 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	39357	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	228095	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0834	42667	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	247614	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 7/10/2024 9:14:58 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2051	0.2048	0.0003	0.2049	0.0024	0.2061
(g/100cc)	0.2076	0.2071	0.0005	0.2073		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL.GCM

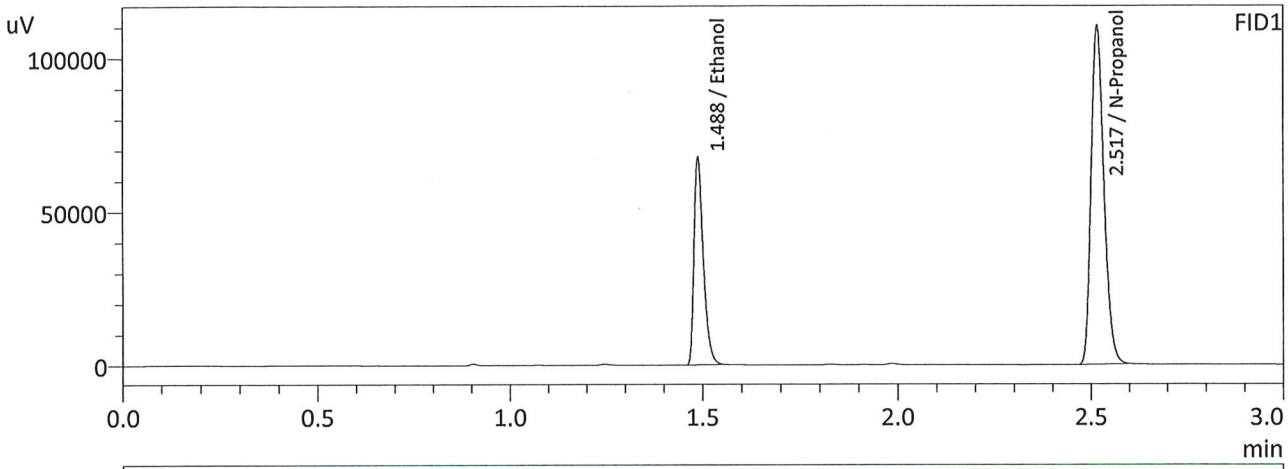
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

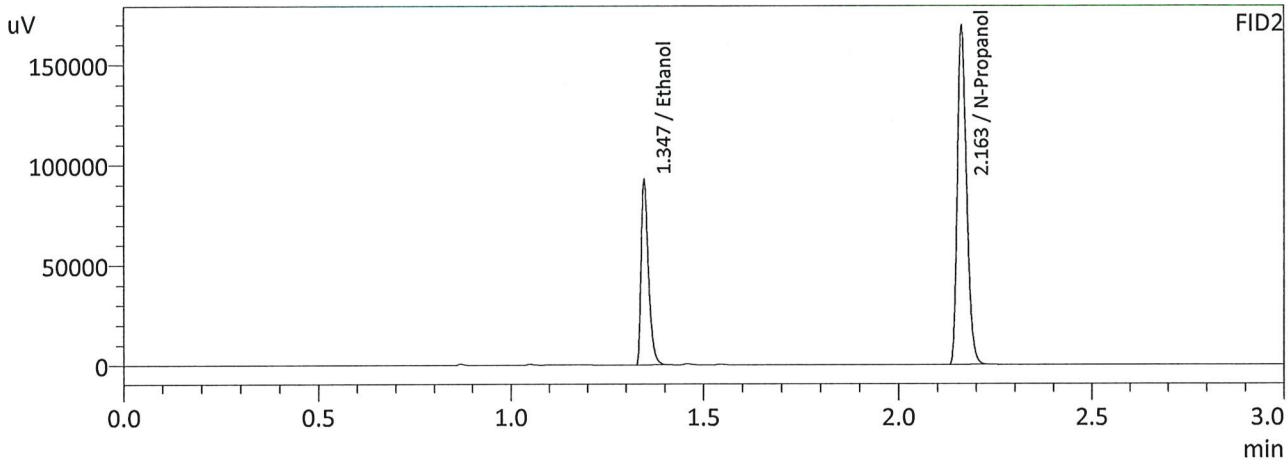
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.206	0.195	0.217	0.011

Reported Results
0.206

Calibration and control data are stored centrally.

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 7/10/2024 9:14:58 PM
Vial # : 61
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

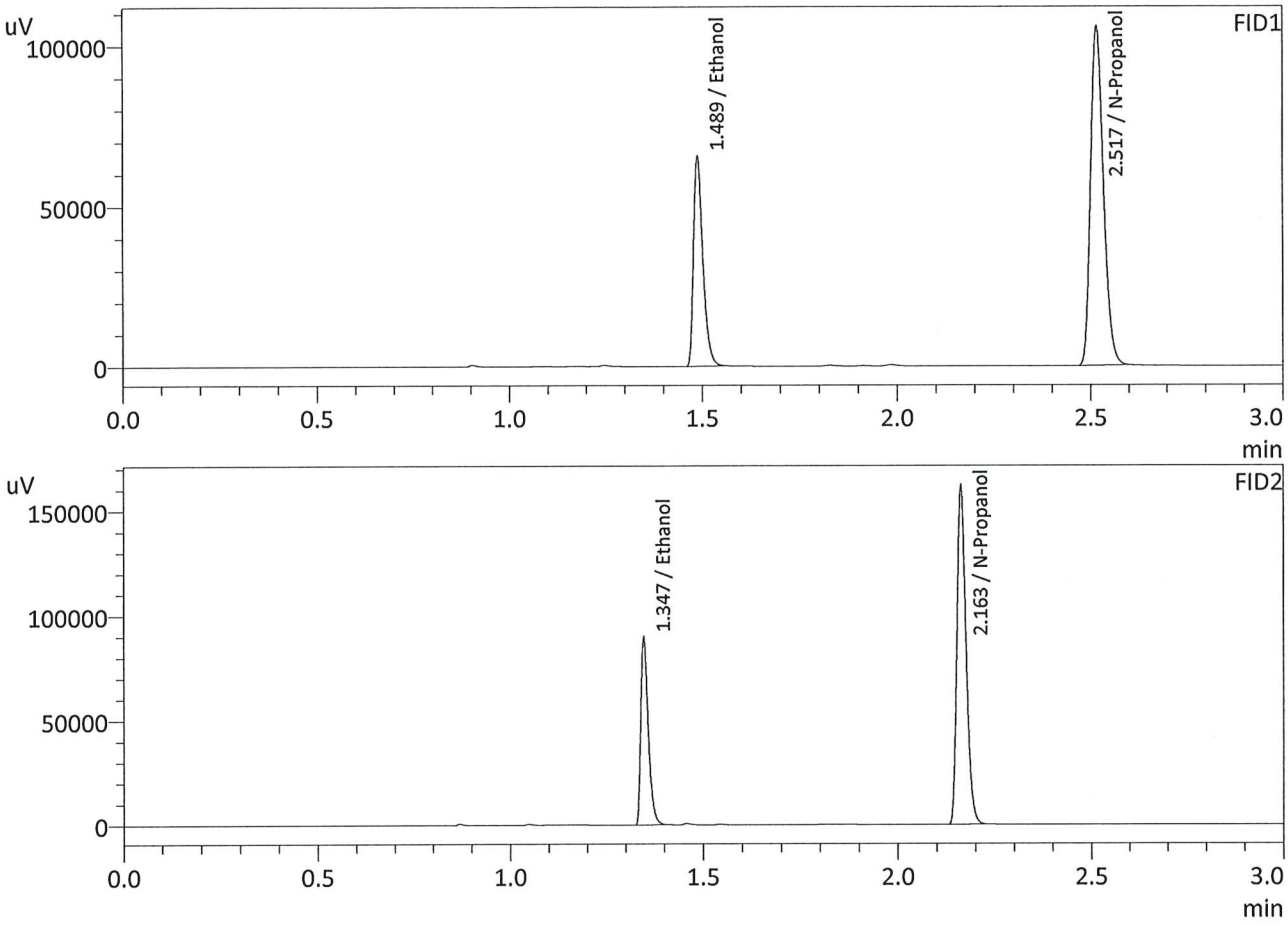
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2051	112547	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	257207	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2048	122326	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	279173	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 7/10/2024 9:22:28 PM
Vial # : 62
Method Filename : Default Project - ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

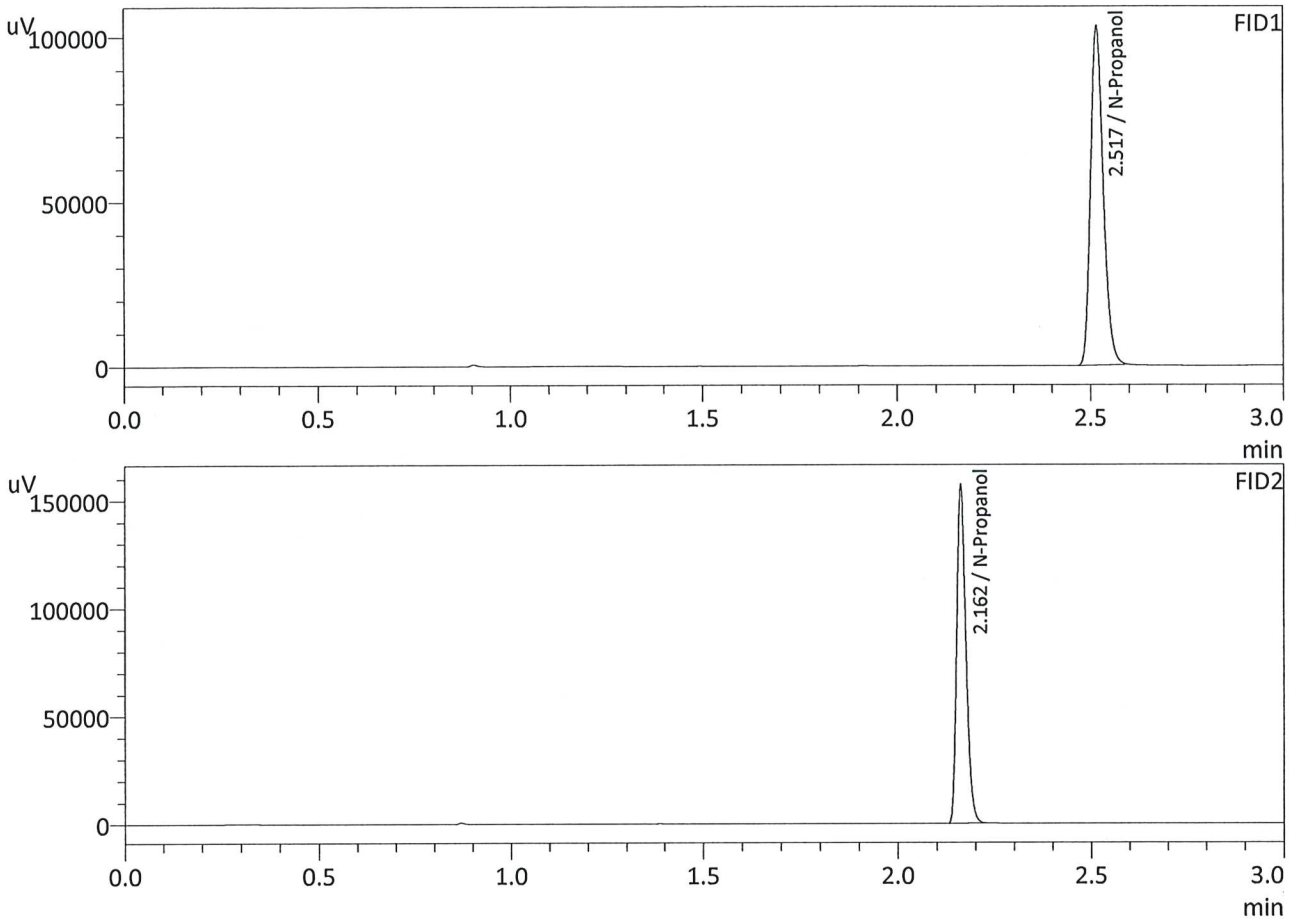
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2076	109074	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	246182	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2071	118522	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	267356	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : ISTD BLK 2
Laboratory : Meridian
Injection Date : 7/10/2024 9:31:31 PM
Vial # : 63
Method Filename : Default Project - ALCOHOL.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	239608	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	259725	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

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.GCM
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL.GCM
3	QC-1-1	0:Unknown	0	ALCOHOL.GCM
4	QC-1-1-B	0:Unknown	0	ALCOHOL.GCM
5	0.08 QA	0:Unknown	0	ALCOHOL.GCM
6	0.08 QA-B	0:Unknown	0	ALCOHOL.GCM
7	M2024-2603-1	0:Unknown	0	ALCOHOL.GCM
8	M2024-2603-1-B	0:Unknown	0	ALCOHOL.GCM
9	M2024-2604-1	0:Unknown	0	ALCOHOL.GCM
10	M2024-2604-1-B	0:Unknown	0	ALCOHOL.GCM
11	M2024-2617-1	0:Unknown	0	ALCOHOL.GCM
12	M2024-2617-1-B	0:Unknown	0	ALCOHOL.GCM
13	M2024-2636-1	0:Unknown	0	ALCOHOL.GCM
14	M2024-2636-1-B	0:Unknown	0	ALCOHOL.GCM
15	M2024-2641-3	0:Unknown	0	ALCOHOL.GCM
16	M2024-2641-3-B	0:Unknown	0	ALCOHOL.GCM
17	M2024-2649-1	0:Unknown	0	ALCOHOL.GCM
18	M2024-2649-1-B	0:Unknown	0	ALCOHOL.GCM
19	M2024-2673-1	0:Unknown	0	ALCOHOL.GCM
20	M2024-2673-1-B	0:Unknown	0	ALCOHOL.GCM
21	M2024-2682-3	0:Unknown	0	ALCOHOL.GCM
22	M2024-2682-3-B	0:Unknown	0	ALCOHOL.GCM
23	M2024-2685-1	0:Unknown	0	ALCOHOL.GCM
24	M2024-2685-1-B	0:Unknown	0	ALCOHOL.GCM
25	QC-2-1	0:Unknown	0	ALCOHOL.GCM
26	QC-2-1-B	0:Unknown	0	ALCOHOL.GCM
27	M2024-2686-1	0:Unknown	0	ALCOHOL.GCM
28	M2024-2686-1-B	0:Unknown	0	ALCOHOL.GCM
29	M2024-2709-1	0:Unknown	0	ALCOHOL.GCM
30	M2024-2709-1-B	0:Unknown	0	ALCOHOL.GCM
31	M2024-2710-1	0:Unknown	0	ALCOHOL.GCM
32	M2024-2710-1-B	0:Unknown	0	ALCOHOL.GCM
33	M2024-2711-1	0:Unknown	0	ALCOHOL.GCM
34	M2024-2711-1-B	0:Unknown	0	ALCOHOL.GCM
35	M2024-2712-1	0:Unknown	0	ALCOHOL.GCM
36	M2024-2712-1-B	0:Unknown	0	ALCOHOL.GCM
37	M2024-2723-1	0:Unknown	0	ALCOHOL.GCM
38	M2024-2723-1-B	0:Unknown	0	ALCOHOL.GCM
39	M2024-2734-1	0:Unknown	0	ALCOHOL.GCM
40	M2024-2734-1-B	0:Unknown	0	ALCOHOL.GCM
41	M2024-2735-1	0:Unknown	0	ALCOHOL.GCM
42	M2024-2735-1-B	0:Unknown	0	ALCOHOL.GCM
43	M2024-2736-1	0:Unknown	0	ALCOHOL.GCM
44	M2024-2736-1-B	0:Unknown	0	ALCOHOL.GCM
45	M2024-2744-1	0:Unknown	0	ALCOHOL.GCM
46	M2024-2744-1-B	0:Unknown	0	ALCOHOL.GCM
47	QC-1-2	0:Unknown	0	ALCOHOL.GCM
48	QC-1-2-B	0:Unknown	0	ALCOHOL.GCM
49	M2024-2745-1	0:Unknown	0	ALCOHOL.GCM
50	M2024-2745-1-B	0:Unknown	0	ALCOHOL.GCM
51	M2024-2746-1	0:Unknown	0	ALCOHOL.GCM
52	M2024-2746-1-B	0:Unknown	0	ALCOHOL.GCM
53	M2024-2766-1	0:Unknown	0	ALCOHOL.GCM
54	M2024-2766-1-B	0:Unknown	0	ALCOHOL.GCM
55	M2024-2767-1	0:Unknown	0	ALCOHOL.GCM
56	M2024-2767-1-B	0:Unknown	0	ALCOHOL.GCM
57	M2024-2768-1	0:Unknown	0	ALCOHOL.GCM
58	M2024-2768-1-B	0:Unknown	0	ALCOHOL.GCM
59	M2024-2769-1	0:Unknown	0	ALCOHOL.GCM

JC

Vial#	Sample Name	Sample Type	Level#	Method File
60	M2024-2769-1-B	0:Unknown	0	ALCOHOL.GCM
61	QC-2-2	0:Unknown	0	ALCOHOL.GCM
62	QC-2-2-B	0:Unknown	0	ALCOHOL.GCM
63	ISTD BLK 2	0:Unknown	0	ALCOHOL.GCM

JG