REVIEWED
By Jeremy Johnston at 2:54 pm, Dec 07, 2022

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): 12/5/22

Calibration Date: *(if different)* 11/22/22

Worklist #: 6177

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0776 g/100cc
					0.0818 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2199 g/100cc
					0.2197 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		Column 1	0.99981	Column2	0.99982

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0474	0.0476	0.0002	0.0475
100	0.100	0.090 - 0.110	0.0996	0.0994	0.0002	0.0995
200	0.200	0.180 - 0.220	0.2033	0.2032	0.0001	0.2032
300	0.300	0.270 - 0.330	0.3014	0.3015	1E-04	0.3014
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.4981	0.4980	1E-04	0.498

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.077 g/100cc

JC

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

Internal Standard Monitoring Worksheet

Worklist #:	6177	Run Date(s):	12/5/22

Internal Standard Solution:	Prep Date: 8/31/2022	Exp Date: 2/31/23

Sample Name	Column 1 Value	Column 2 Value
0.080	188394	205139
0.080	191206	208236
QC1	189504	206338
QC1	188055	204794
QC1	230297	251183
QC1	237568	259220
QC1		
QC1		
QC2	206714	225063
QC2	215883	235088
QC2	225586	245864
QC2	232989	254072
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	210619.6	168495.7	252743.5
Column 2	229499.7	183599.8	275399.6

JG

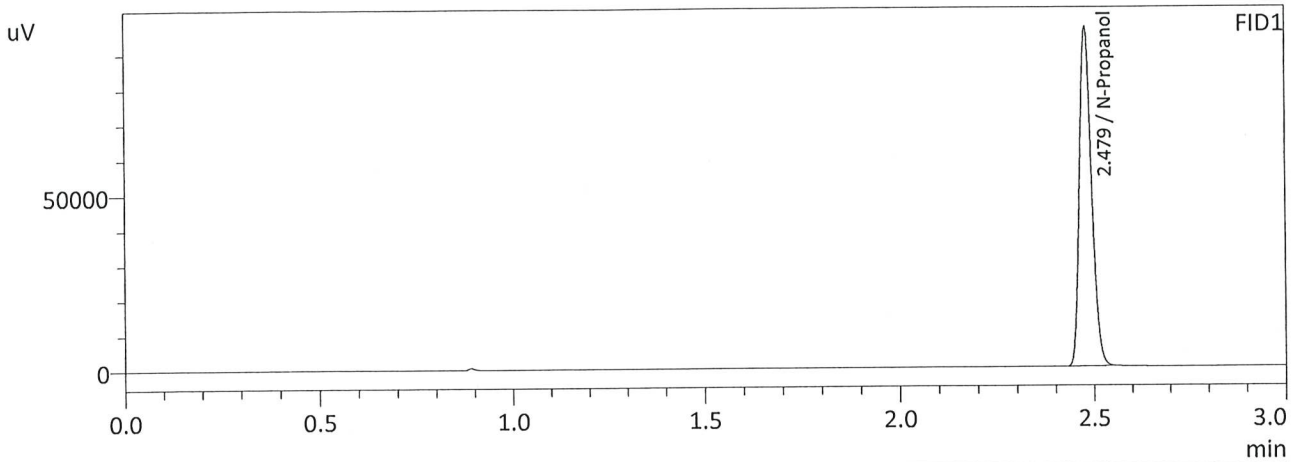
Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

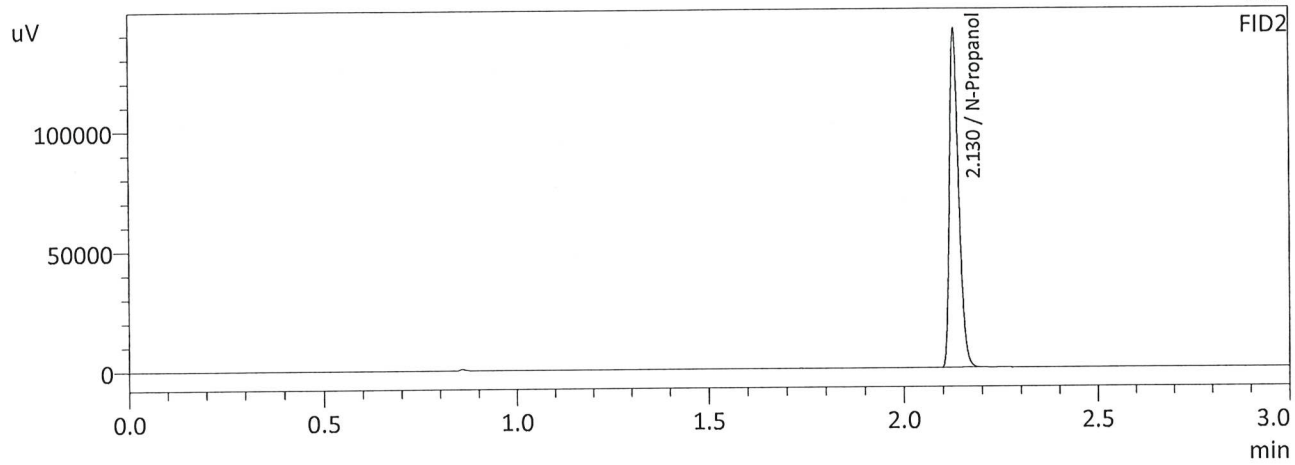
Worklist: 6177

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2022-4832	1	BCK	Alcohol Analysis
M2022-4887	1	BCK	Alcohol Analysis
M2022-4888	1	BCK	Alcohol Analysis
M2022-4889	1	BCK	Alcohol Analysis
M2022-4897	1	BCK	Alcohol Analysis
M2022-4914	1	BCK	Alcohol Analysis
M2022-4951	1	BCK	Alcohol Analysis
M2022-4964	1	BCK	Alcohol Analysis
M2022-4968	1	BCK	Alcohol Analysis
M2022-4969	1	BCK	Alcohol Analysis
M2022-5019	1	BCK	Alcohol Analysis
M2022-5020	1	BCK	Alcohol Analysis
M2022-5027	1	BCK	Alcohol Analysis
M2022-5028	1	BCK	Alcohol Analysis
M2022-5029	1	BCK	Alcohol Analysis
M2022-5030	1	BCK	Alcohol Analysis
M2022-5039	1	BCK	Alcohol Analysis
P2022-3211	1	BCK	Alcohol Analysis
P2022-3610	1	BCK	Alcohol Analysis

JC

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 12/5/2022 3:57:07 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\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	213997	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	232949	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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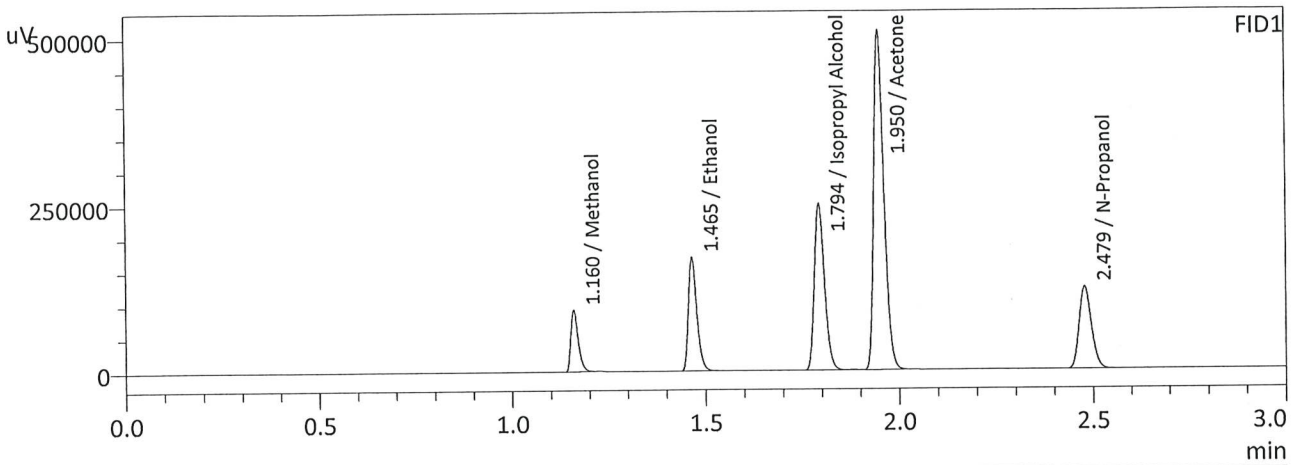
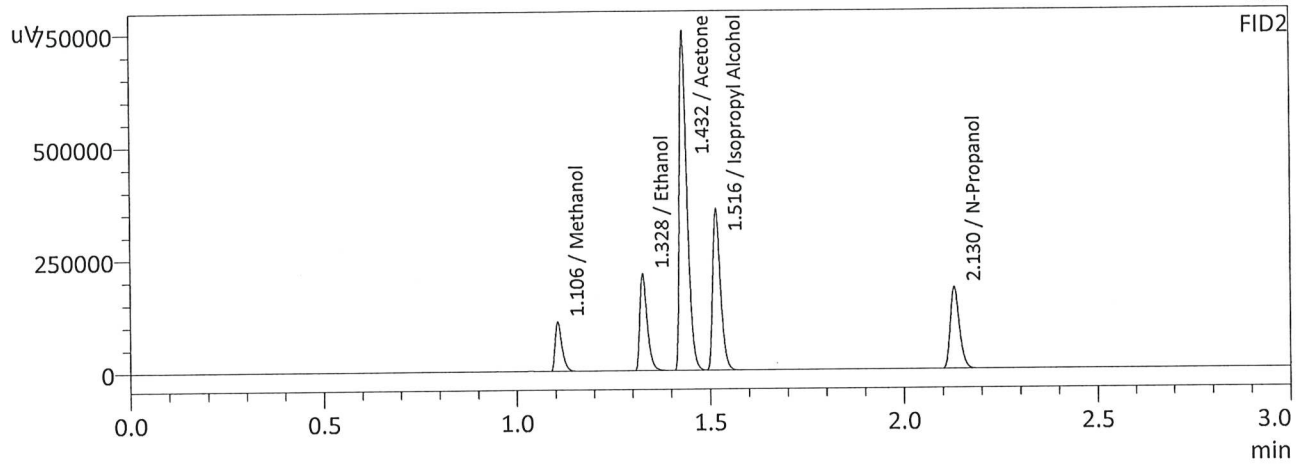
Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 12/5/2022 4:04:30 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	123687	g/100cc
Ethanol	0.4491	259533	g/100cc
Isopropyl Alcohol	0.0000	456568	g/100cc
Acetone	0.0000	935432	g/100cc
N-Propanol	0.0000	271640	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	135719	g/100cc
Ethanol	0.4526	282488	g/100cc
Acetone	0.0000	1008349	g/100cc
Isopropyl Alcohol	0.0000	493896	g/100cc
N-Propanol	0.0000	294183	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Item #** **Analysis Date(s): 12/5/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0770	0.0768	0.0002	0.0769	0.0014	0.0776
(g/100cc)	0.0784	0.0782	0.0002	0.0783		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

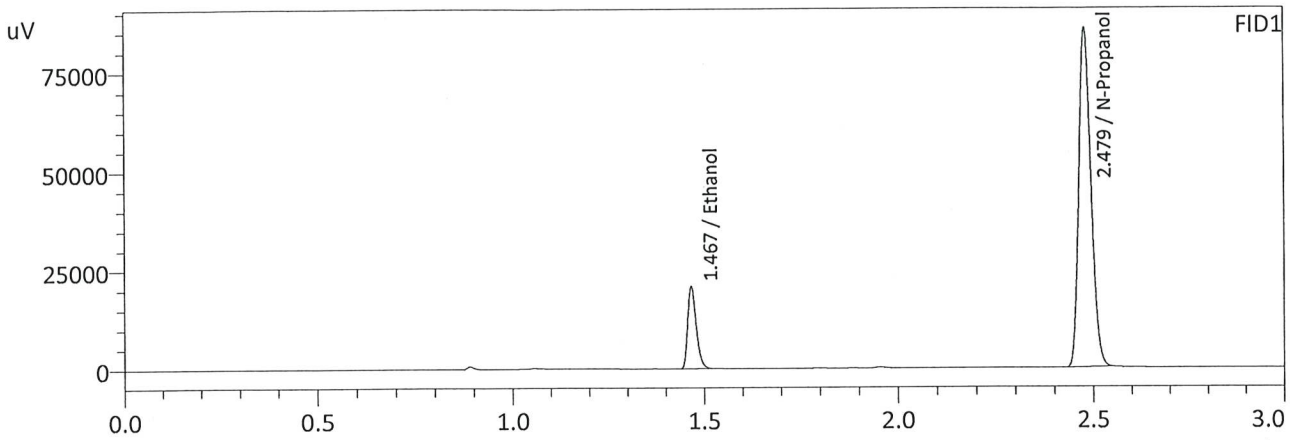
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

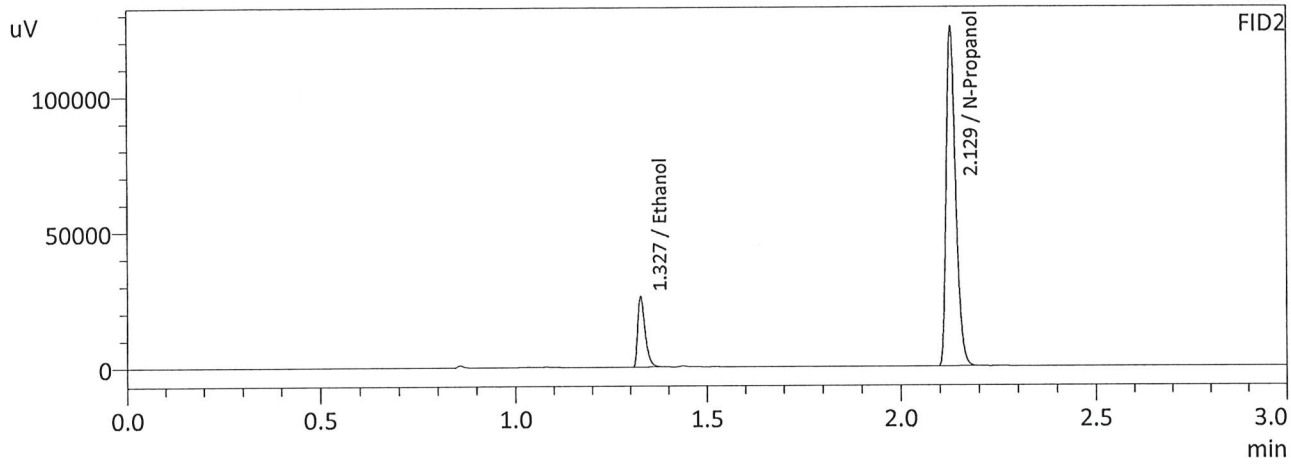
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 12/5/2022 4:11:57 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0770	32057	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189504	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0768	34641	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206338	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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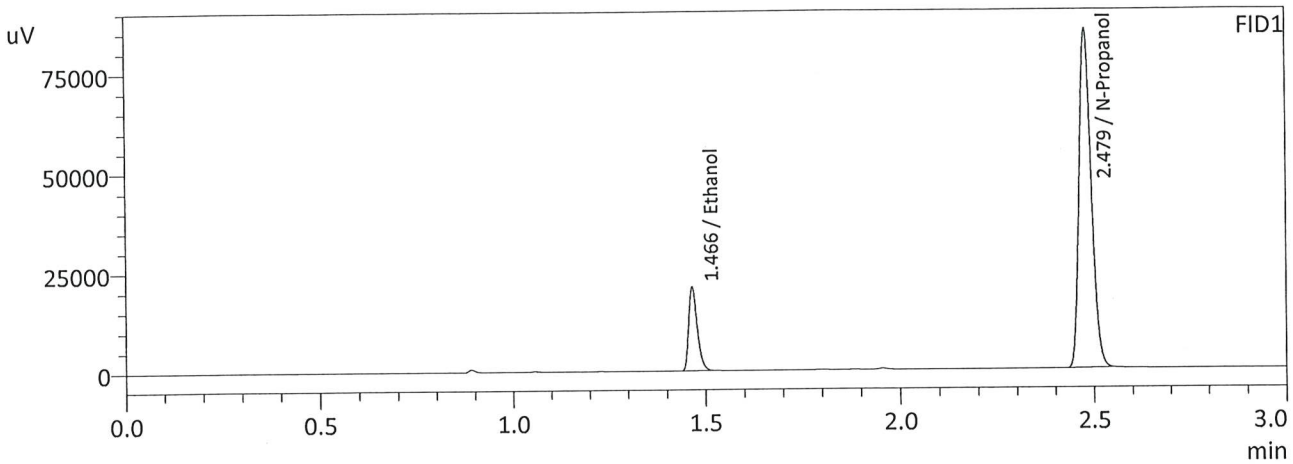
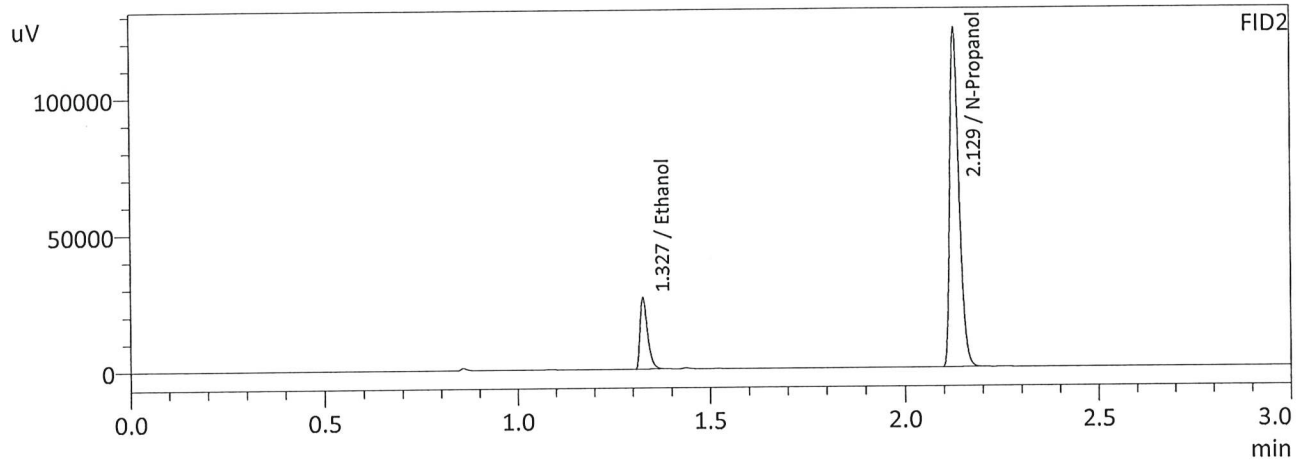
Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 12/5/2022 4:20:46 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0784	32347	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188055	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0782	34978	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204794	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QA 0.080 **Item #** **Analysis Date(s): 12/5/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0800	0.0798	0.0002	0.0799	0.0039	0.0779
(g/100cc)	0.0762	0.0759	0.0003	0.0760		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

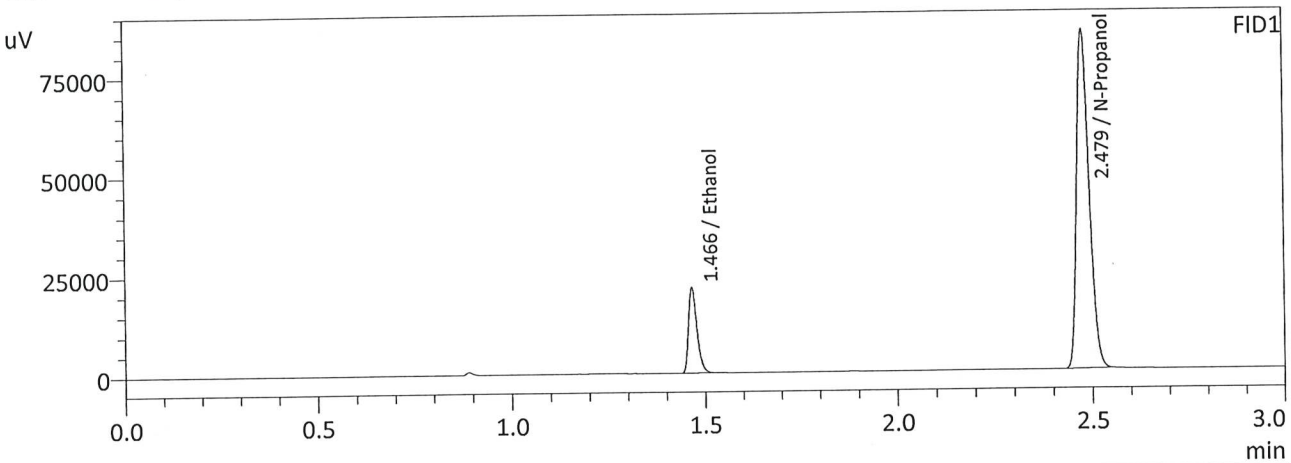
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

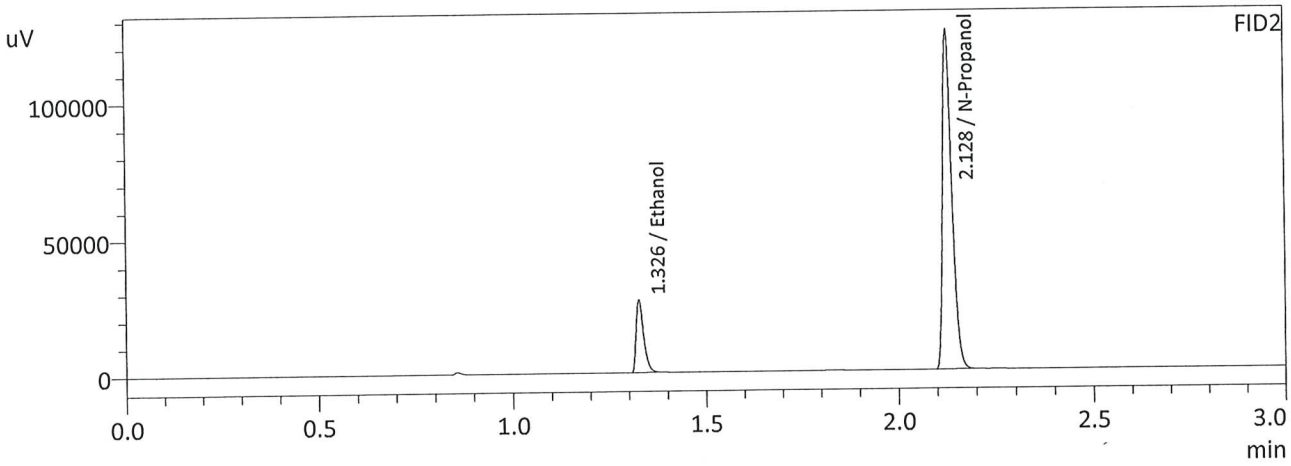
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 12/5/2022 4:28:09 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

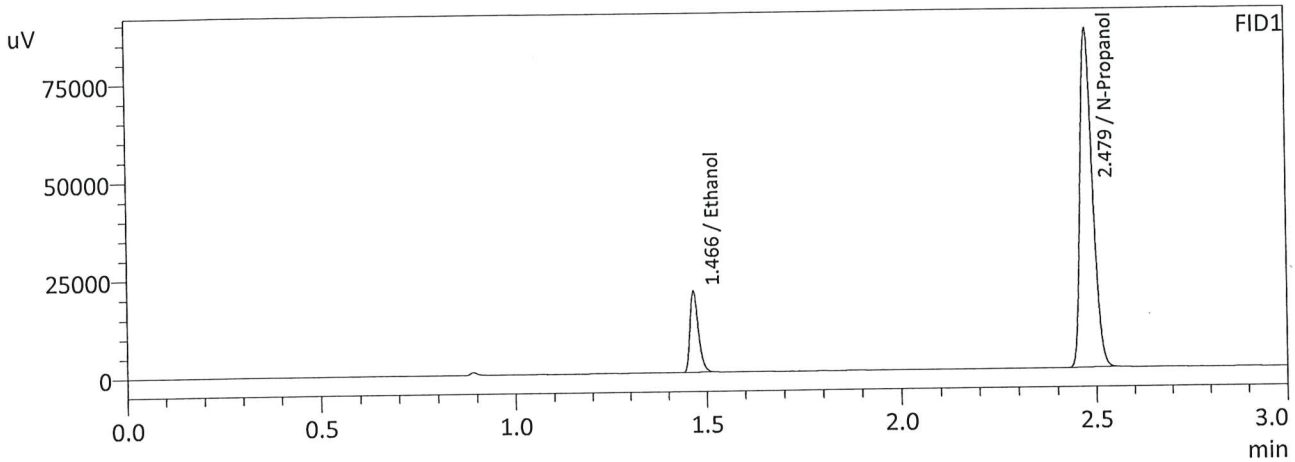
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0800	33048	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188394	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

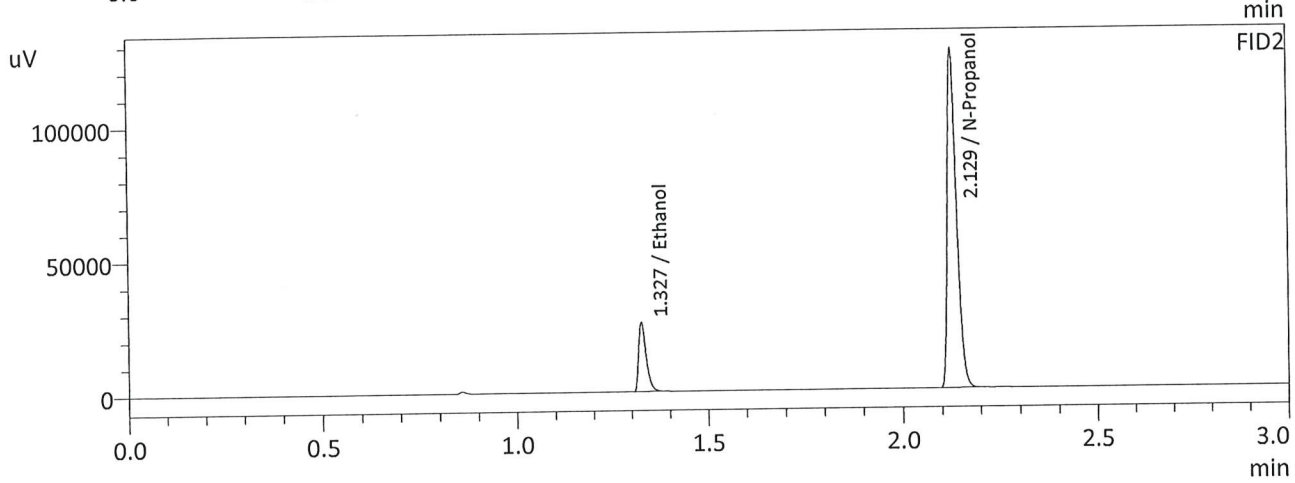
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0798	35720	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205139	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 12/5/2022 4:36:46 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0762	32008	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191206	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0759	34536	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208236	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Item #** **Analysis Date(s): 12/5/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2213	0.2216	0.0003	0.2214	0.0030	0.2199
(g/100cc)	0.2183	0.2186	0.0003	0.2184		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

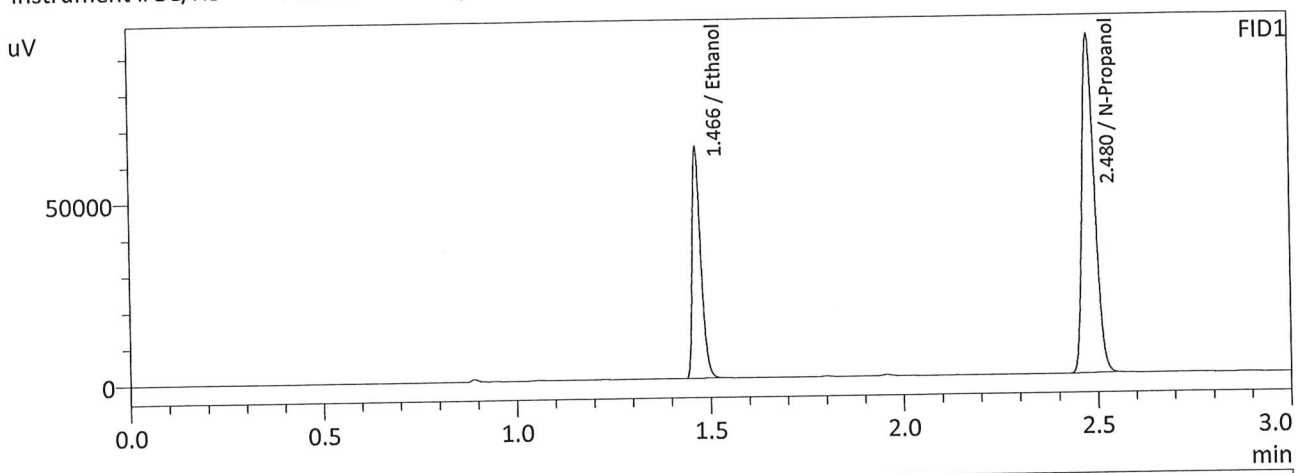
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

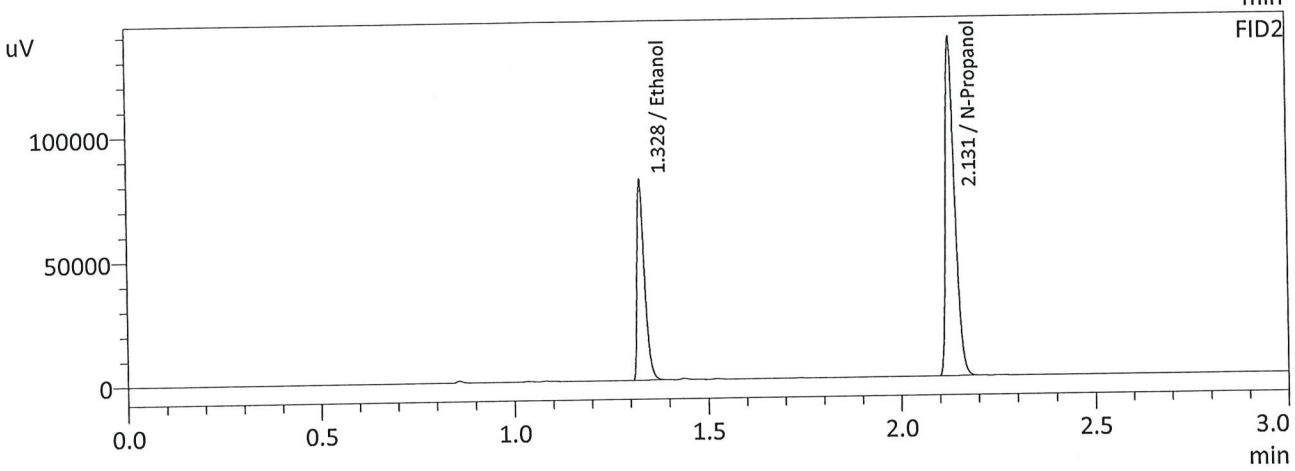
Overall Mean (g/100cc)	Low	High	5% of Mean
0.219	0.208	0.230	0.011

	Reported Result	
	0.219	

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 12/5/2022 7:12:42 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

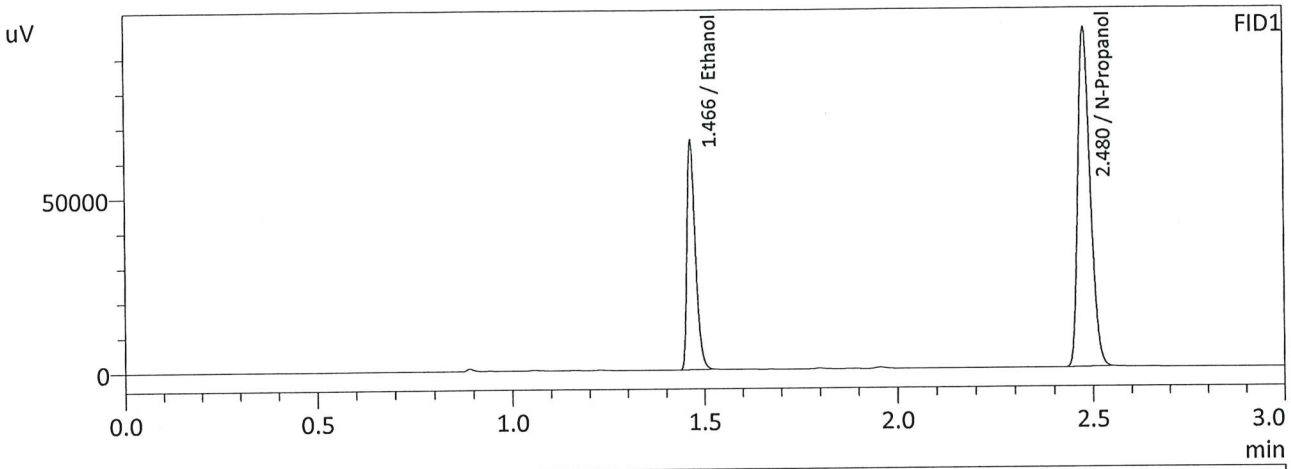
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2213	97996	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	206714	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

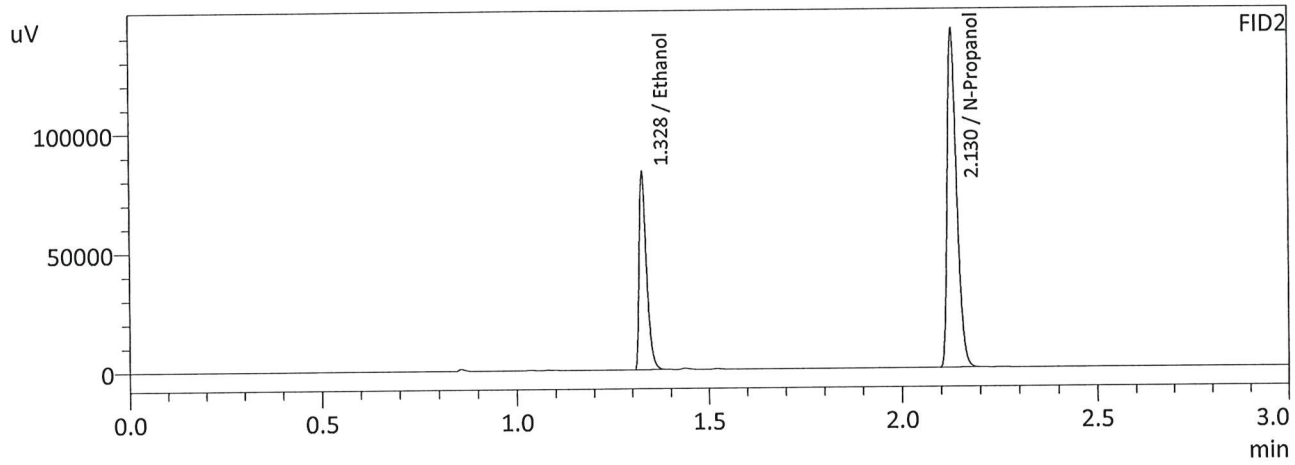
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2216	106516	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225063	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 12/5/2022 7:20:42 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2183	100963	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	215883	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2186	109737	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	235088	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Item #** **Analysis Date(s): 12/5/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0820	0.0822	0.0002	0.0821	0.0006	0.0818
(g/100cc)	0.0814	0.0816	0.0002	0.0815		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

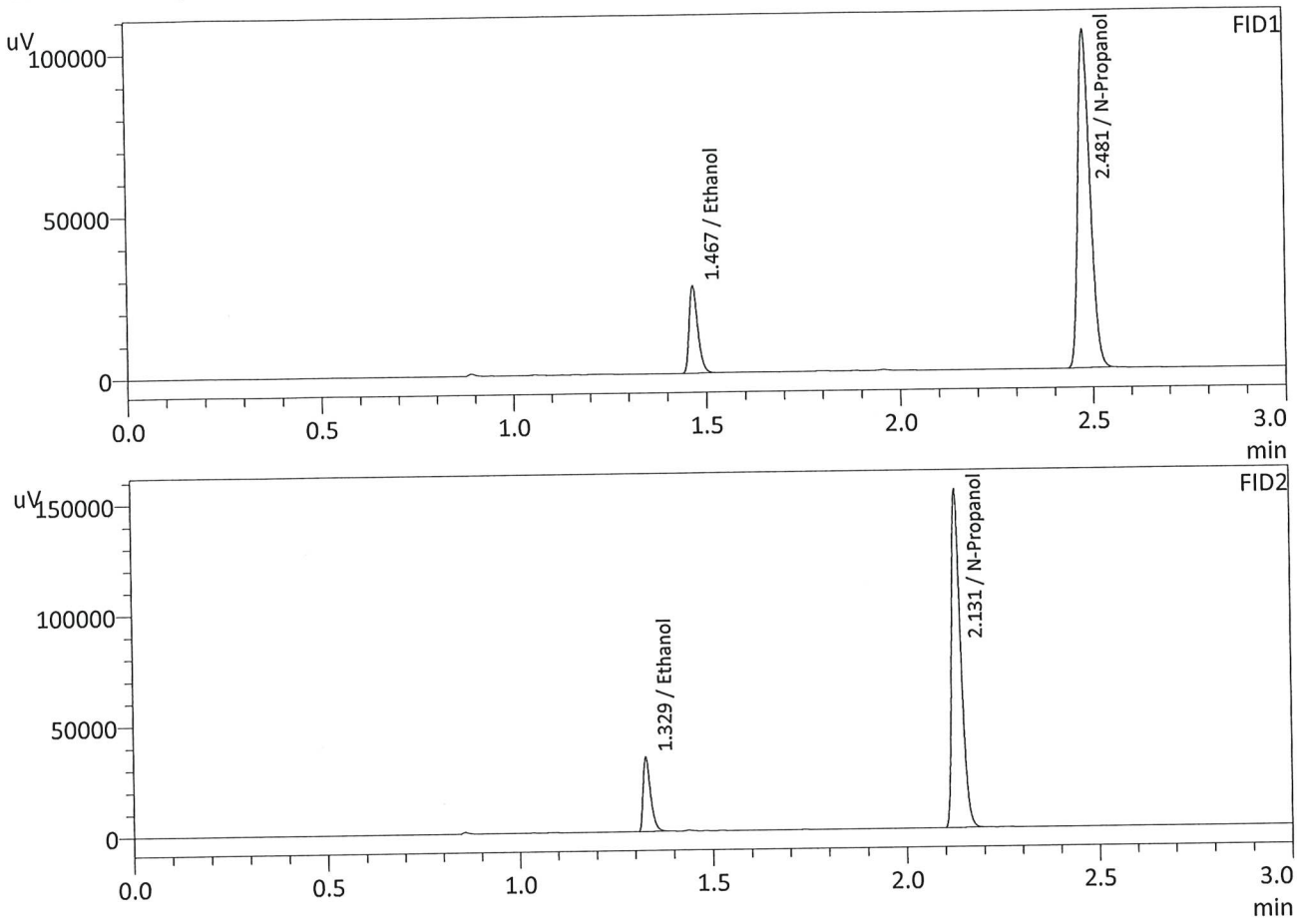
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 12/5/2022 10:13:25 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

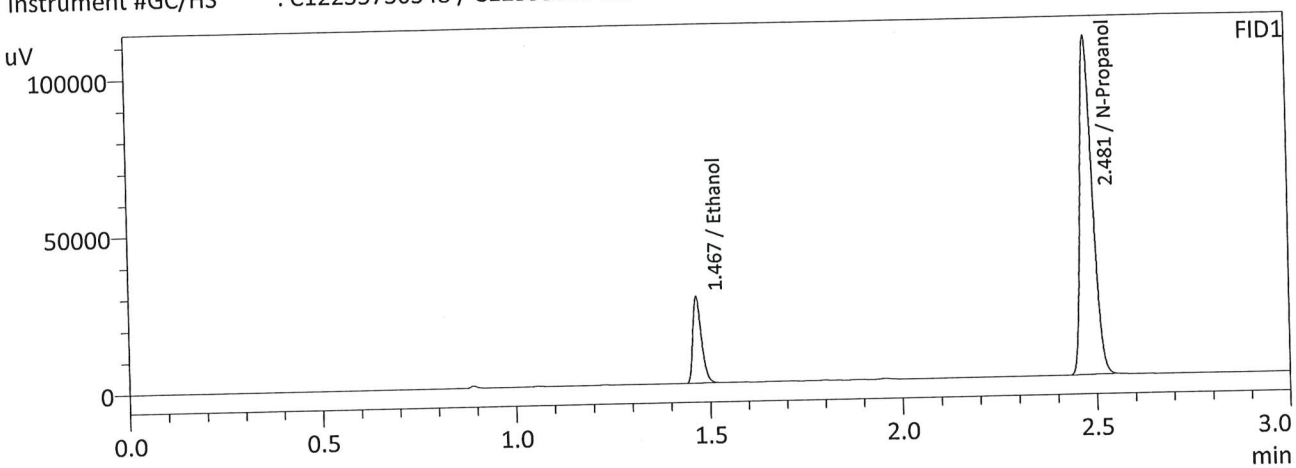
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	41405	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230297	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

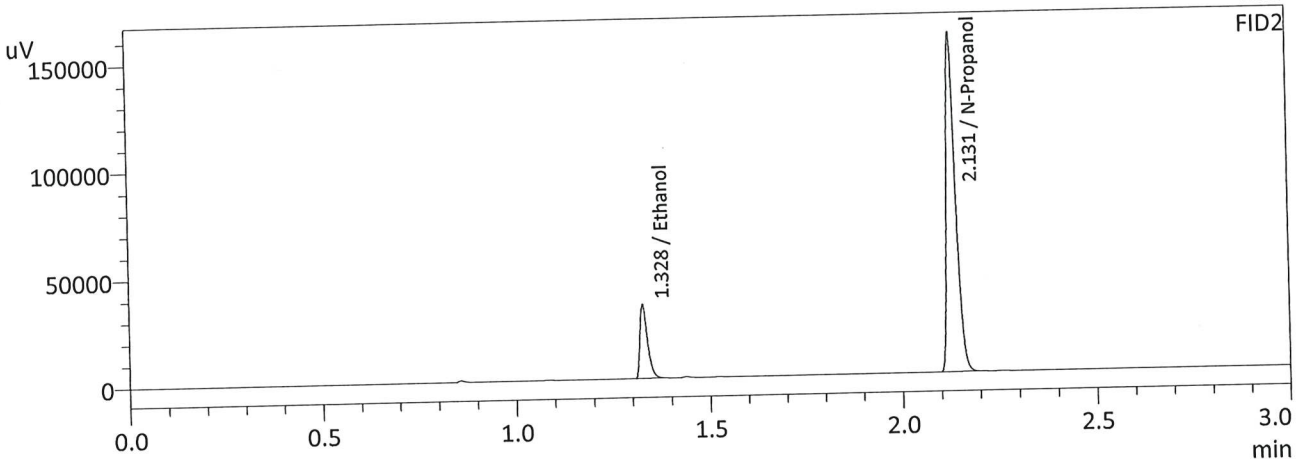
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	45001	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	251183	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 12/5/2022 10:23:09 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0814	42415	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	237568	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	46118	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	259220	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-2 **Item #** **Analysis Date(s): 12/5/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2178	0.2179	0.0001	0.2178	0.0037	0.2197
(g/100cc)	0.2215	0.2216	0.0001	0.2215		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

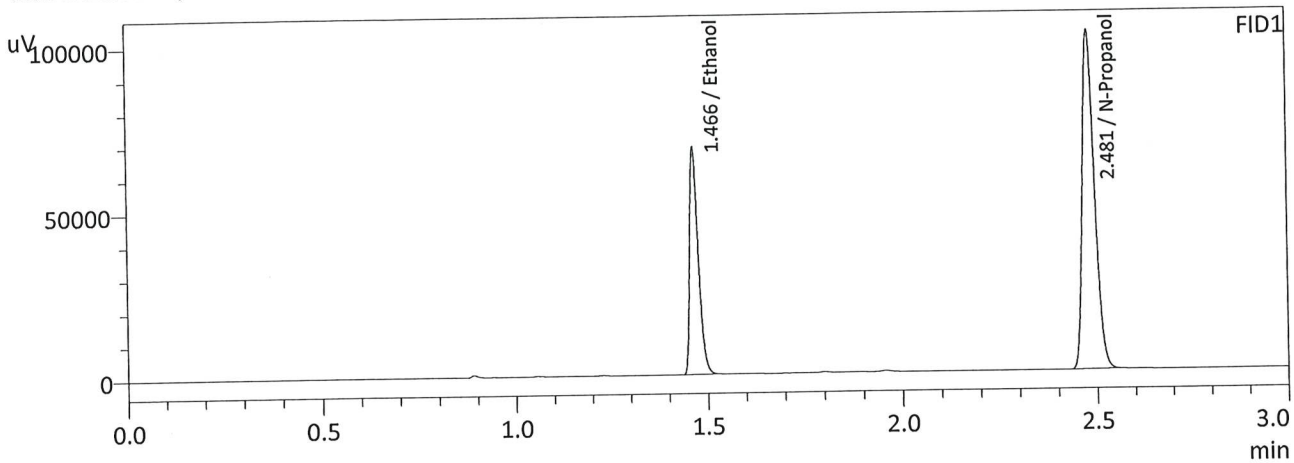
Overall Mean (g/100cc)	Low	High	5% of Mean
0.219	0.208	0.230	0.011

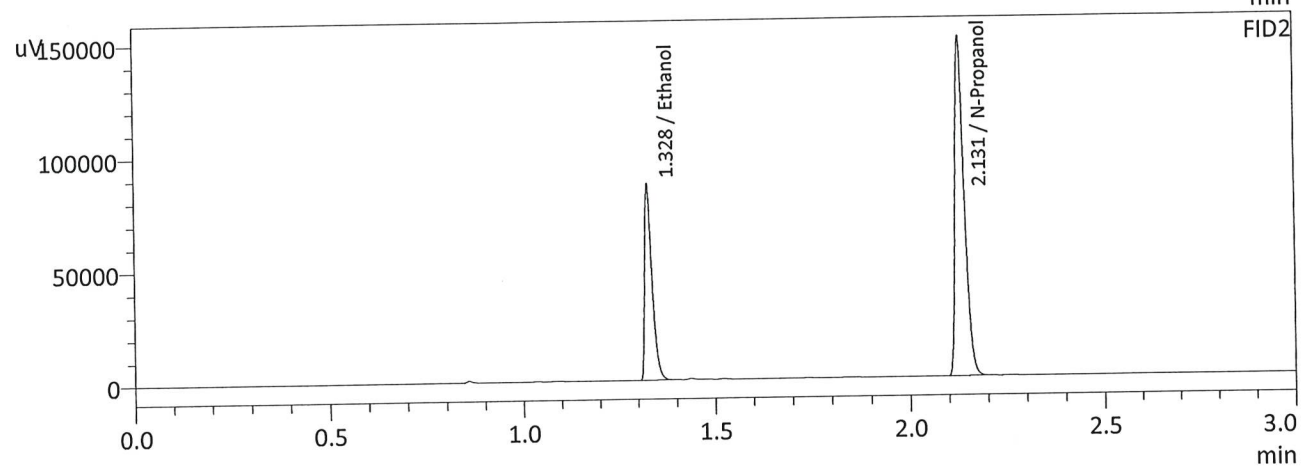
	Reported Result	
	0.219	

Calibration and control data are stored centrally.

JG

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : 12/5/2022 10:30:31 PM
Vial # : 49
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

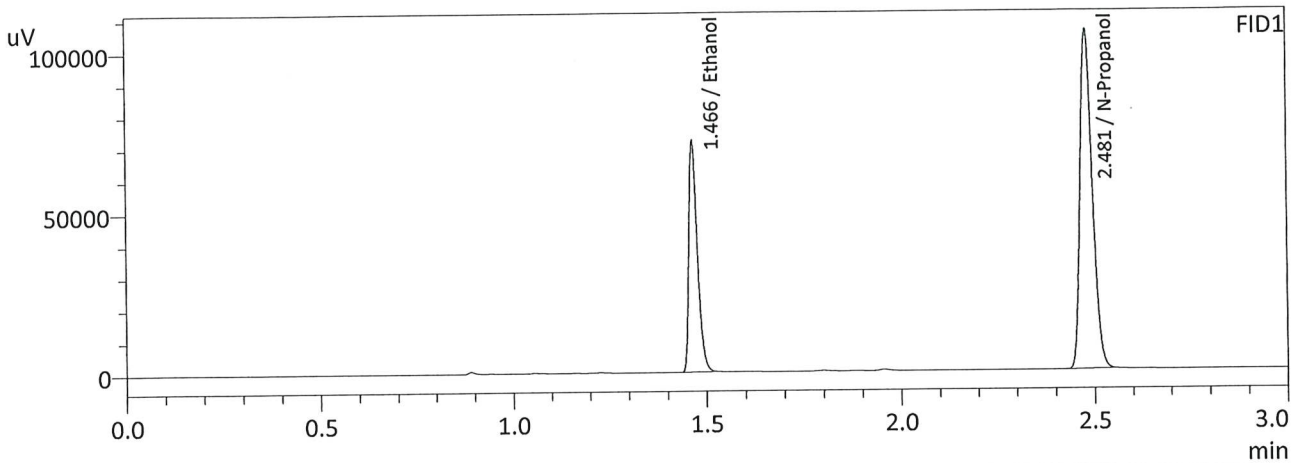
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2178	105272	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225586	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

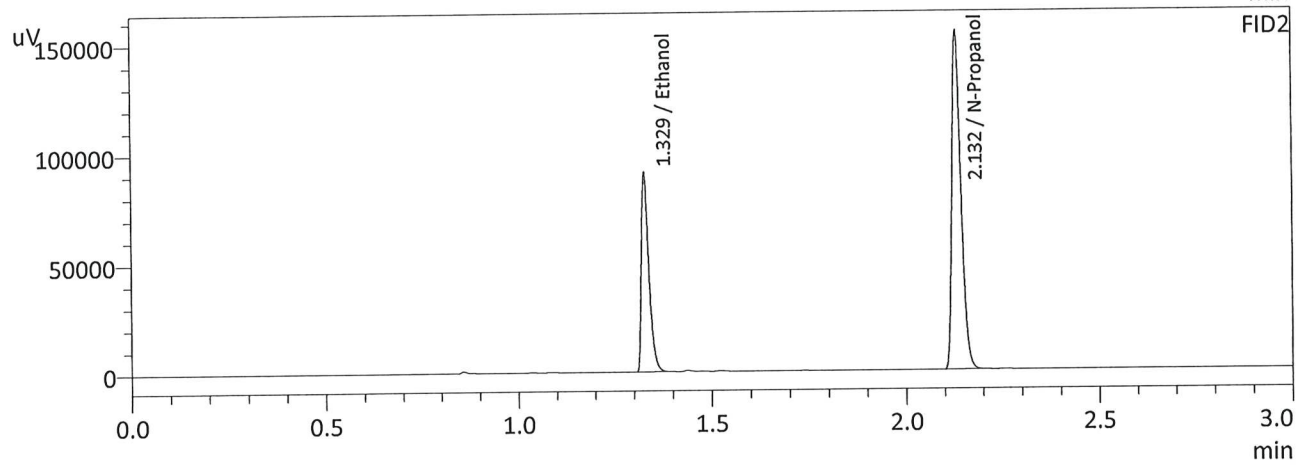
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2179	114415	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	245864	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 12/5/2022 10:38:12 PM
Vial # : 50
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

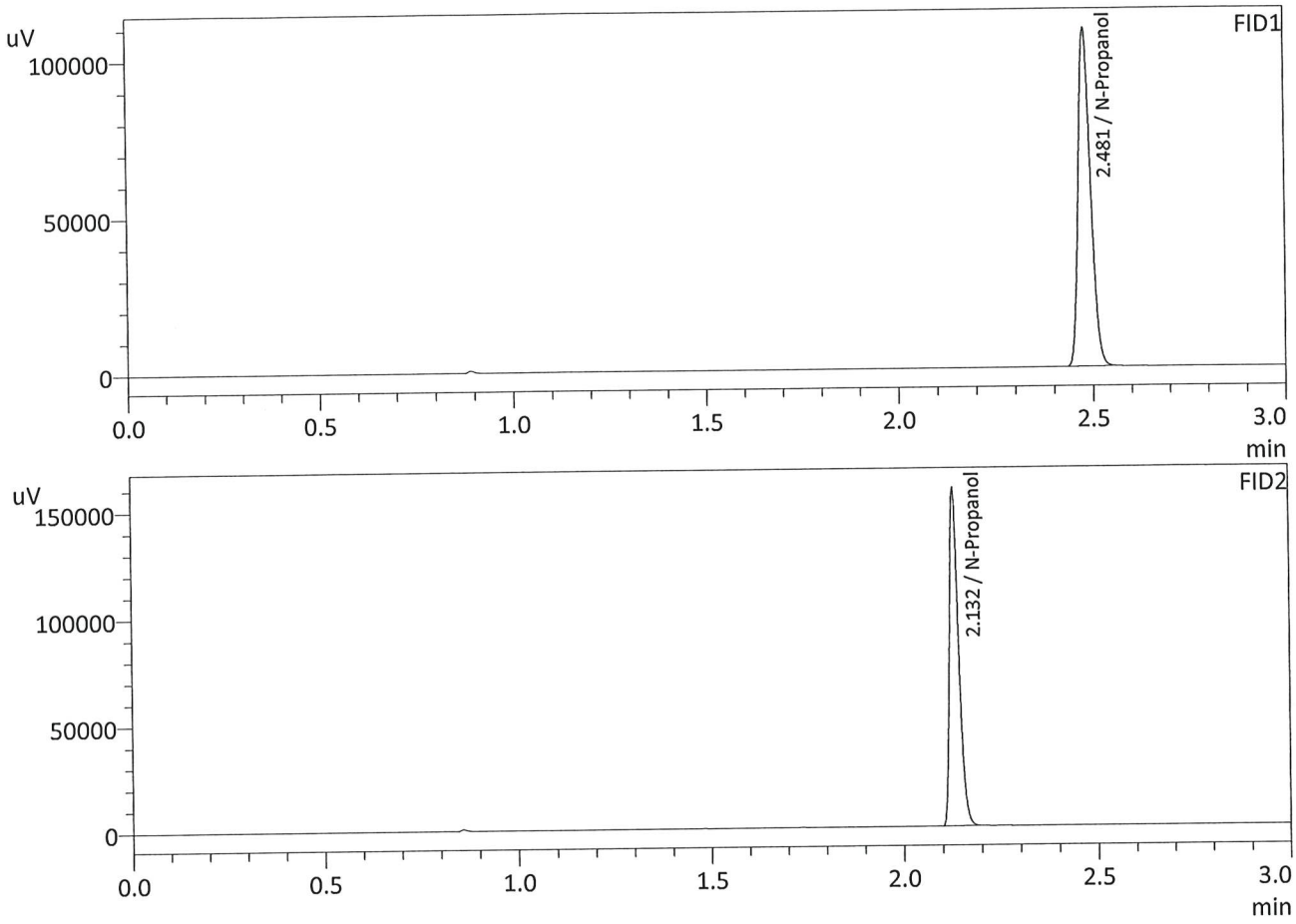
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2215	110534	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232989	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2216	120240	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	254072	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 12/5/2022 10:46:51 PM
Vial # : 51
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\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	237885	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	259755	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

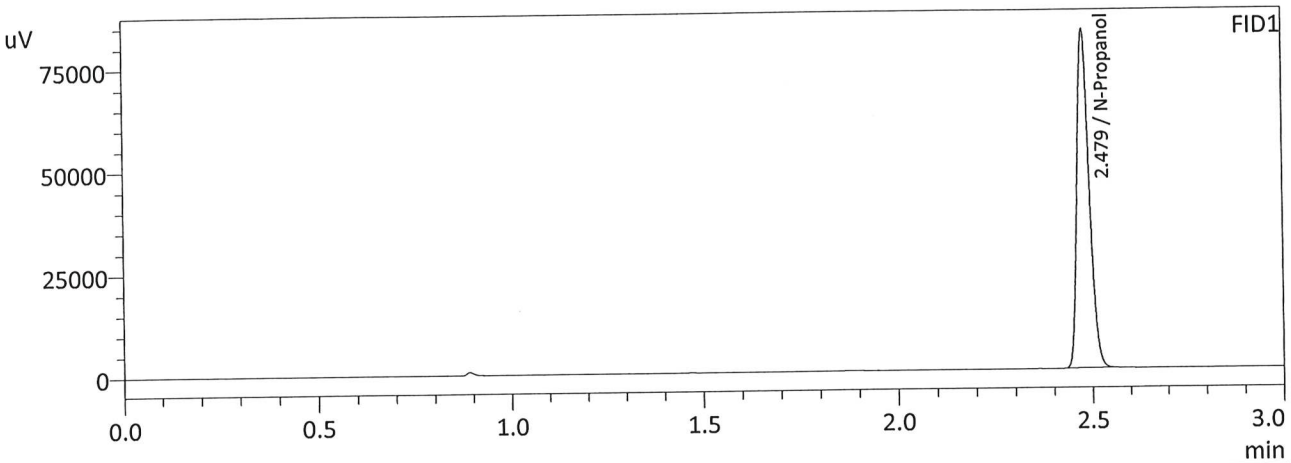
Meridian Blood Alcohol Analysis Batch Table

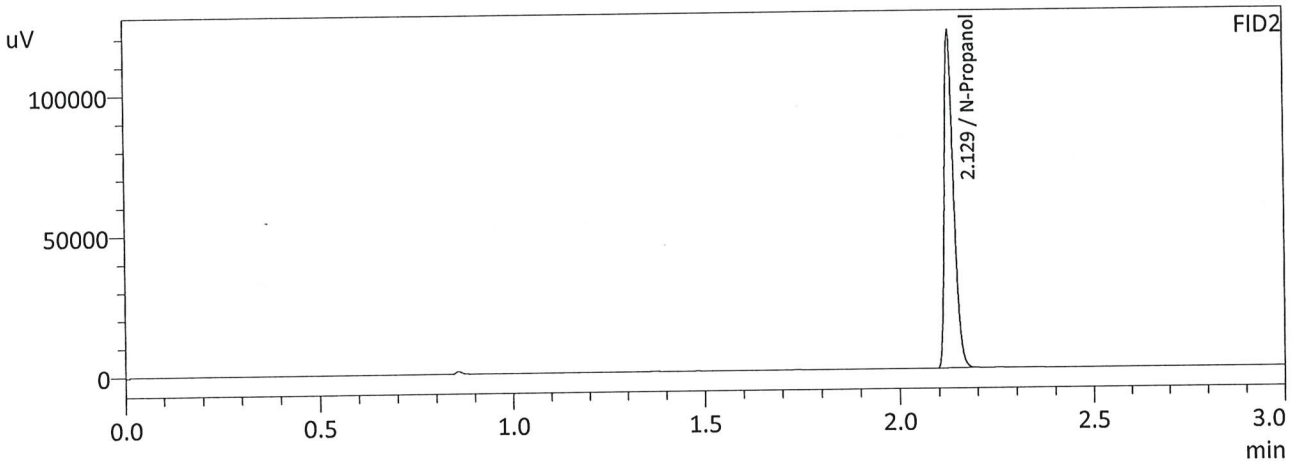
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99

Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0604	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
7	M2022-4832-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
8	M2022-4832-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
9	M2022-4887-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
10	M2022-4887-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
11	M2022-4888-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
12	M2022-4888-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
13	M2022-4889-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
14	M2022-4889-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
15	M2022-4897-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
16	M2022-4897-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
17	M2022-4914-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
18	M2022-4914-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
19	M2022-4951-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
20	M2022-4951-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
21	M2022-4964-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
22	M2022-4964-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
23	M2022-4968-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
24	M2022-4968-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
27	M2022-4969-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
28	M2022-4969-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
29	M2022-5019-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
30	M2022-5019-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
31	M2022-5020-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
32	M2022-5020-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
33	M2022-5027-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
34	M2022-5027-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
35	M2022-5028-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
36	M2022-5028-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
37	M2022-5029-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
38	M2022-5029-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
39	M2022-5030-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
40	M2022-5030-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
41	M2022-5039-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
42	M2022-5039-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
43	P2022-3211-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
44	P2022-3211-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
45	P2022-3610-1A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
46	P2022-3610-1B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
49	QC2-2-A	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
50	QC2-2-B	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
51	INT STD BLK	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM

JC

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 12/6/2022 10:33:51 AM
Vial # : 1
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

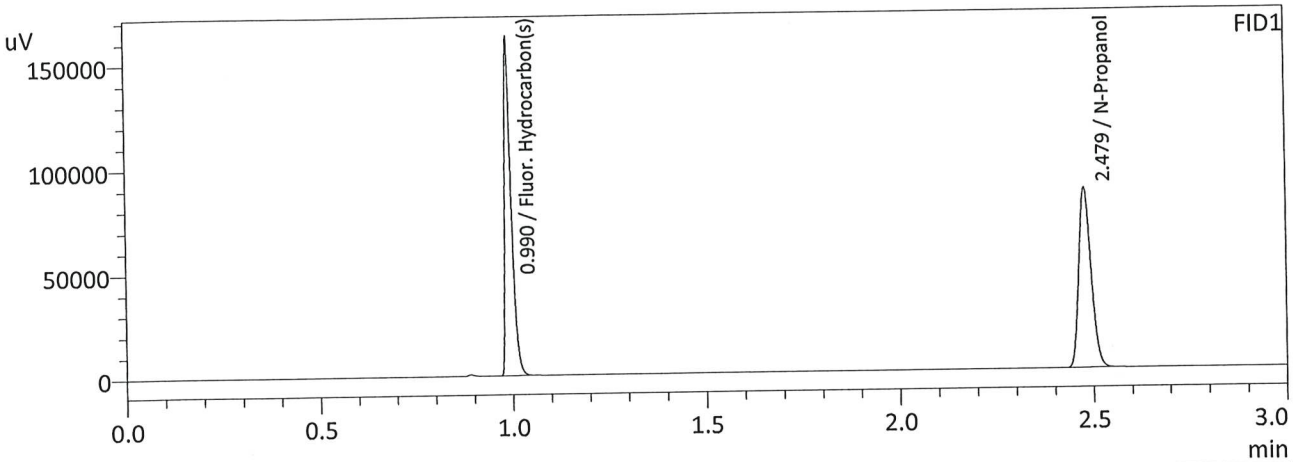
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	182747	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

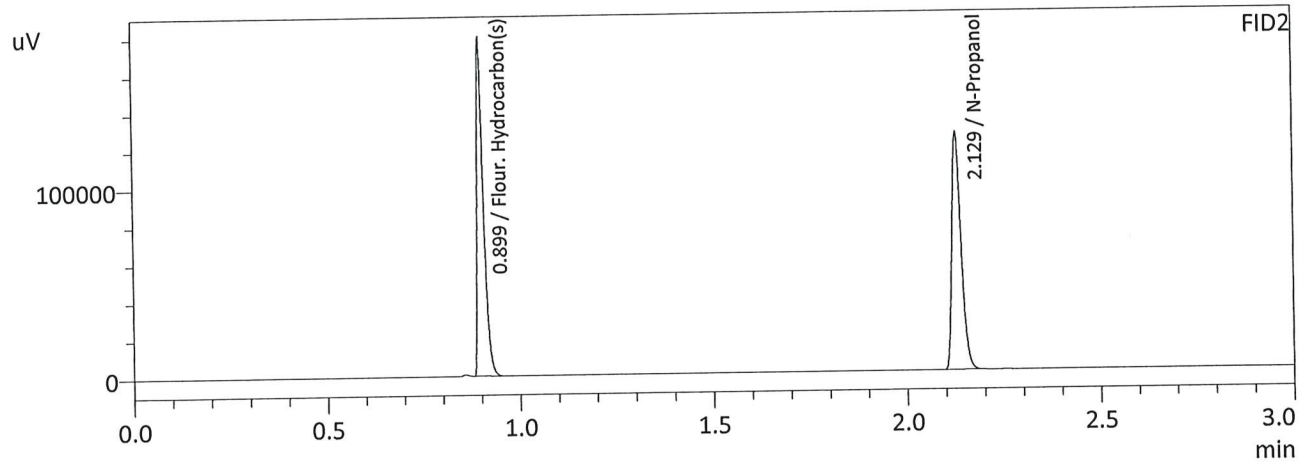
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199041	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Sample Name : DFE 111914OM
Laboratory : Meridian
Injection Date : 12/6/2022 10:41:11 AM
Vial # : 2
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

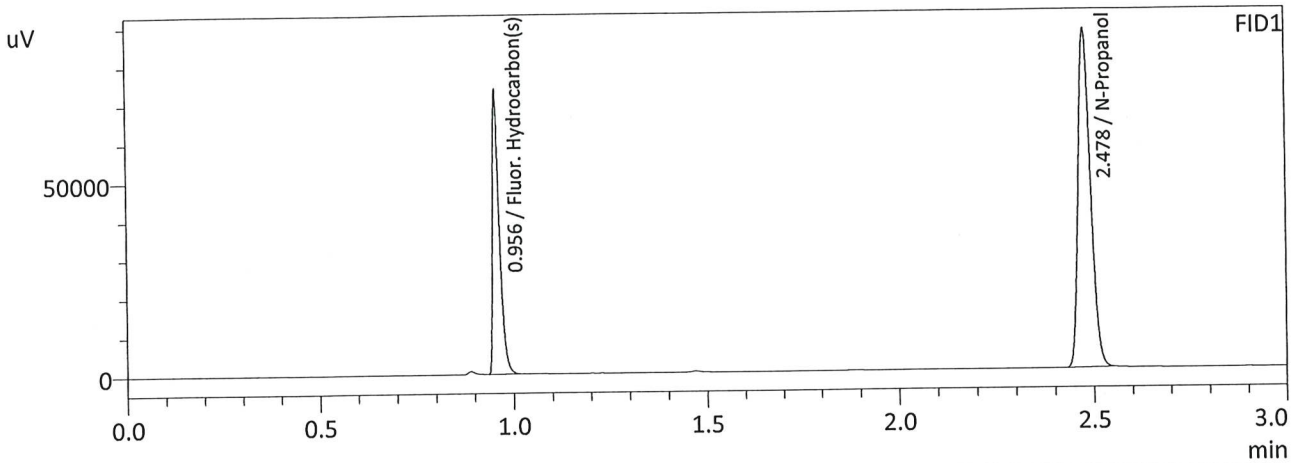
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191320	g/100cc
Fluor. Hydrocarbon(s)	0.0000	193551	g/100cc

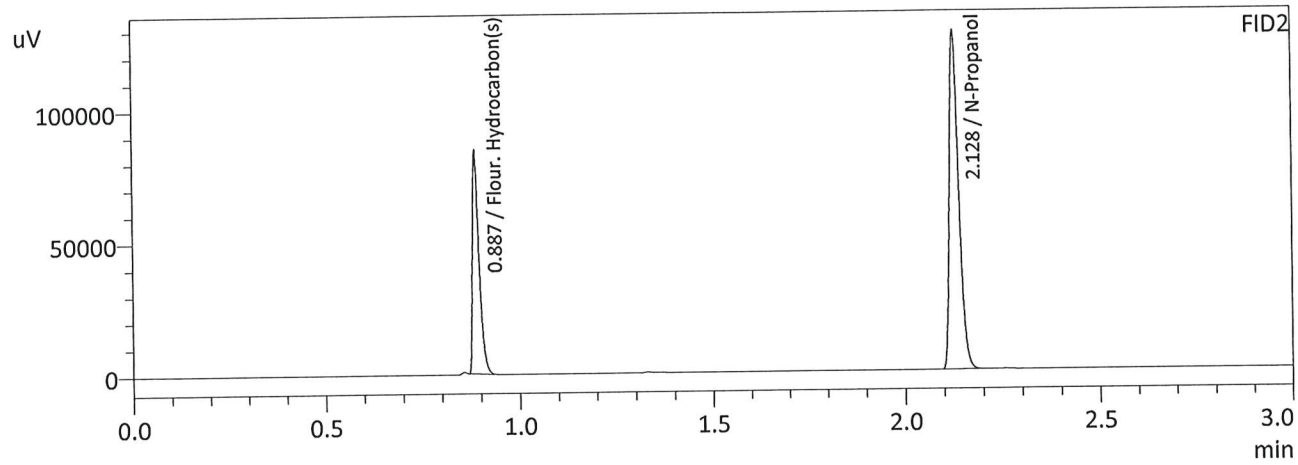
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208373	g/100cc
Flour. Hydrocarbon(s)	0.0000	208772	g/100cc

JC

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : 12/6/2022 10:48:47 AM
Vial # : 3
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

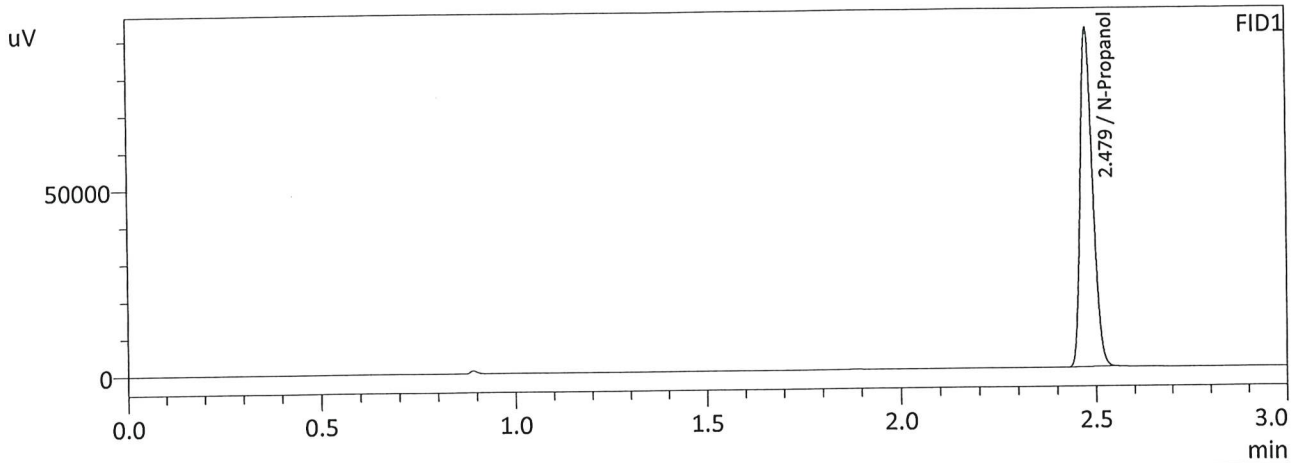
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194119	g/100cc
Fluor. Hydrocarbon(s)	0.0000	90059	g/100cc

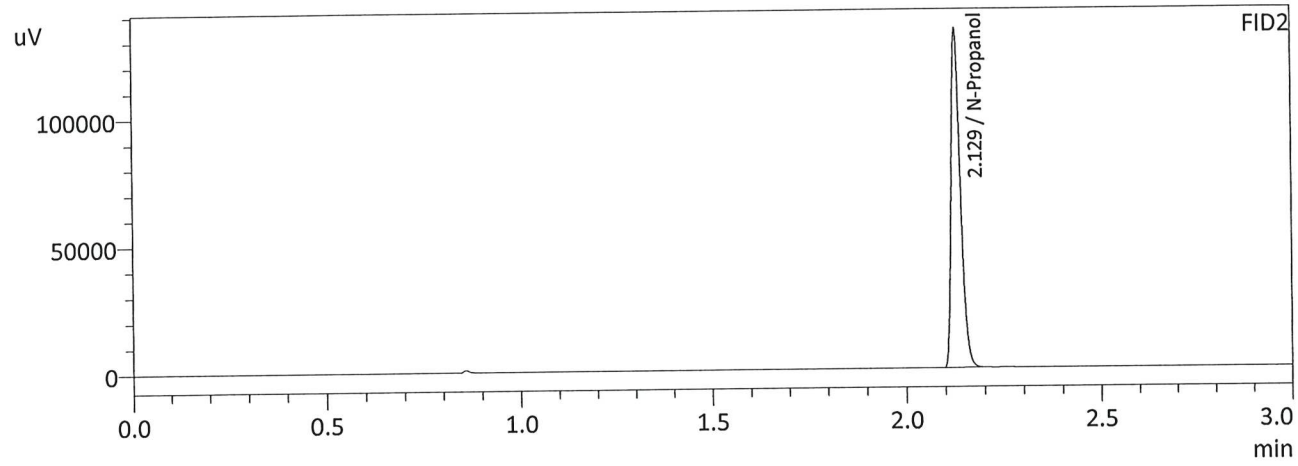
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211469	g/100cc
Flour. Hydrocarbon(s)	0.0000	97551	g/100cc

JC

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 12/6/2022 10:57:22 AM
Vial # : 4
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\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	200939	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	218906	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 Software Ver. 5.99

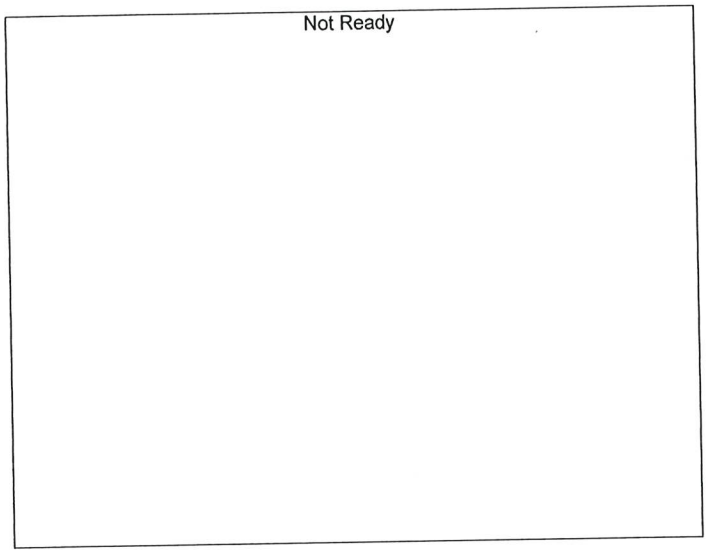
Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
2	DFE 111914OM	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
3	TFE 111914	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
4	INT STD BLK	C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM

JG

Calibration Table

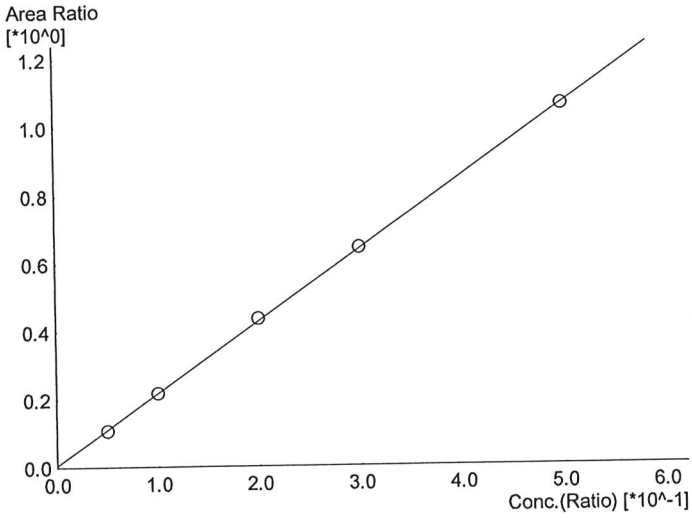
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\221122\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :11/22/2022 2:36:29 PM
Date Created :11/22/2022 2:31:08 PM
Date Modified :11/22/2022 2:39:31 PM



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

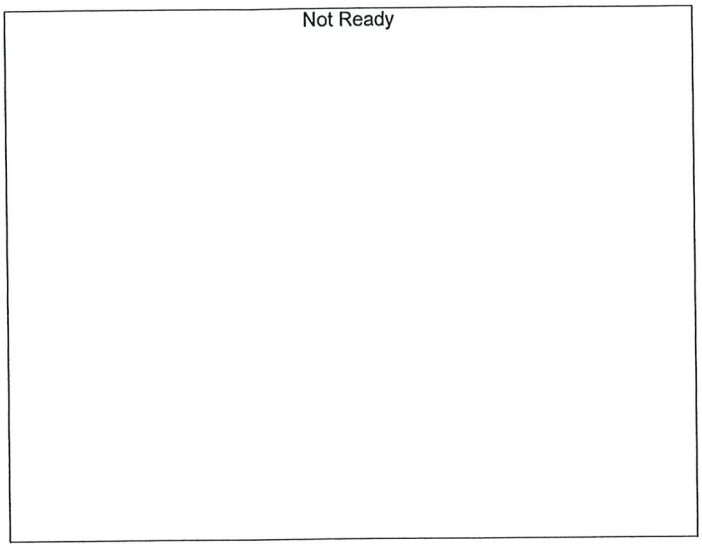
#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.11292*x+0.00633554
R^2 value= 0.9998194
FitType: Linear
ZeroThrough: Not Through

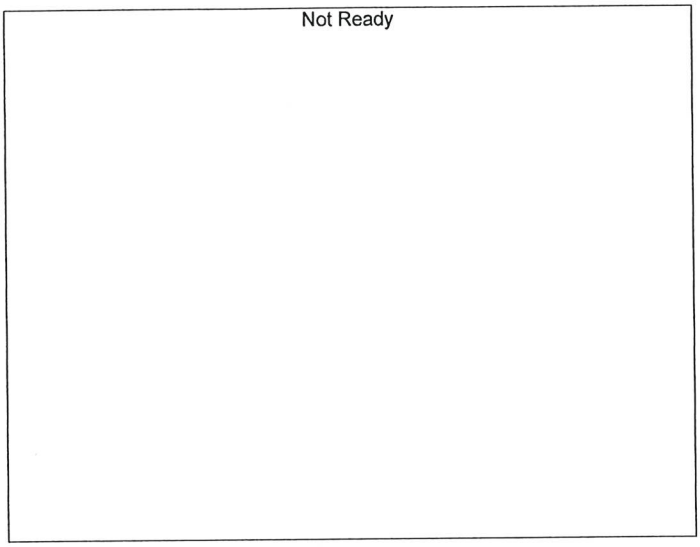
#	Conc.	Area	Std. Conc.
1	0.050	21371	0.0474
2	0.100	42899	0.0996
3	0.200	83283	0.2033
4	0.300	124281	0.3014
5	0.500	212169	0.4981

JG



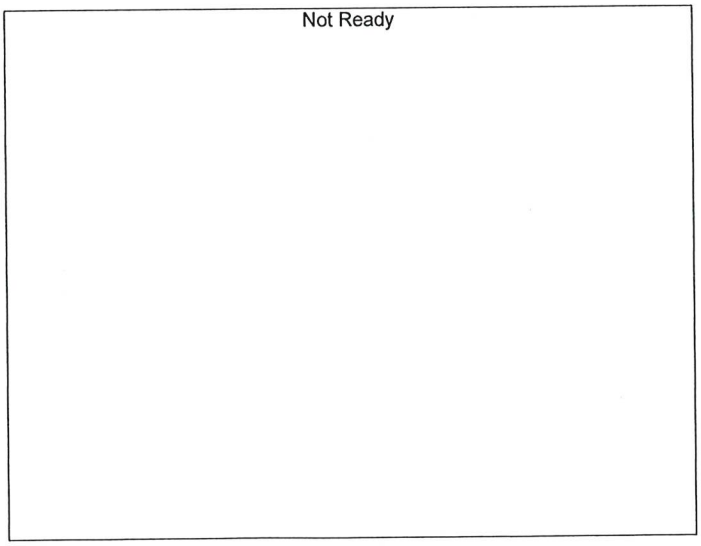
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



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

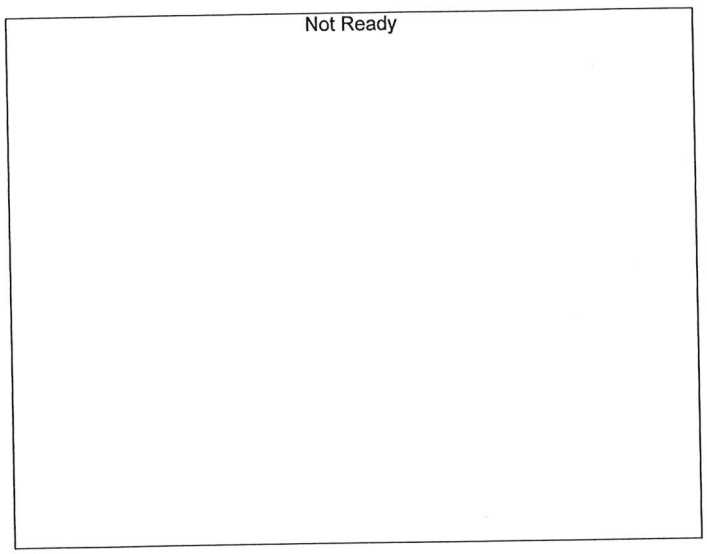
#	Conc.	Area	Std. Conc.



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

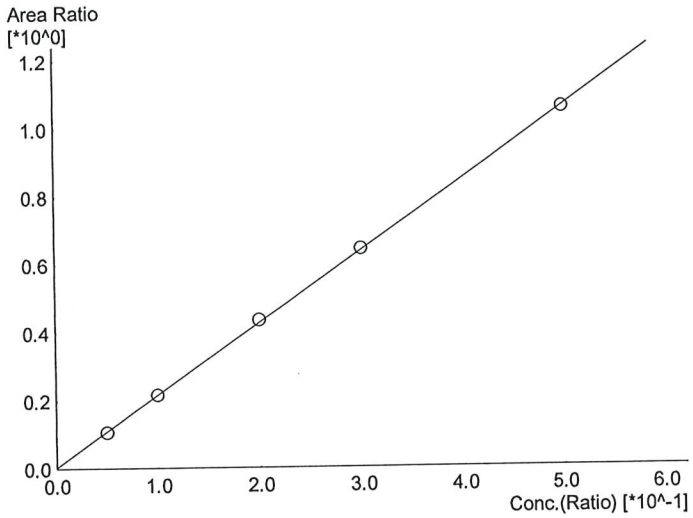
#	Conc.	Area	Std. Conc.

JG



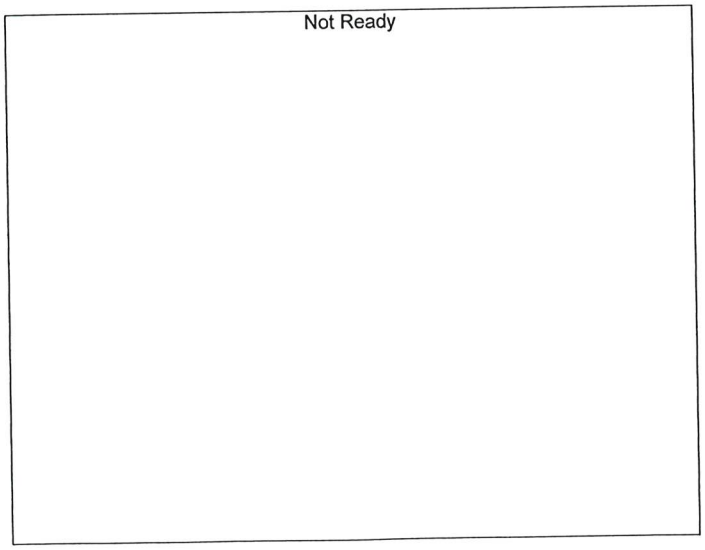
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.10884*x+0.00577663
R^2 value= 0.9998225
FitType: Linear
ZeroThrough: Not Through

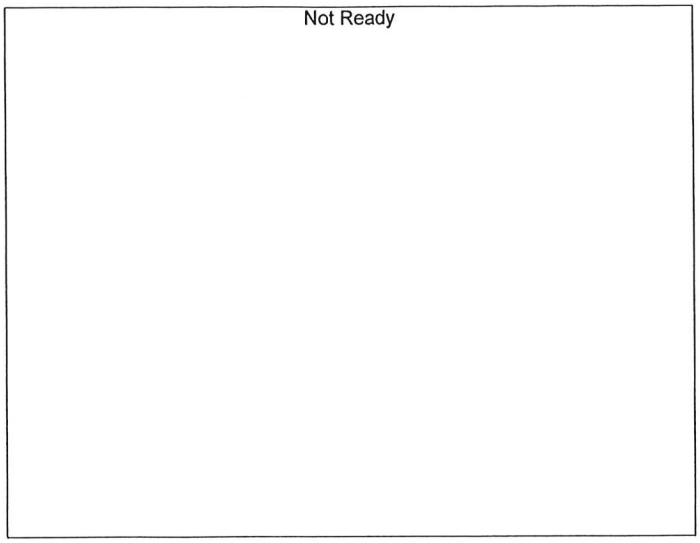
#	Conc.	Area	Std. Conc.
1	0.050	23153	0.0476
2	0.100	46373	0.0994
3	0.200	90256	0.2032
4	0.300	134815	0.3015
5	0.500	229952	0.4980



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

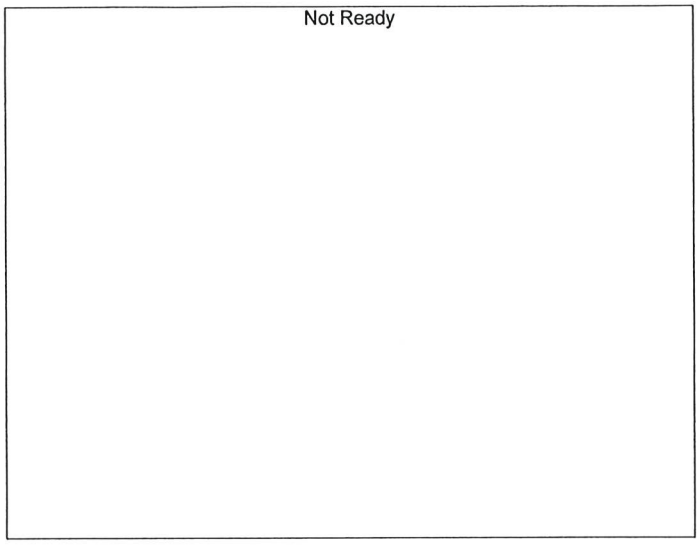
#	Conc.	Area	Std. Conc.

JG



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

#	Conc.	Area	Std. Conc.

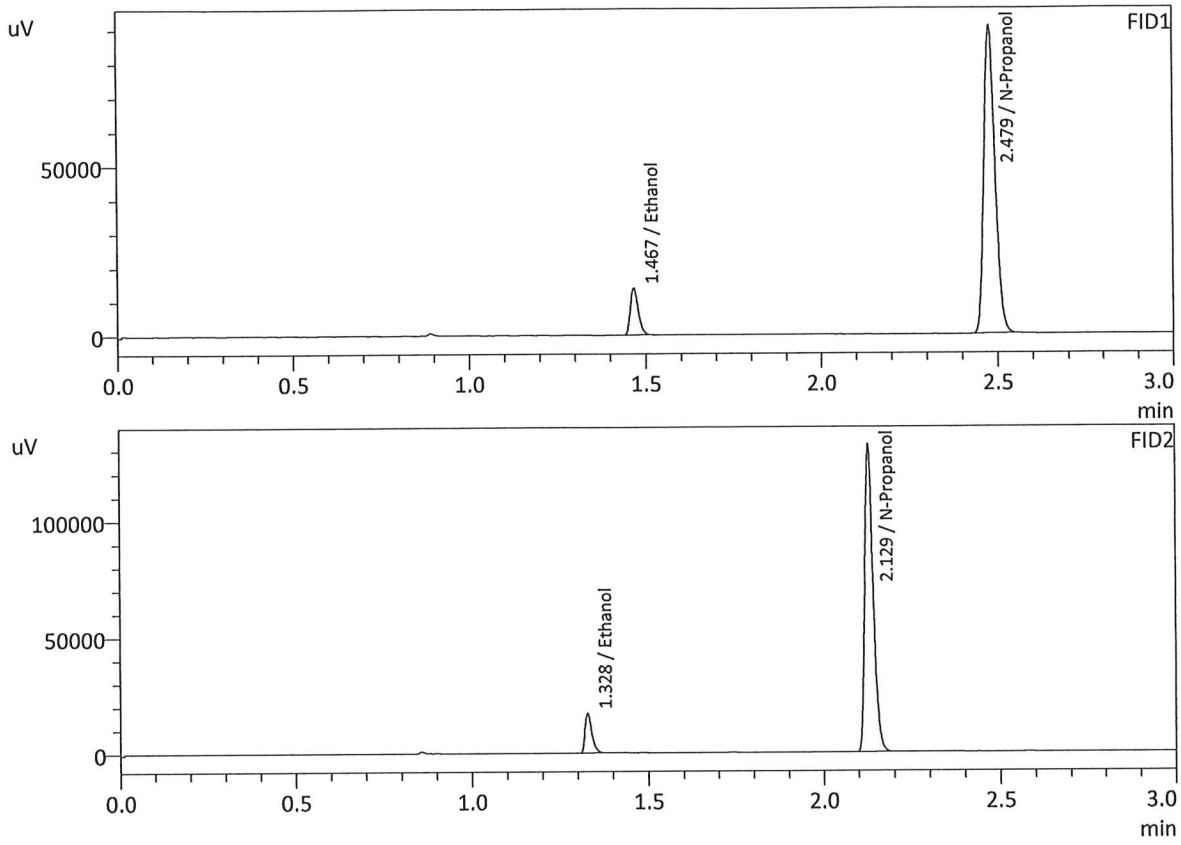


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

JG

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 11/22/2022 1:56:56 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

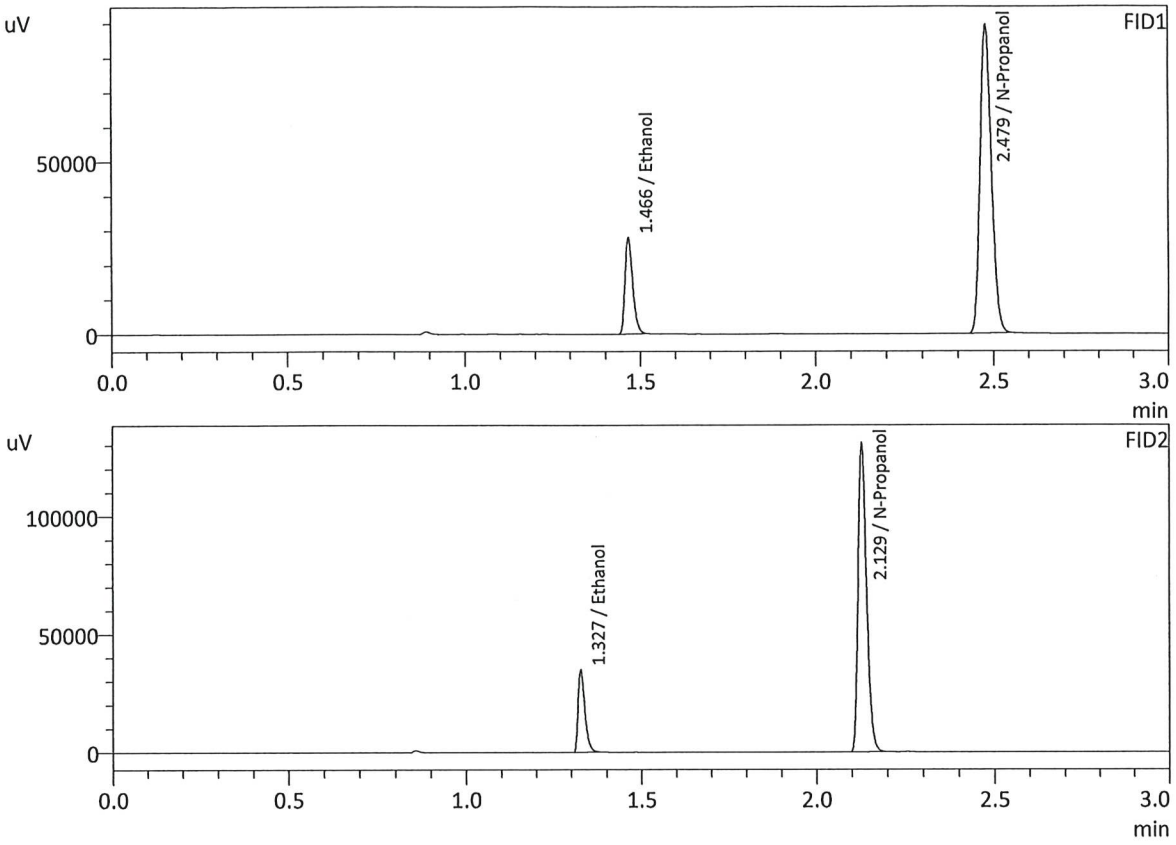
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0474	21371	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200322	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0476	23153	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217910	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 11/22/2022 2:04:16 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

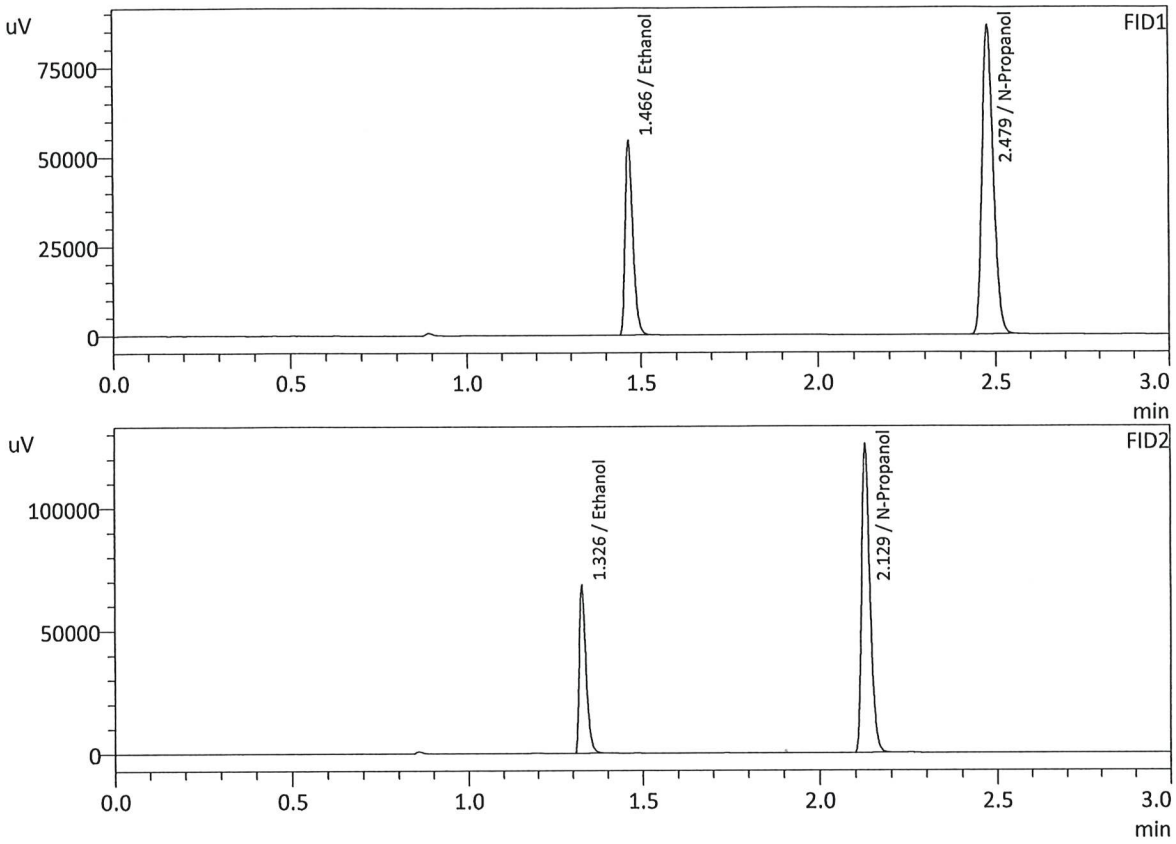
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0996	42899	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197888	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0994	46373	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215277	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 11/22/2022 2:11:36 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

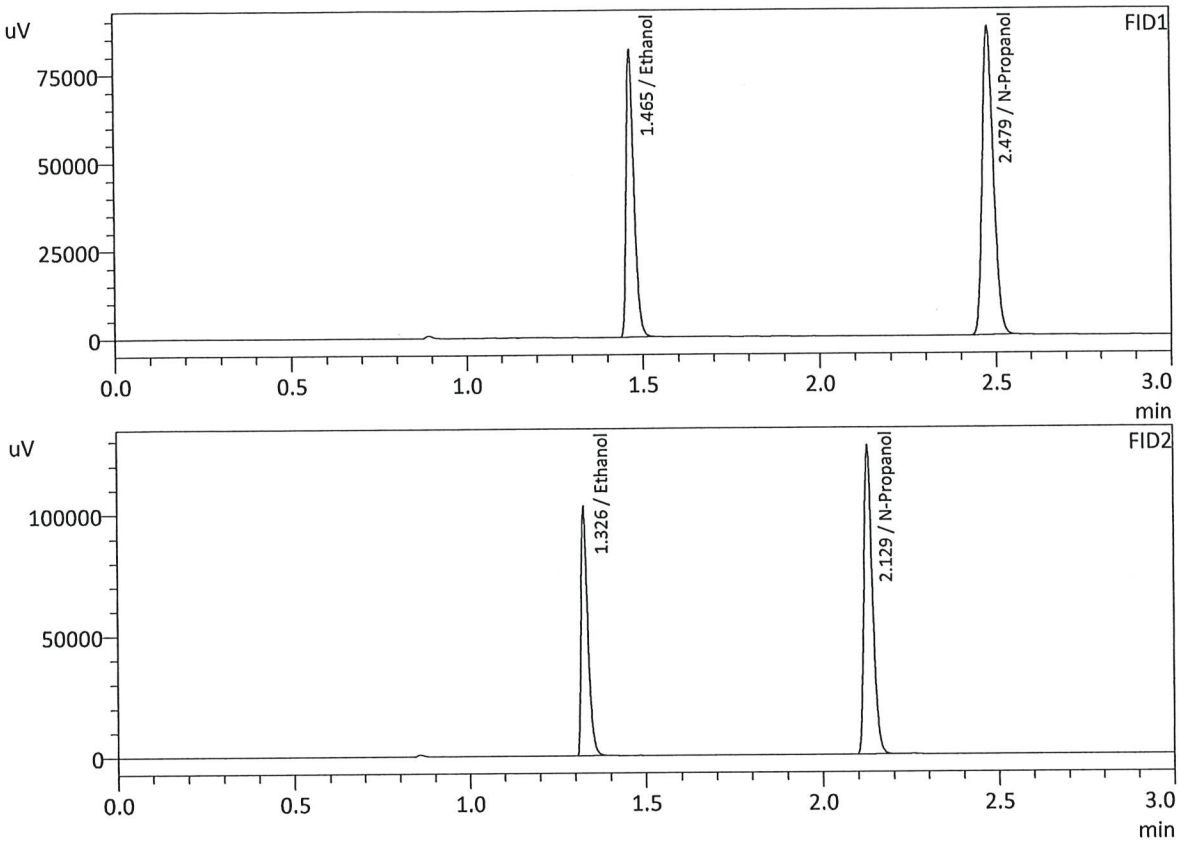
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2033	83283	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191026	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2032	90256	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207754	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 11/22/2022 2:20:28 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

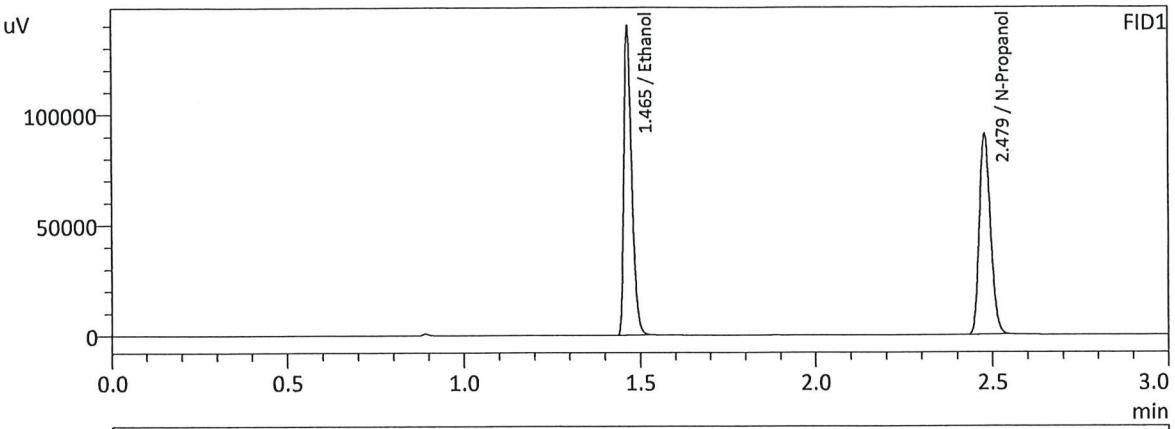
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3014	124281	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193213	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

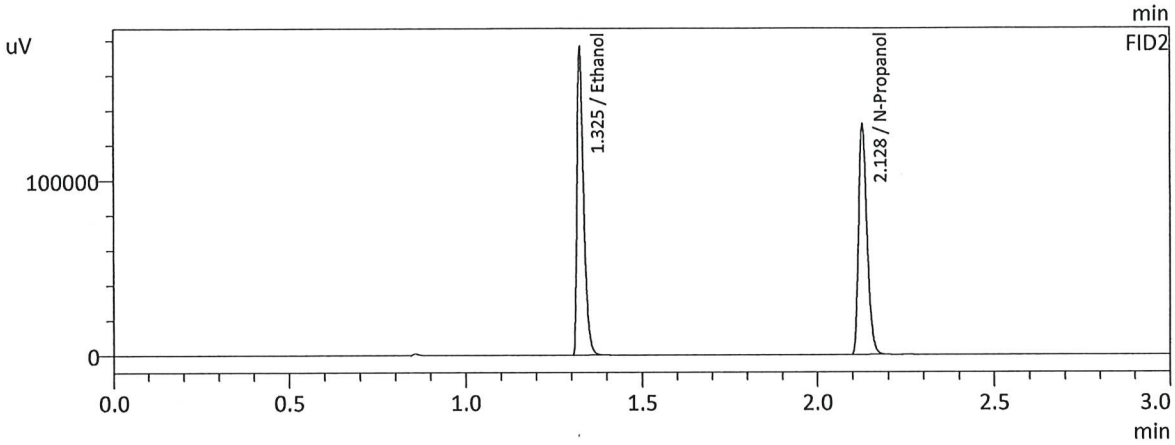
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3015	134815	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210068	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 11/22/2022 2:28:01 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

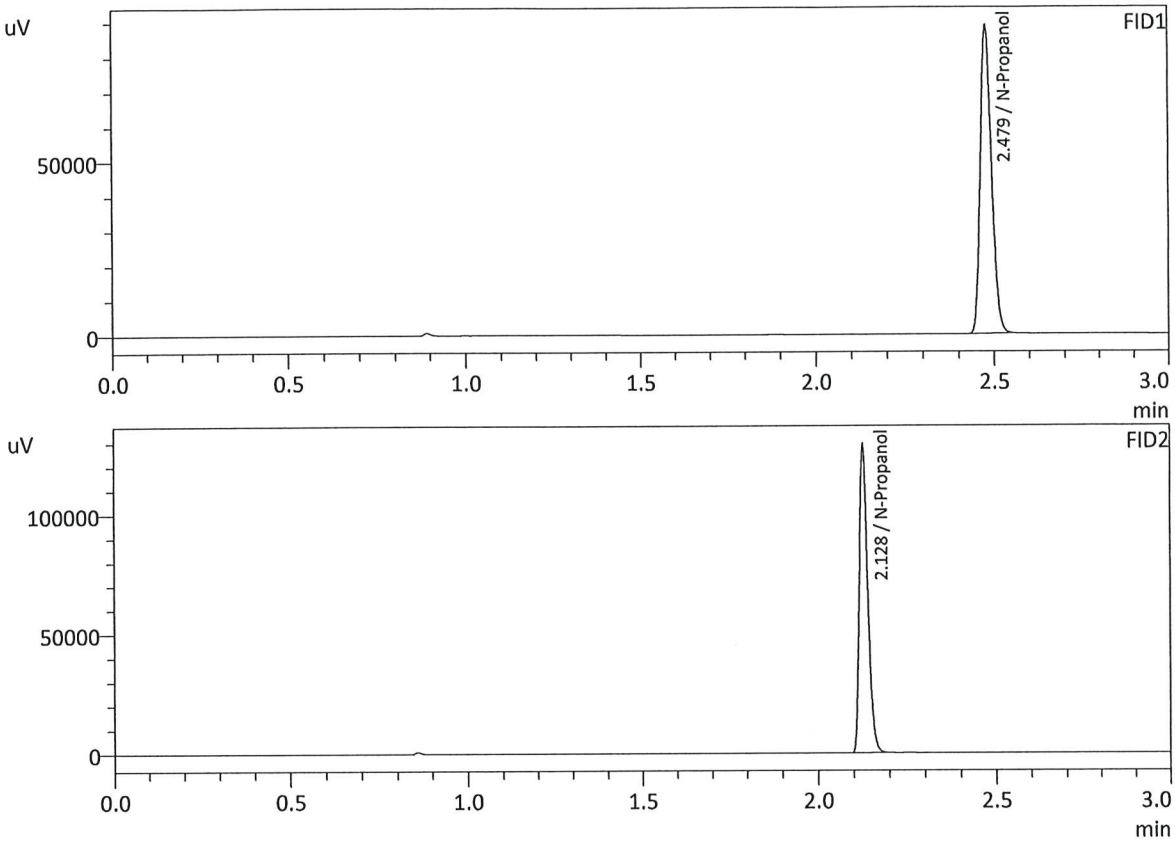
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4981	212169	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200376	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4980	229952	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217720	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 11/22/2022 2:36:29 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\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	195690	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	212948	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 Software Ver. 5.99

Vial#	Sample Name	Method File
1	0.050	ALCOHOL.GCM
2	0.100	ALCOHOL.GCM
3	0.200	ALCOHOL.GCM
4	0.300	ALCOHOL.GCM
5	0.500	ALCOHOL.GCM
6	INT STD BLK	ALCOHOL.GCM

JG