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): 1/27/2023

Calibration Date: *(if different)* 1/20/23

Worklist #: 6231

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0806 g/100cc
					0.0841 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2144 g/100cc
					0.2137 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		Column 1	0.99962	Column2	0.99964

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0545	0.0544	0.0001	0.0544
100	0.100	0.090 - 0.110	0.0988	0.0987	0.0001	0.0987
200	0.200	0.180 - 0.220	0.1961	0.1961	0	0.1961
300	0.300	0.270 - 0.330	0.2979	0.2982	0.0003	0.298
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5025	0.5023	0.0002	0.5024

Aqueous Controls

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

REVIEWED
By Rachel Cutler at 4:52 pm, Jan 30, 2023

JC

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

Internal Standard Monitoring Worksheet

Worklist #:	6231	Run Date(s):	1/27/2023

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

Sample Name	Column 1 Value	Column 2 Value
0.080	196421	212860
0.080	193419	210128
QC1	193810	210027
QC1	197987	214650
QC1	237897	258721
QC1	238677	259593
QC1		
QC1		
QC2	212669	230976
QC2	223089	242396
QC2	237668	258475
QC2	249514	271156
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	218115.1	174492.1	261738.1
Column 2	236898.2	189518.6	284277.8

JC

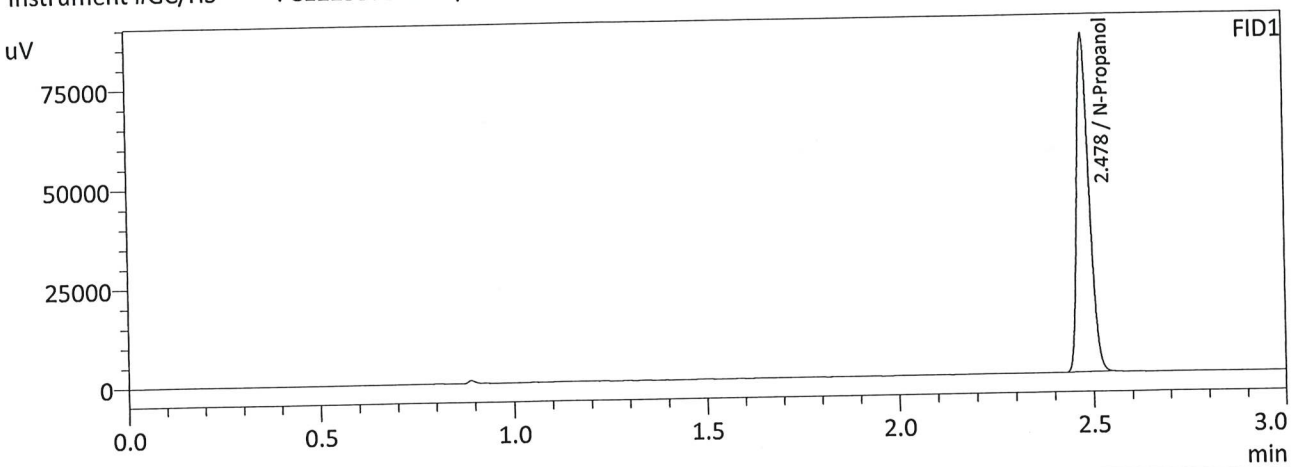
Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

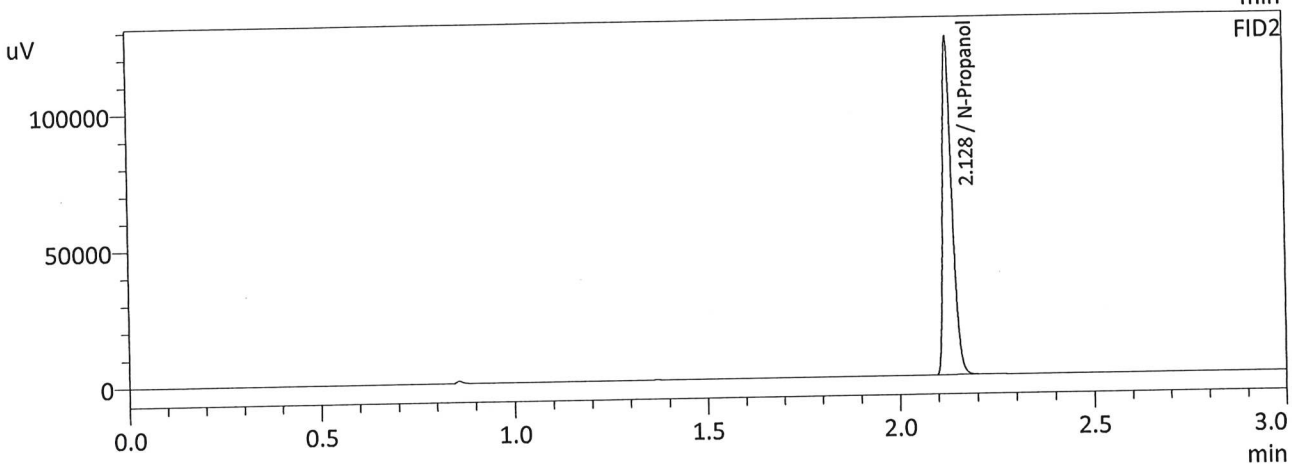
Worklist: 6231

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-0225	1	BCK	Alcohol Analysis
M2023-0245	1	BCK	Alcohol Analysis
M2023-0249	3	BCK	Alcohol Analysis
M2023-0256	1	BCK	Alcohol Analysis
M2023-0259	1	BCK	Alcohol Analysis
M2023-0285	1	BCK	Alcohol Analysis
M2023-0286	1	BCK	Alcohol Analysis
M2023-0288	1	BCK	Alcohol Analysis
M2023-0289	1	BCK	Alcohol Analysis
M2023-0290	1	BCK	Alcohol Analysis
M2023-0294	1	BCK	Alcohol Analysis
M2023-0295	2	BCK	Alcohol Analysis
M2023-0313	1	BCK	Alcohol Analysis
M2023-0315	1	BCK	Alcohol Analysis
M2023-0331	1	BCK	Alcohol Analysis
M2023-0340	1	BCK	Alcohol Analysis
M2023-0341	1	BCK	Alcohol Analysis
P2023-0124	1	BCK	Alcohol Analysis
P2023-0135	1	BCK	Alcohol Analysis

JC

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 1/27/2023 1:18:07 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

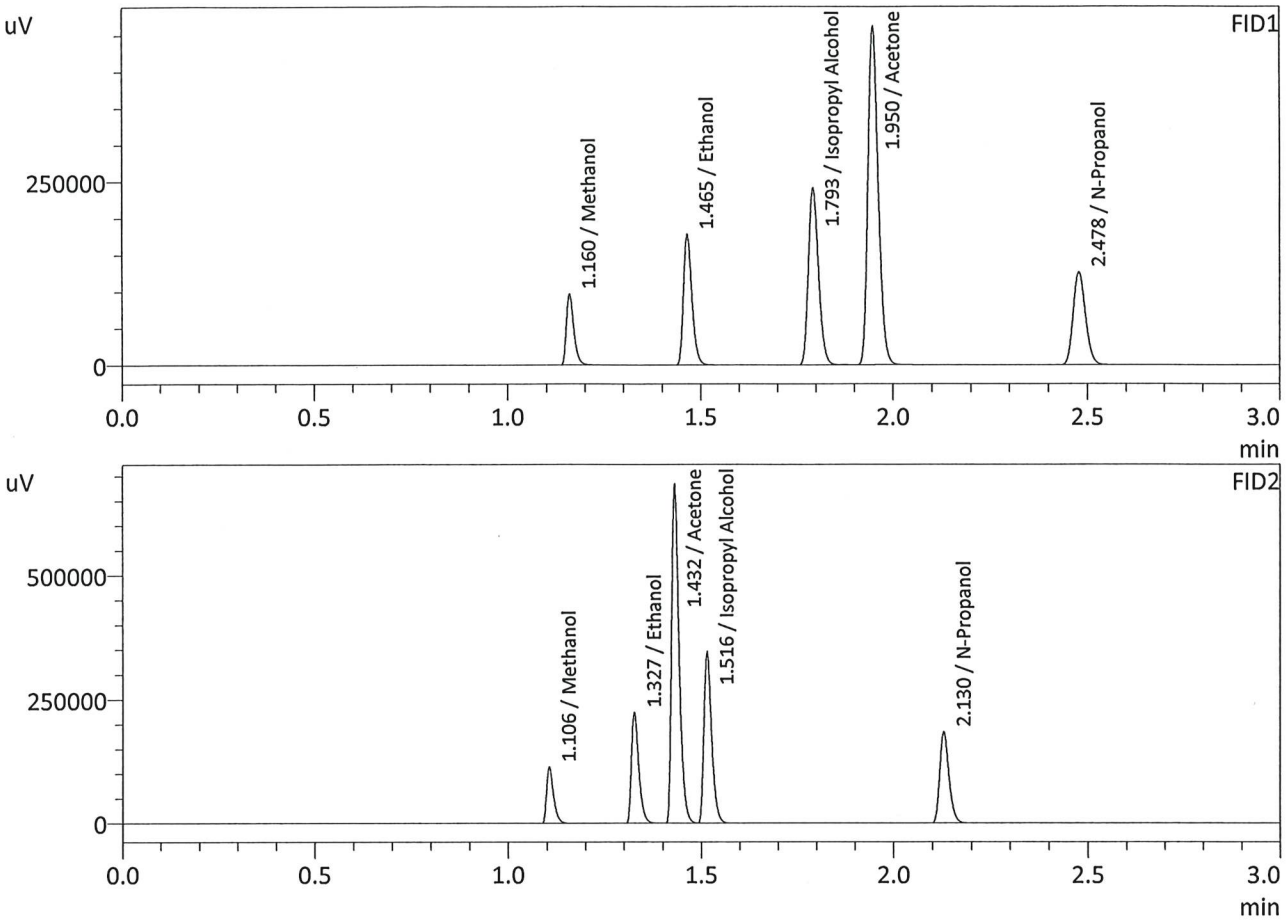
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188387	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204671	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 1/27/2023 1:25:28 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	130105	g/100cc
Ethanol	0.4531	270861	g/100cc
Isopropyl Alcohol	0.0000	441746	g/100cc
Acetone	0.0000	848882	g/100cc
N-Propanol	0.0000	278389	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	140842	g/100cc
Ethanol	0.4536	293000	g/100cc
Acetone	0.0000	917843	g/100cc
Isopropyl Alcohol	0.0000	477911	g/100cc
N-Propanol	0.0000	300991	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Item #** **Analysis Date(s): 1/27/23**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0791	0.0790	0.0001	0.0790	0.0032	0.0806
(g/100cc)	0.0823	0.0821	0.0002	0.0822		

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

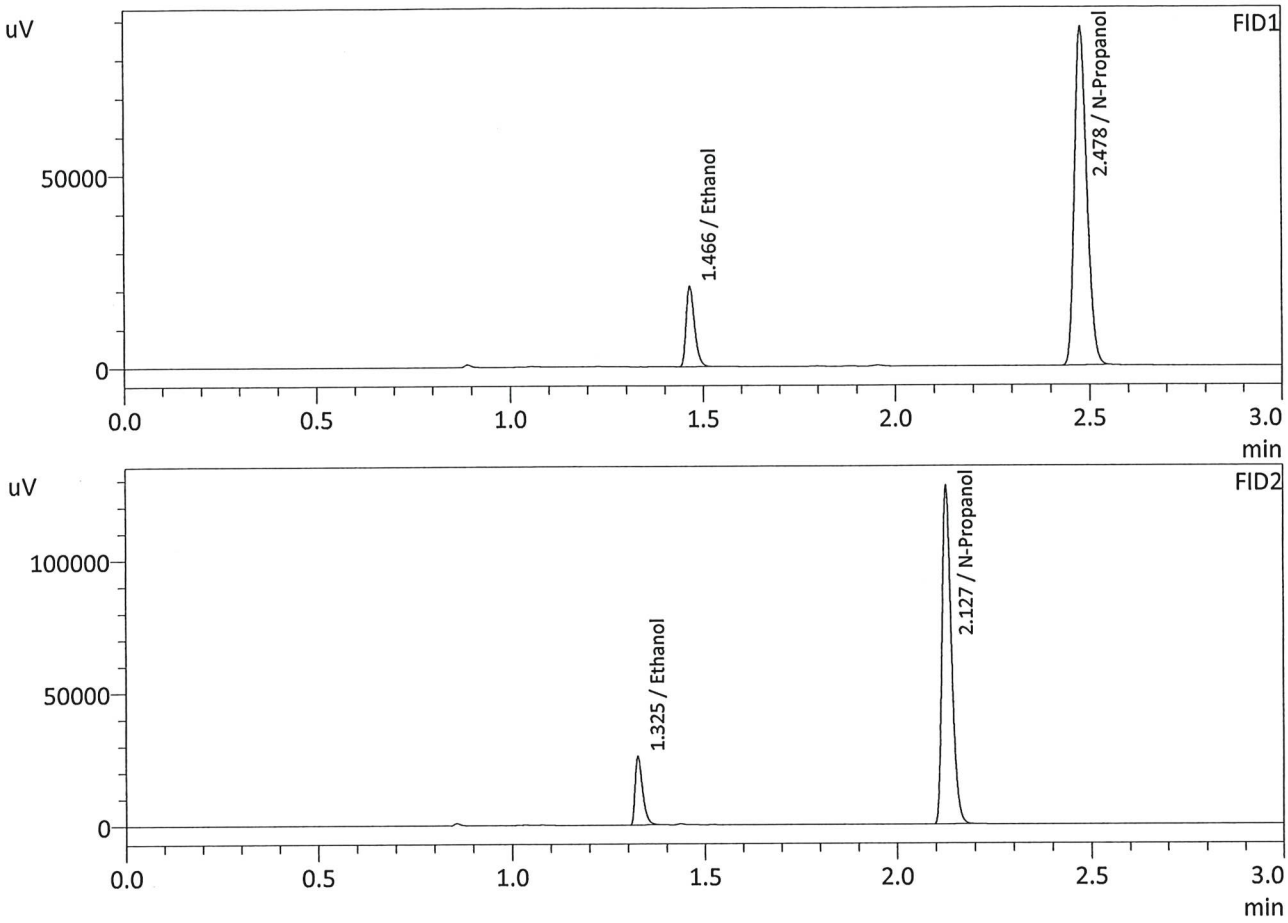
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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

	Reported Result	Notes:
	0.080	

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 1/27/2023 1:32:48 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

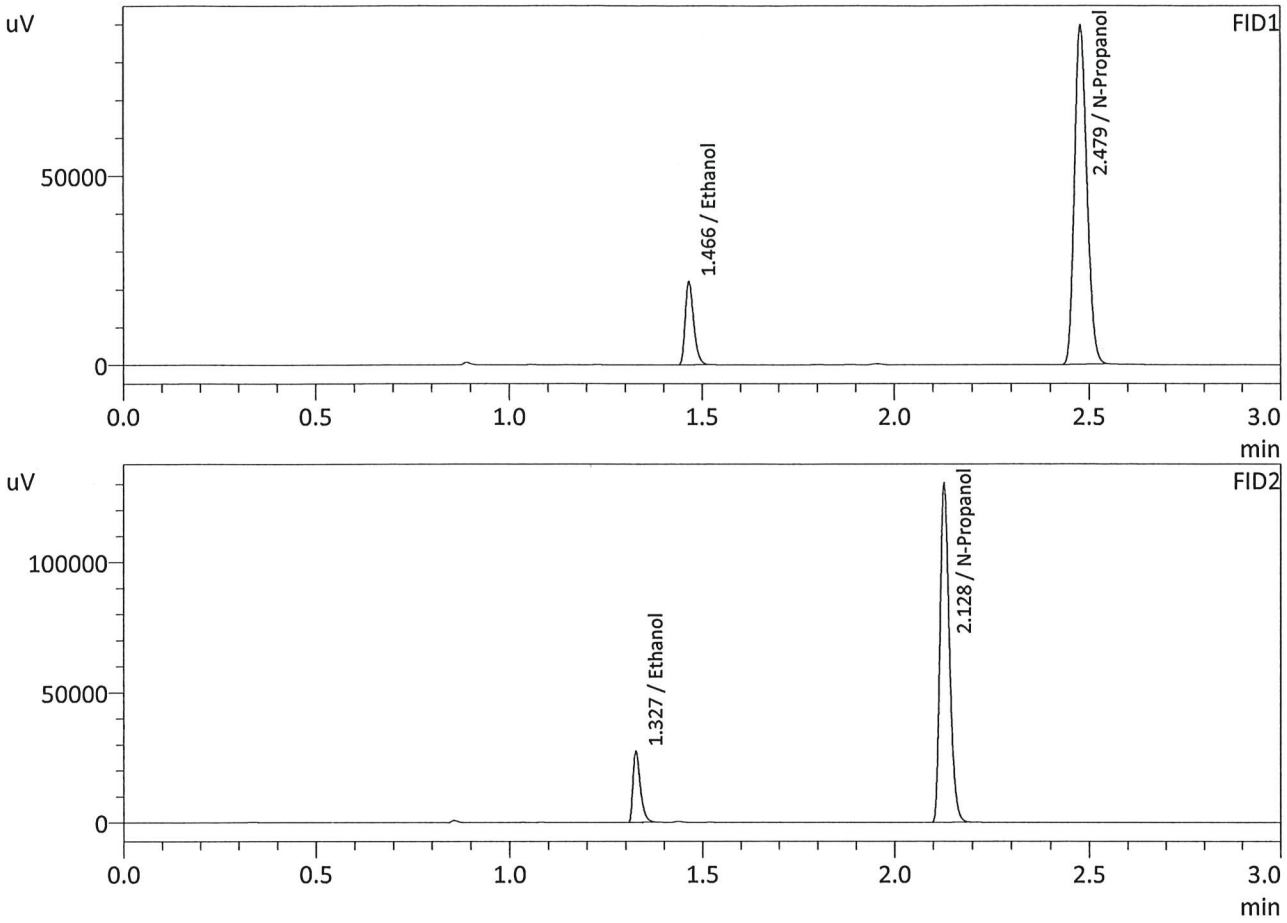
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0791	31944	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193810	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0790	34378	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210027	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 1/27/2023 1:41:40 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	33965	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197987	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	36579	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214650	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 QA **Item #** **Analysis Date(s): 1/27/23**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0795	0.0794	0.0001	0.0794	0.0017	0.0803
(g/100cc)	0.0813	0.0810	0.0003	0.0811		

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%**

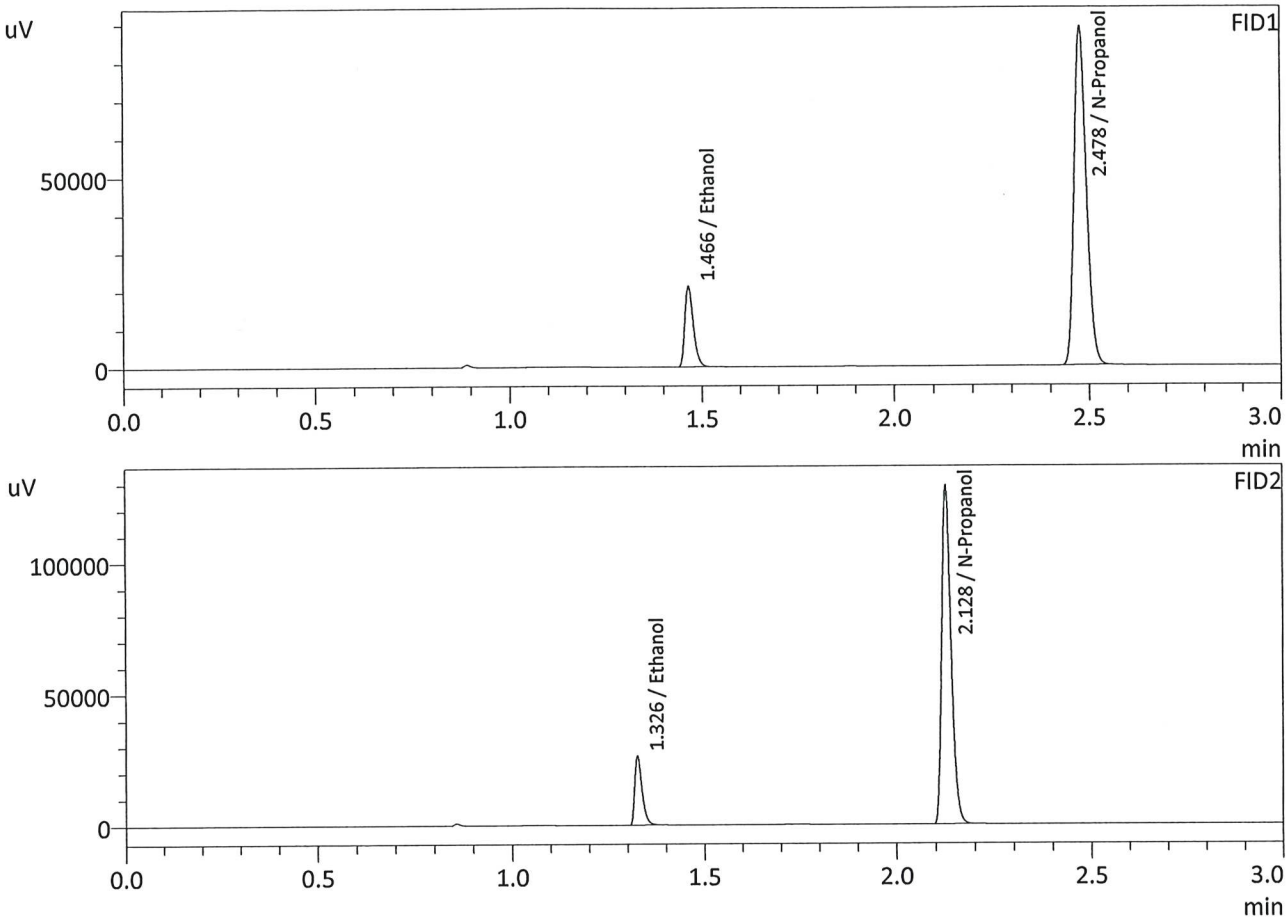
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	Notes:
	0.080	

Calibration and control data are stored centrally.

JG

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 1/27/2023 1:49:08 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

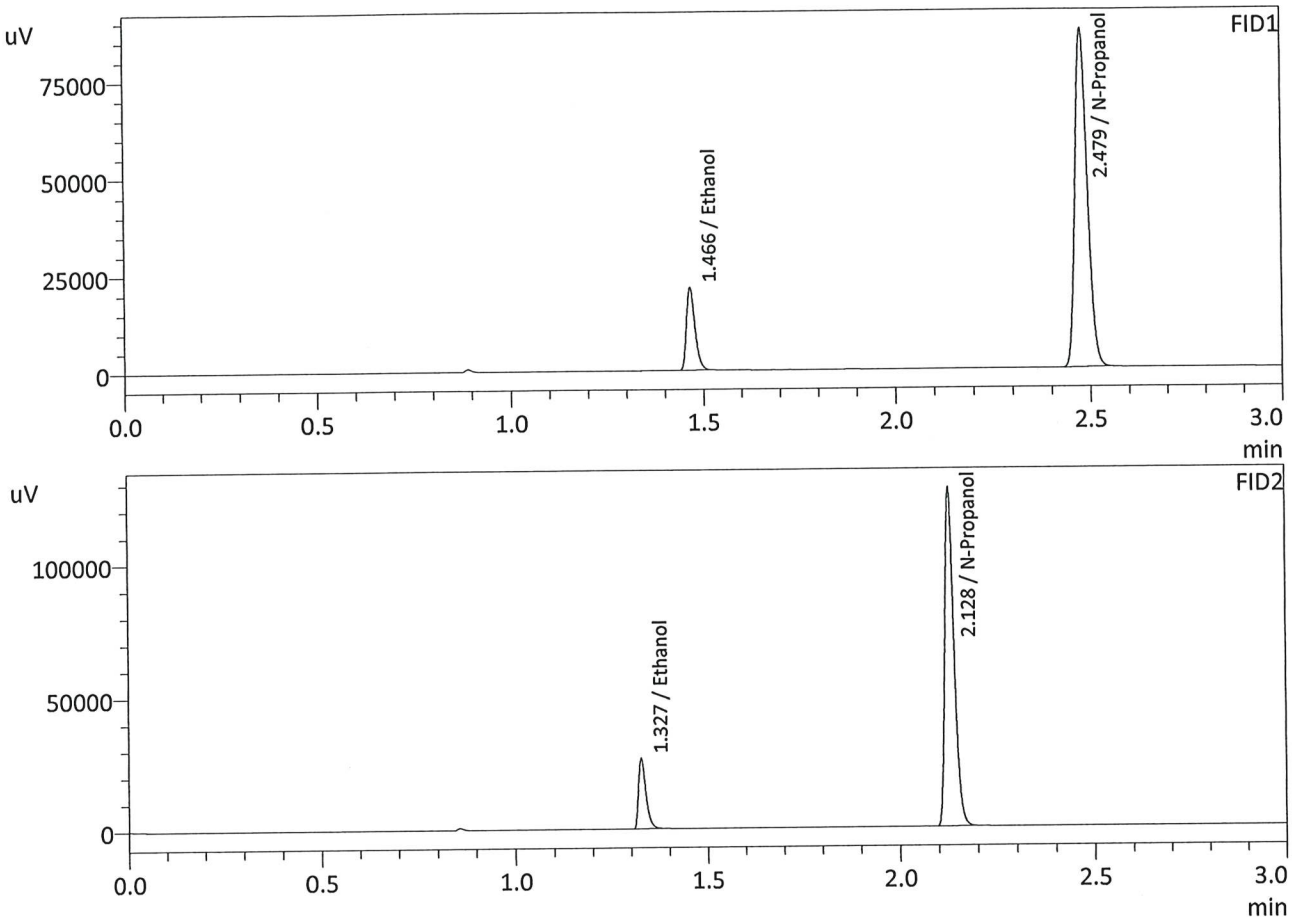
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0795	32543	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196421	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0794	35000	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	212860	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 1/27/2023 1:57:39 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	32802	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193419	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	35311	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210128	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Item #** **Analysis Date(s): 1/27/23**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2138	0.2140	0.0002	0.2139	0.0011	0.2144
(g/100cc)	0.2149	0.2151	0.0002	0.2150		

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%**

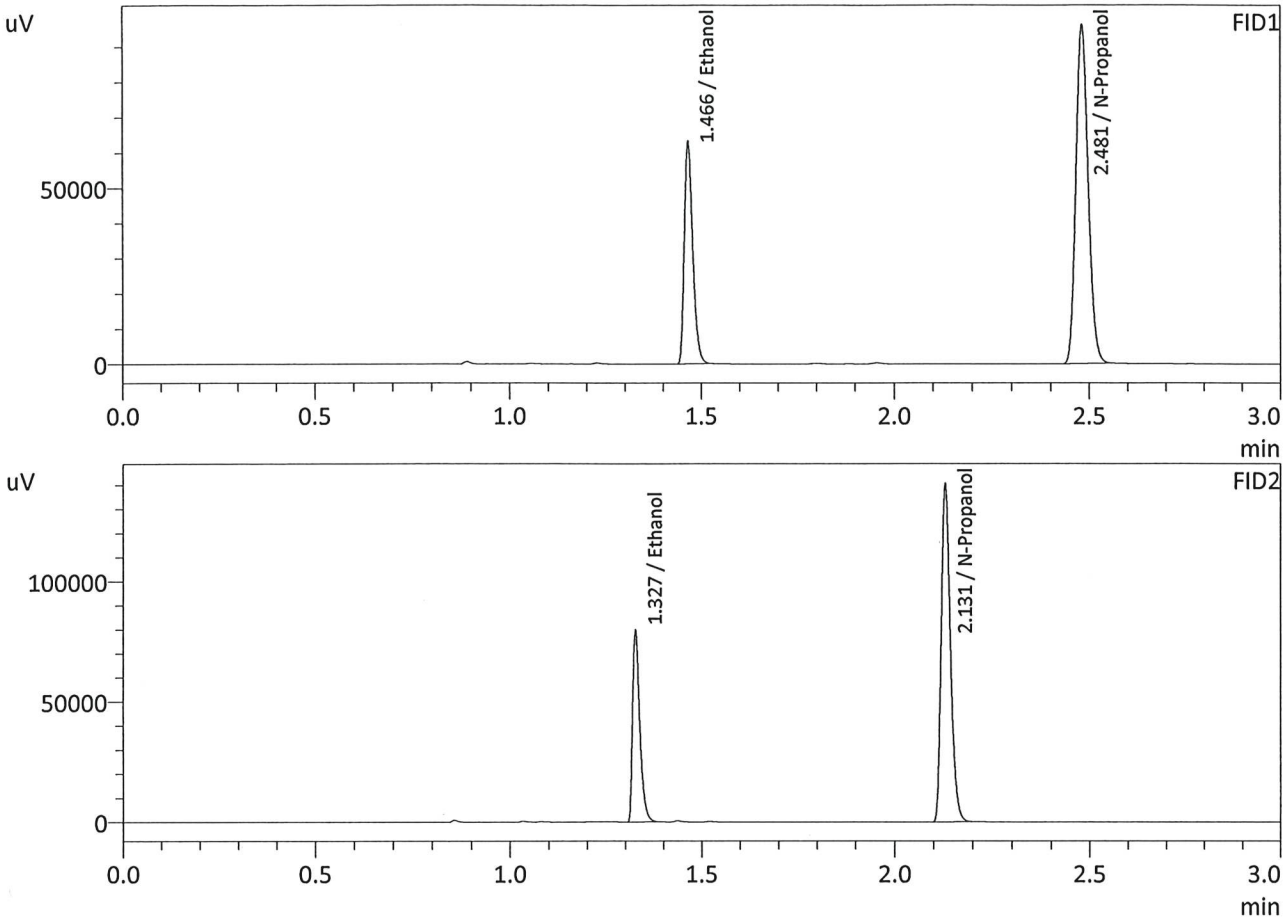
Overall Mean (g/100cc)	Low	High	5% of Mean
0.214	**0.203**	**0.225**	**0.011**

	Reported Result	Notes:
	0.214	

Calibration and control data are stored centrally.

JG

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 1/27/2023 4:30:52 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

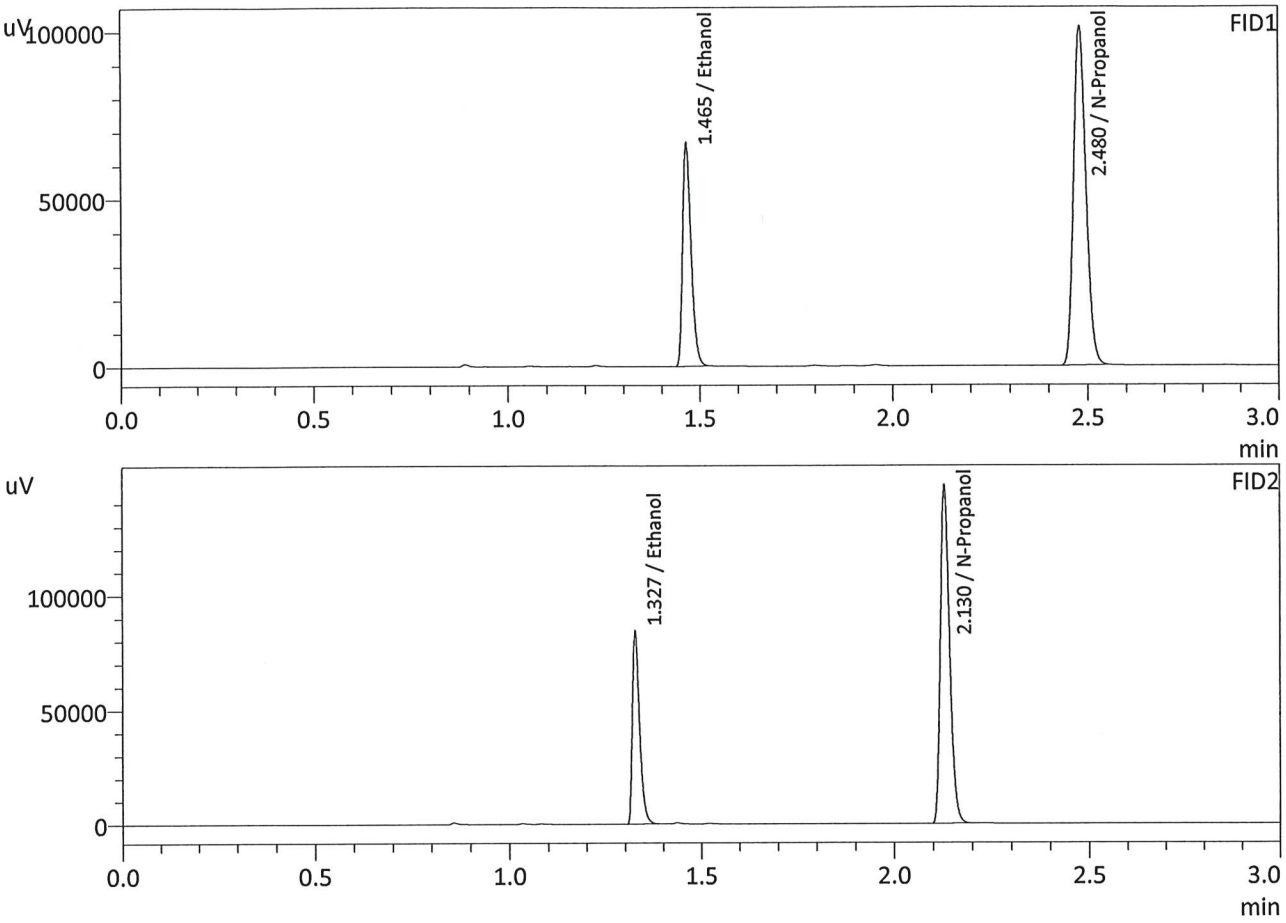
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2138	96939	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212669	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2140	105174	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	230976	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 1/27/2023 4:39:35 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2149	102196	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	223089	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2151	110979	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	242396	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Item #** **Analysis Date(s): 1/27/23**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0842	0.0842	0.0000	0.0842	0.0001	0.0841
(g/100cc)	0.0842	0.0841	0.0001	0.0841		

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

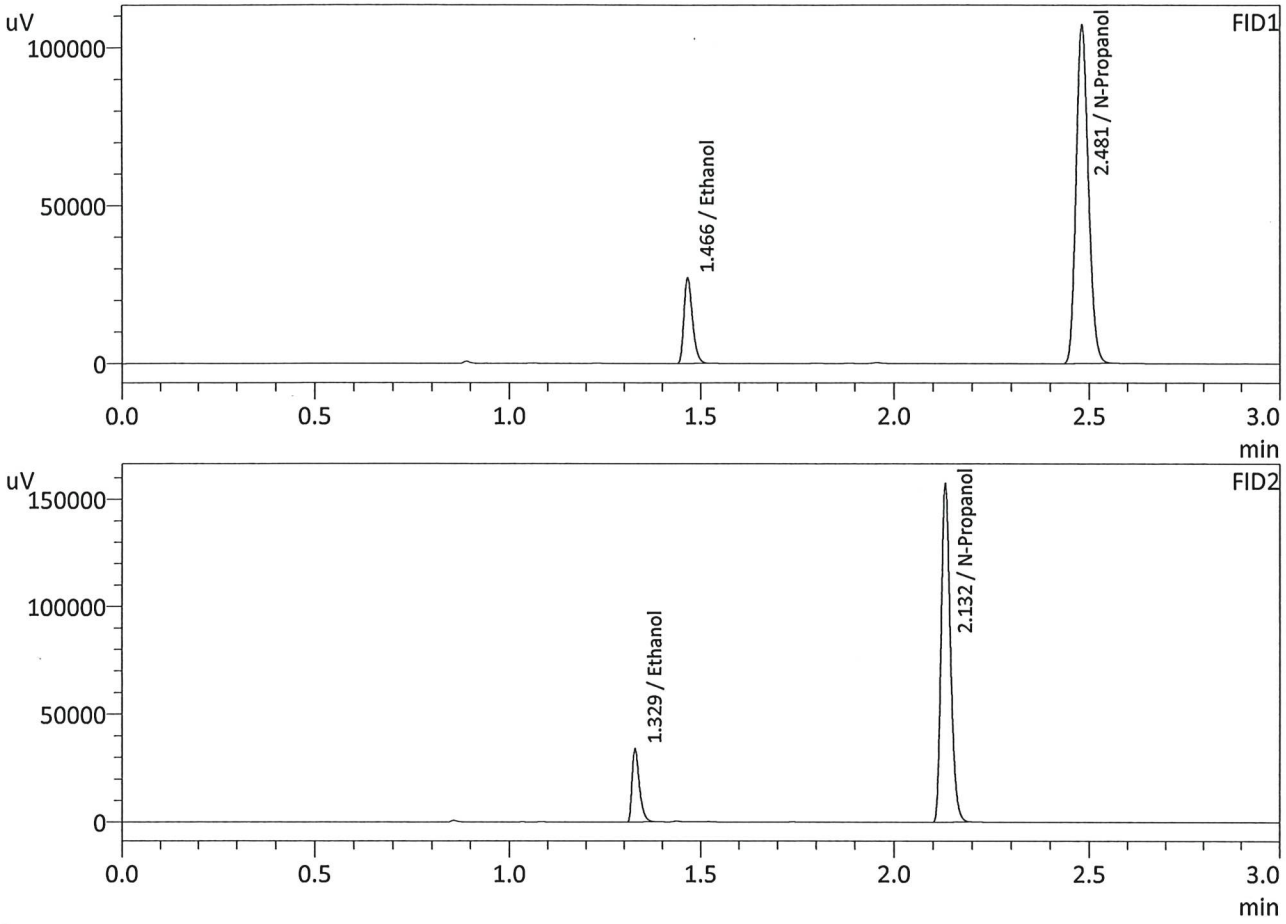
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.084	0.079	0.089	0.005

	Reported Result	Notes:
	0.084	

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 1/27/2023 7:29:37 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

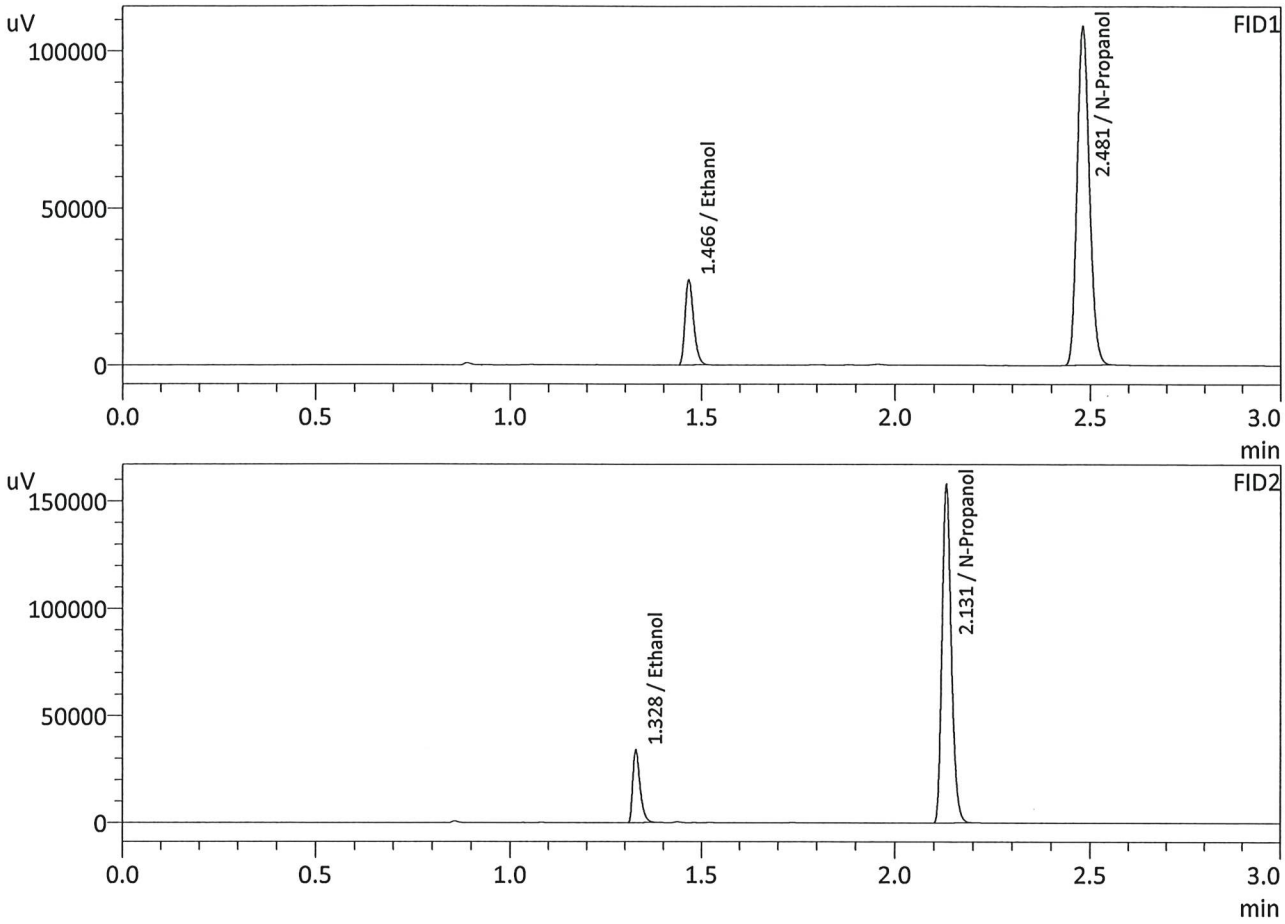
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0842	41799	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	237897	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0842	45230	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	258721	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 1/27/2023 7:39:36 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0842	41958	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	238677	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0841	45347	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	259593	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-2 **Item #** **Analysis Date(s): 1/27/23**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2153	0.2150	0.0003	0.2151	0.0028	0.2137
(g/100cc)	0.2124	0.2123	0.0001	0.2123		

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

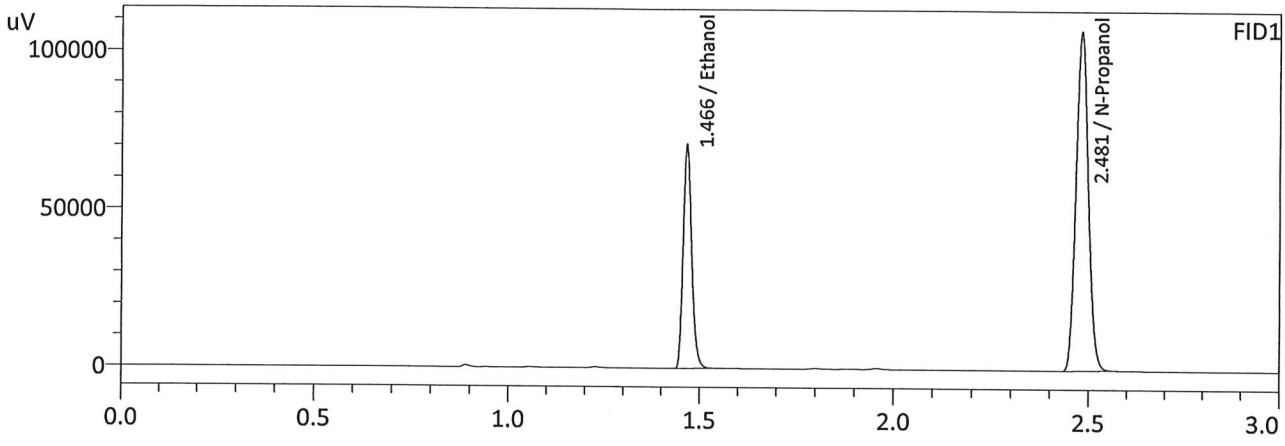
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

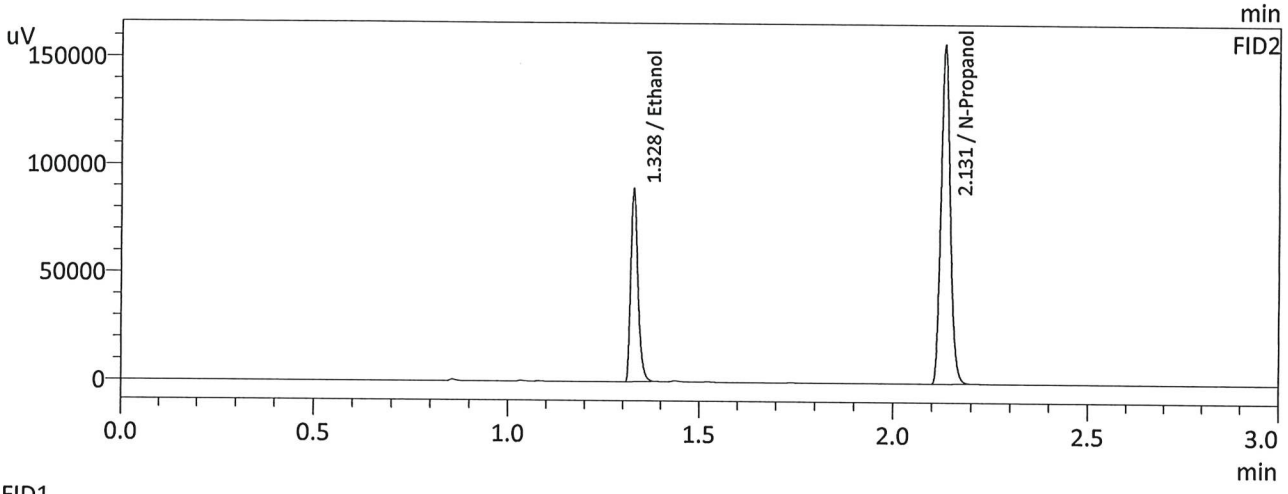
Overall Mean (g/100cc)	Low	High	5% of Mean
0.213	0.202	0.224	0.011

	Reported Result	
	0.213	Notes:

Calibration and control data are stored centrally.

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : 1/27/2023 7:47:23 PM
Vial # : 49
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

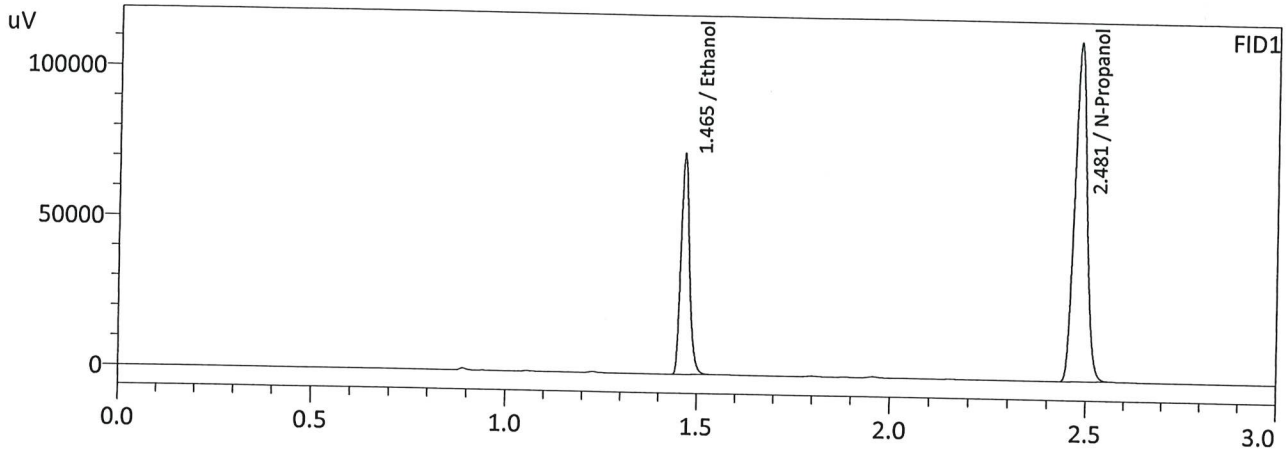
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2153	109124	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	237668	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

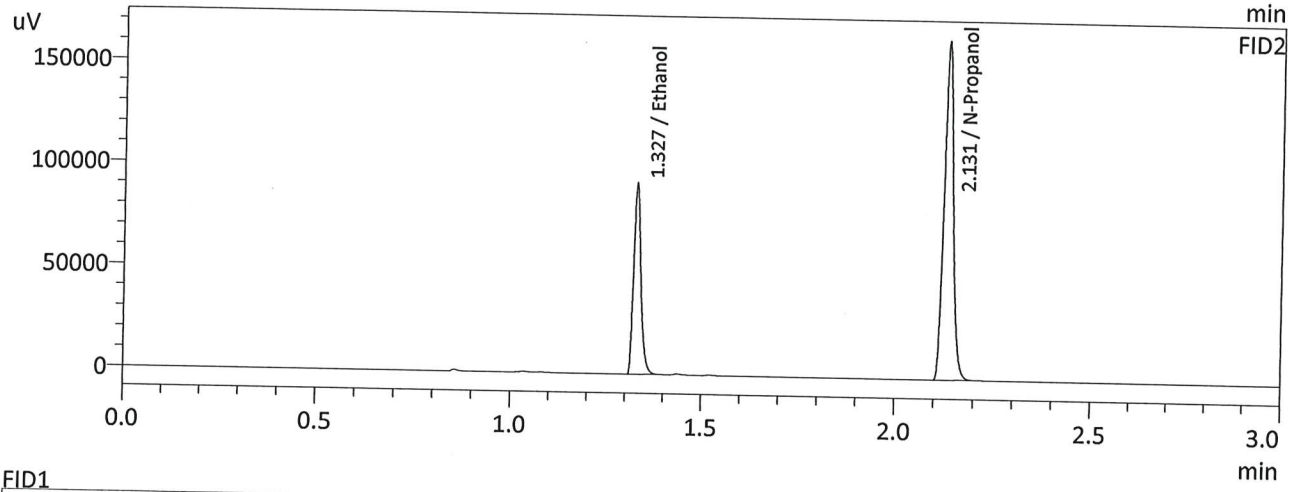
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2150	118260	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	258475	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 1/27/2023 7:54:52 PM
Vial # : 50
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2124	112948	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	249514	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2123	122478	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	271156	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

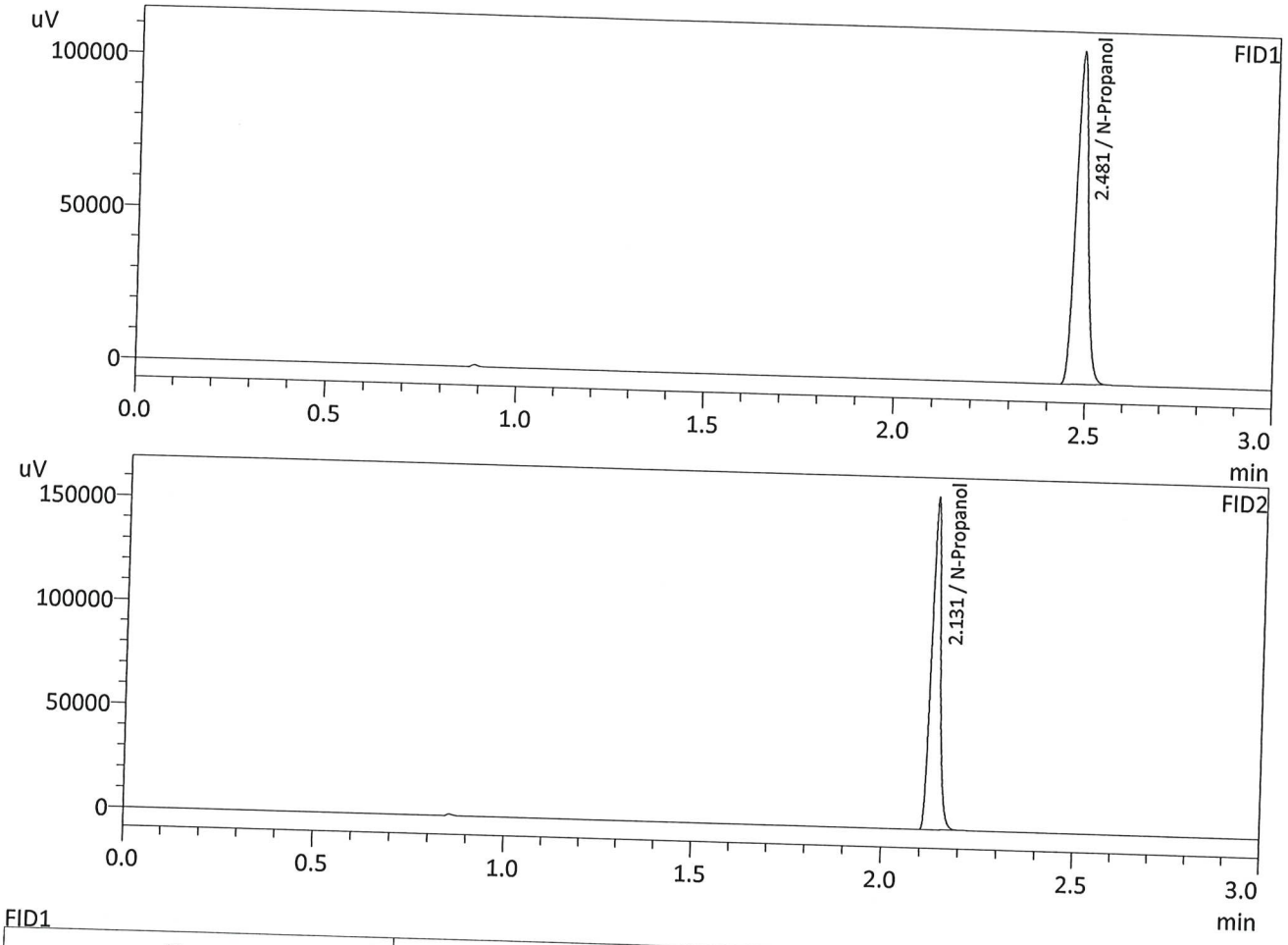
Meridian Blood Alcohol Analysis Batch Table

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

Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0604	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
7	M2023-0225-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
8	M2023-0225-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
9	M2023-0245-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
10	M2023-0245-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
11	M2023-0249-3-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
12	M2023-0249-3-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
13	M2023-0256-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
14	M2023-0256-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
15	M2023-0259-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
16	M2023-0259-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
17	M2023-0285-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
18	M2023-0285-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
19	M2023-0286-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
20	M2023-0286-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
21	M2023-0288-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
22	M2023-0288-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
23	M2023-0289-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
24	M2023-0289-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
27	M2023-0290-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
28	M2023-0290-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
29	M2023-0294-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
30	M2023-0294-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
31	M2023-0295-2-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
32	M2023-0295-2-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
33	M2023-0313-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
34	M2023-0313-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
35	M2023-0315-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
36	M2023-0315-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
37	M2023-0331-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
38	M2023-0331-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
39	M2023-0340-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
40	M2023-0340-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
41	M2023-0341-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
42	M2023-0341-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
43	P2023-0124-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
44	P2023-0124-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
45	P2023-0135-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
46	P2023-0135-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
49	QC2-2-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
50	QC2-2-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
51	INT STD BLK	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 1/27/2023 8:04:38 PM
Vial # : 51
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

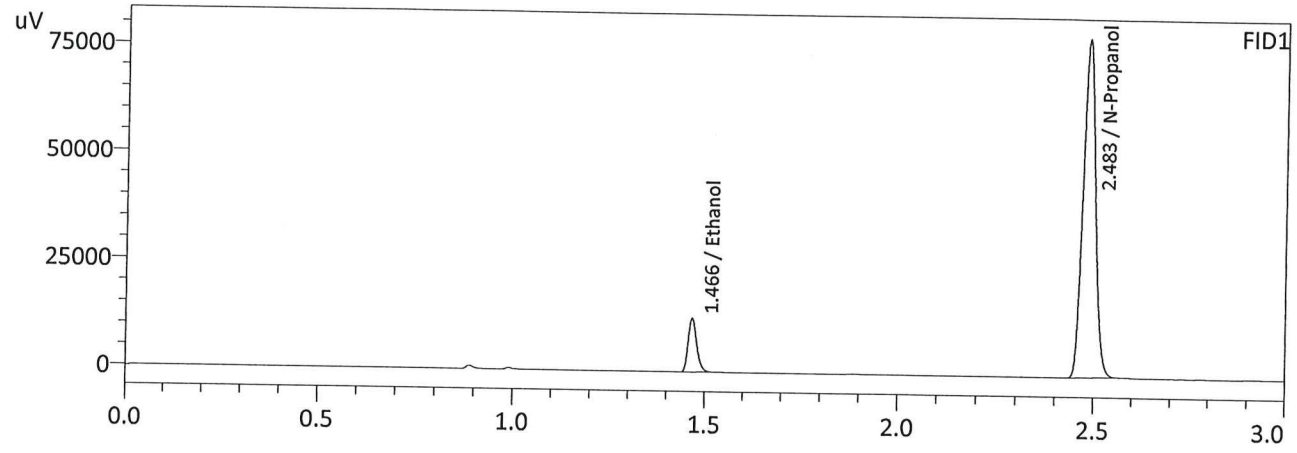
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	241412	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

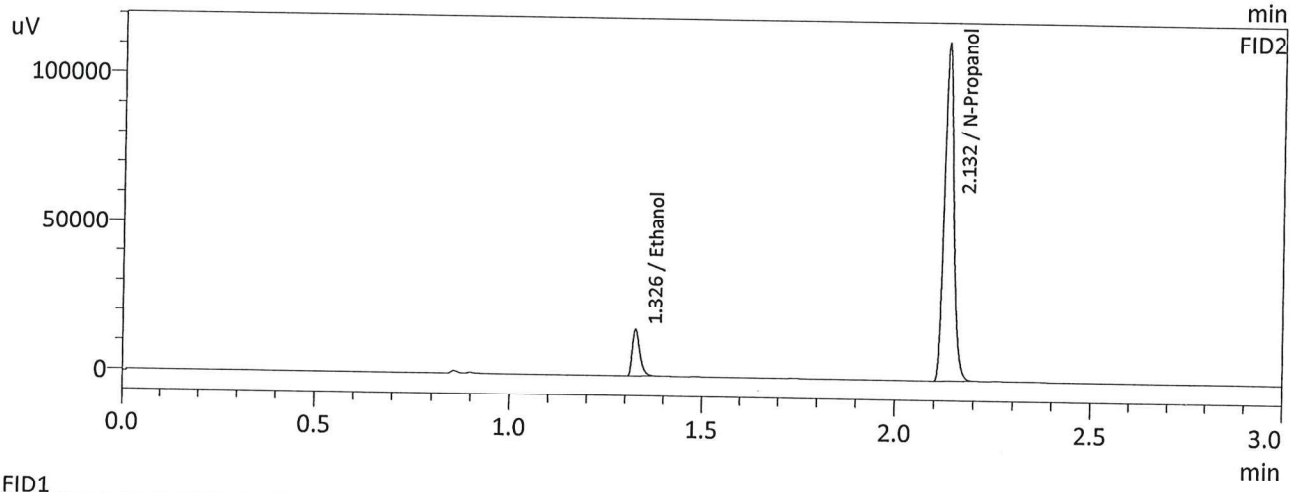
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	262538	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 1/20/2023 12:39:24 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

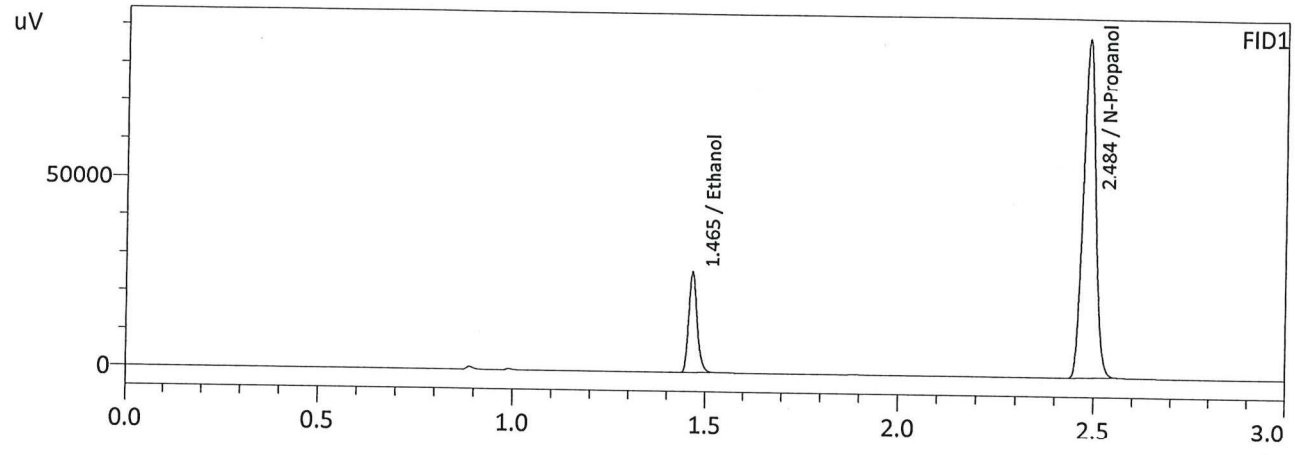
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0545	19473	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	174605	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

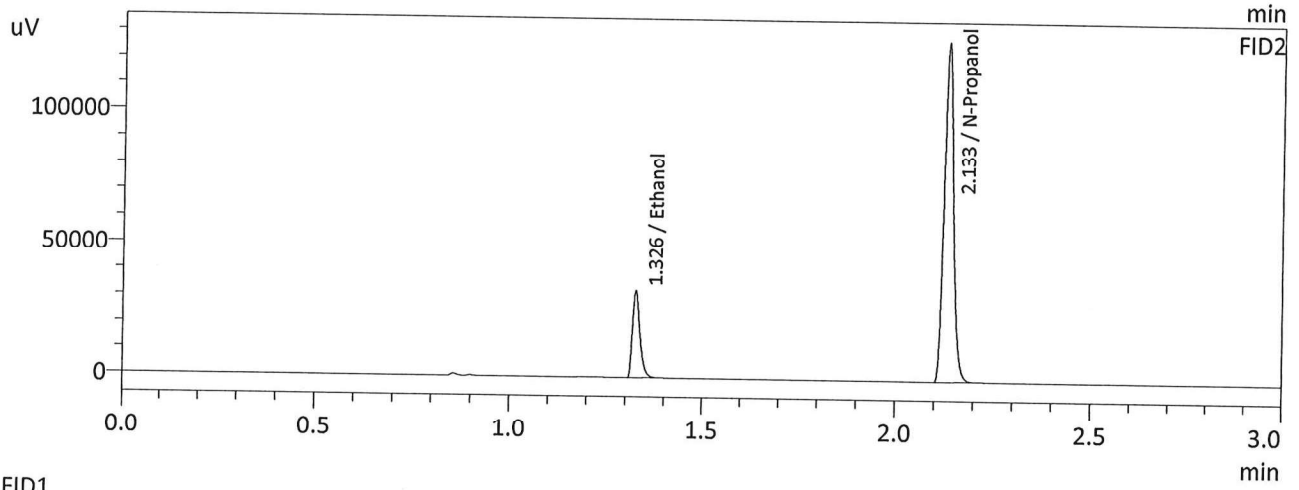
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0544	20893	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189057	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 1/20/2023 12:46:43 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

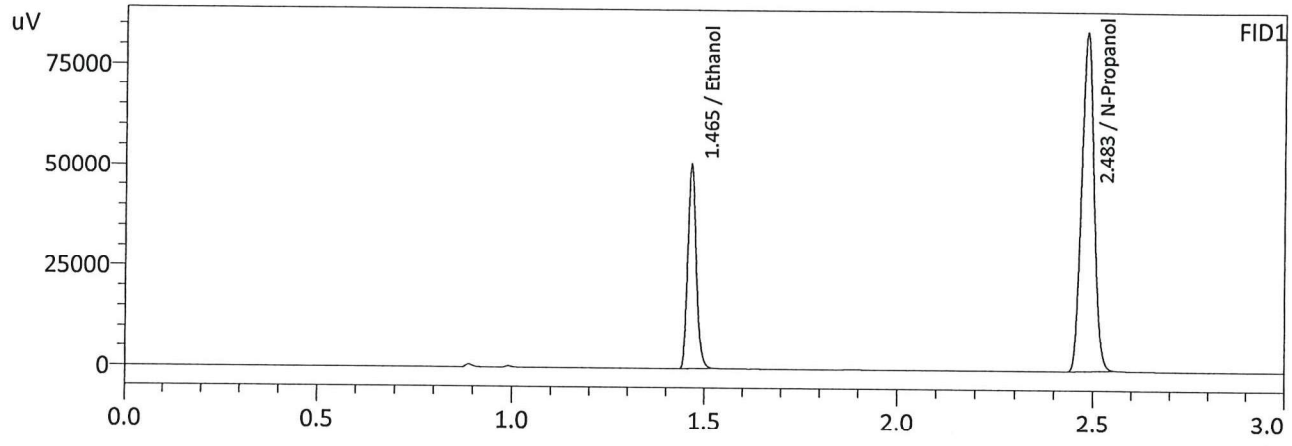
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0988	40821	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196928	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

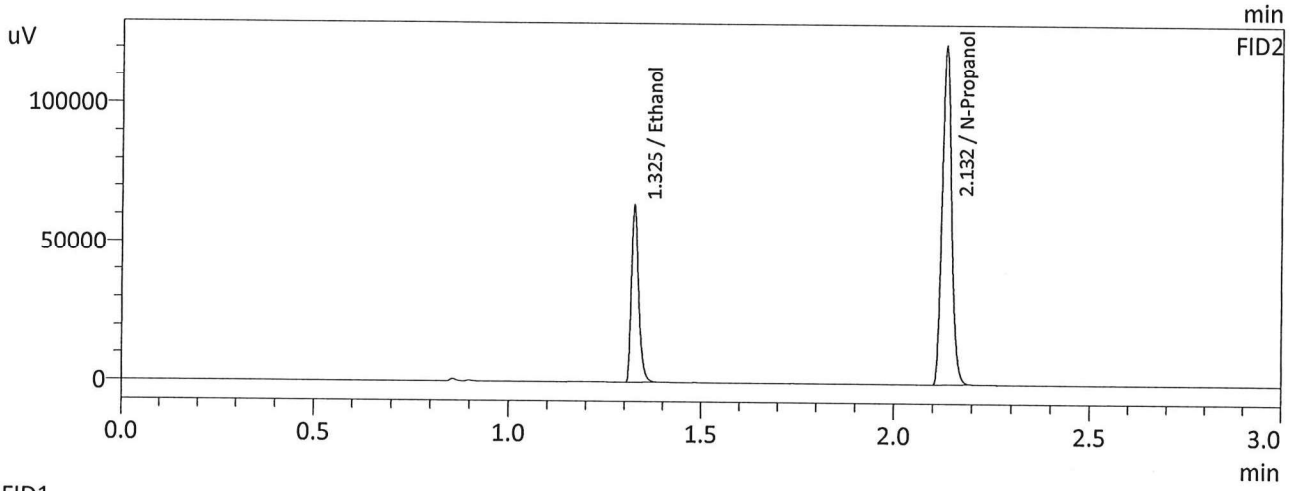
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0987	43939	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213180	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 1/20/2023 12:54:04 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

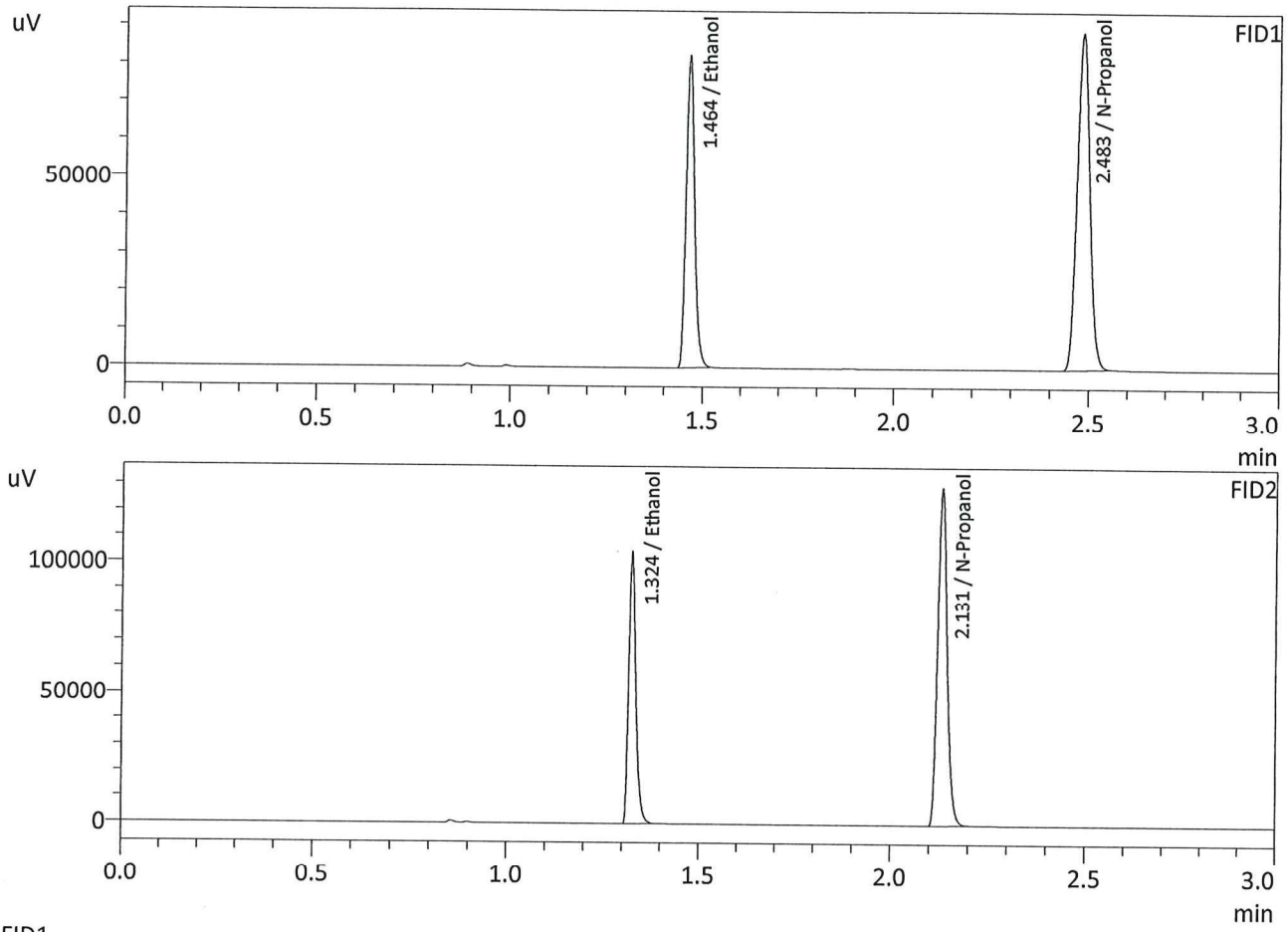
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1961	78146	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187186	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1961	84429	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202596	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 1/20/2023 1:03:02 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



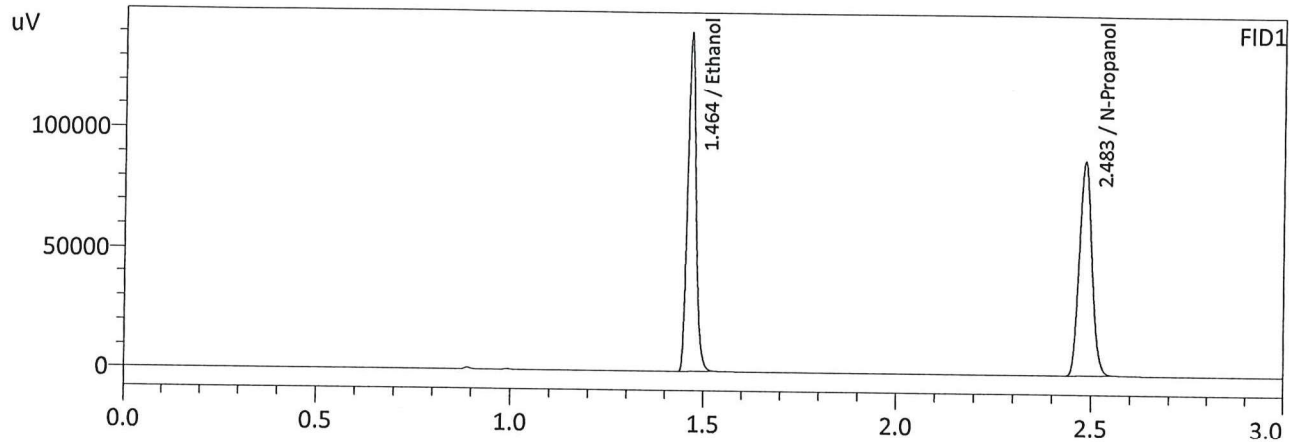
FID1

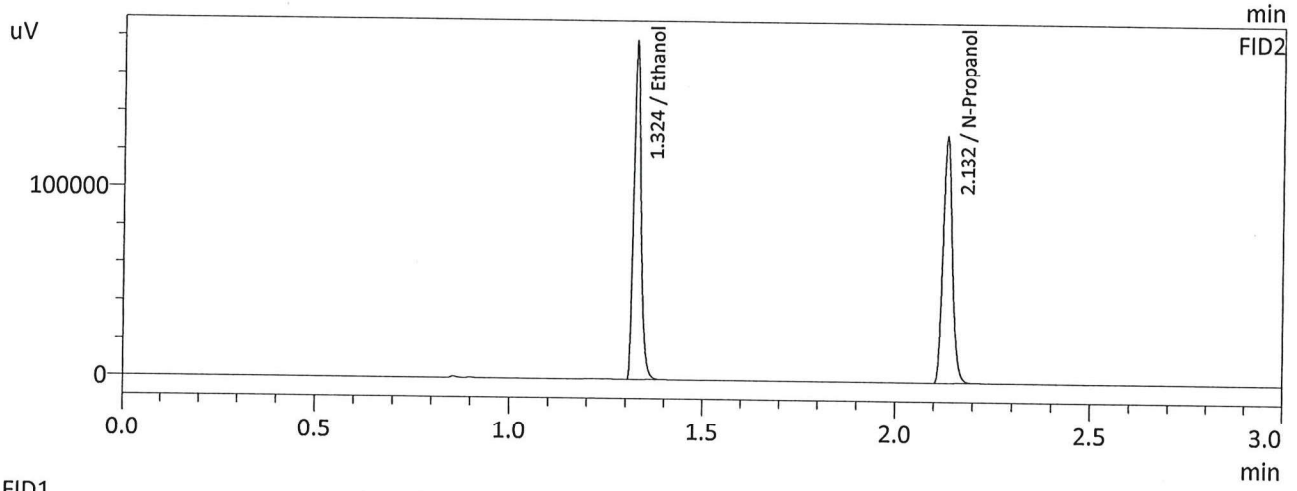
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2979	126328	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198152	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2982	136708	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214447	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 1/20/2023 1:10:20 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

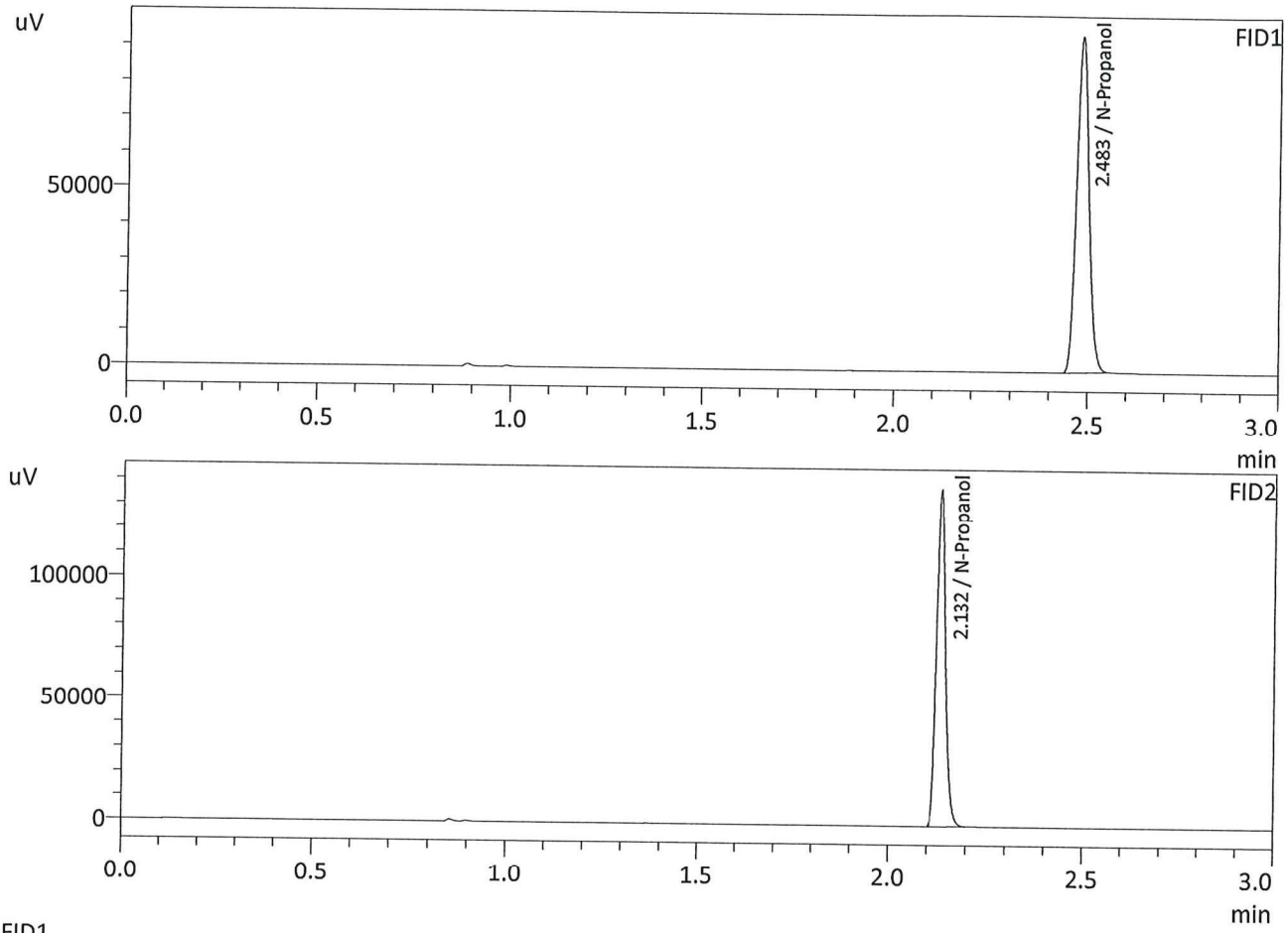
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5025	215831	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199913	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5023	233514	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216473	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

X

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 1/20/2023 1:18:44 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\230120\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	210634	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	228635	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

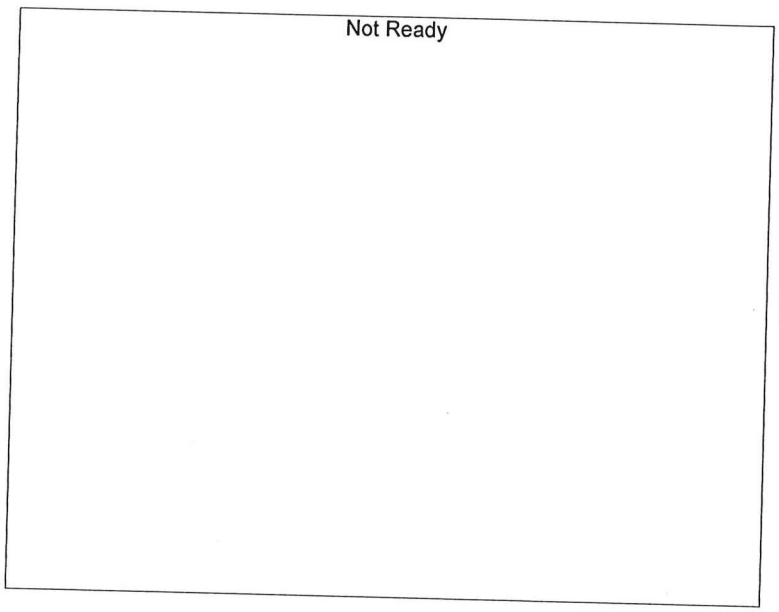
Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL.GCM
2	0.100	1:Standard	2	ALCOHOL.GCM
3	0.200	1:Standard	3	ALCOHOL.GCM
4	0.300	1:Standard	4	ALCOHOL.GCM
5	0.500	1:Standard	5	ALCOHOL.GCM
6	INT STD BLK	0:Unknown	0	ALCOHOL.GCM

JG

Calibration Table

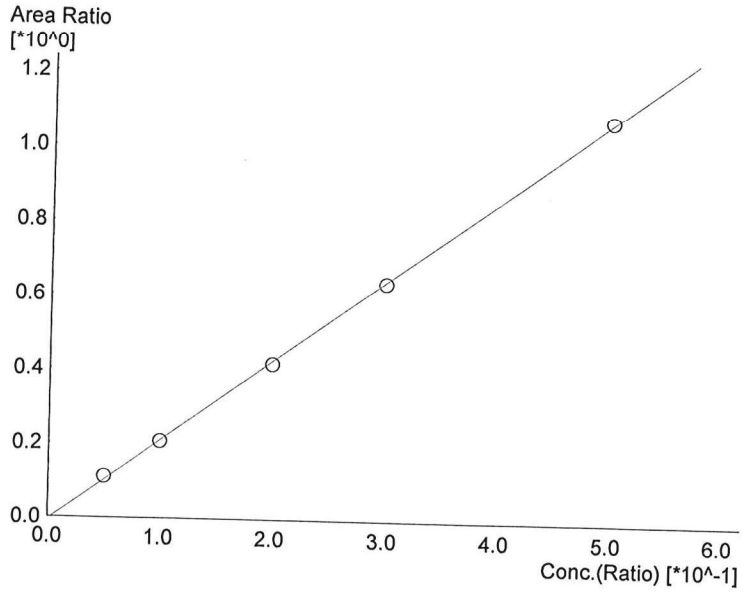
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\230120\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :1/20/2023 1:10:20 PM
Date Created :1/20/2023 1:06:10 PM
Date Modified :1/20/2023 1:13:21 PM



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

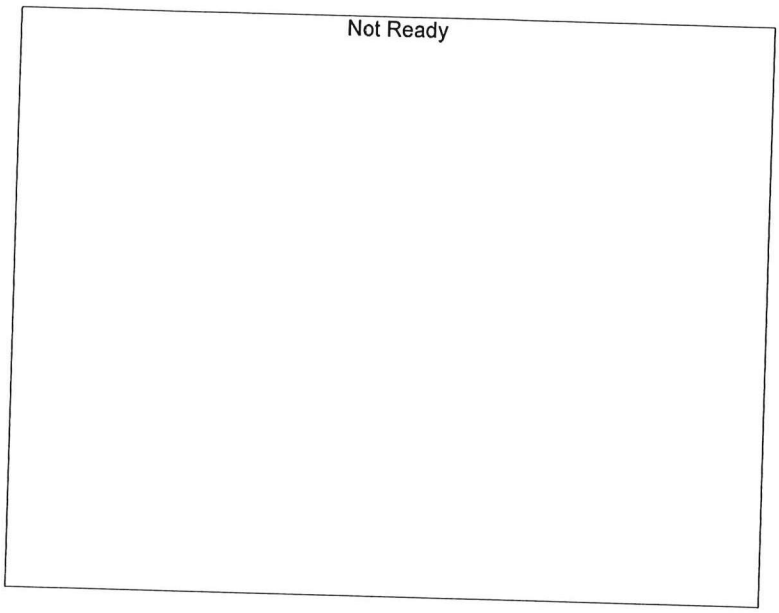
#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.16078*x-0.00628727
R^2 value= 0.9996283
FitType: Linear
ZeroThrough: Not Through

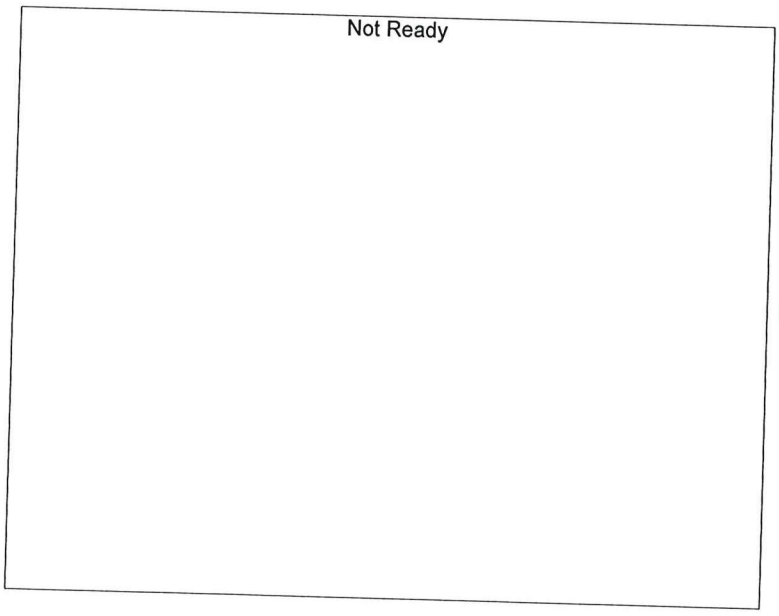
#	Conc.	Area	Std. Conc.
1	0.050	19473	0.0545
2	0.100	40821	0.0988
3	0.200	78146	0.1961
4	0.300	126328	0.2979
5	0.500	215831	0.5025

JG



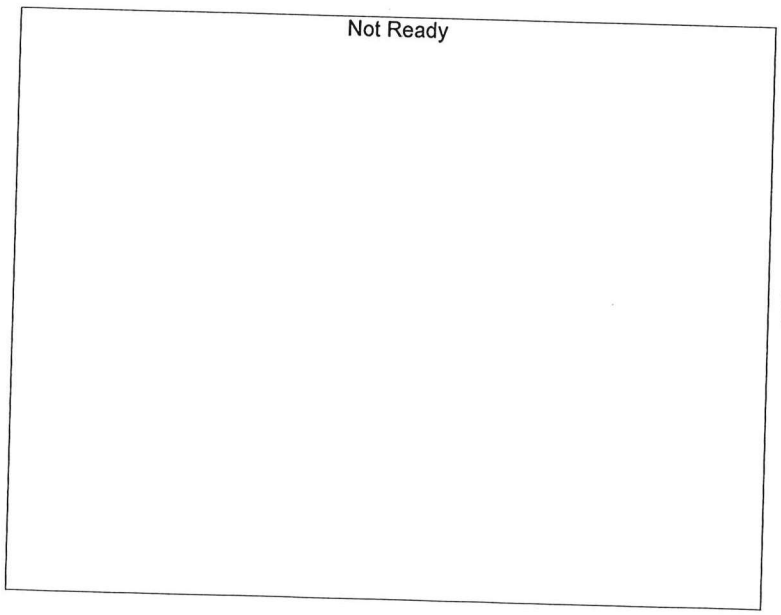
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



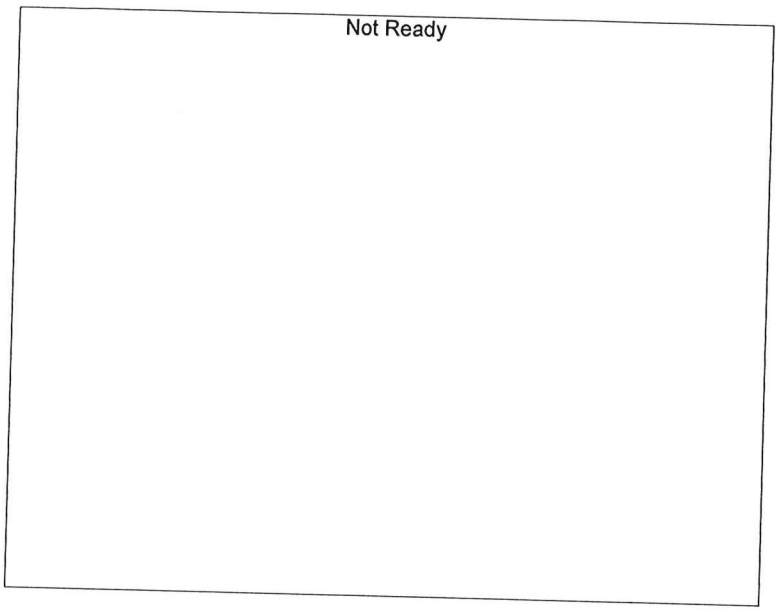
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



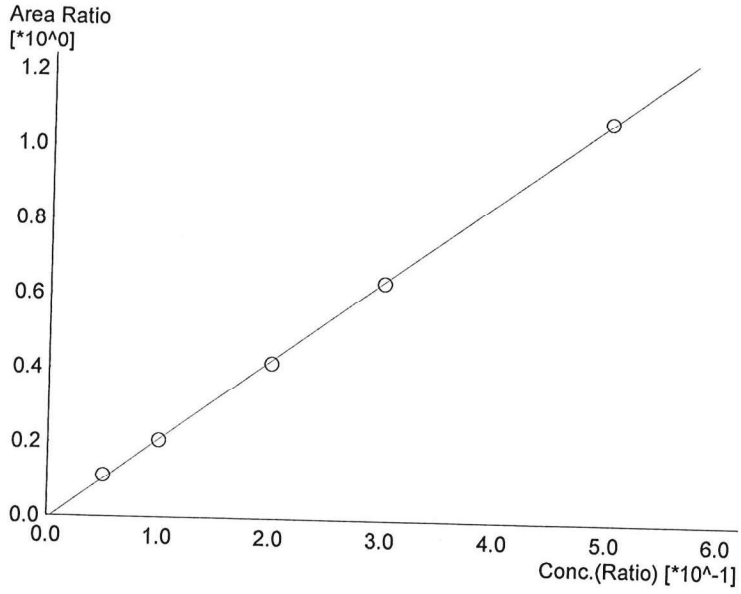
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



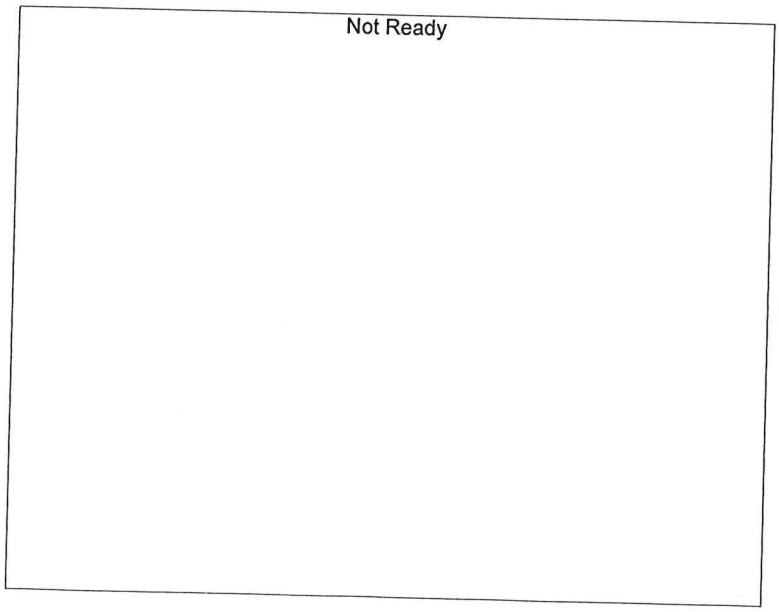
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.16164*x-0.00726304
R^2 value= 0.9996462
FitType: Linear
ZeroThrough: Not Through

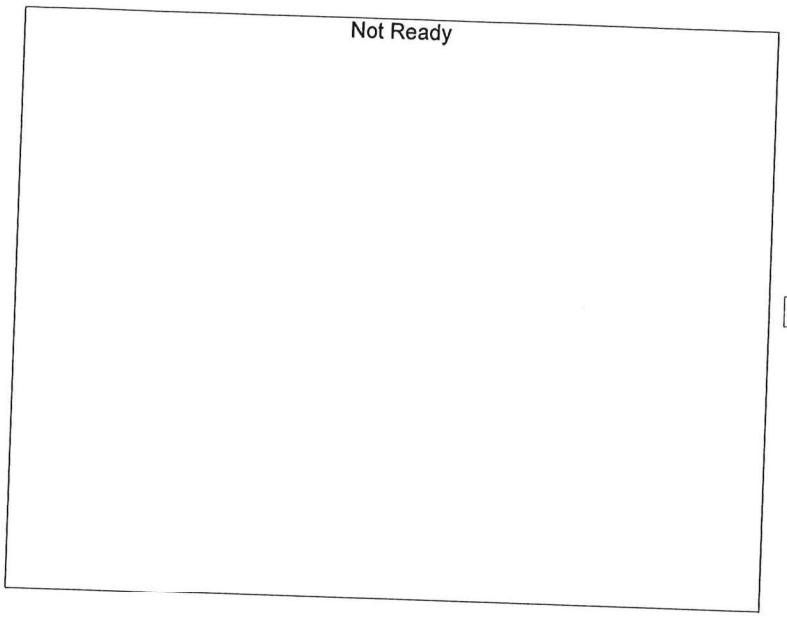
#	Conc.	Area	Std. Conc.
1	0.050	20893	0.0544
2	0.100	43939	0.0987
3	0.200	84429	0.1961
4	0.300	136708	0.2982
5	0.500	233514	0.5023



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

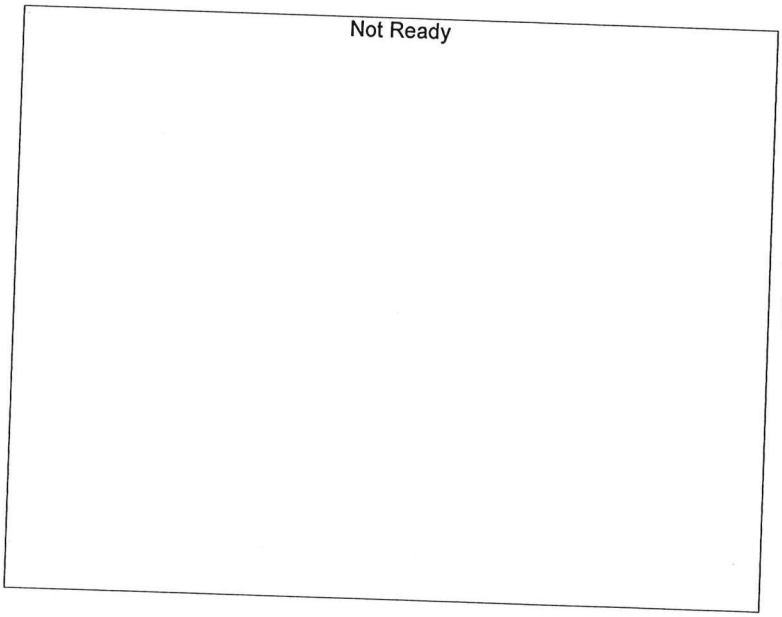
#	Conc.	Area	Std. Conc.

16



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