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): 04/21/20-04/22/20**

Calibration Date(s): 04/08/20

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0721-0.0893	0.0794 g/100cc
					0.0813 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1999 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:			**Lot #**	FN06041502	ok
Curve Fit:		**Column 1**	0.99998	**Column2**	0.99991

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0508	0.0526	0.0018	0.0517
100	0.100	0.090 - 0.110	0.1001	0.0998	0.0003	0.0999
200	0.200	0.180 - 0.220	0.1997	0.1984	0.0013	0.1990
300	0.300	0.270 - 0.330	0.2984	0.2970	0.0014	0.2977
400	0.400	0.360 - 0.440	NA	NA	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5010	0.5022	0.0012	0.5016

Aqueous Controls

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

REVIEWED

By Jeremy Johnston at 7:04 am, Apr 27, 2020

JC

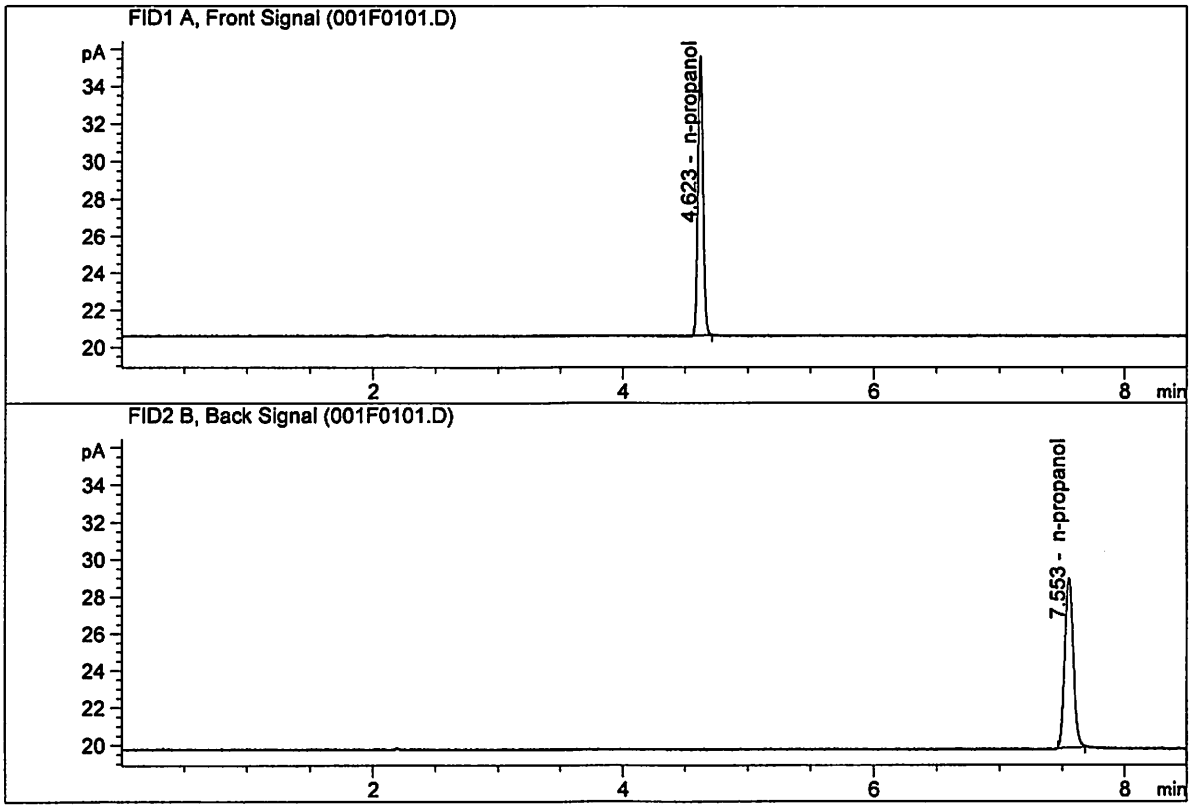
Revision: 2
Issue Date: 12/23/2019
Issuing Authority: Quality Manager

Worklist: 4184

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-1273	1	BCK	Alcohol Analysis
M2020-1274	1	BCK	Alcohol Analysis
M2020-1304	1	BCK	Alcohol Analysis
M2020-1305	1	BCK	Alcohol Analysis
M2020-1307	1	BCK	Alcohol Analysis
M2020-1307	2	BCK	Alcohol Analysis
M2020-1307	3	BCK	Alcohol Analysis
M2020-1307	4	BCK	Alcohol Analysis
M2020-1313	1	BCK	Alcohol Analysis
M2020-1314	1	BCK	Alcohol Analysis
M2020-1318	1	BCK	Alcohol Analysis
M2020-1352	1	BCK	Alcohol Analysis
M2020-1355	1	BCK	Alcohol Analysis
M2020-1382	1	BCK	Alcohol Analysis

ISP Forensic Services Blood Alcohol Report

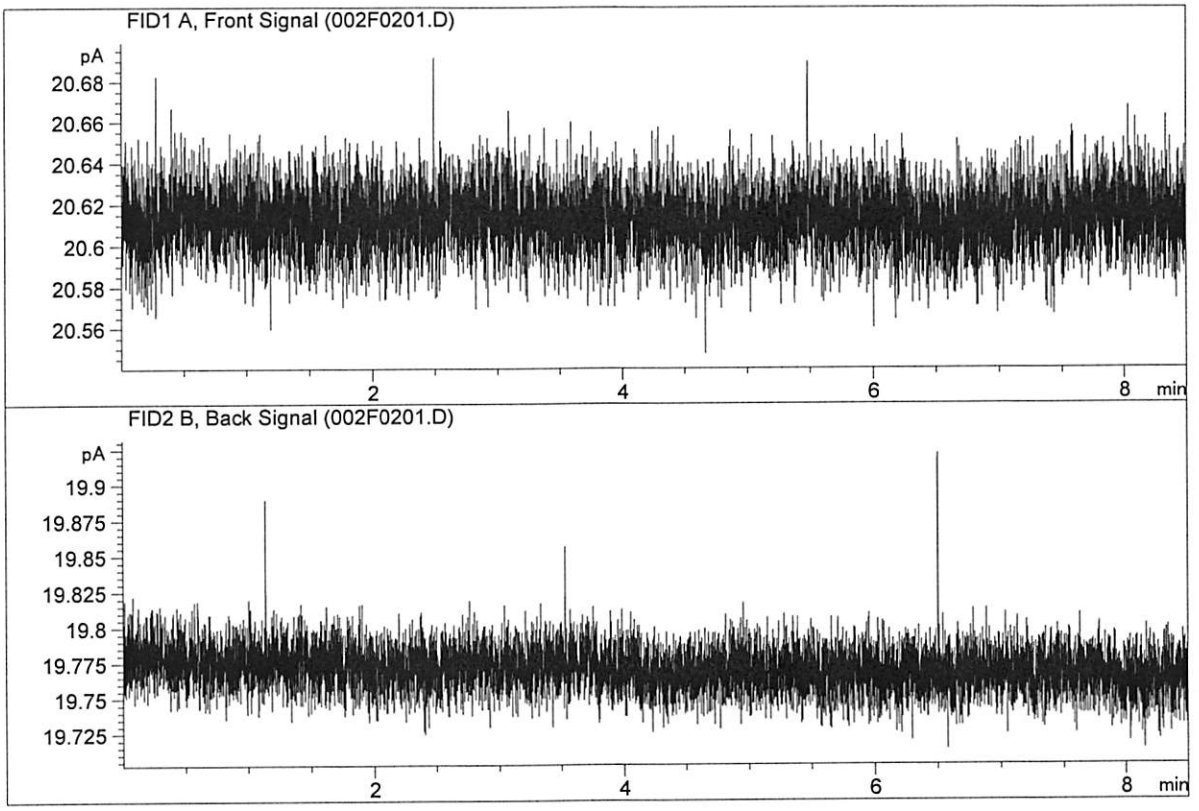
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.50003	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.03292	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

Reran 4/22/20 due to failed injection
See note JC 4/22/20

JC

Mix volatiles sample run on 4/21/20 did not inject. Sample reran 4/22/20 for qualitative purposes. This sample was run on the same calibration curve within the 14 days requirement. Approved by discipline lead Jeremy Johnson.

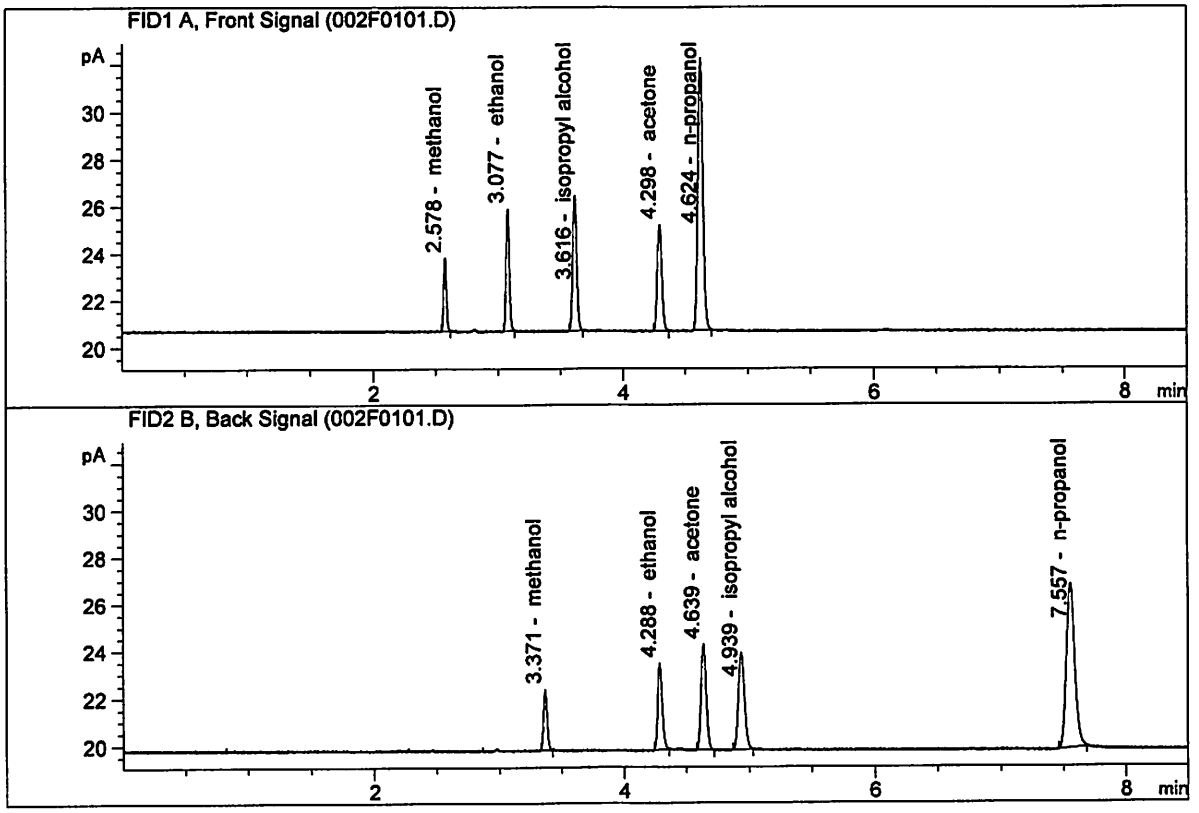
4.2.2.4.2 To qualitatively identify a peak in a sample that was run as part of a regular sequence run for alcohol, the analyst needs only to run the qualitative confirmation standard mixed with internal standard of the same chemical component as the original sample run for comparison purposes. The qualitative standard should be run within 72 hours of the sample in question.

John Garner 4/22/20

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Apr 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.26915	0.1385	g/100cc
2.	Ethanol	Column 2:	9.60178	0.1381	g/100cc
3.	n-Propanol	Column 1:	32.48227	1.0000	g/100cc
4.	n-Propanol	Column 2:	33.34130	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 21 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0792	0.0797	0.0005	0.0794	0.0001	0.0794
(g/100cc)	0.0793	0.0794	0.0001	0.0793		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

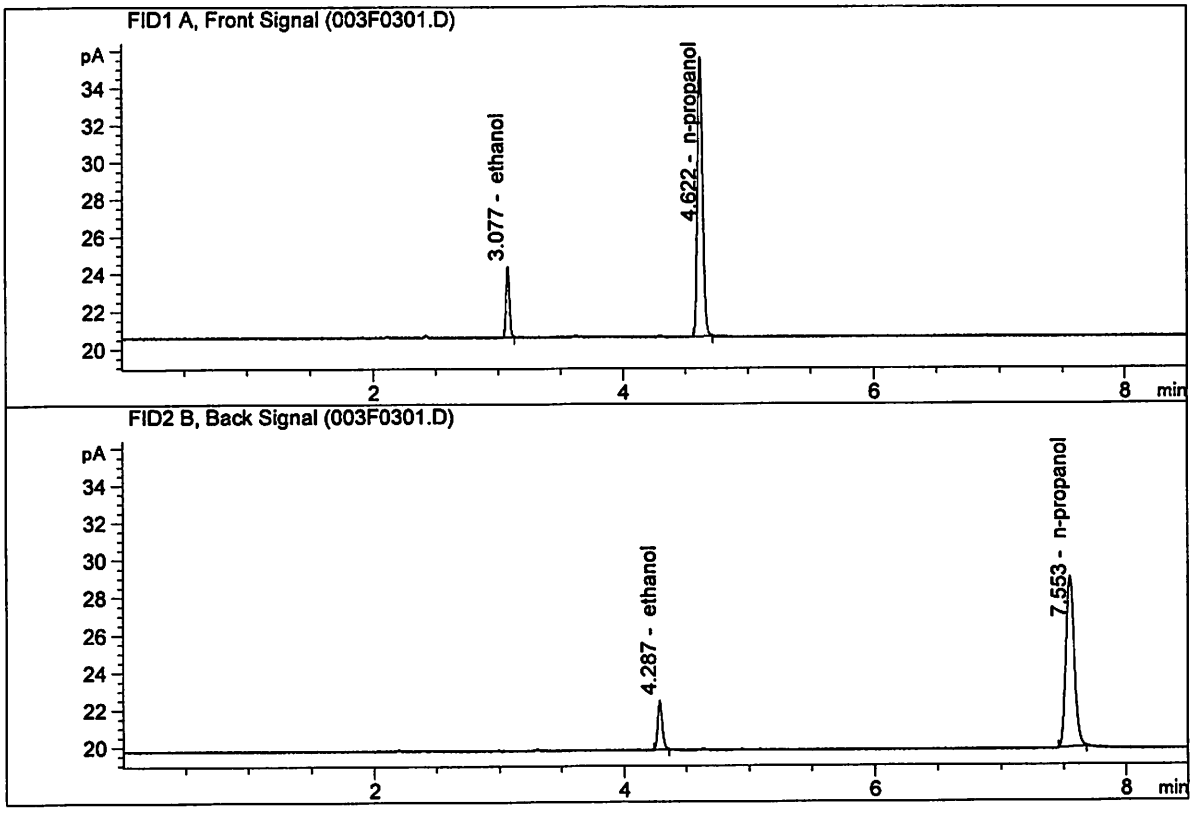
	Reported Result	
	0.079	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

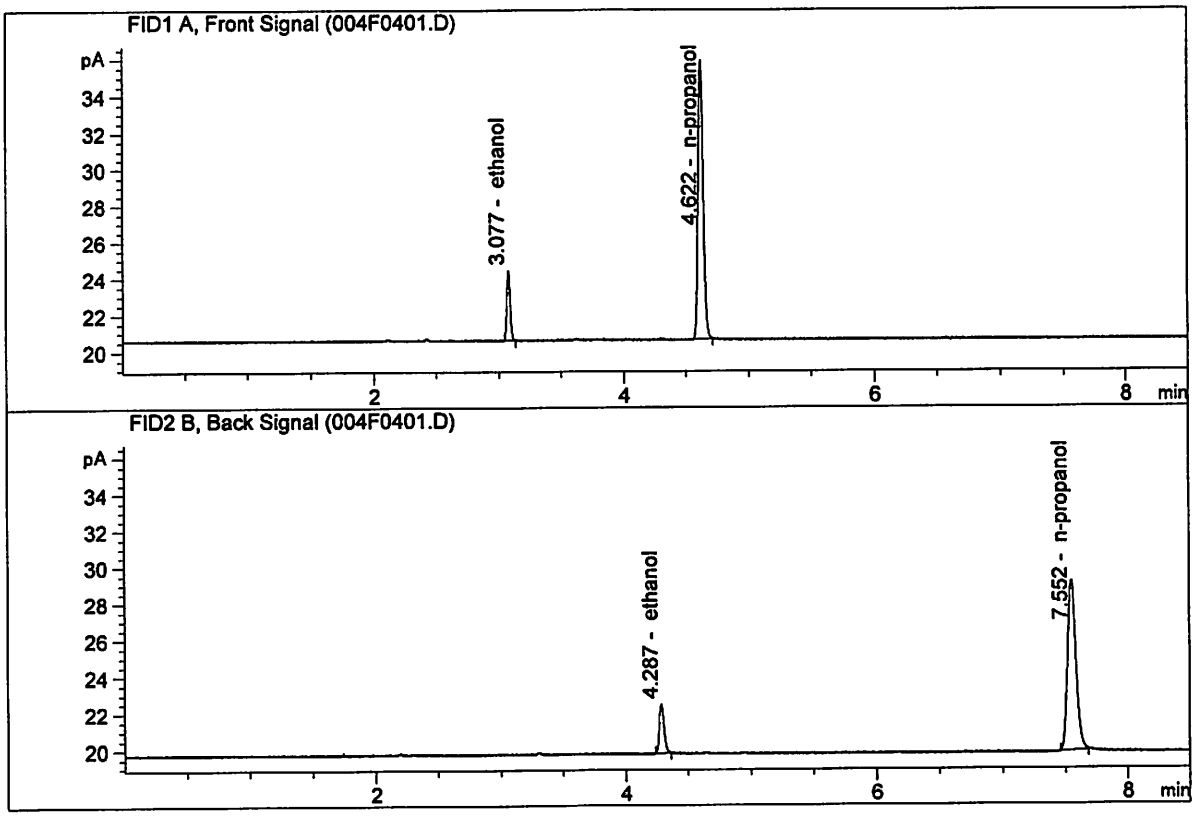


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.89873	0.0792	g/100cc
2.	Ethanol	Column 2:	7.07398	0.0797	g/100cc
3.	n-Propanol	Column 1:	42.65394	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.88604	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.01717	0.0793	g/100cc
2.	Ethanol	Column 2:	7.14346	0.0794	g/100cc
3.	n-Propanol	Column 1:	43.37516	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.50821	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 21 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0808	0.0004	0.0806	0.0005	0.0803
(g/100cc)	0.0800	0.0803	0.0003	0.0801		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

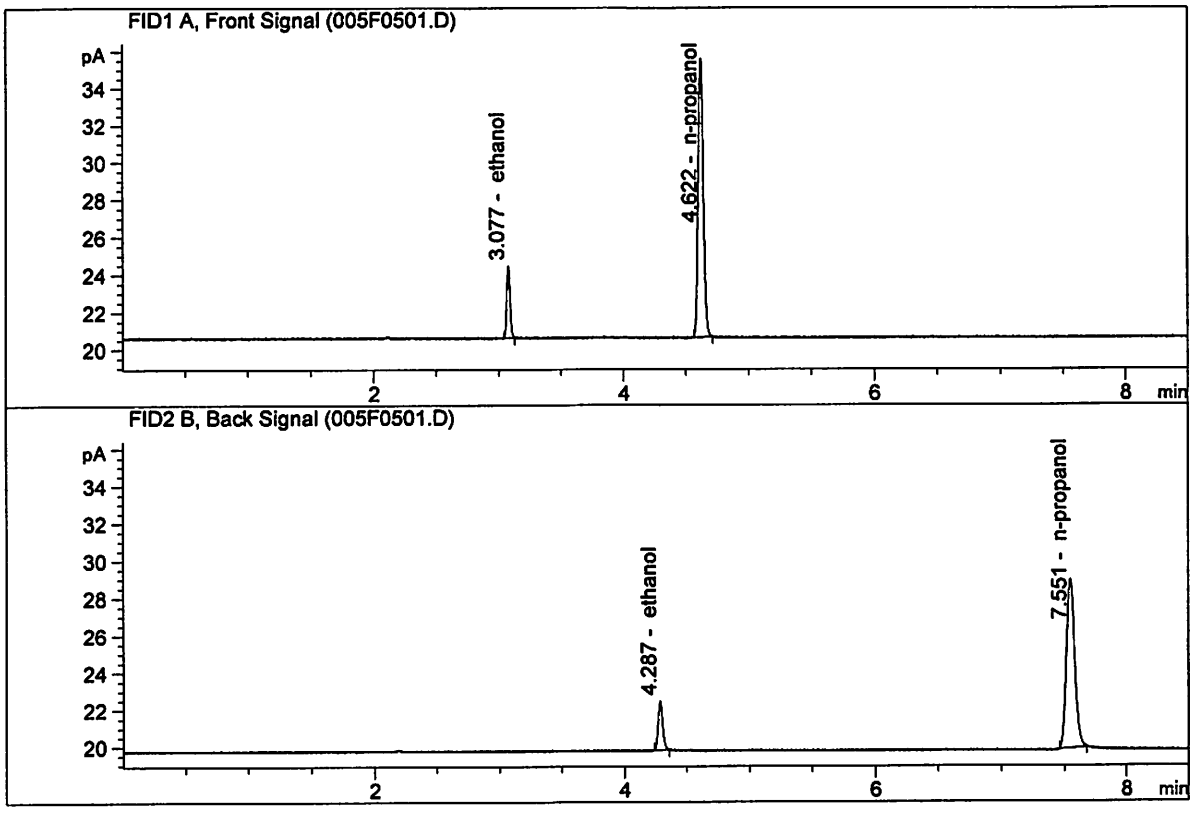
	Reported Result	
	0.080	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

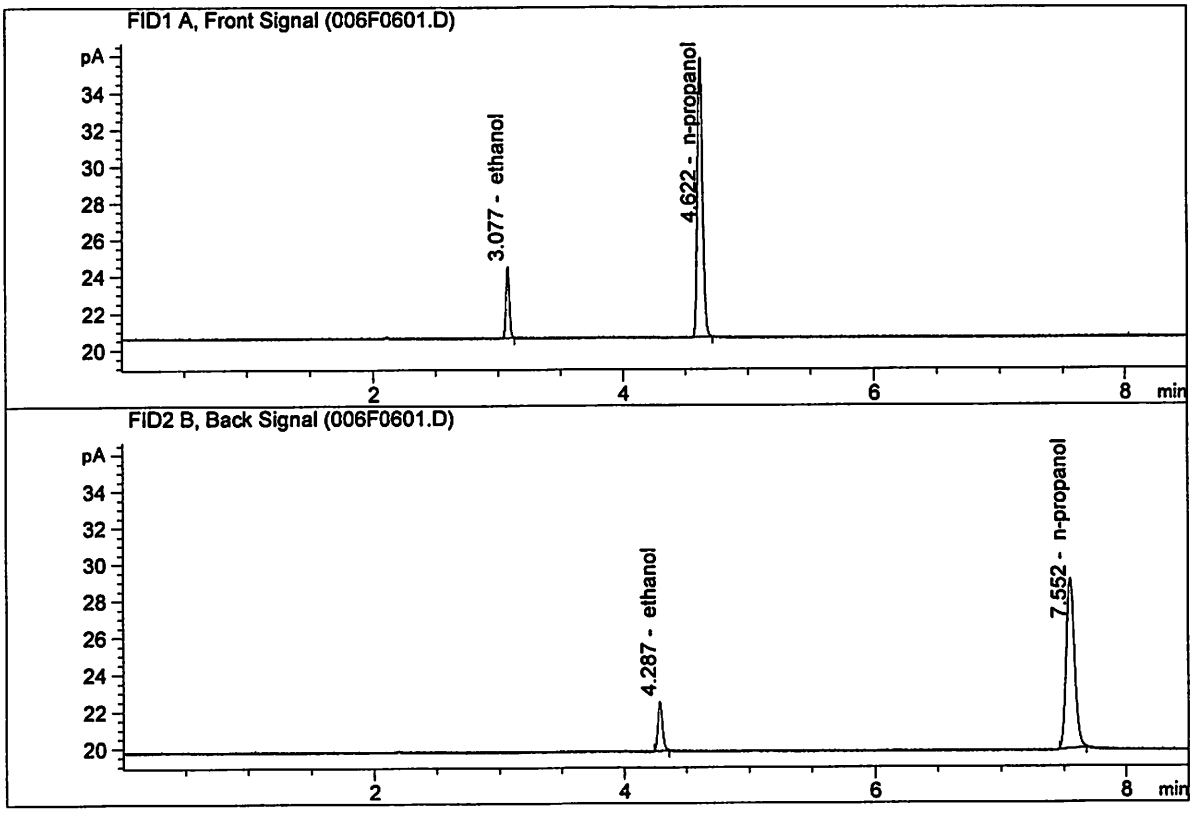


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.98548	0.0804	g/100cc
2.	Ethanol	Column 2:	7.09342	0.0808	g/100cc
3.	n-Propanol	Column 1:	42.53316	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.35670	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.06119	0.0800	g/100cc
2.	Ethanol	Column 2:	7.16432	0.0803	g/100cc
3.	n-Propanol	Column 1:	43.22321	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.05924	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 21 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2006	0.2006	0.0000	0.2006	0.0014	0.1999
(g/100cc)	0.1995	0.1990	0.0005	0.1992		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	0.189	0.209	0.010

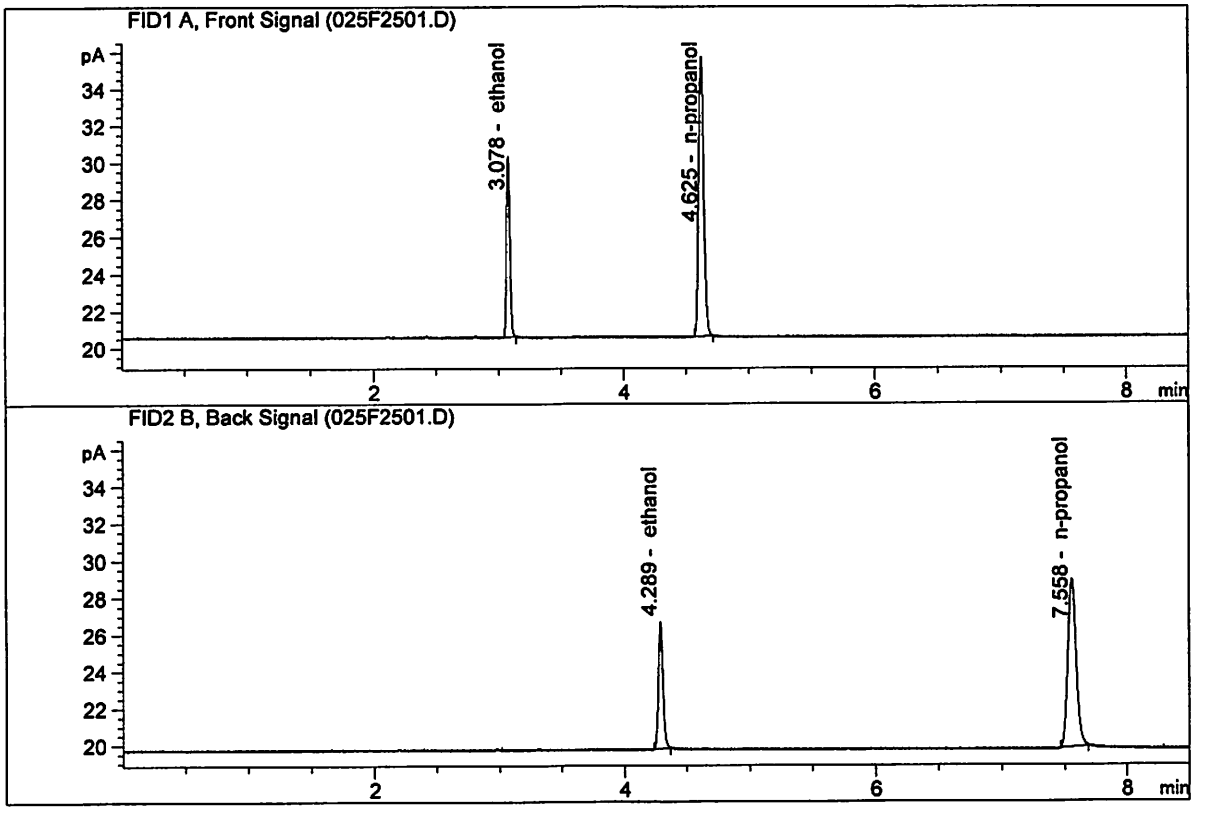
	Reported Result	
	0.199	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

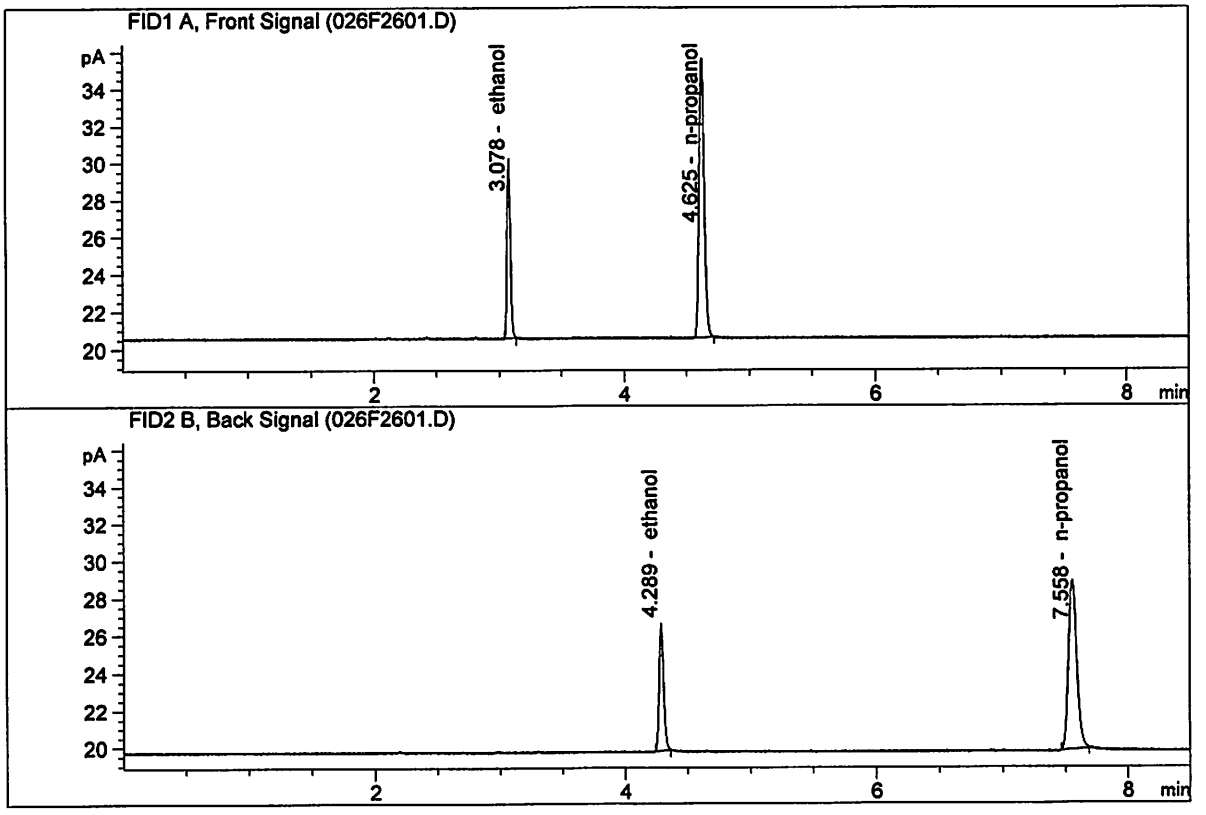
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.80558	0.2006	g/100cc
2.	Ethanol	Column 2:	18.46552	0.2006	g/100cc
3.	n-Propanol	Column 1:	42.92797	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.58871	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.62562	0.1995	g/100cc
2.	Ethanol	Column 2:	18.18789	0.1990	g/100cc
3.	n-Propanol	Column 1:	42.73711	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.29358	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 21 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0819	0.0010	0.0814	0.0002	0.0813
(g/100cc)	0.0810	0.0815	0.0005	0.0812		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

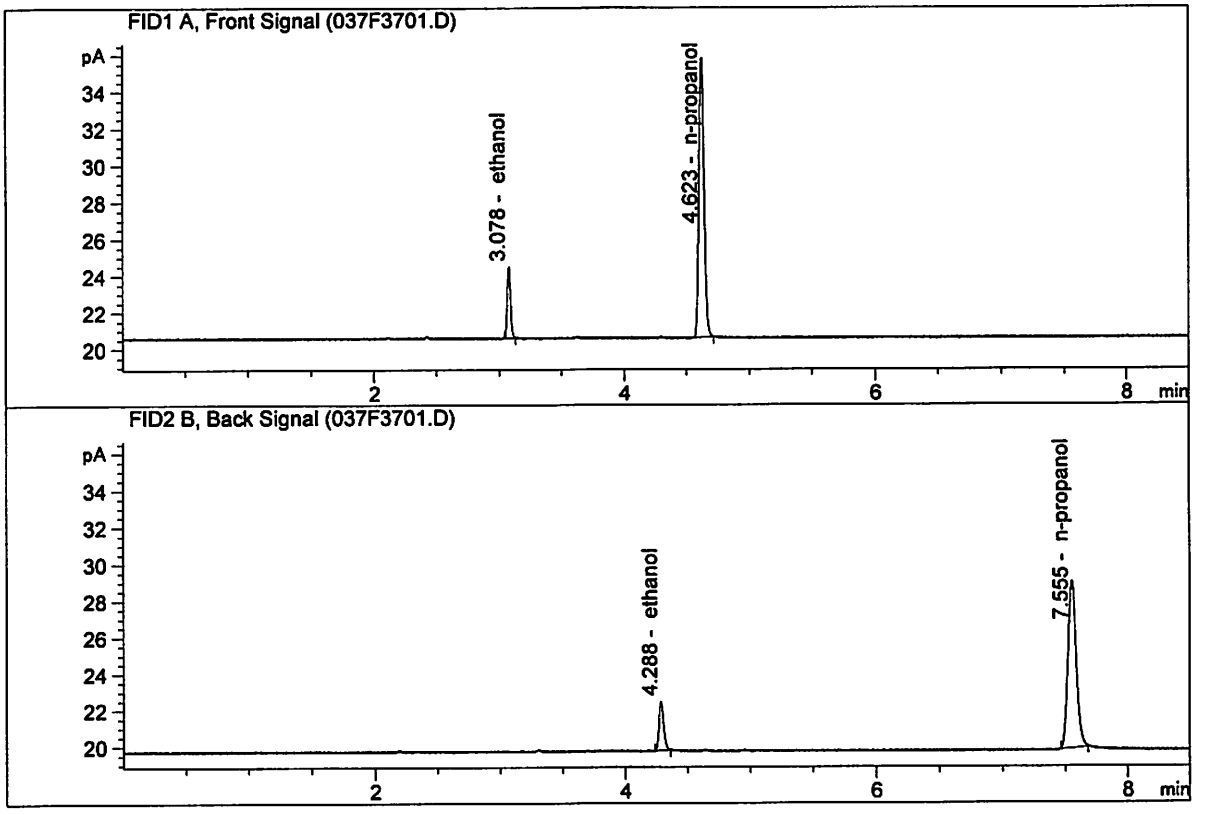
Reported Result

0.081

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

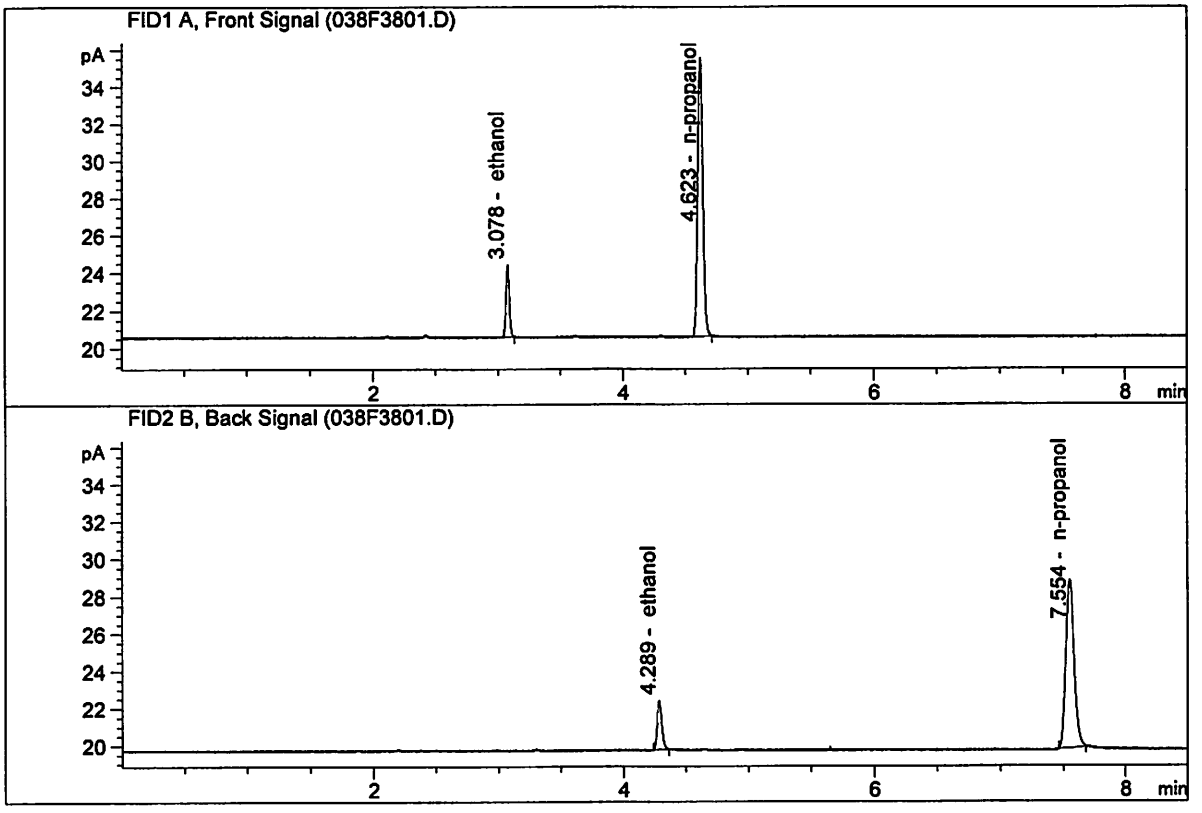


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.14731	0.0809	g/100cc
2.	Ethanol	Column 2:	7.27205	0.0819	g/100cc
3.	n-Propanol	Column 1:	43.26679	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.78447	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

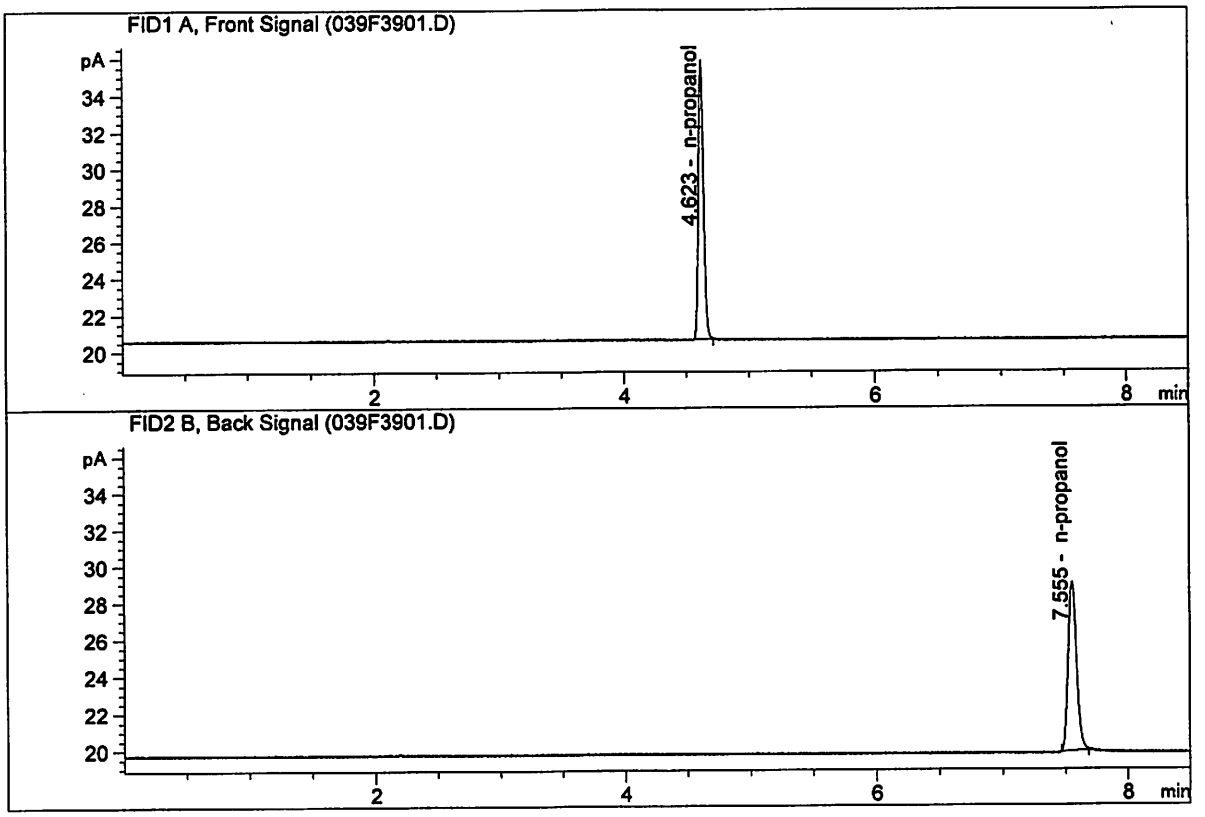


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.03525	0.0810	g/100cc
2.	Ethanol	Column 2:	7.11589	0.0815	g/100cc
3.	n-Propanol	Column 1:	42.54588	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.10147	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

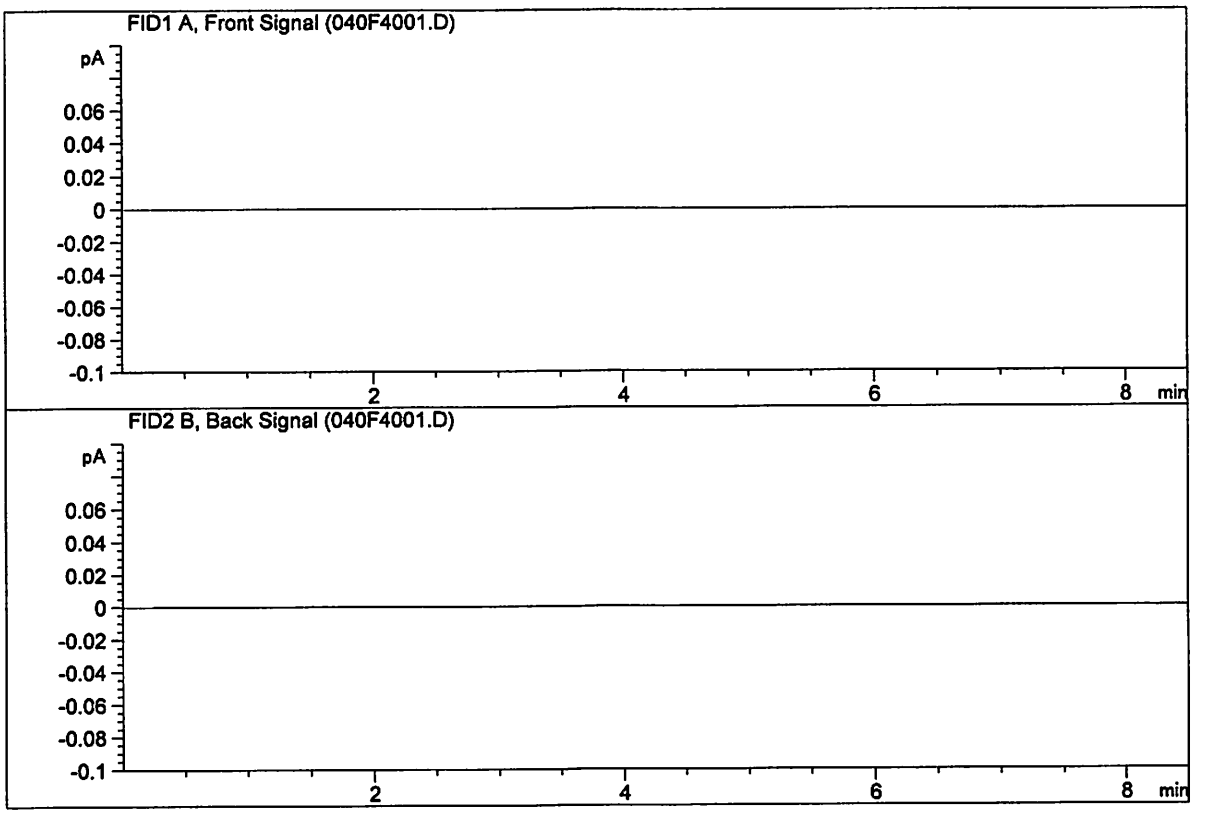


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.15324	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.76537	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : EMPTY
Laboratory : Meridian
Injection Date : Apr 21, 2020
Method : SHUTDOWN.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

JC

Sample Summary

Sequence table: C:\Chem32\1\Data\04-21-20_SAMPLES\04-21-20_SAMPLES 2020-04-21 15-19-50\04 21-20_SAMPLES.S
Data directory path: C:\Chem32\1\Data\04-21-20_SAMPLES\04-21-20_SAMPLES 2020-04-21 15-19-50\
Logbook: C:\Chem32\1\Data\04-21-20_SAMPLES\04-21-20_SAMPLES 2020-04-21 15-19-50\04 21-20_SAMPLES.LOG
Sequence start: 4/21/2020 3:34:38 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\04-21-20_SAMPLES\04-21-20_SAMPLES 2020-04-21 15-19-50 \ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
1	1	1	INTERNAL STD BLK	-	1.0000	001F0101.D		2
2	2	1	MIX VOL FN060415	-	1.0000	002F0201.D		0
3	3	1	QC1-1-A	-	1.0000	003F0301.D		4
4	4	1	QC1-1-B	-	1.0000	004F0401.D		4
5	5	1	0.08 FN04171701-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	M2020-1273-1-A	-	1.0000	007F0701.D		4
8	8	1	M2020-1273-1-B	-	1.0000	008F0801.D		4
9	9	1	M2020-1274-1-A	-	1.0000	009F0901.D		4
10	10	1	M2020-1274-1-B	-	1.0000	010F1001.D		4
11	11	1	M2020-1304-1-A	-	1.0000	011F1101.D		2
12	12	1	M2020-1304-1-B	-	1.0000	012F1201.D		2
13	13	1	M2020-1305-1-A	-	1.0000	013F1301.D		4
14	14	1	M2020-1305-1-B	-	1.0000	014F1401.D		4
15	15	1	M2020-1307-1-A	-	1.0000	015F1501.D		2
16	16	1	M2020-1307-1-B	-	1.0000	016F1601.D		2
17	17	1	M2020-1307-2-A	-	1.0000	017F1701.D		2
18	18	1	M2020-1307-2-B	-	1.0000	018F1801.D		2
19	19	1	M2020-1307-3-A	-	1.0000	019F1901.D		2
20	20	1	M2020-1307-3-B	-	1.0000	020F2001.D		2
21	21	1	M2020-1307-4-A	-	1.0000	021F2101.D		2
22	22	1	M2020-1307-4-B	-	1.0000	022F2201.D		2
23	23	1	M2020-1313-1-A	-	1.0000	023F2301.D		4
24	24	1	M2020-1313-1-B	-	1.0000	024F2401.D		4
25	25	1	QC2-1-A	-	1.0000	025F2501.D		4
26	26	1	QC2-1-B	-	1.0000	026F2601.D		4
27	27	1	M2020-1314-1-A	-	1.0000	027F2701.D		2
28	28	1	M2020-1314-1-B	-	1.0000	028F2801.D		2
29	29	1	M2020-1318-1-A	-	1.0000	029F2901.D		4
30	30	1	M2020-1318-1-B	-	1.0000	030F3001.D		4
31	31	1	M2020-1352-1-A	-	1.0000	031F3101.D		4
32	32	1	M2020-1352-1-B	-	1.0000	032F3201.D		4
33	33	1	M2020-1355-1-A	-	1.0000	033F3301.D		4
34	34	1	M2020-1355-1-B	-	1.0000	034F3401.D		4
35	35	1	M2020-1382-1-A	-	1.0000	035F3501.D		4
36	36	1	M2020-1382-1-B	-	1.0000	036F3601.D		4
37	37	1	QC1-2-A	-	1.0000	037F3701.D		4
38	38	1	QC1-2-B	-	1.0000	038F3801.D		4
39	39	1	INTERNAL STD BLK	-	1.0000	039F3901.D		2

JG

Sequence File C:\Chem32\...0_SAMPLES\04-21-20_SAMPLES 2020-04-21 15-19-50\04-21-20_SAMPLES.S

Method file name: C:\Chem32\1\Data\04-21-20_SAMPLES\04-21-20_SAMPLES 2020-04-21 15-19-50\SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
40	40	1	EMPTY	-	1.0000	040F4001.D		0

JG

Method C:\CHEM32\1\METHODS\ALCOHOL.M

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, April 08, 2020 2:41:43 PM
Signals calculated separately : No

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100cc]	Name
1	1.00000	n-propanol
2	1.00000	n-propanol

Signal Details

Signal 1: FID1 A, Front Signal
Signal 2: FID2 B, Back Signal

Overview Table

JG JC

Method C:\CHEM32\1\METHODS\ALCOHOL.M

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.586	1	1	1.00000	3.69669	2.70512e-1	No	No	1	methanol
2.809	1	1	1.00000	4.26100	2.34687e-1	No	No	2	Acetaldehyde
2.977	2	1	1.00000	4.26100	2.34687e-1	No	No	2	Acetaldehyde
3.075	1	1	5.00000e-2	4.38462	1.14035e-2	No	No	1	ethanol
		2	1.00000e-1	8.84425	1.13068e-2				
		3	2.00000e-1	17.69251	1.13042e-2				
		4	3.00000e-1	26.65864	1.12534e-2				
		5	5.00000e-1	44.75592	1.11717e-2				
3.388	2	1	1.00000	4.26062	2.34707e-1	No	No	2	methanol
3.628	1	1	1.00000	9.73055	1.02769e-1	No	No	1	isopropyl alcohol
4.285	2	1	5.00000e-2	4.55445	1.09783e-2	No	No	2	ethanol
		2	1.00000e-1	9.11084	1.09759e-2				
		3	2.00000e-1	18.47311	1.08265e-2				
		4	3.00000e-1	28.06174	1.06907e-2				
		5	5.00000e-1	47.50863	1.05244e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	42.77816	2.33764e-2	No	Yes	1	n-propanol
		2	1.00000	43.08089	2.32121e-2				
		3	1.00000	42.85321	2.33355e-2				
		4	1.00000	43.10442	2.31995e-2				
		5	1.00000	42.99975	2.32560e-2				
4.661	2	1	1.00000	6.89301	1.45075e-1	No	No	2	acetone
4.969	2	1	1.00000	10.70642	9.34019e-2	No	No	2	isopropyl alcohol
7.550	2	1	1.00000	44.51813	2.24628e-2	No	Yes	2	n-propanol
		2	1.00000	44.47049	2.24868e-2				
		3	1.00000	44.10075	2.26753e-2				
		4	1.00000	44.34335	2.25513e-2				
		5	1.00000	44.06118	2.26957e-2				

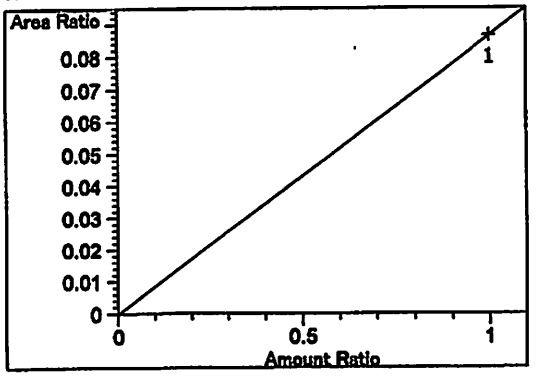
Peak Sum Table

No Entries in table

1 Warnings or Errors :

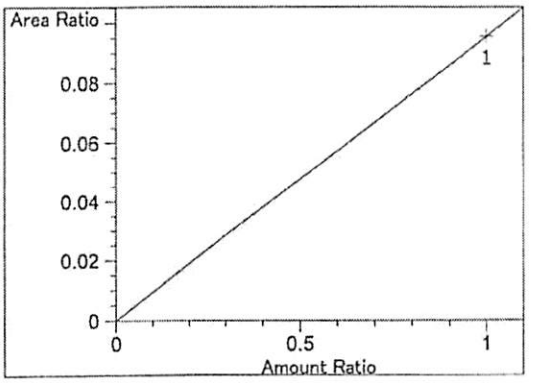
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

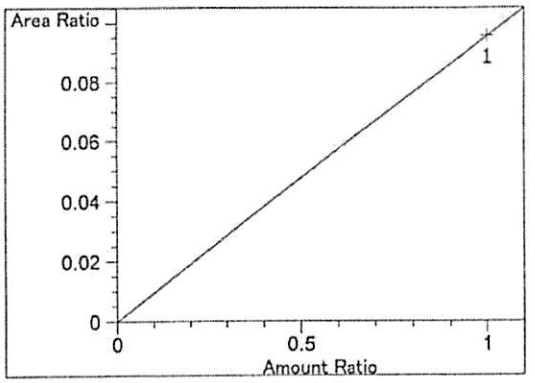


methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.64155e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

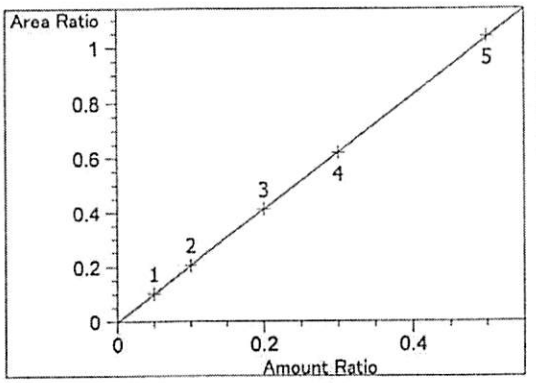
JG JG



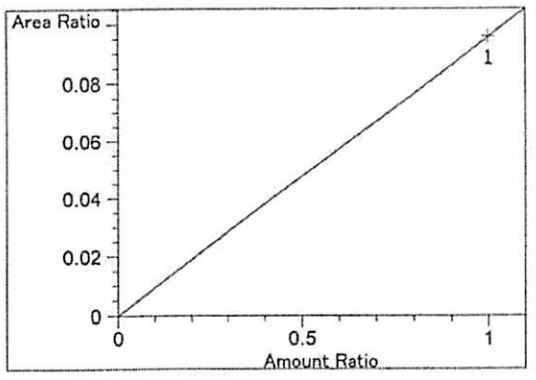
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.57138e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.57138e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

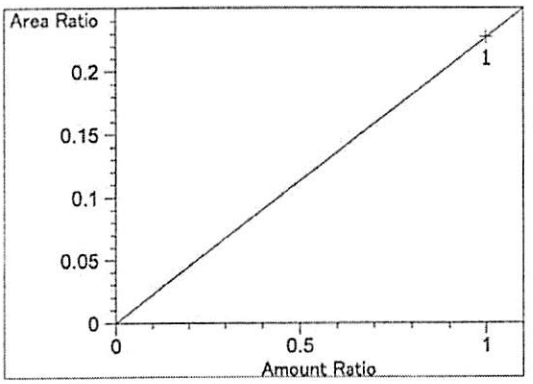


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00254
Formula: y = mx + b
m: 2.08435
b: -3.40720e-3
x: Amount Ratio
y: Area Ratio

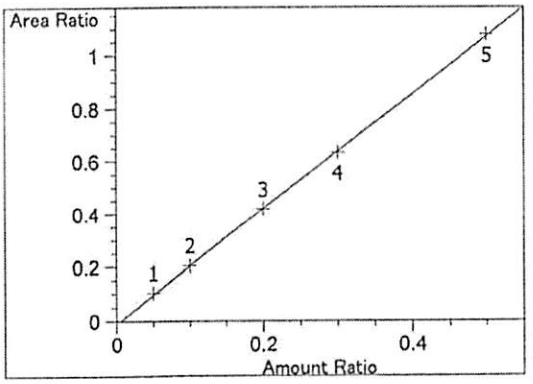


methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.57054e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

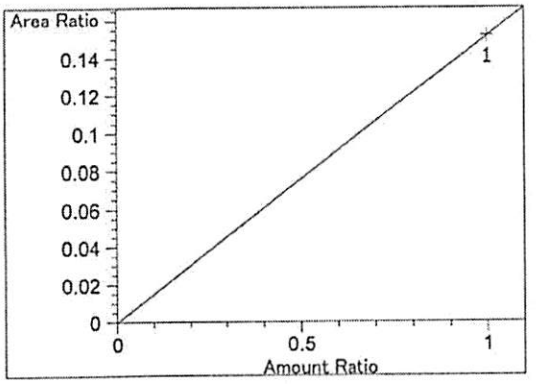
JG JC



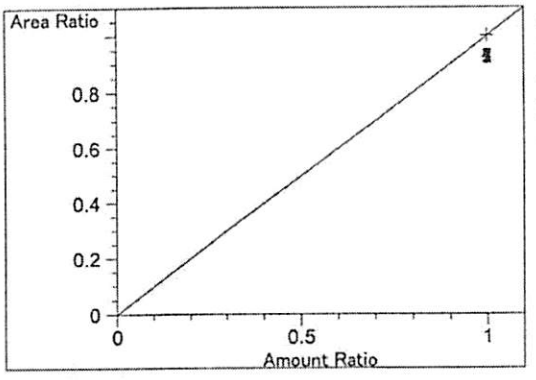
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.27465e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99991
Residual Std. Dev.: 0.00601
Formula: y = mx + b
m: 2.17038
b: -1.17600e-2
x: Amount Ratio
y: Area Ratio

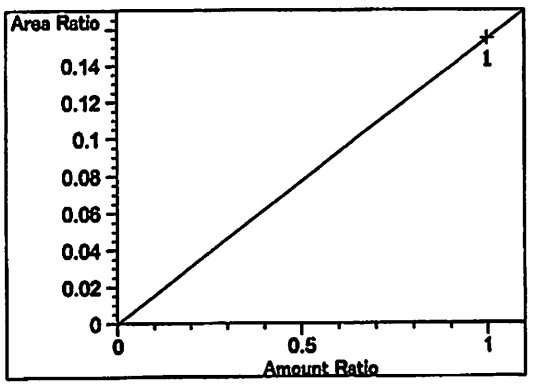


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.51933e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

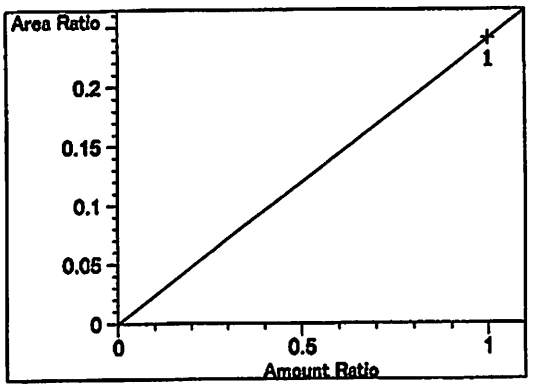


n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

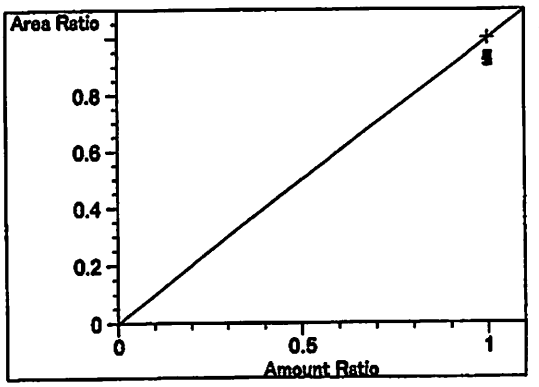
JGJC



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.54836e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.40496e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

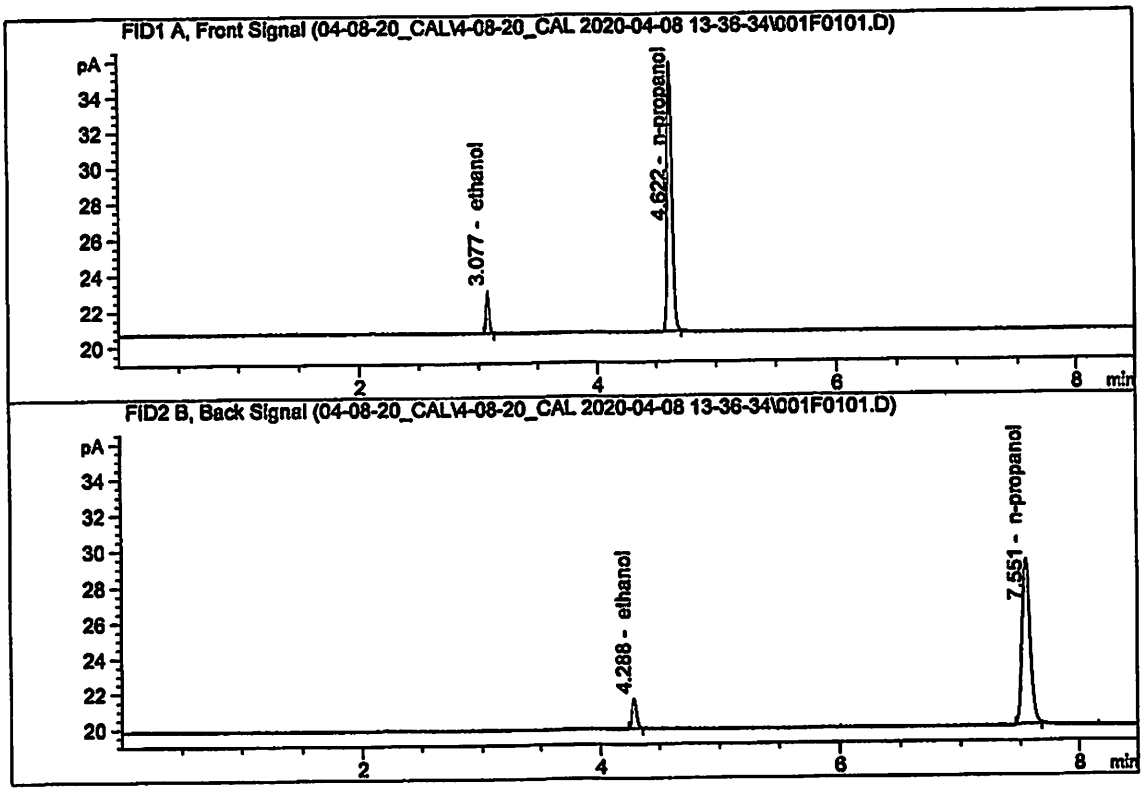


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

JG JG

ISP Forensic Services Blood Alcohol Report

Sample Name	:	0.050 FN05211804
Laboratory	:	Meridian
Injection Date	:	Apr 8, 2020
Method	:	ALCOHOL.M
Acq. Instrument	:	CN11180014-CN11041167

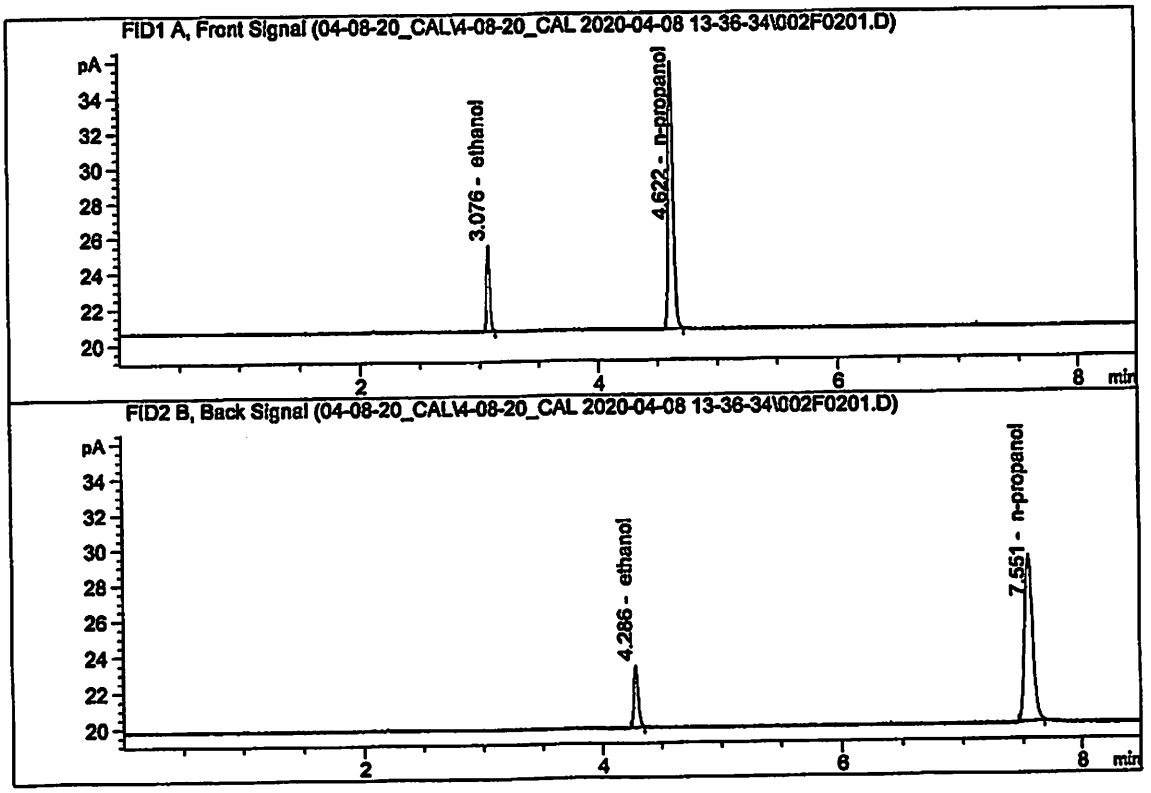


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.38462	0.0508	g/100cc
2.	Ethanol	Column 2:	4.55445	0.0526	g/100cc
3.	n-Propanol	Column 1:	42.77816	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.51813	1.0000	g/100cc

JG JC

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Apr 8, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

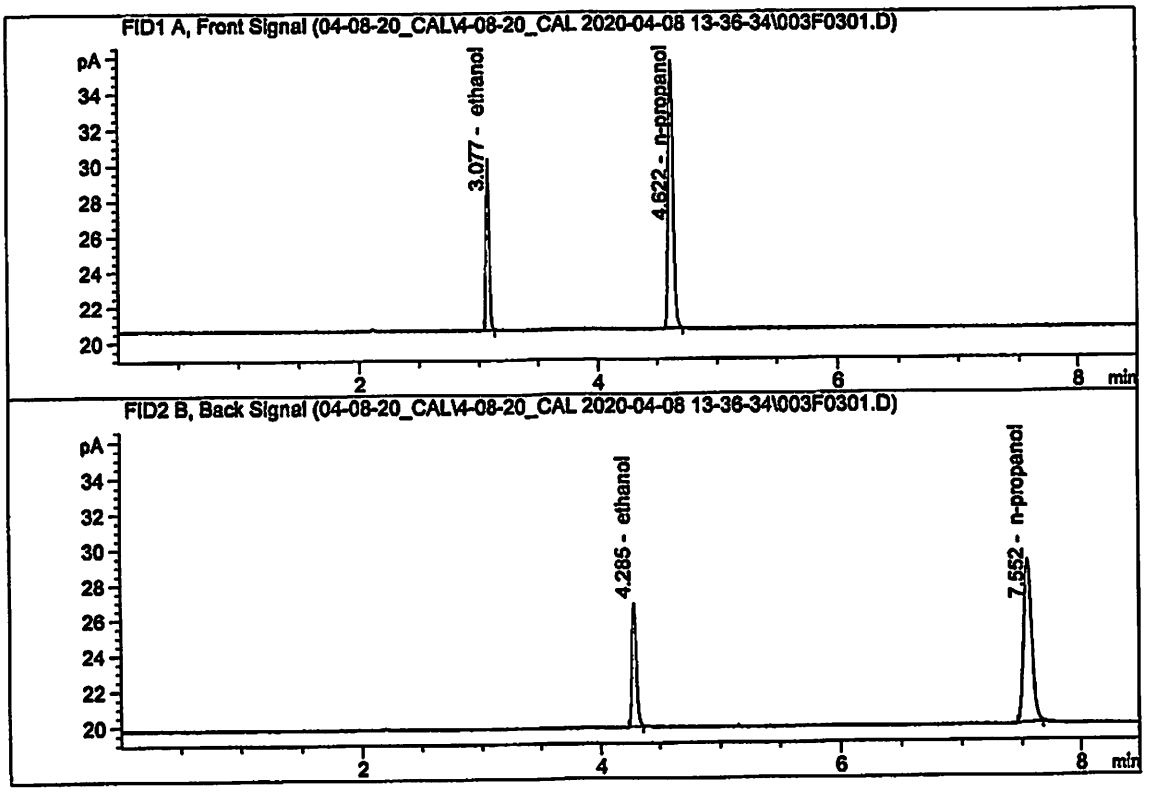


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.84425	0.1001	g/100cc
2.	Ethanol	Column 2:	9.11084	0.0998	g/100cc
3.	n-Propanol	Column 1:	43.08089	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.47049	1.0000	g/100cc

JG JG

ISP Forensic Services Blood Alcohol Report

Sample Name	:	0.200 FN06231704
Laboratory	:	Meridian
Injection Date	:	Apr 8, 2020
Method	:	ALCOHOL.M
Acq. Instrument	:	CN11180014-CN11041167

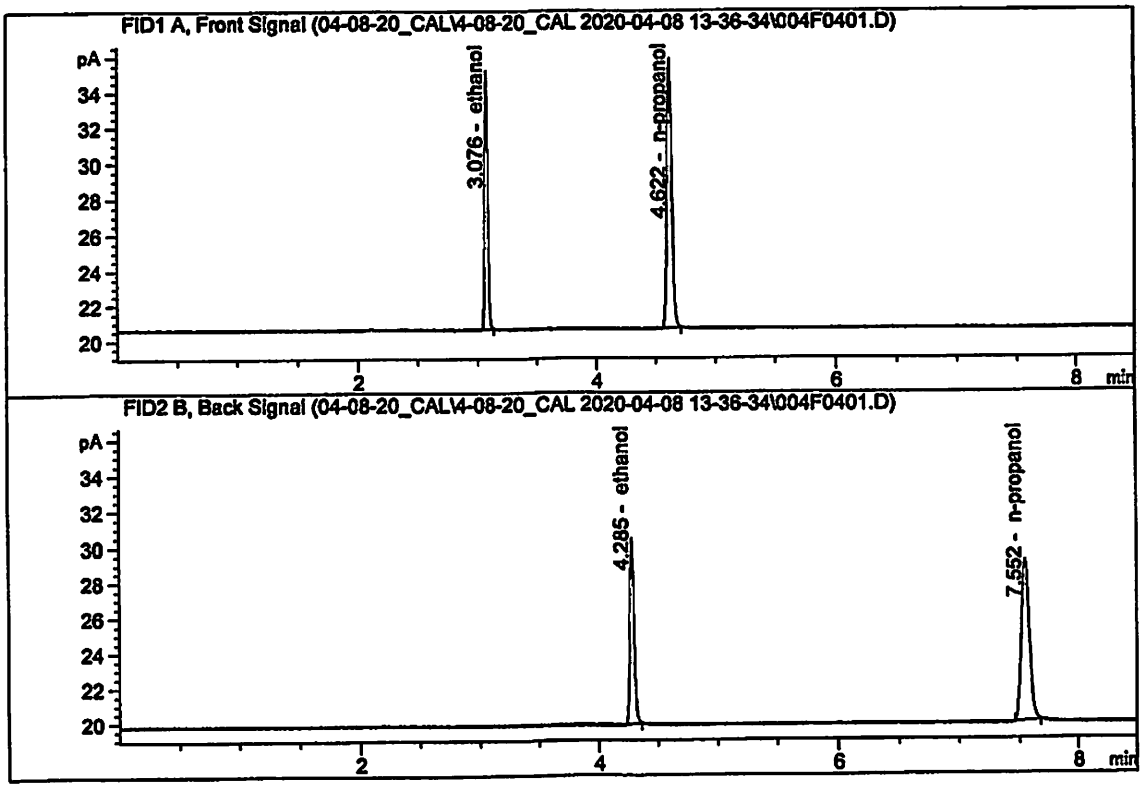


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.69251	0.1997	g/100cc
2.	Ethanol	Column 2:	18.47311	0.1984	g/100cc
3.	n-Propanol	Column 1:	42.85321	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.10075	1.0000	g/100cc

JG JC

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Apr 8, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

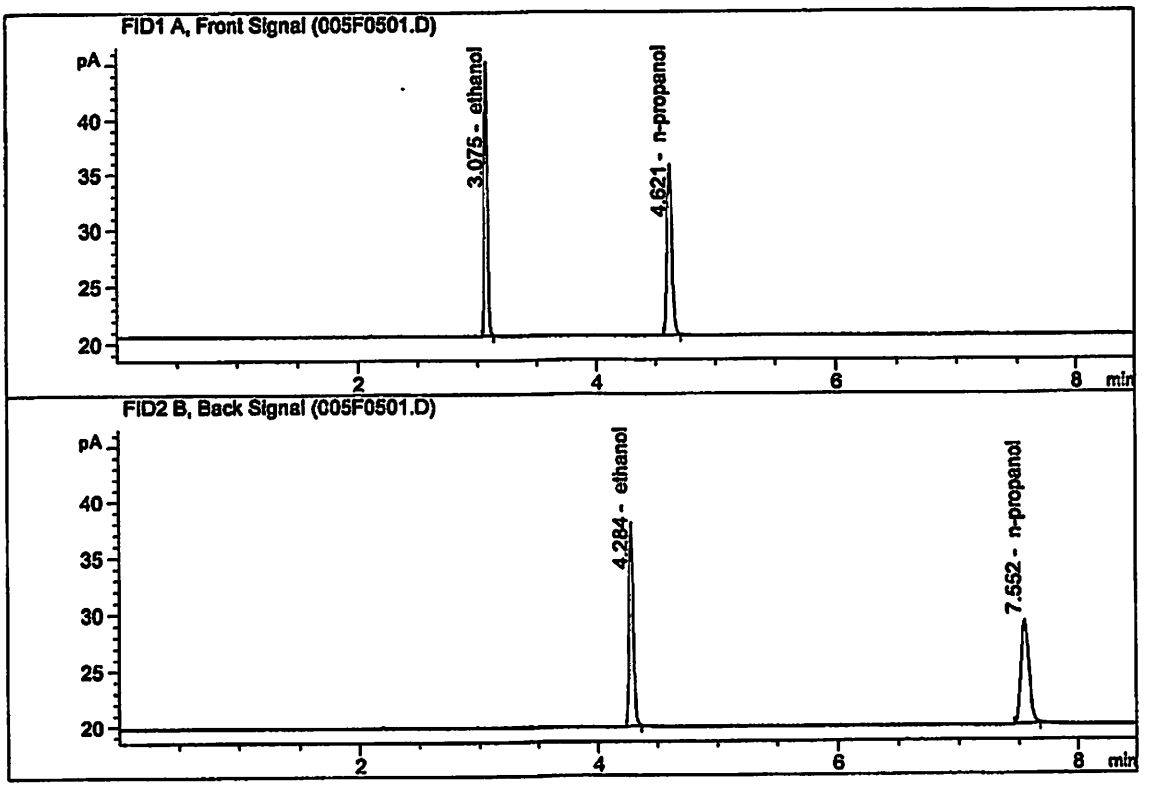


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.65864	0.2984	g/100cc
2.	Ethanol	Column 2:	28.06174	0.2970	g/100cc
3.	n-Propanol	Column 1:	43.10442	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.34335	1.0000	g/100cc

JG JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Apr 8, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

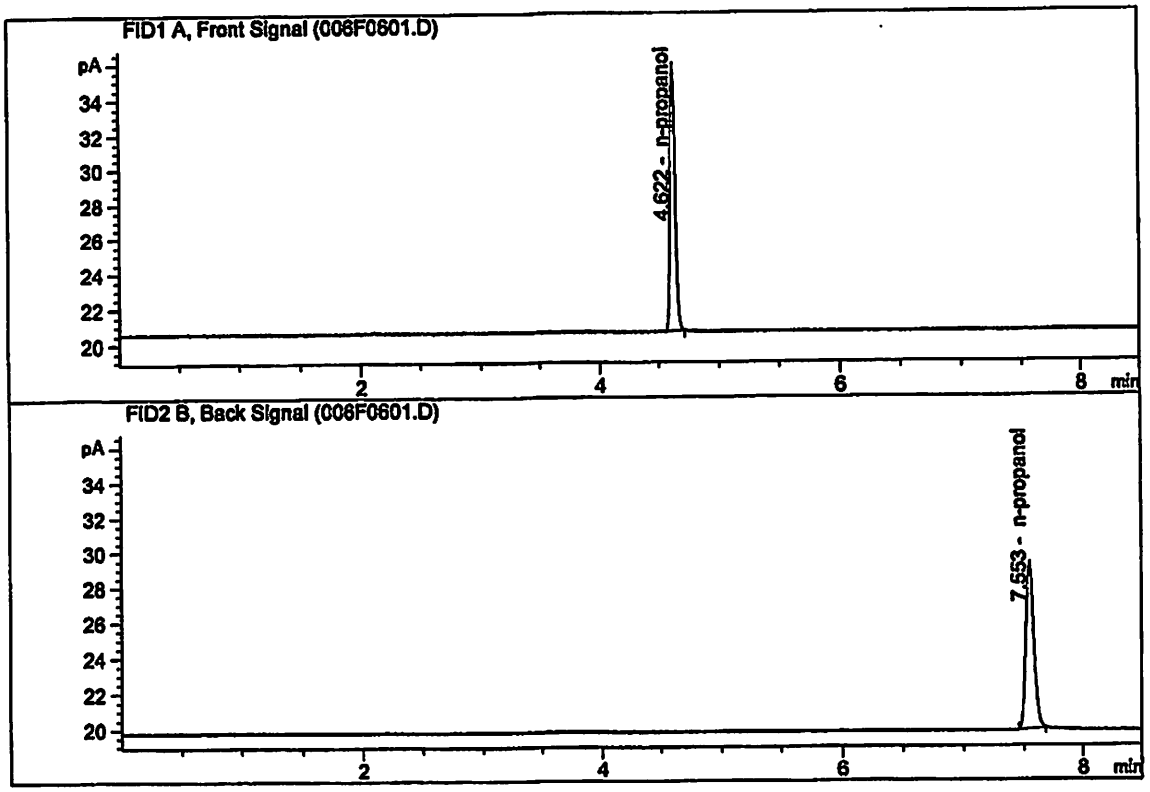


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.75592	0.5010	g/100cc
2.	Ethanol	Column 2:	47.50863	0.5022	g/100cc
3.	n-Propanol	Column 1:	42.99975	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.06118	1.0000	g/100cc

JG JG

ISP Forensic Services Blood Alcohol Report

Sample Name	:	INTERNAL STANDARD BLANK
Laboratory	:	Meridian
Injection Date	:	Apr 8, 2020
Method	:	ALCOHOL.M
Acq. Instrument	:	CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.54275	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.73439	1.0000	g/100cc

JG JG

Sequence File C:\Chem32\1\Data\04-08-20_CAL\4-08-20_CAL 2020-04-08 13-36-34\4-08-20_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\04-08-20_CAL\4-08-20_CAL 2020-04-08 13-36-34\4-08-20_CAL S
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Logbook: C:\Chem32\1\Data\04-08-20_CAL\4-08-20_CAL 2020-04-08 13-36-34\4-08-20_CAL LOG
Sequence start: 4/8/2020 1:51:11 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\04-08-20_CAL\4-08-20_CAL 2020-04-08 13-36-34\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
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2	2	1	0.100 FN02271802	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN06231704	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN07311804	-	1.0000	004F0401.D	*	4
5	5	1	0.500 FN08031602	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

JG JG