Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 600A Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls **Run Date(s): 6/20/19-6/21/19**

Calibration Date: 6/11/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0819 g/100cc
					0.0830 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2074 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Sep-20	Lot #	FN06041502	ok
Curve Fit:	Column 1	0.99993	Column2	0.99979

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0518	0.0536	0.0018	0.0527
100	0.100	0.090 - 0.110	0.1002	0.1002	0	0.1002
200	0.200	0.180 - 0.220	0.1992	0.1974	0.0018	0.1983
300	0.300	0.270 - 0.330	0.2967	0.2953	0.0014	0.296
500	0.500	0.450 - 0.550	0.5021	0.5034	0.0013	0.5027

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.082 g/100cc

MB

REVIEWED
By Melissa (Nikka) Bradley at 1:29 pm, Jun 21, 2019

dc

Revision: 1
Issue Date: 01/03/2019
Issuing Authority: Quality Manager

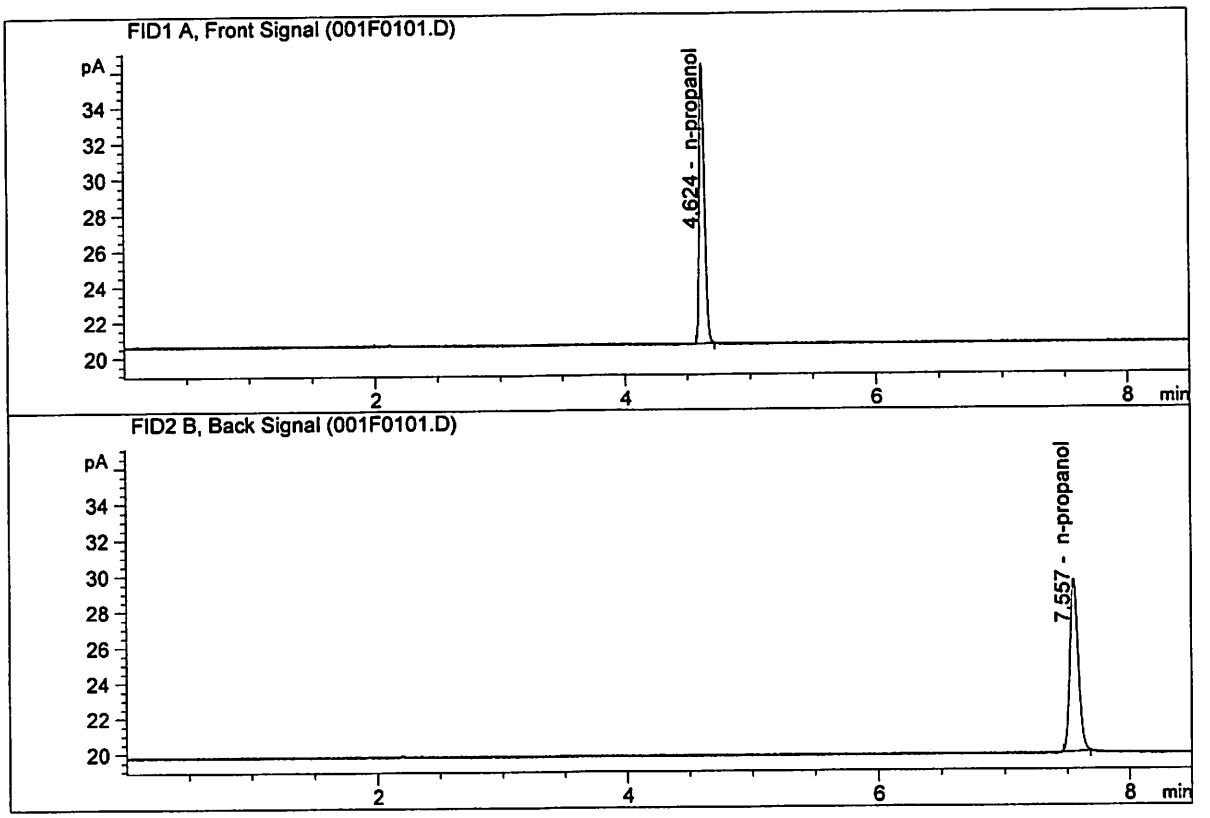
Worklist: 3505

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2019-2642	1	154152	Alcohol Analysis
M2019-2643	1	154153	Alcohol Analysis
M2019-2672	2	154247	Alcohol Analysis
M2019-2700	1	154479	Alcohol Analysis
M2019-2708	2	154511	Alcohol Analysis
M2019-2712	1	154524	Alcohol Analysis
M2019-2722	1	154622	Alcohol Analysis
M2019-2723	1	154623	Alcohol Analysis
M2019-2724	1	154627	Alcohol Analysis
M2019-2751	1	155004	Alcohol Analysis
M2019-2752	1	155016	Alcohol Analysis
M2019-2763	1	155088	Alcohol Analysis
P2019-1606	2	154512	Alcohol Analysis
P2019-1808	1	154533	Alcohol Analysis

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Jun 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

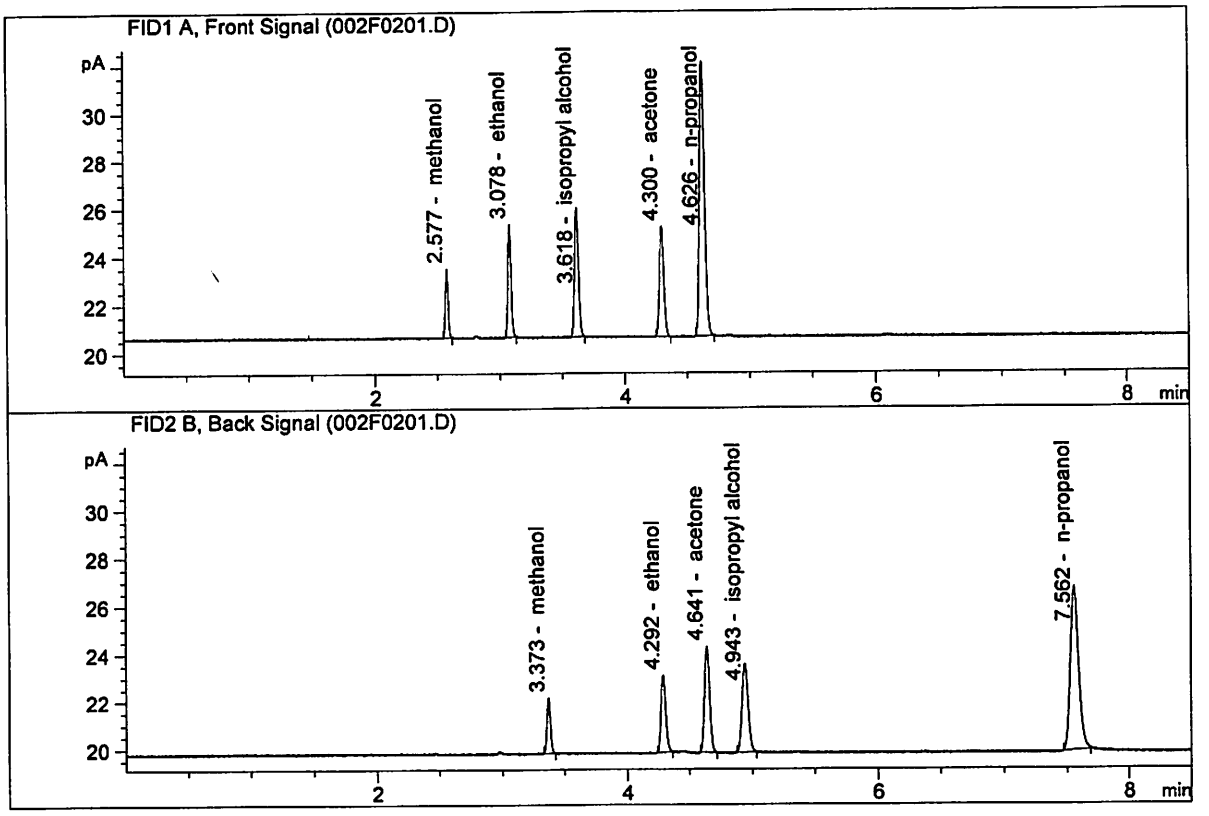


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.54530	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.51996	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Jun 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.29080	0.1342	g/100cc
2.	Ethanol	Column 2:	8.55110	0.1350	g/100cc
3.	n-Propanol	Column 1:	32.22009	1.0000	g/100cc
4.	n-Propanol	Column 2:	32.80472	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 20 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0817	0.0832	0.0015	0.0824	0.0819	
(g/100cc)	0.0811	0.0817	0.0006	0.0814		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

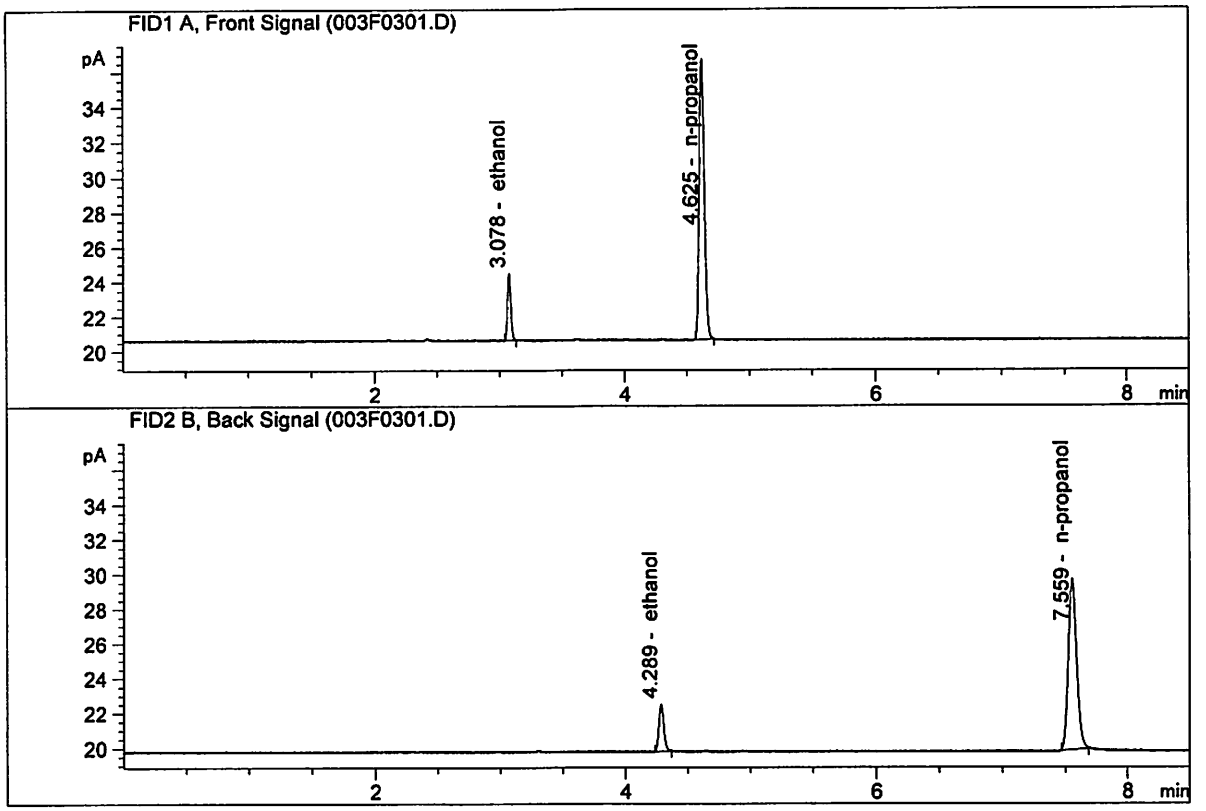
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	**0.076**	**0.086**	**0.005**

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

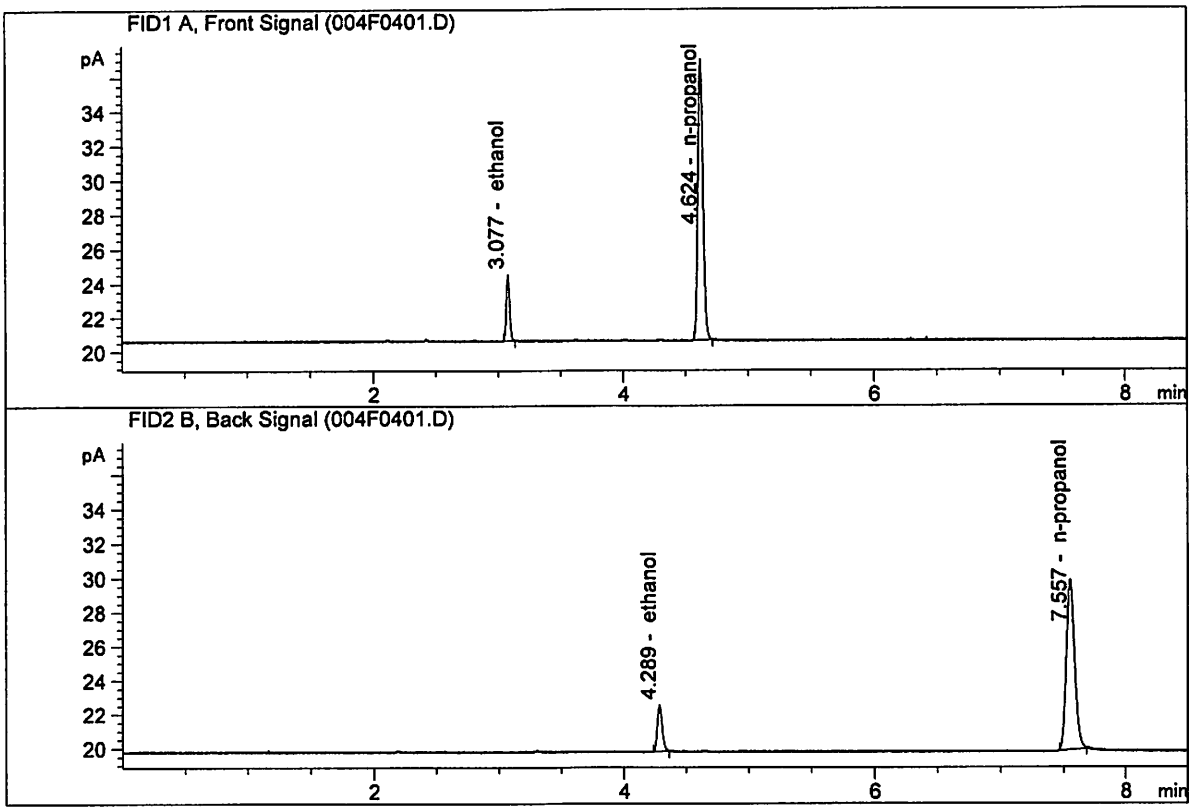
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Jun 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.08938	0.0817	g/100cc
2.	Ethanol	Column 2:	7.36997	0.0832	g/100cc
3.	n-Propanol	Column 1:	45.75334	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.08401	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Jun 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.16863	0.0811	g/100cc
2.	Ethanol	Column 2:	7.36408	0.0817	g/100cc
3.	n-Propanol	Column 1:	46.61444	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.99847	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 20 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0819	0.0825	0.0006	0.0822	0.0821	
(g/100cc)	0.0817	0.0823	0.0006	0.0820		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

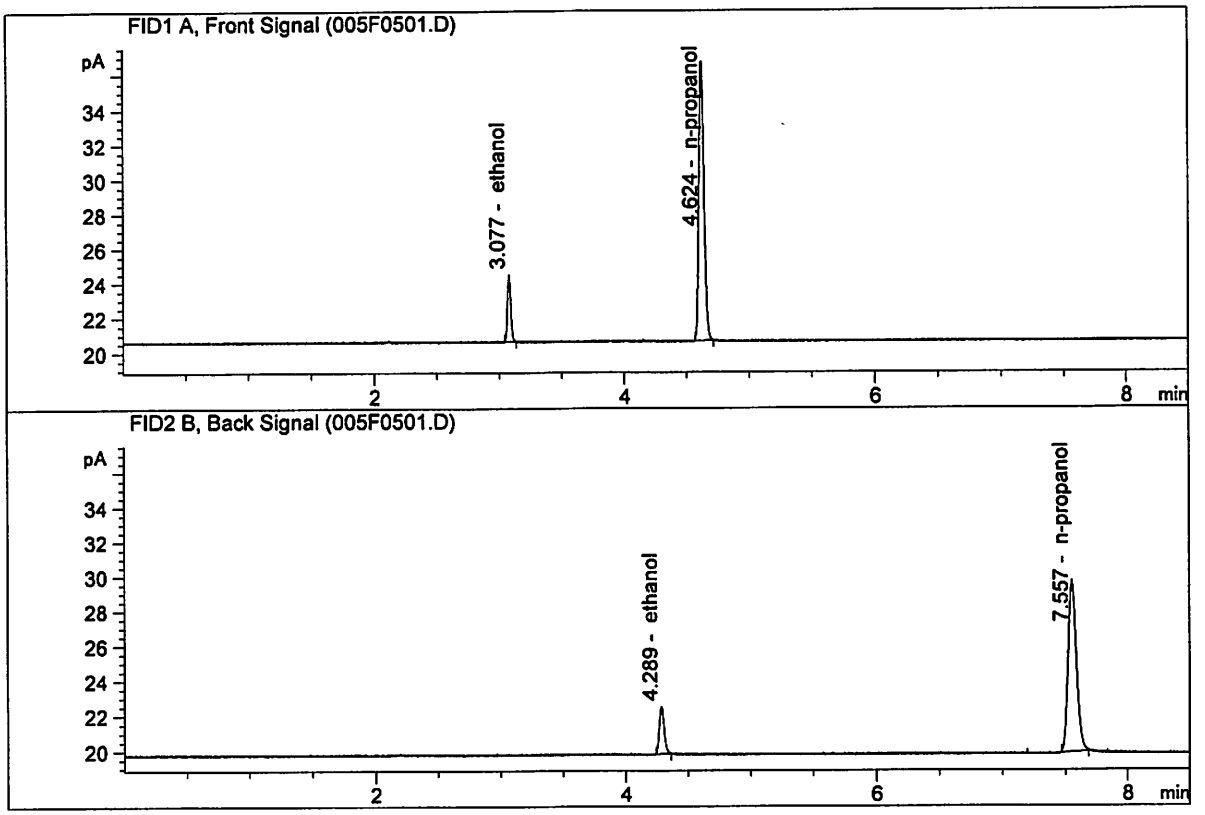
Overall Mean (g/100cc)	Low	High	5% of Mean
0.082	0.077	0.087	0.005

	Reported Result	
	0.082	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

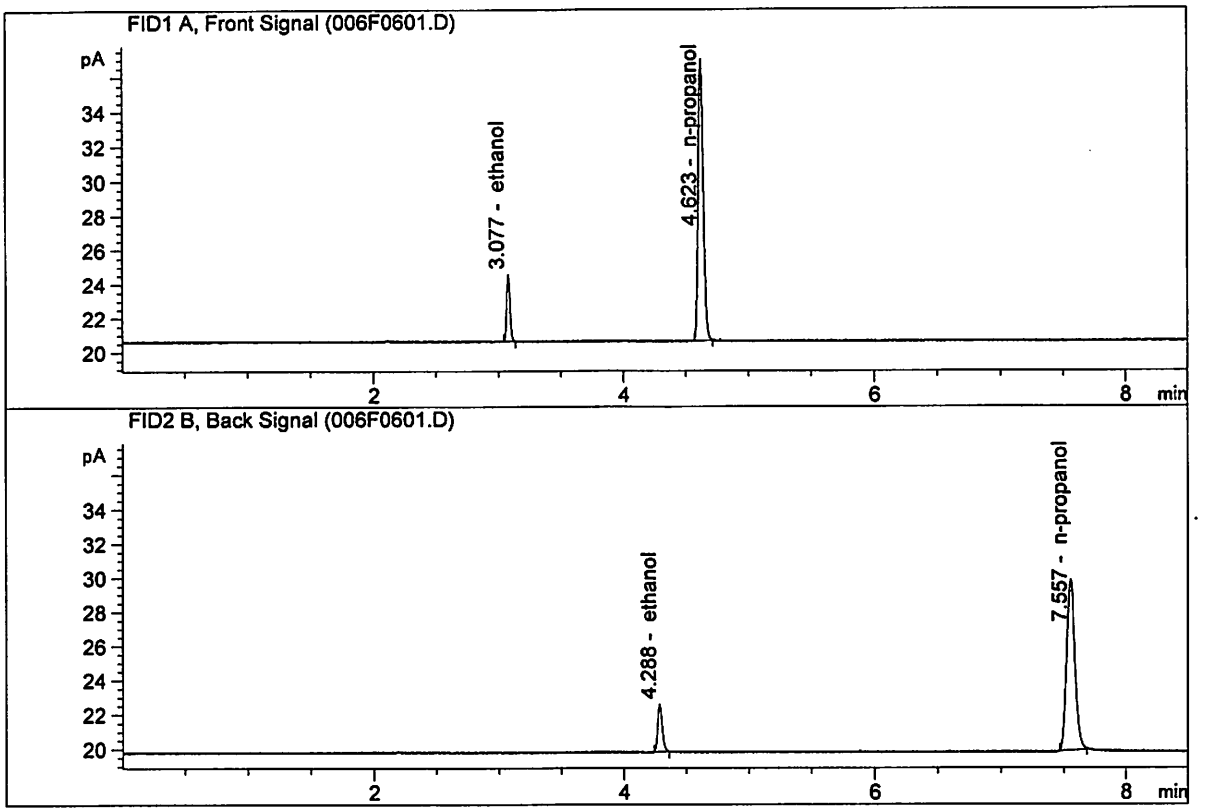
Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Jun 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.11311	0.0819	g/100cc
2.	Ethanol	Column 2:	7.29233	0.0825	g/100cc
3.	n-Propanol	Column 1:	45.78932	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.02699	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Jun 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.19293	0.0817	g/100cc
2.	Ethanol	Column 2:	7.37681	0.0823	g/100cc
3.	n-Propanol	Column 1:	46.43489	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.72933	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 20 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2082	0.2075	0.0007	0.2078	0.2074	
(g/100cc)	0.2071	0.2071	0.0000	0.2071		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

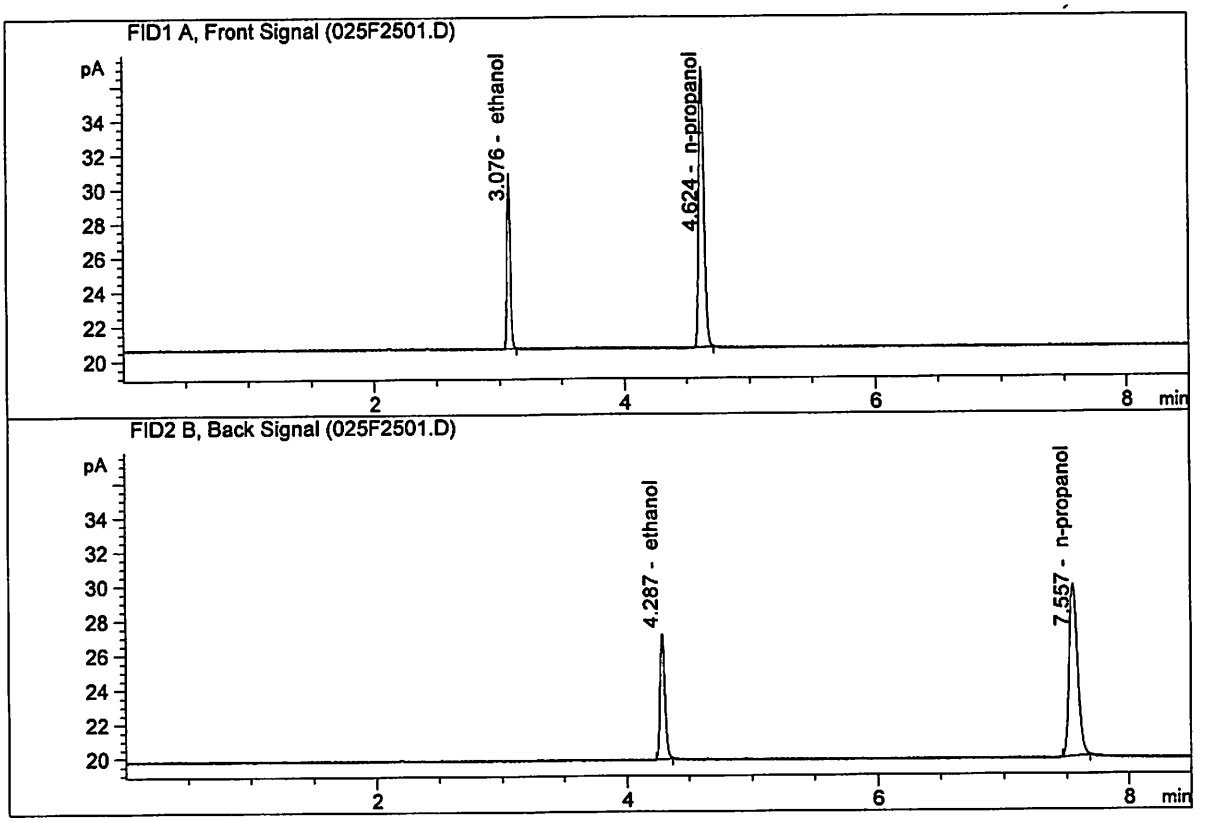
Overall Mean (g/100cc)	Low	High	5% of Mean
0.207	0.196	0.218	0.011

	Reported Result	
	0.207	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

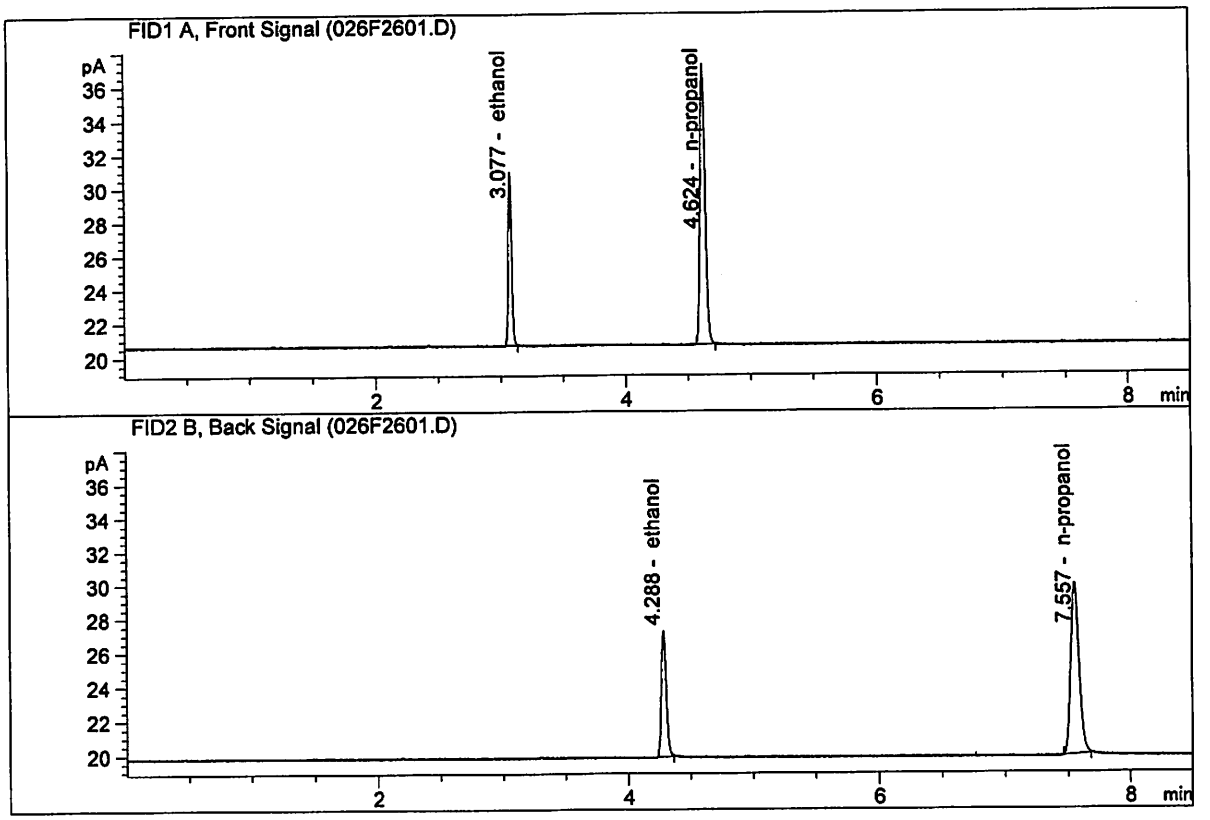
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Jun 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.64352	0.2082	g/100cc
2.	Ethanol	Column 2:	19.39593	0.2075	g/100cc
3.	n-Propanol	Column 1:	46.42865	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.69937	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Jun 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.78242	0.2071	g/100cc
2.	Ethanol	Column 2:	19.56357	0.2071	g/100cc
3.	n-Propanol	Column 1:	47.01560	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.18872	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 20 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0838	0.0842	0.0004	0.0840	0.0830	
(g/100cc)	0.0821	0.0822	0.0001	0.0821		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.083	**0.078**	**0.088**	**0.005**

Reported Result
0.083

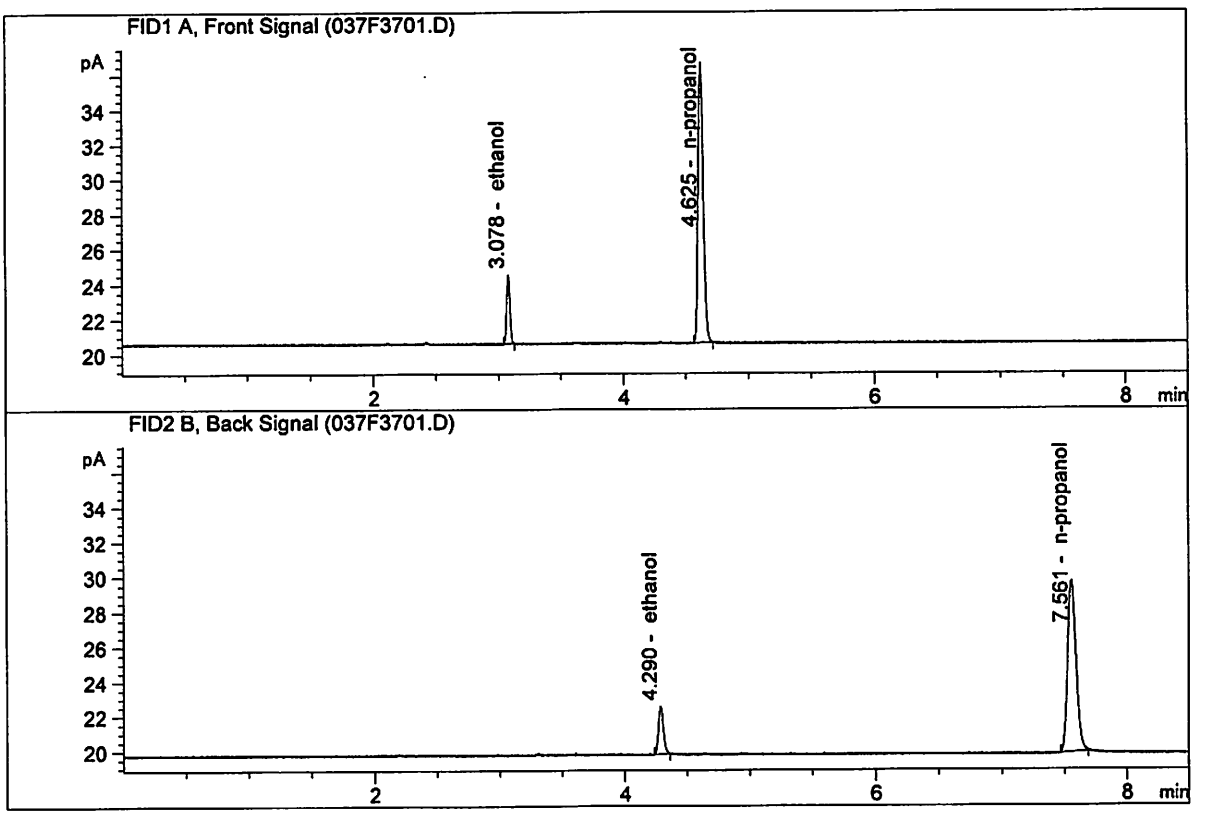
Calibration and control data are stored centrally.

Revision: 1
Issue Date: 01/04/2019
Issuing Authority: Quality Manager

VG

ISP Forensic Services Blood Alcohol Report

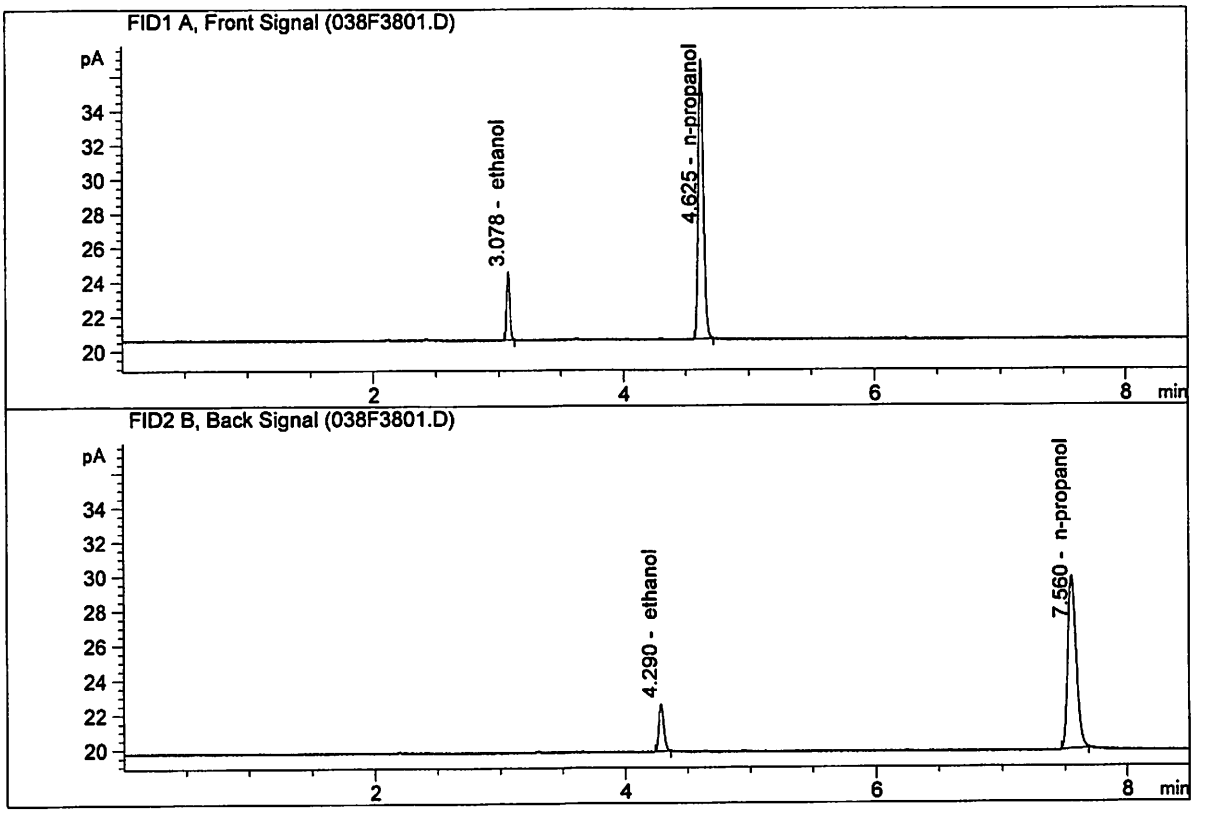
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Jun 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.28972	0.0838	g/100cc
2.	Ethanol	Column 2:	7.44897	0.0842	g/100cc
3.	n-Propanol	Column 1:	45.83643	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.00842	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

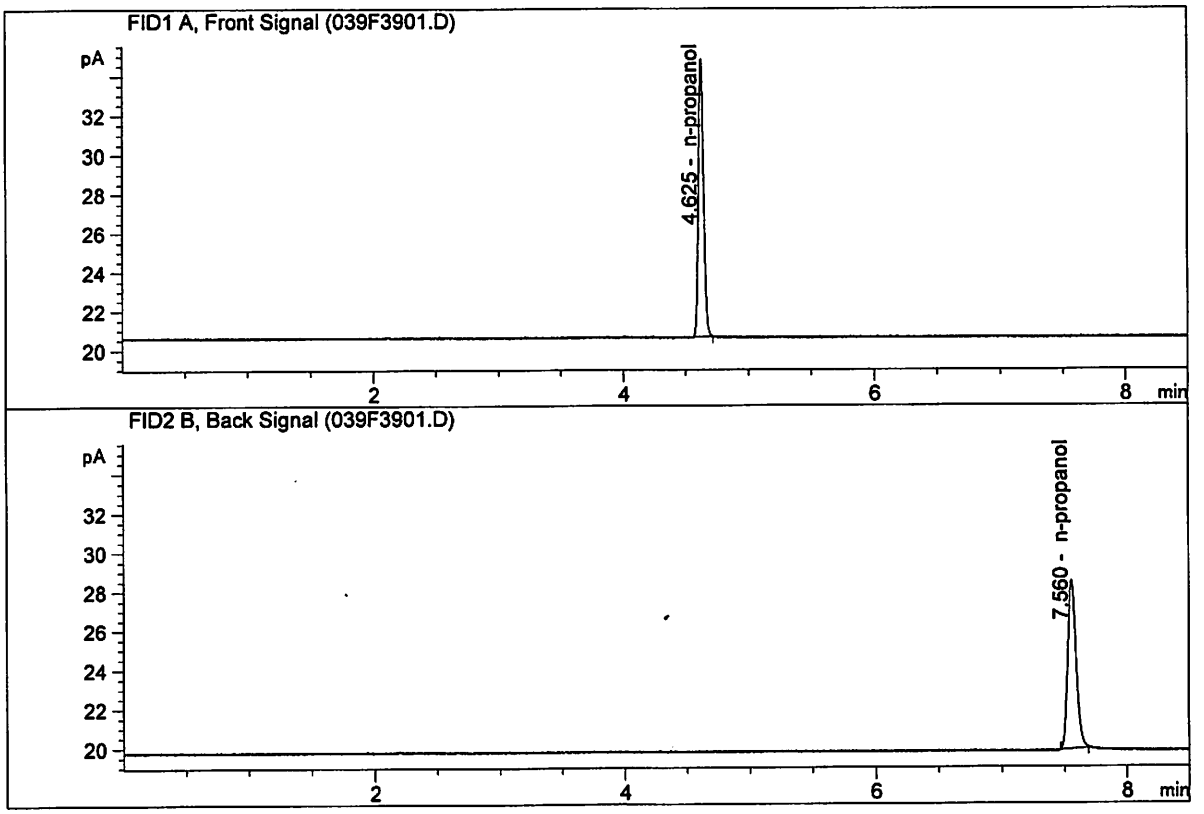
Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Jun 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.22504	0.0821	g/100cc
2.	Ethanol	Column 2:	7.35200	0.0822	g/100cc
3.	n-Propanol	Column 1:	46.37115	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.62052	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jun 20, 2019
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:	40.37544	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.26920	1.0000	g/100cc

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Sample Summary

Sequence table: C:\Chem32\1\Data\06-20-19_SAMPLES\06-20-19_SAMPLES 2019-06-20 15-54-41\06-20-19_SAMPLES.S
Data directory path: C:\Chem32\1\Data\06-20-19_SAMPLES\06-20-19_SAMPLES 2019-06-20 15-54-41\
Logbook: C:\Chem32\1\Data\06-20-19_SAMPLES\06-20-19_SAMPLES 2019-06-20 15-54-41\06-20-19_SAMPLES.LOG
Sequence start: 6/20/2019 5:13:21 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\06-20-19_SAMPLES\06-20-19_SAMPLES 2019-06-20 15-54-41\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		10
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	M2019-2642-1-A	-	1.0000	007F0701.D		4
8	8	1	M2019-2642-1-B	-	1.0000	008F0801.D		4
9	9	1	M2019-2643-1-A	-	1.0000	009F0901.D		4
10	10	1	M2019-2643-1-B	-	1.0000	010F1001.D		4
11	11	1	M2019-2672-2-A	-	1.0000	011F1101.D		2
12	12	1	M2019-2672-2-B	-	1.0000	012F1201.D		2
13	13	1	M2019-2700-1-A	-	1.0000	013F1301.D		2
14	14	1	M2019-2700-1-B	-	1.0000	014F1401.D		2
15	15	1	M2019-2708-2-A	-	1.0000	015F1501.D		4
16	16	1	M2019-2708-2-B	-	1.0000	016F1601.D		4
17	17	1	M2019-2712-1-A	-	1.0000	017F1701.D		2
18	18	1	M2019-2712-1-B	-	1.0000	018F1801.D		2
19	19	1	M2019-2722-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-2722-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-2723-1-A	-	1.0000	021F2101.D		2
22	22	1	M2019-2723-1-B	-	1.0000	022F2201.D		2
23	23	1	M2019-2724-1-A	-	1.0000	023F2301.D		2
24	24	1	M2019-2724-1-B	-	1.0000	024F2401.D		2
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	M2019-2751-1-A	-	1.0000	027F2701.D		2
28	28	1	M2019-2751-1-B	-	1.0000	028F2801.D		2
29	29	1	M2019-2752-1-A	-	1.0000	029F2901.D		4
30	30	1	M2019-2752-1-B	-	1.0000	030F3001.D		4
31	31	1	M2019-2763-1-A	-	1.0000	031F3101.D		4
32	32	1	M2019-2763-1-B	-	1.0000	032F3201.D		4
33	33	1	P2019-1606-2-A	-	1.0000	033F3301.D		2
34	34	1	P2019-1606-2-B	-	1.0000	034F3401.D		2
35	35	1	P2019-1808-~~2-A~~ JC -1-A	-	1.0000	035F3501.D		4
36	36	1	P2019-1808-~~2-B~~ JC -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
40	40	1	1-A	-	1.0000	040F4001.D		4
41	41	1	1-B	-	1.0000	041F4101.D		4
42	42	1	2-A	-	1.0000	042F4201.D		4
43	43	1	2-B	-	1.0000	043F4301.D		4

Sequence File C:\Chem32\...9_SAMPLES\06-20-19_SAMPLES 2019-06-20 15-54-41\06-20-19_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
44	44	1	3-A	-	1.0000	044F4401.D		4
45	45	1	3-B	-	1.0000	045F4501.D		4
46	46	1	4-A	-	1.0000	046F4601.D		4
47	47	1	4-B	-	1.0000	047F4701.D		4

Method file name: C:\Chem32\1\Data\06-20-19_SAMPLES\06-20-19_SAMPLES 2019-06-20 15-54-41 \SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
48	48	1	EMPTY	-	1.0000	048F4801.D		0

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Tuesday, June 11, 2019 4:10:29 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

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	4.37562	1.14270e-2	No	No	1	ethanol
		2	1.00000e-1	8.95804	1.11632e-2				
		3	2.00000e-1	18.02525	1.10955e-2				
		4	3.00000e-1	26.91838	1.11448e-2				
		5	5.00000e-1	44.61555	1.12069e-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	4.58838	1.08971e-2	No	No	2	ethanol
		2	1.00000e-1	9.33742	1.07096e-2				
		3	2.00000e-1	18.91997	1.05708e-2				
		4	3.00000e-1	28.43967	1.05486e-2				
		5	5.00000e-1	47.49100	1.05283e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	45.23441	2.21071e-2	No	Yes	1	n-propanol
		2	1.00000	46.90075	2.13216e-2				
		3	1.00000	46.92748	2.13095e-2				
		4	1.00000	46.88183	2.13302e-2				
		5	1.00000	45.78543	2.18410e-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	47.38522	2.11036e-2	No	Yes	2	n-propanol
		2	1.00000	48.94873	2.04295e-2				
		3	1.00000	48.96447	2.04230e-2				
		4	1.00000	48.73965	2.05172e-2				
		5	1.00000	47.37630	2.11076e-2				

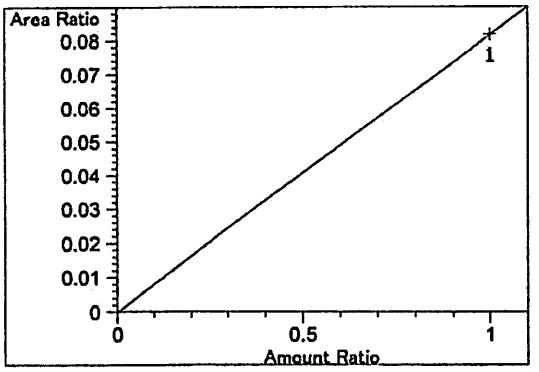
Peak Sum Table

No Entries in table

1 Warnings or Errors :

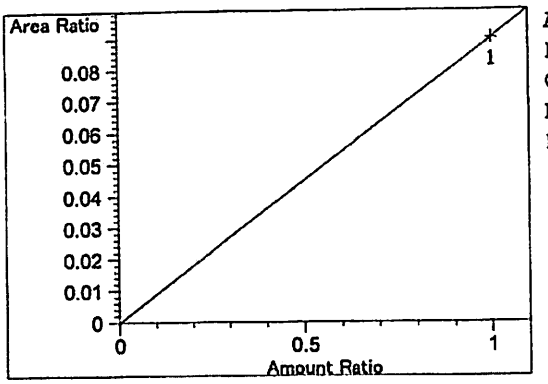
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

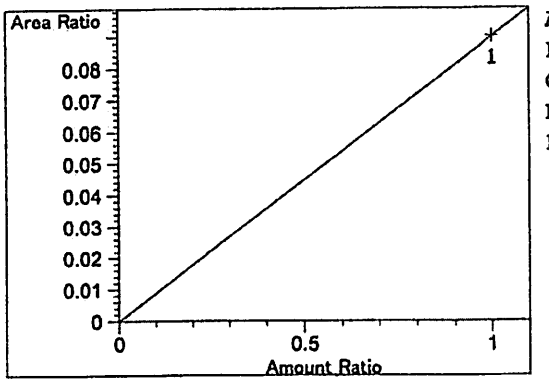


methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.17231e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

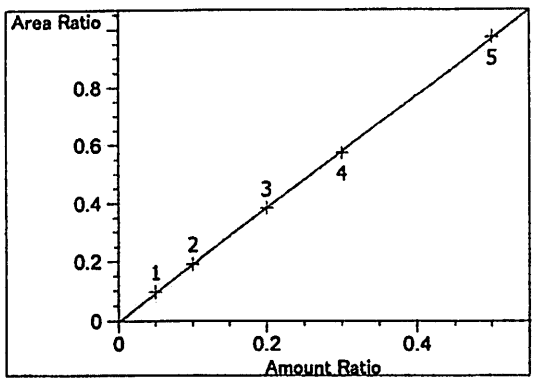
JL



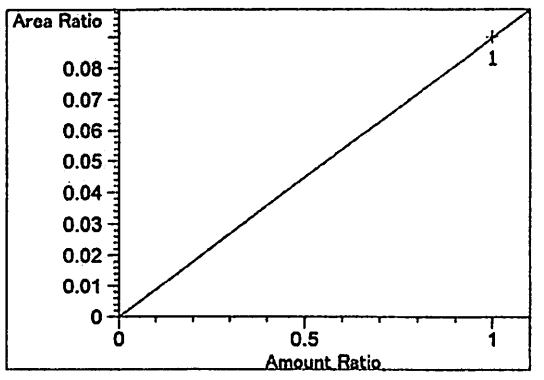
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.99225e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.99225e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

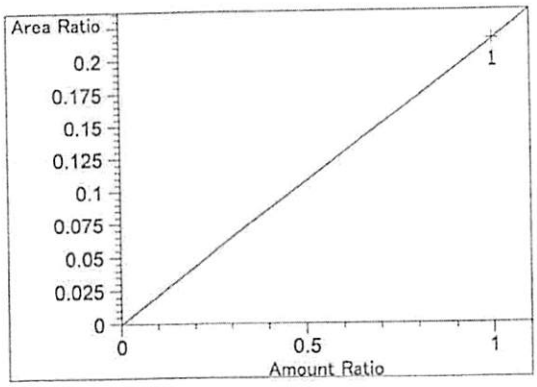


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99993
Residual Std. Dev.: 0.00489
Formula: y = mx + b
m: 1.94944
b: -4.27841e-3
x: Amount Ratio
y: Area Ratio

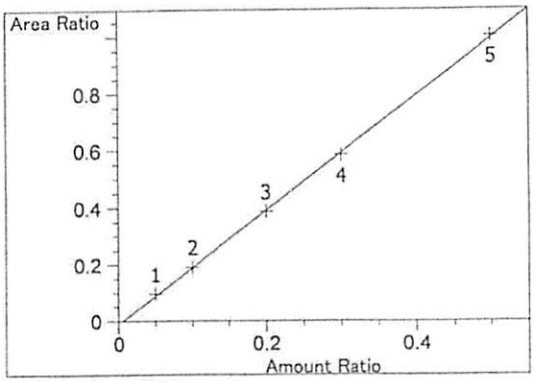


methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.99146e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

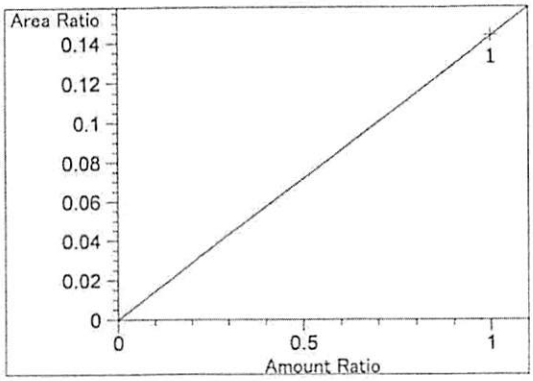
JC



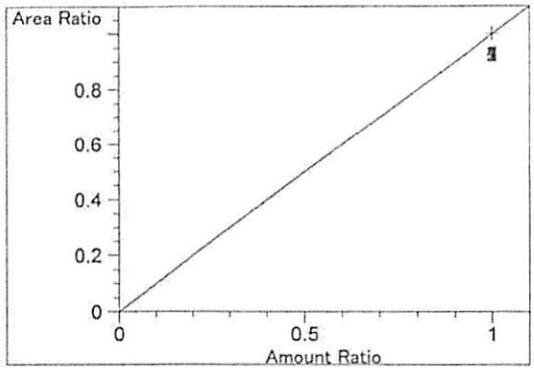
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.15114e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99979
Residual Std. Dev.: 0.00847
Formula: y = mx + b
m: 2.01311
b: -1.10328e-2
x: Amount Ratio
y: Area Ratio

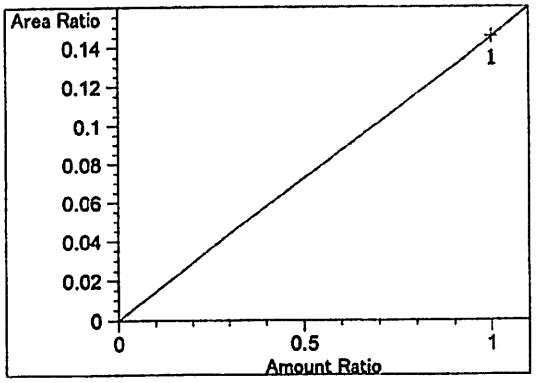


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.43683e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

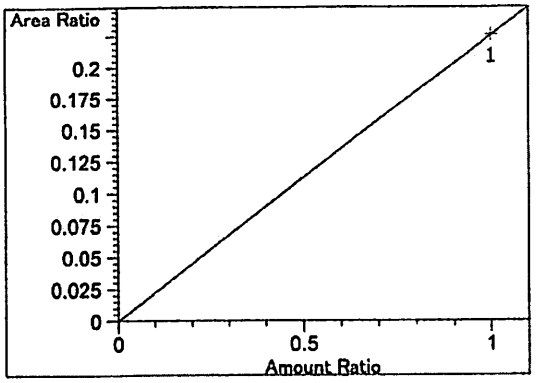


n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

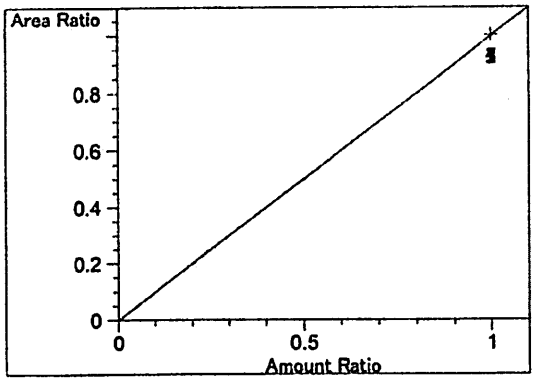
JG



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.45467e-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: 2.25944e-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

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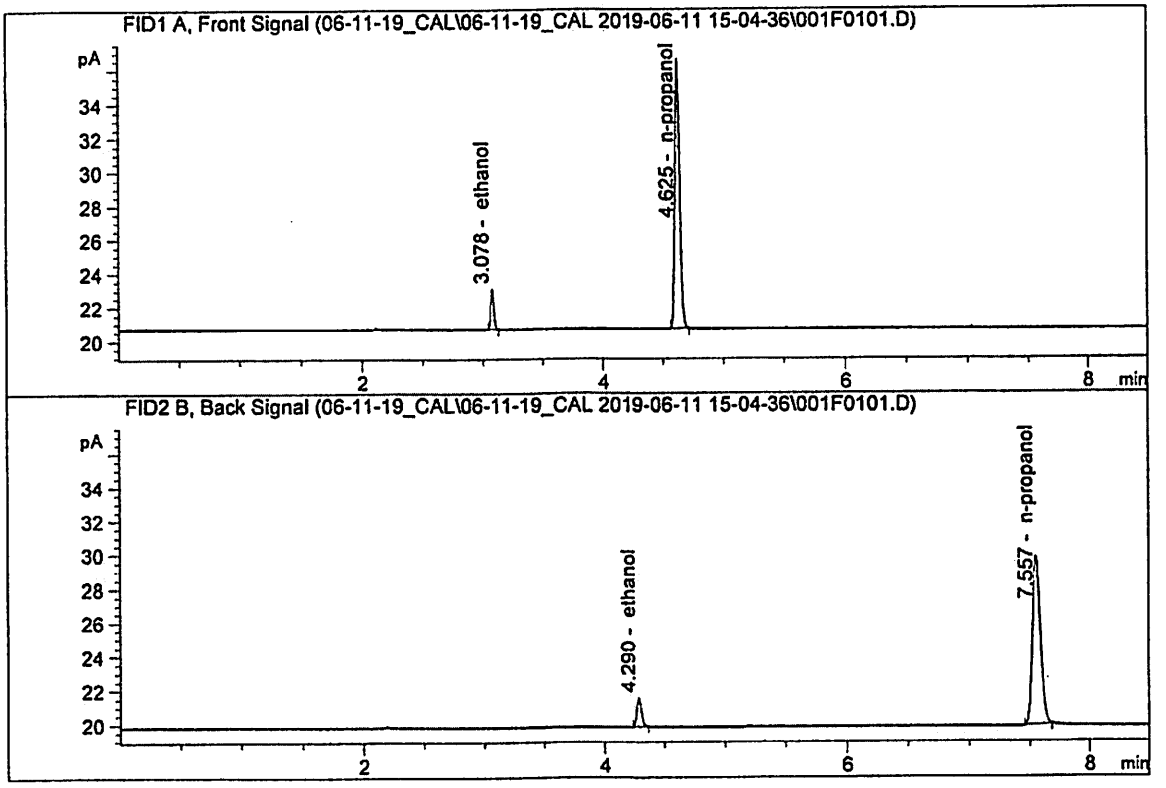
16

ISP Forensic Services Blood Alcohol Report

Sample Name	:	0.050 FN04271601
Laboratory	:	Meridian
Injection Date	:	Jun 11, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN11180014-CN11041167

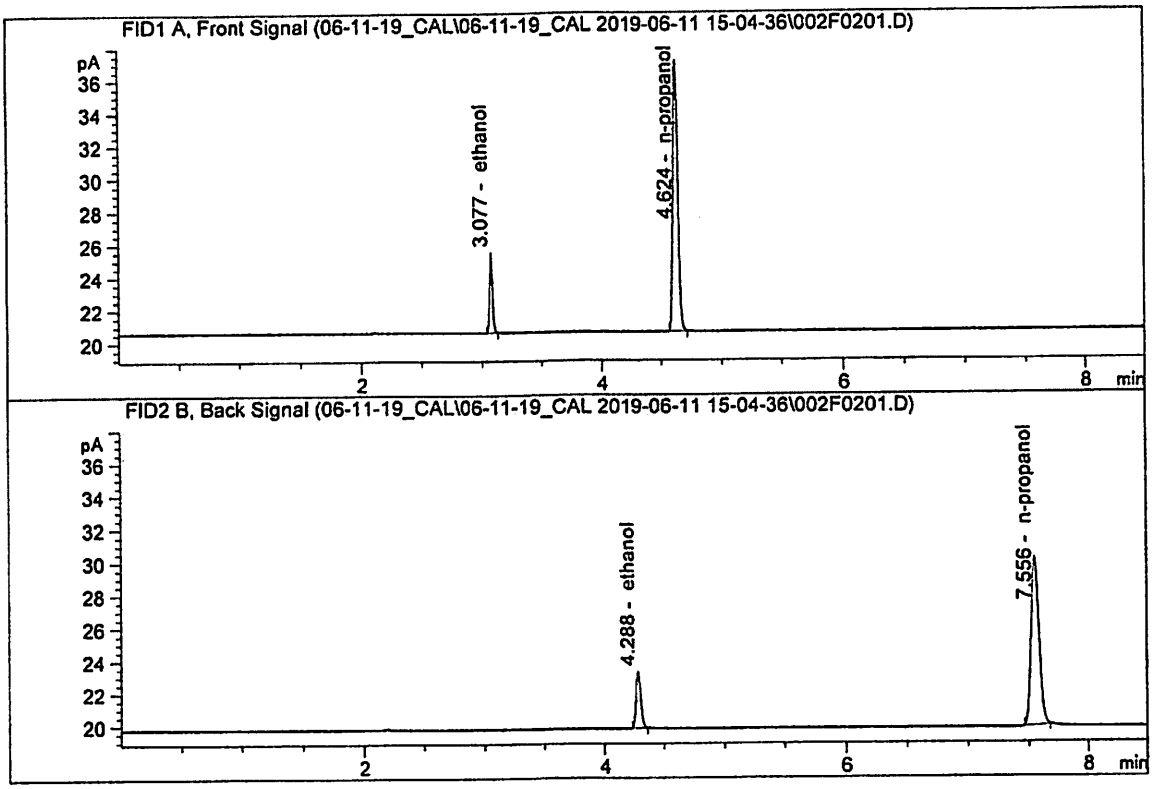


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.37562	0.0518	g/100cc
2.	Ethanol	Column 2:	4.58838	0.0536	g/100cc
3.	n-Propanol	Column 1:	45.23441	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.38522	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN08101601
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

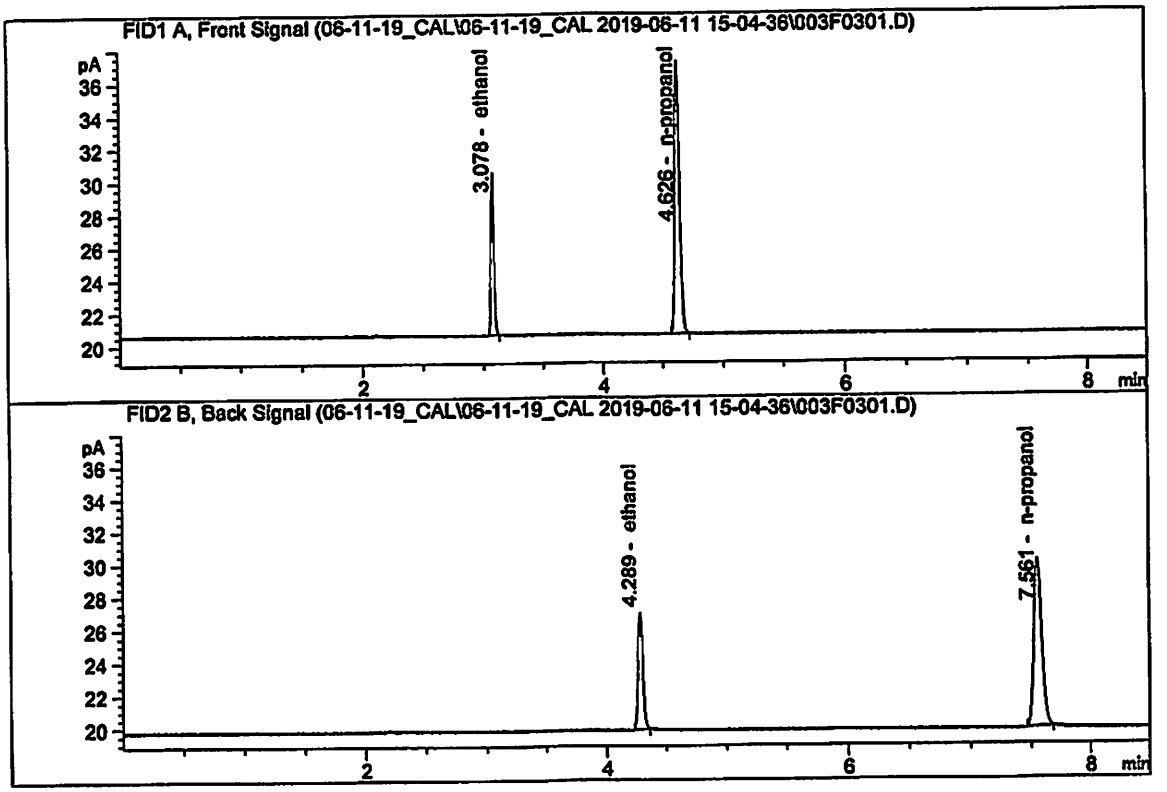


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.95804	0.1002	g/100cc
2.	Ethanol	Column 2:	9.33742	0.1002	g/100cc
3.	n-Propanol	Column 1:	46.90075	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.94873	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name	:	0.200 FN03301601
Laboratory	:	Meridian
Injection Date	:	Jun 11, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN11180014-CN11041167



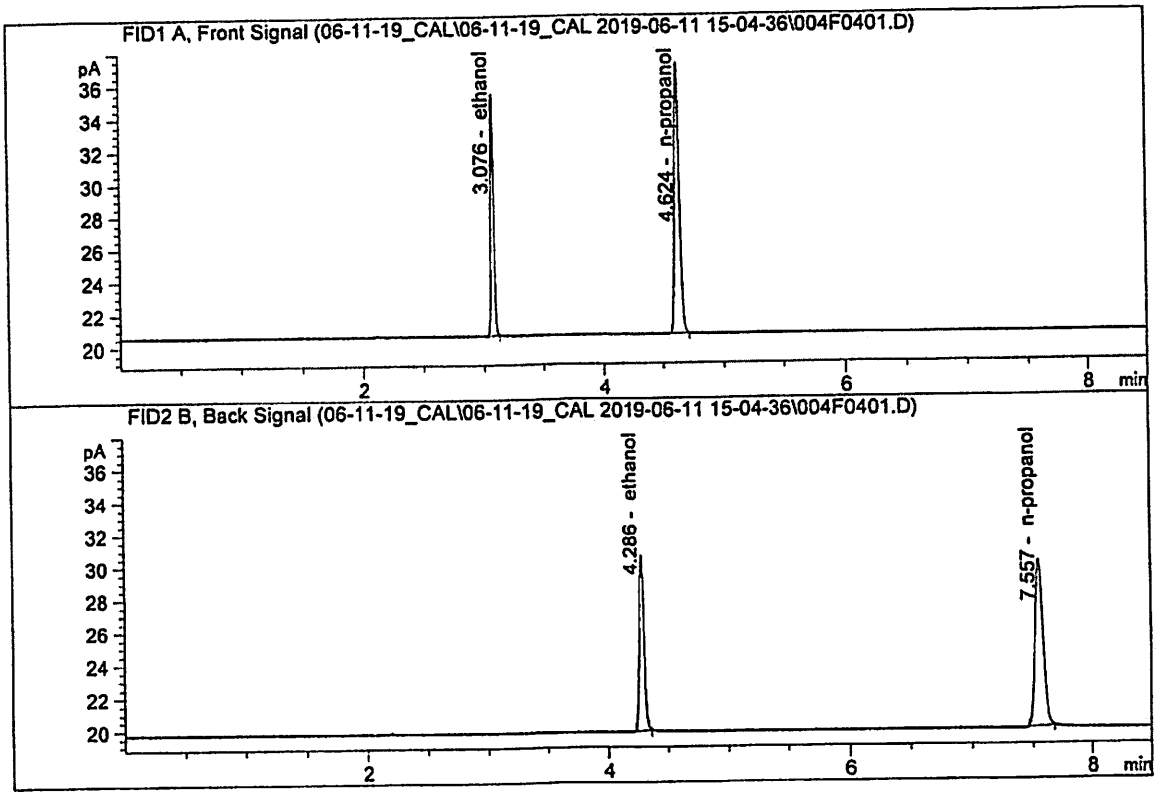
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.02525	0.1992	g/100cc
2.	Ethanol	Column 2:	18.91997	0.1974	g/100cc
3.	n-Propanol	Column 1:	46.92748	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.96447	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

JG

Sample Name : 0.300 ~~FN02121601~~ FN0731804
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

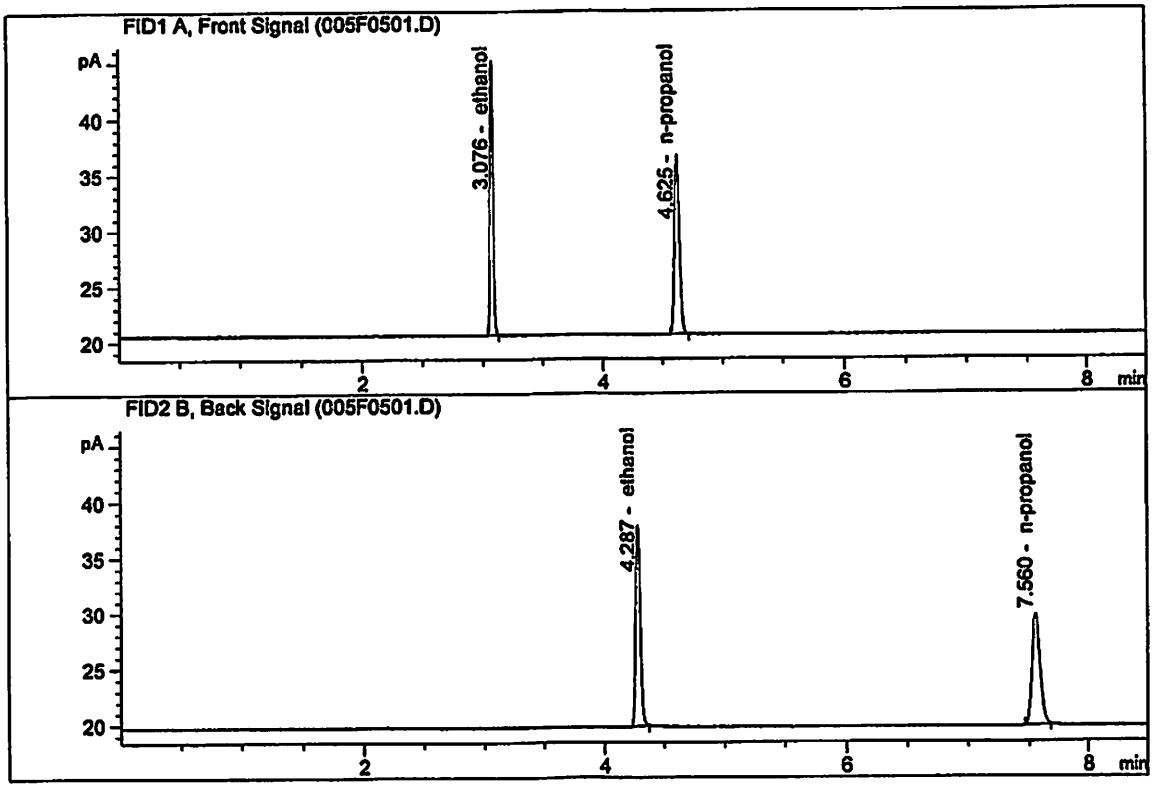


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.91838	0.2967	g/100cc
2.	Ethanol	Column 2:	28.43967	0.2953	g/100cc
3.	n-Propanol	Column 1:	46.88183	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.73965	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

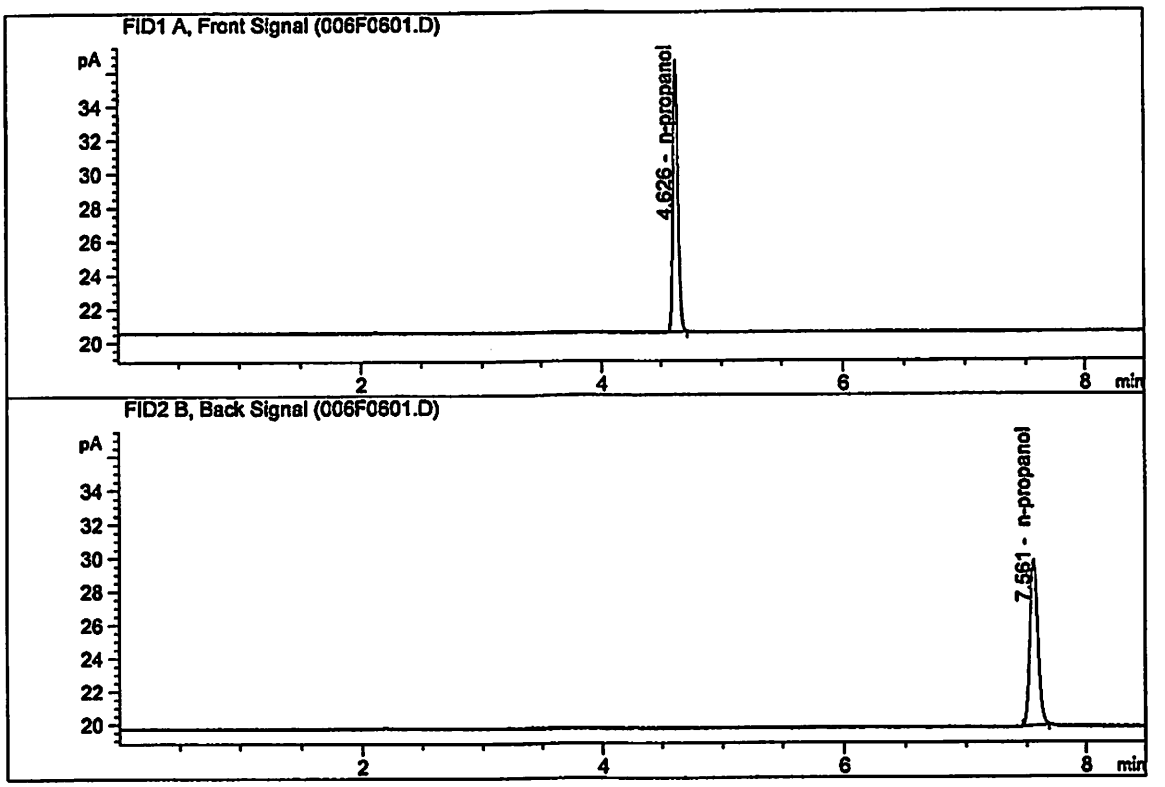


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.61555	0.5021	g/100cc
2.	Ethanol	Column 2:	47.49100	0.5034	g/100cc
3.	n-Propanol	Column 1:	45.78543	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.37630	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Jun 11, 2019
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:	45.79245	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.58323	1.0000	g/100cc

J6

Sequence File C:\Chem32\1\Data\06-11-19_CAL\06-11-19_CAL 2019-06-11 15-04-36\06-11-19_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\06-11-19_CAL\06-11-19_CAL 2019-06-11 15-04-36\06-11-19_CAL.S
Data directory path: C:\Chem32\1\Data\06-11-19_CAL\06-11-19_CAL 2019-06-11 15-04-36\
Logbook: C:\Chem32\1\Data\06-11-19_CAL\06-11-19_CAL 2019-06-11 15-04-36\06-11-19_CAL.LOG
Sequence start: 6/11/2019 3:19:55 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\06-11-19_CAL\06-11-19_CAL 2019-06-11 15-04-36\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN04271601	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN08101601	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN03301601	-	1.0000	003F0301.D	*	4
4	4	1	0.300 ~~FN02121601~~ 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