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):10/16/19-10/17/19**

Calibration Date: 10/16/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0800 g/100cc
					0.0810 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2039 g/100cc
					0.2061 g/100cc
					g/100cc

Multi-Component mixture:	Sep-20	Lot #	FN06041502	ok
Curve Fit:	Column 1	0.99999	Column2	0.99995

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0509	0.0522	0.0013	0.0515
100	0.100	0.090 - 0.110	0.0994	0.0995	0.0001	0.0994
200	0.200	0.180 - 0.220	0.1996	0.1983	0.0013	0.1989
300	0.300	0.270 - 0.330	0.2997	0.2985	0.0012	0.2991
500	0.500	0.450 - 0.550	0.5004	0.5014	0.001	0.5009

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 3:19 pm, Oct 17, 2019

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

10/17/2019

Worklist: 3759

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2019-4316	2	BCK	Alcohol Analysis
M2019-4427	1	BCK	Alcohol Analysis
M2019-4430	1	BCK	Alcohol Analysis
M2019-4445	1	BCK	Alcohol Analysis
M2019-4446	1	BCK	Alcohol Analysis
M2019-4447	1	BCK	Alcohol Analysis
M2019-4449	1	BCK	Alcohol Analysis
M2019-4454	1	BCK	Alcohol Analysis
M2019-4462	1	BCK	Alcohol Analysis
M2019-4487	1	BCK	Alcohol Analysis
M2019-4488	1	BCK	Alcohol Analysis
M2019-4505	2	BCK	Alcohol Analysis
M2019-4518	1	BCK	Alcohol Analysis
M2019-4535	1	BCK	Alcohol Analysis
M2019-4536	1	BCK	Alcohol Analysis
M2019-4537	1	BCK	Alcohol Analysis
M2019-4556	1	BCK	Alcohol Analysis
M2019-4562	1	BCK	Alcohol Analysis
M2019-4575	1	BCK	Alcohol Analysis
M2019-4581	1	BCK	Alcohol Analysis

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, October 16, 2019 2:26:32 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

JC

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	4.24434	1.17804e-2	No	No	1	ethanol
		2	1.00000e-1	8.59285	1.16376e-2				
		3	2.00000e-1	17.34125	1.15332e-2				
		4	3.00000e-1	25.88383	1.15902e-2				
		5	5.00000e-1	43.04636	1.16154e-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	4.36005	1.14678e-2	No	No	2	ethanol
		2	1.00000e-1	8.90578	1.12287e-2				
		3	2.00000e-1	18.12253	1.10360e-2				
		4	3.00000e-1	27.26104	1.10047e-2				
		5	5.00000e-1	45.66494	1.09493e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	43.13191	2.31847e-2	No	Yes	1	n-propanol
		2	1.00000	44.59713	2.24230e-2				
		3	1.00000	44.77062	2.23361e-2				
		4	1.00000	44.48696	2.24785e-2				
		5	1.00000	44.28769	2.25796e-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	45.22579	2.21113e-2	No	Yes	2	n-propanol
		2	1.00000	46.55435	2.14803e-2				
		3	1.00000	46.52124	2.14956e-2				
		4	1.00000	46.15976	2.16639e-2				
		5	1.00000	45.77140	2.18477e-2				

Peak Sum Table

No Entries in table

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1 Warnings or Errors :

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

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Calibration Curves

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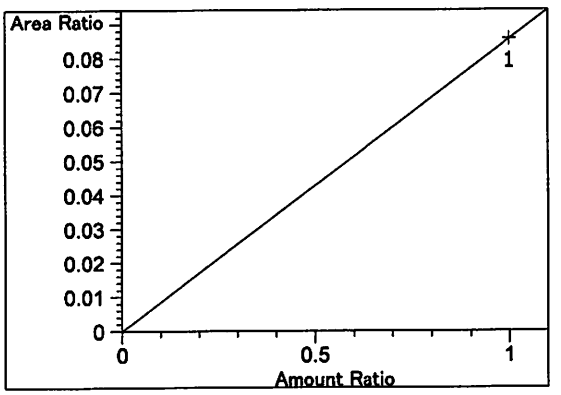
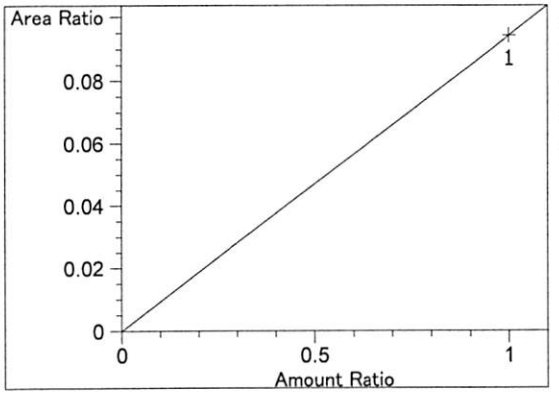
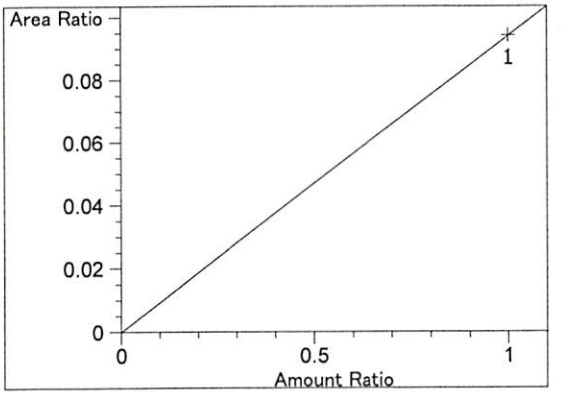


methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.57067e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

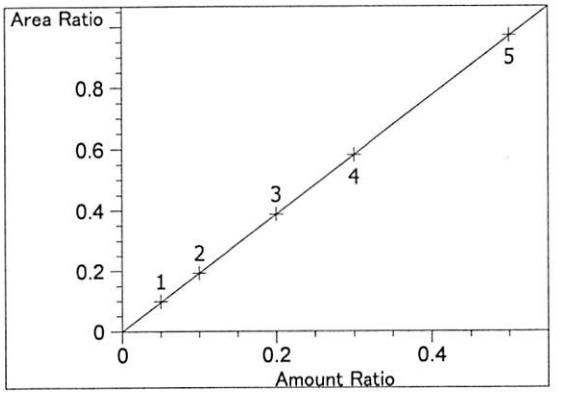
JC



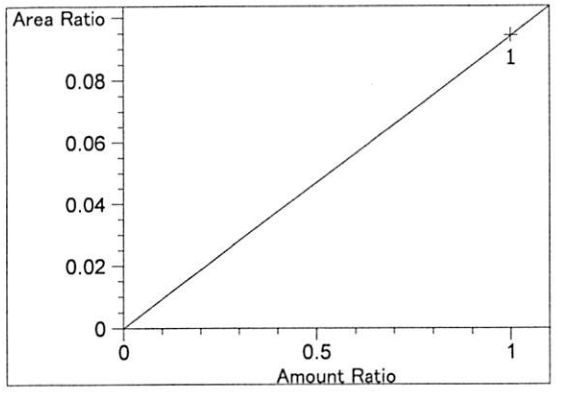
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.42162e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.42162e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

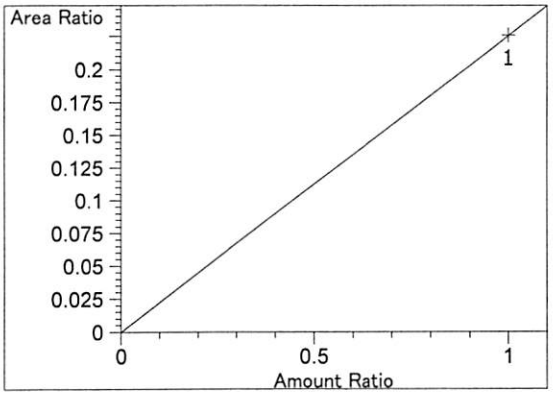


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00143
Formula: y = mx + b
m: 1.94359
b: -5.82374e-4
x: Amount Ratio
y: Area Ratio

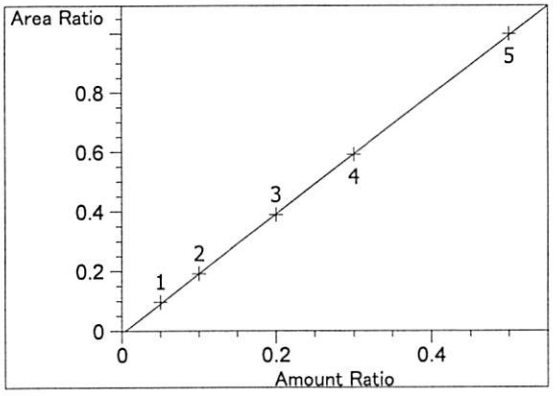


methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.42079e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

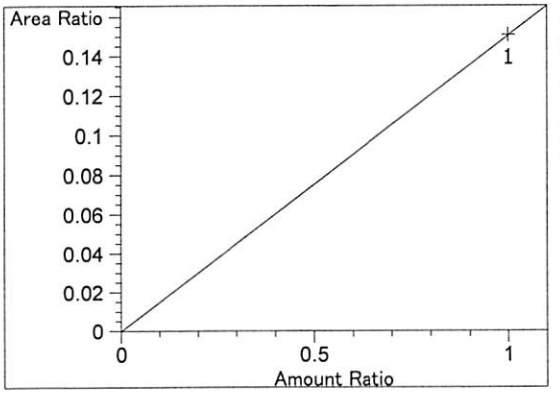
JC



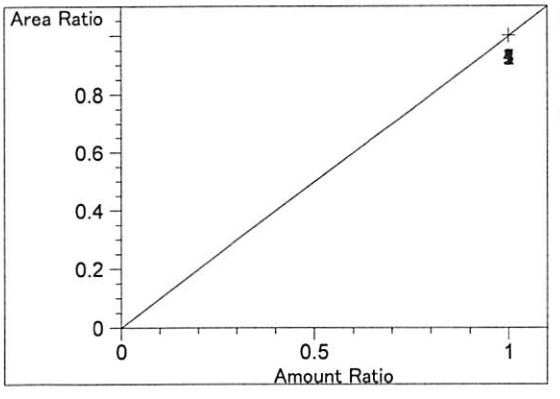
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.25600e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99995
Residual Std. Dev.: 0.00404
Formula: y = mx + b
m: 2.00628
b: -8.34214e-3
x: Amount Ratio
y: Area Ratio

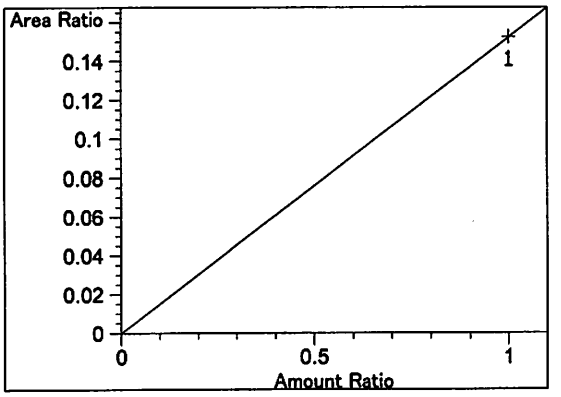


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.50687e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

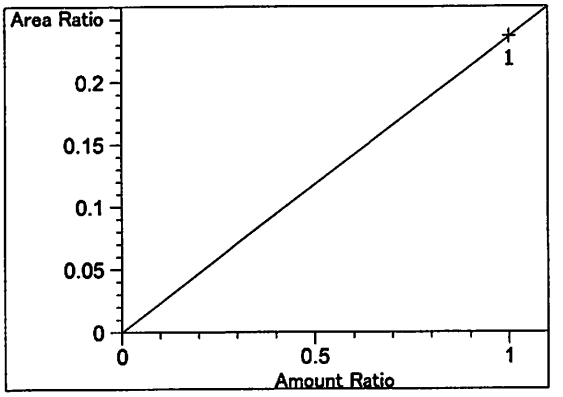


n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

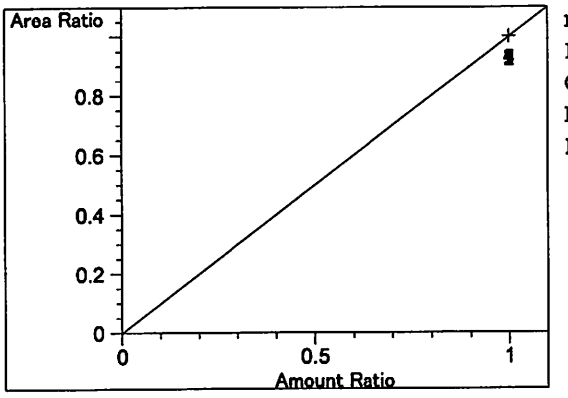
JC



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.52413e-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: 2.36733e-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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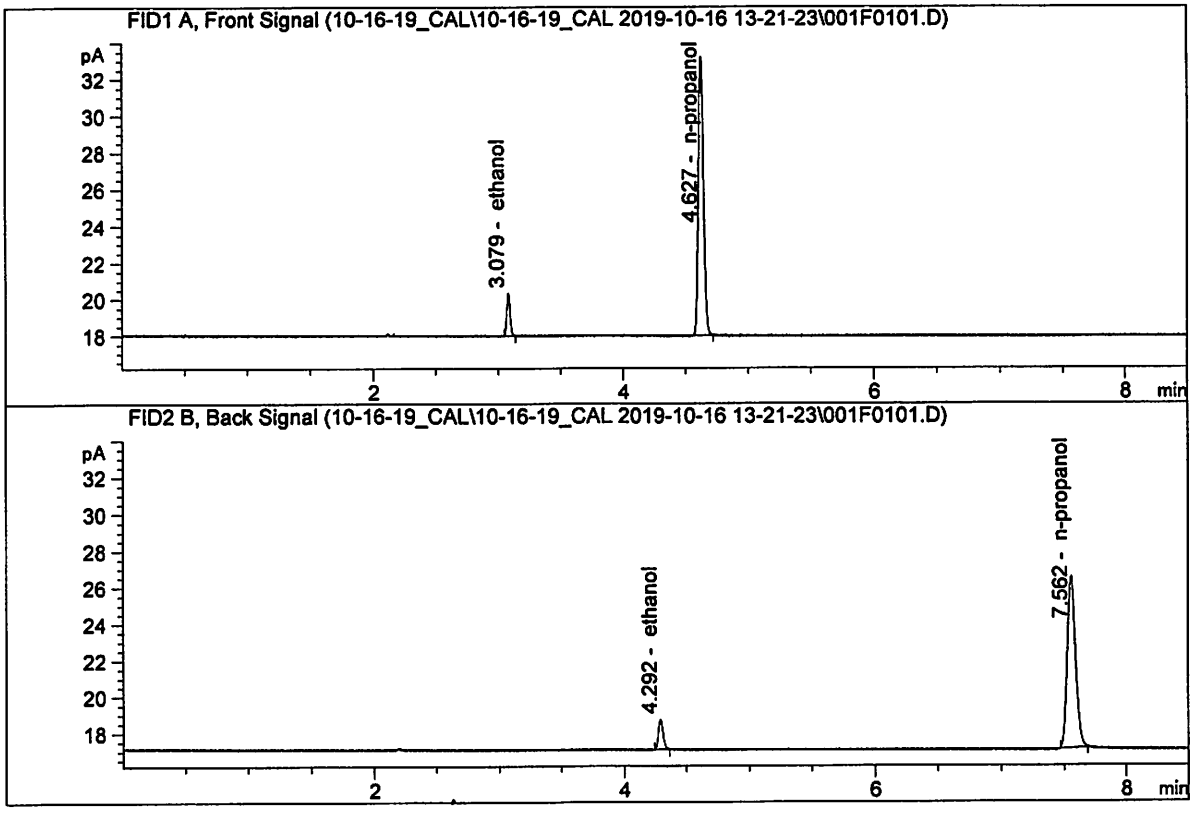
ISP Forensic Services Blood Alcohol Report

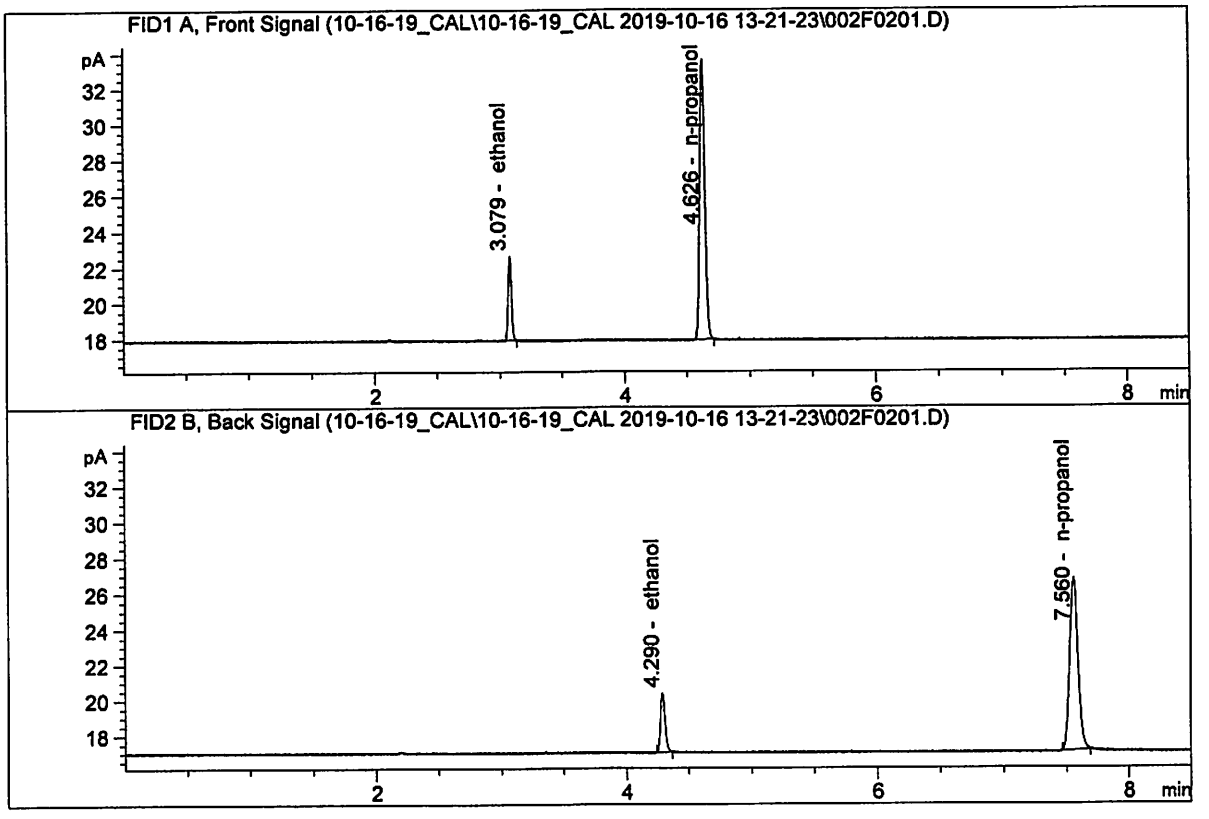
Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.24434	0.0509	g/100cc
2.	Ethanol	Column 2:	4.36005	0.0522	g/100cc
3.	n-Propanol	Column 1:	43.13191	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.22579	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

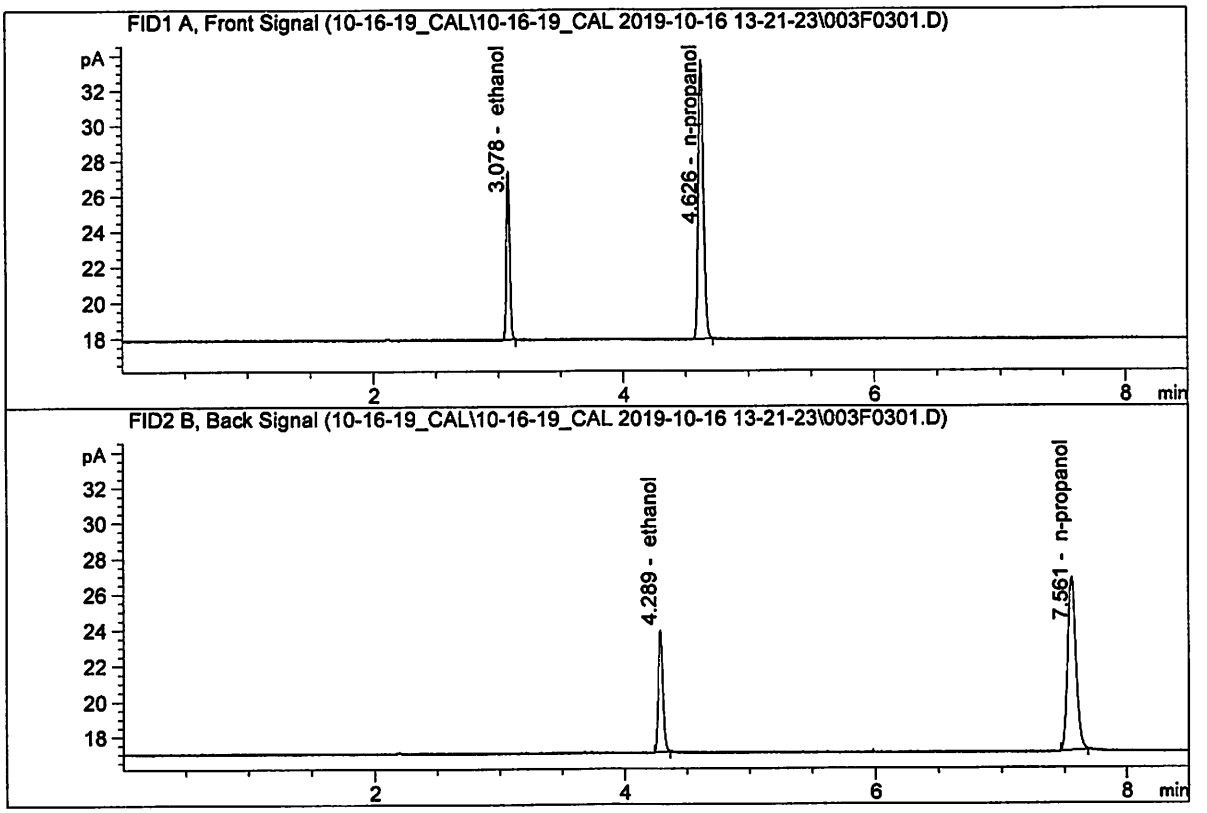
Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.59285	0.0994	g/100cc
2.	Ethanol	Column 2:	8.90578	0.0995	g/100cc
3.	n-Propanol	Column 1:	44.59713	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.55435	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

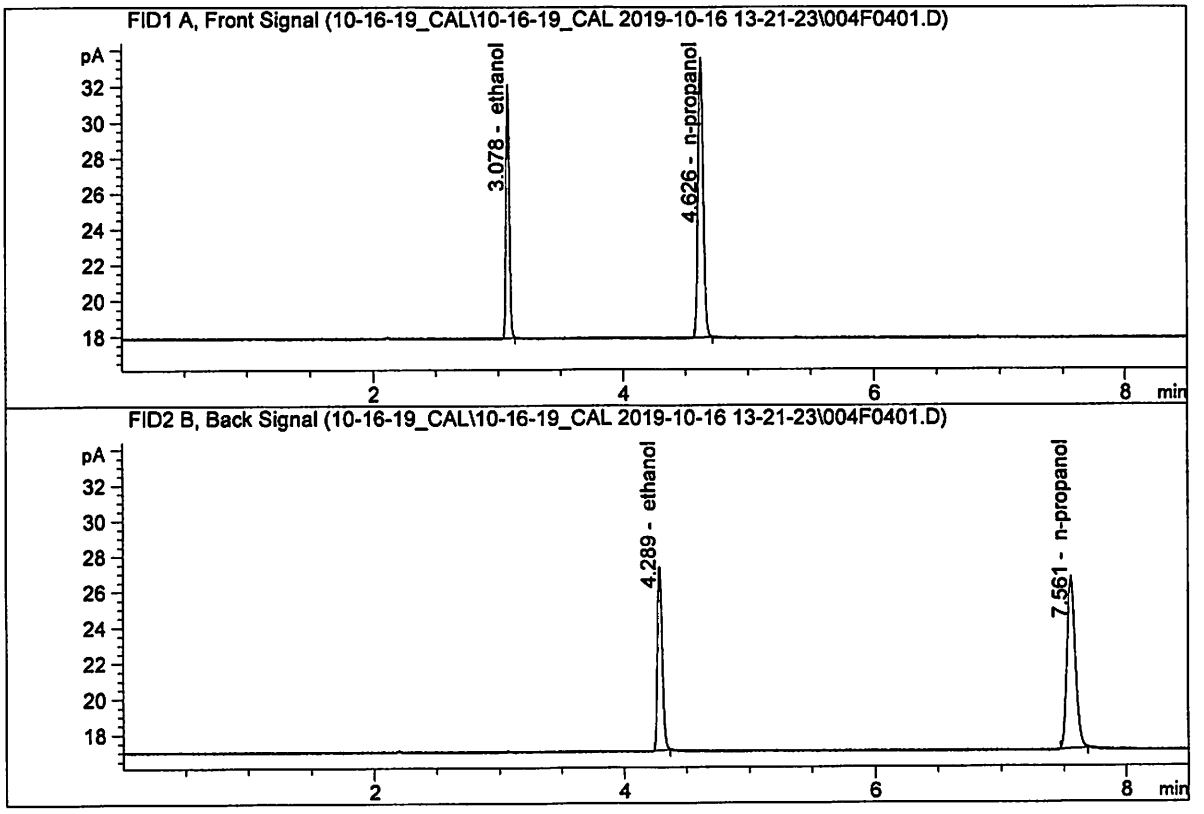


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.34125	0.1996	g/100cc
2.	Ethanol	Column 2:	18.12253	0.1983	g/100cc
3.	n-Propanol	Column 1:	44.77062	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.52124	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

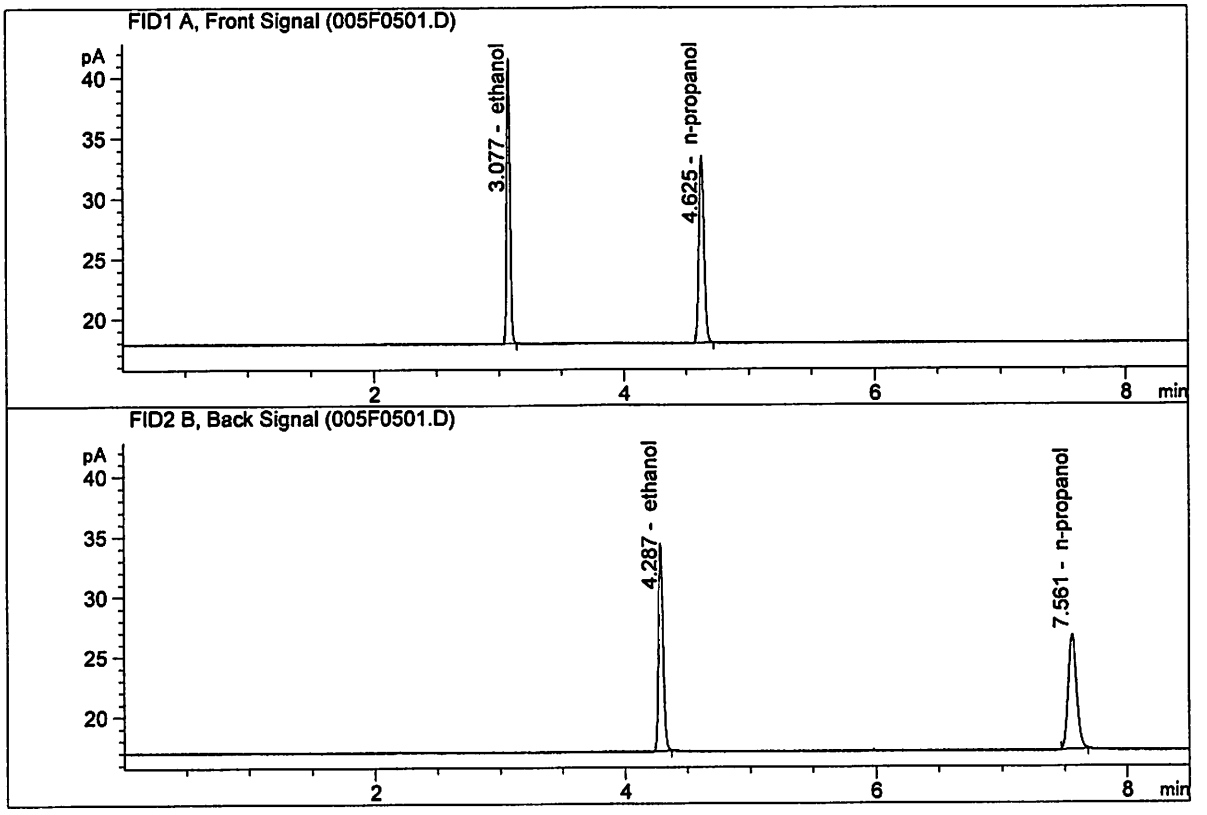


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	25.88383	0.2997	g/100cc
2.	Ethanol	Column 2:	27.26104	0.2985	g/100cc
3.	n-Propanol	Column 1:	44.48696	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.15976	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

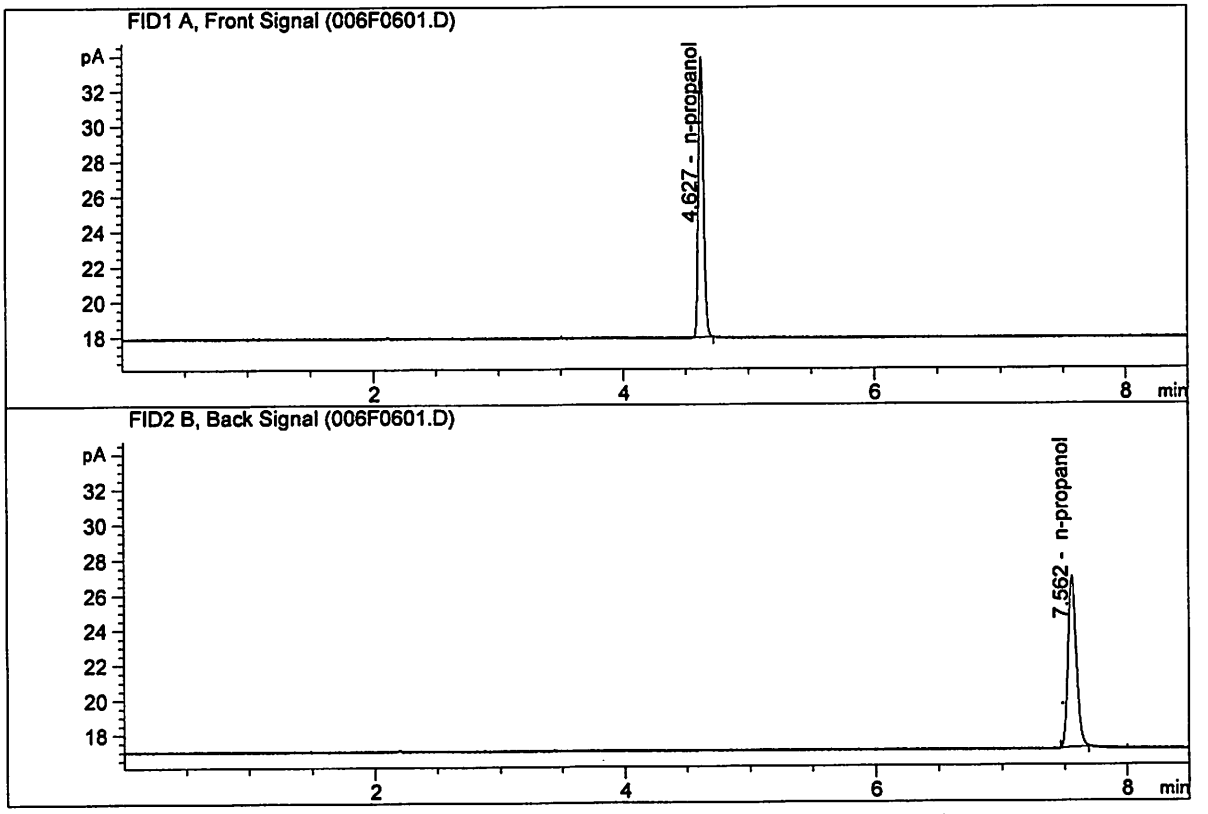


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.04636	0.5004	g/100cc
2.	Ethanol	Column 2:	45.66494	0.5014	g/100cc
3.	n-Propanol	Column 1:	44.28769	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.77140	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Oct 16, 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:	45.52771	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.21188	1.0000	g/100cc

JG

Sequence File C:\Chem32\1\Data\10-16-19_CAL\10-16-19_CAL 2019-10-16 13-21-23\10-16-19_CAL.S

Sample Summary

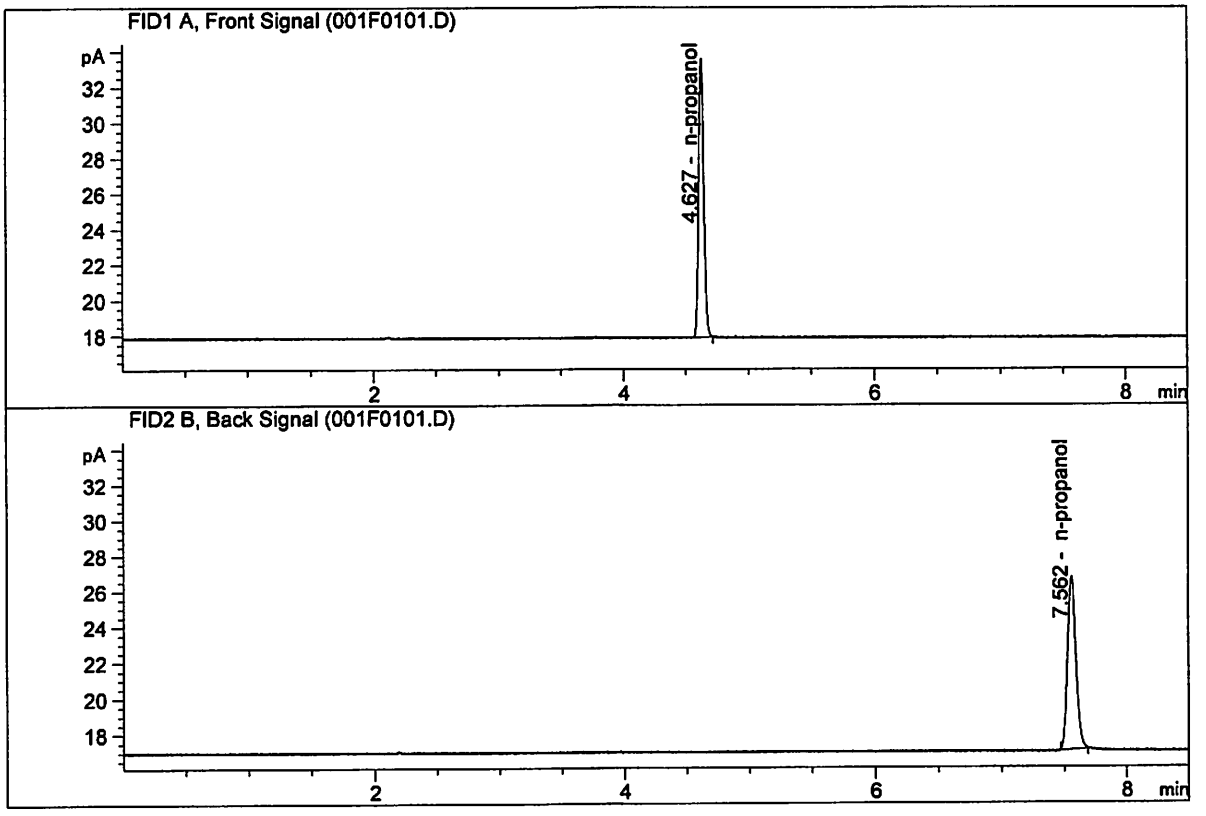
Sequence table: C:\Chem32\1\Data\10-16-19_CAL\10-16-19_CAL 2019-10-16 13-21-23\10-16-19_CAL.S
Data directory path: C:\Chem32\1\Data\10-16-19_CAL\10-16-19_CAL 2019-10-16 13-21-23\
Logbook: C:\Chem32\1\Data\10-16-19_CAL\10-16-19_CAL 2019-10-16 13-21-23\10-16-19_CAL.LOG
Sequence start: 10/16/2019 1:35:59 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\10-16-19_CAL\10-16-19_CAL 2019-10-16 13-21-23\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN05211804	-	1.0000	001F0101.D	*	4
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

ISP Forensic Services Blood Alcohol Report

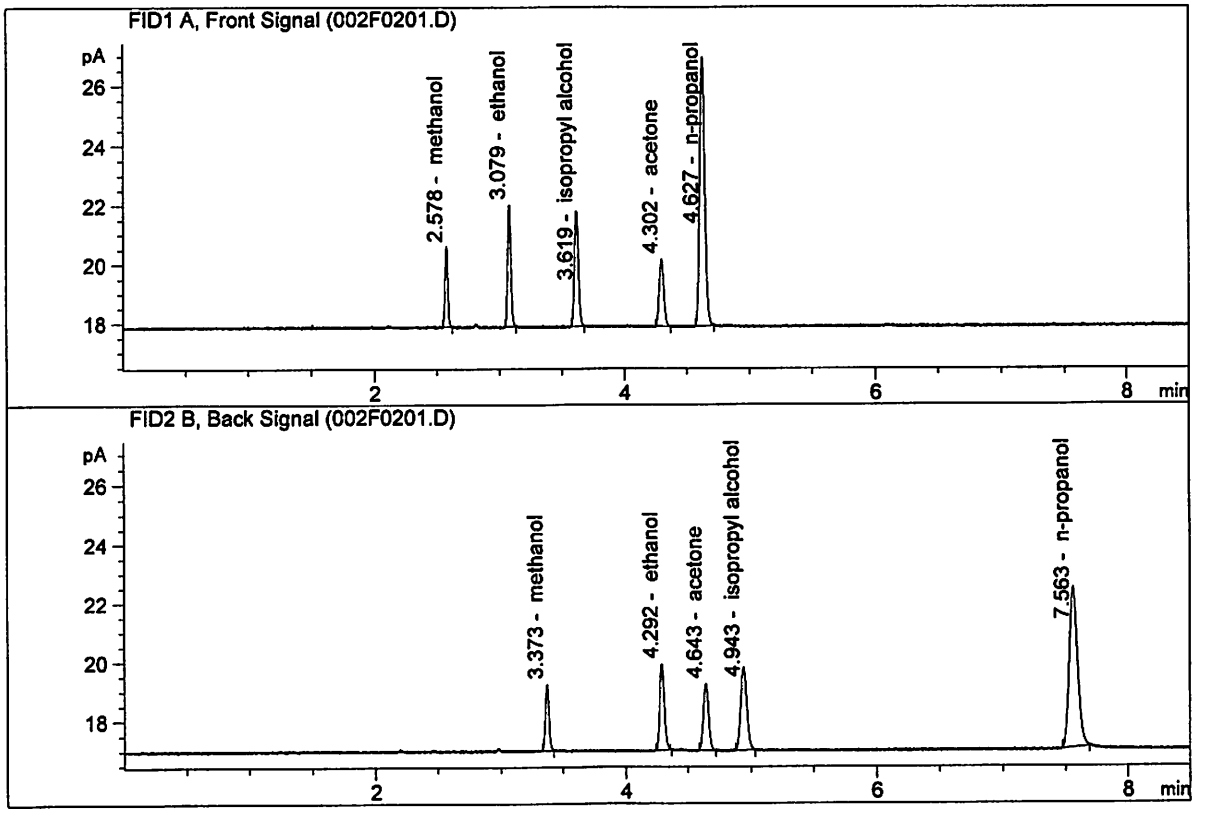
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	44.65046	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.54261	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.39270	0.1487	g/100cc
2.	Ethanol	Column 2:	7.69993	0.1518	g/100cc
3.	n-Propanol	Column 1:	25.62828	1.0000	g/100cc
4.	n-Propanol	Column 2:	25.99889	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 16 Oct 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0795	0.0811	0.0016	0.0803	0.0800	
(g/100cc)	0.0793	0.0804	0.0011	0.0798		

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%**

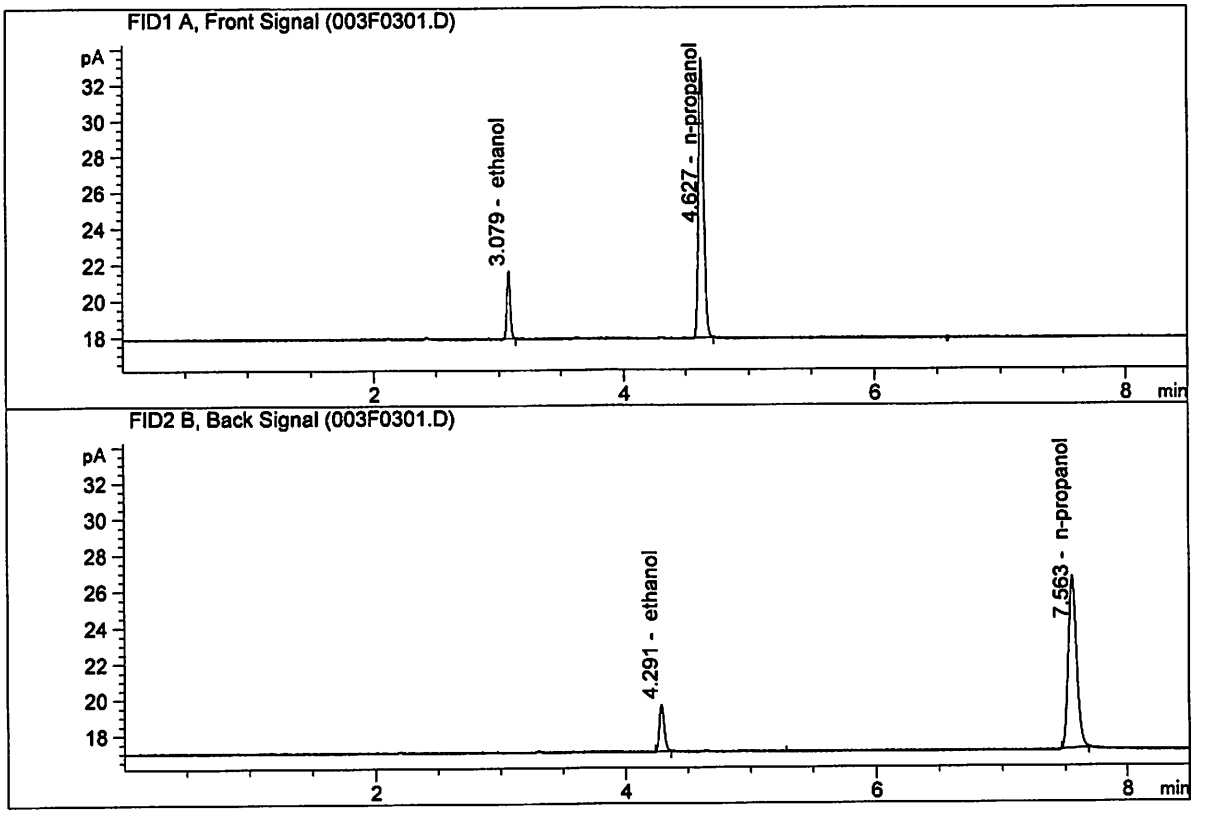
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

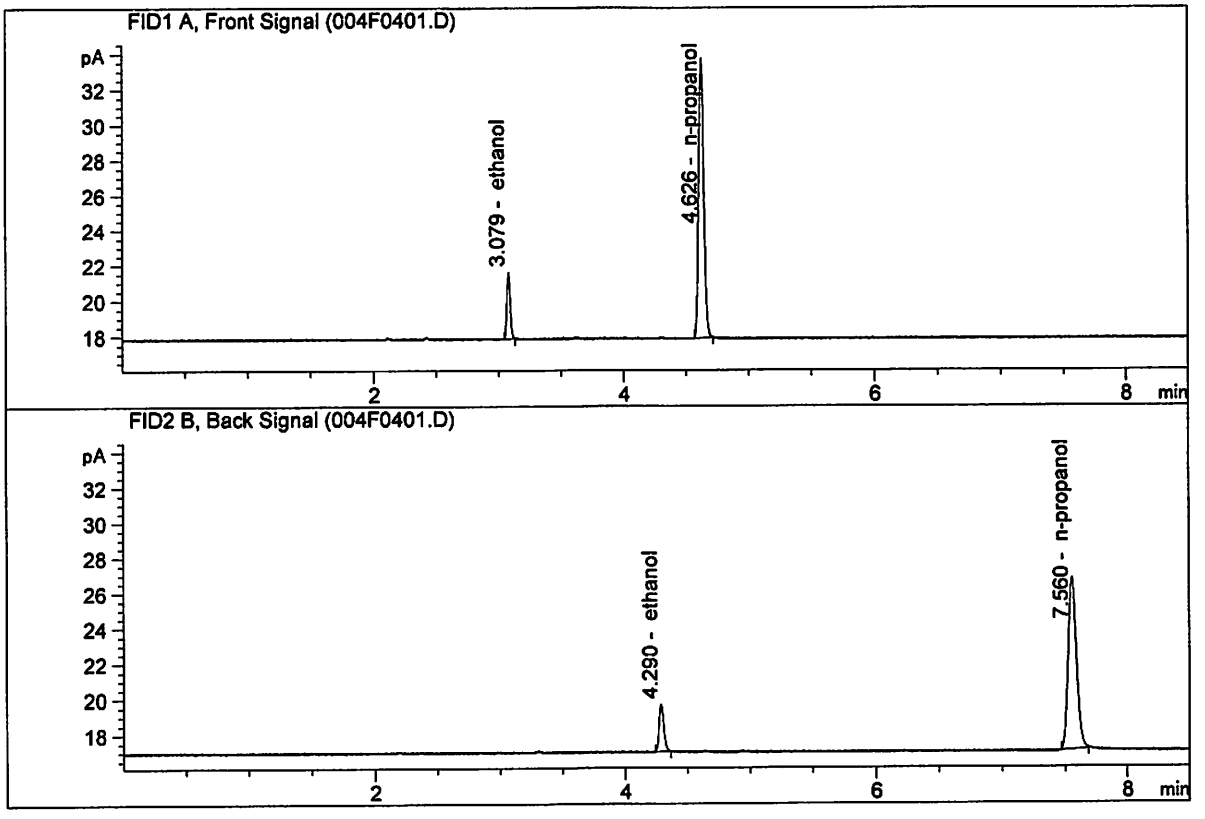


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.82855	0.0795	g/100cc
2.	Ethanol	Column 2:	7.09123	0.0811	g/100cc
3.	n-Propanol	Column 1:	44.34295	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.92475	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.92080	0.0793	g/100cc
2.	Ethanol	Column 2:	7.13122	0.0804	g/100cc
3.	n-Propanol	Column 1:	45.06110	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.64948	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 16 Oct 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0795	0.0804	0.0009	0.0799	0.0802	
(g/100cc)	0.0800	0.0809	0.0009	0.0804		

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
0.080	0.076	0.084	0.004

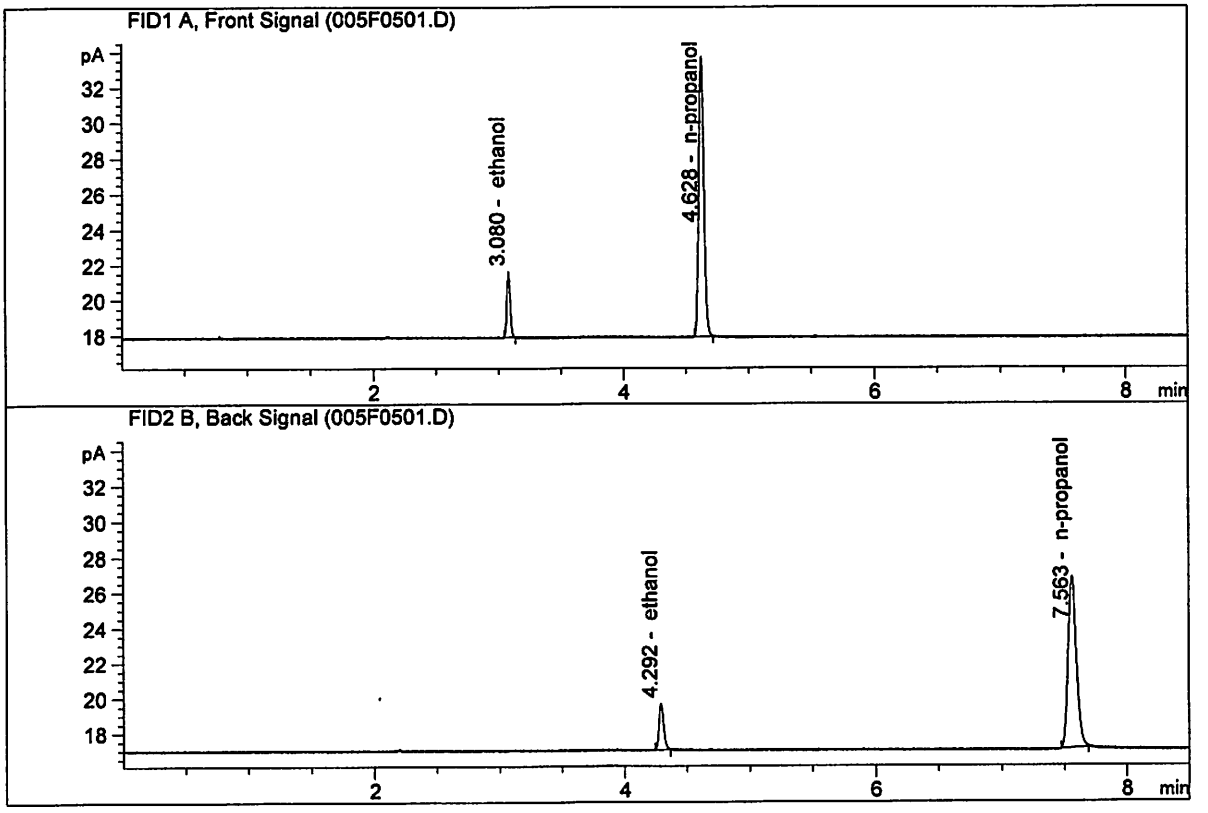
	Reported Result	
	0.080	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

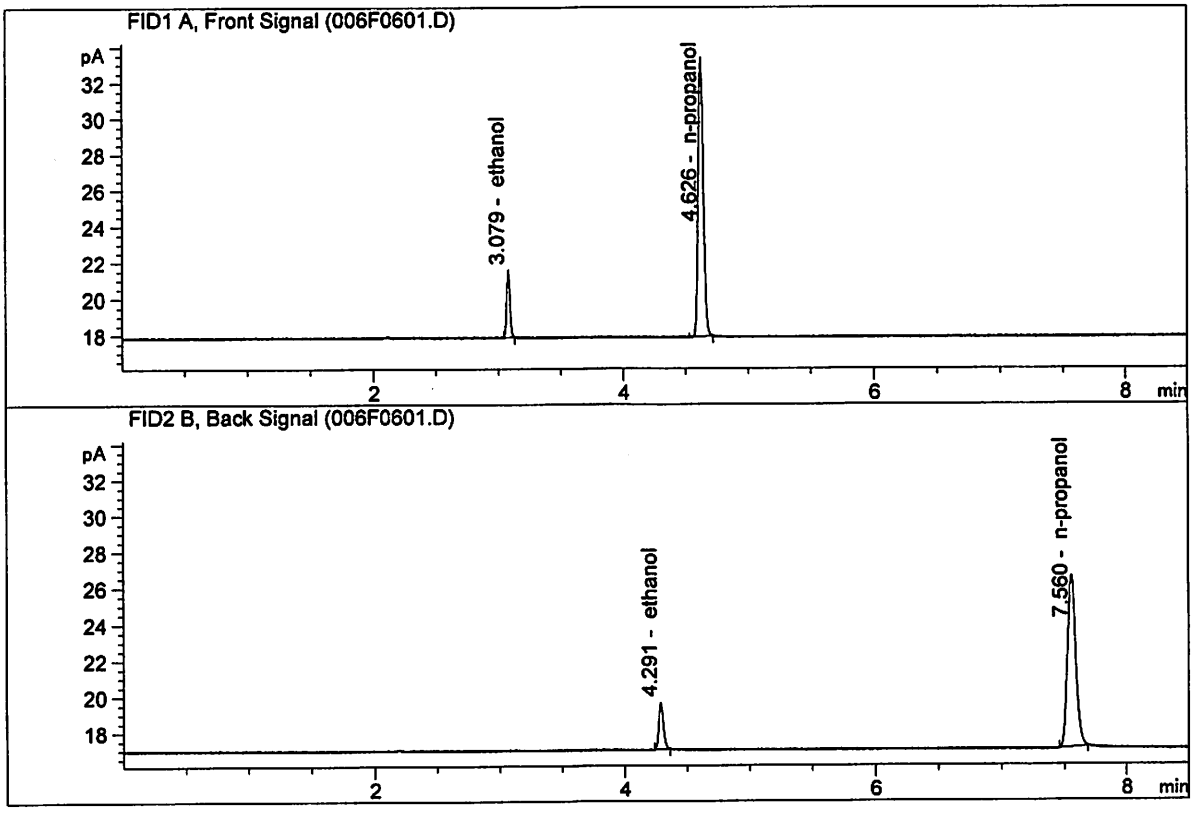


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.92395	0.0795	g/100cc
2.	Ethanol	Column 2:	7.11735	0.0804	g/100cc
3.	n-Propanol	Column 1:	45.00718	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.51338	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.82742	0.0800	g/100cc
2.	Ethanol	Column 2:	7.02048	0.0809	g/100cc
3.	n-Propanol	Column 1:	44.09672	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.62662	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 16 Oct 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2039	0.2043	0.0004	0.2041	0.2039	
(g/100cc)	0.2039	0.2038	0.0001	0.2038		

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
0.203	0.192	0.214	0.011

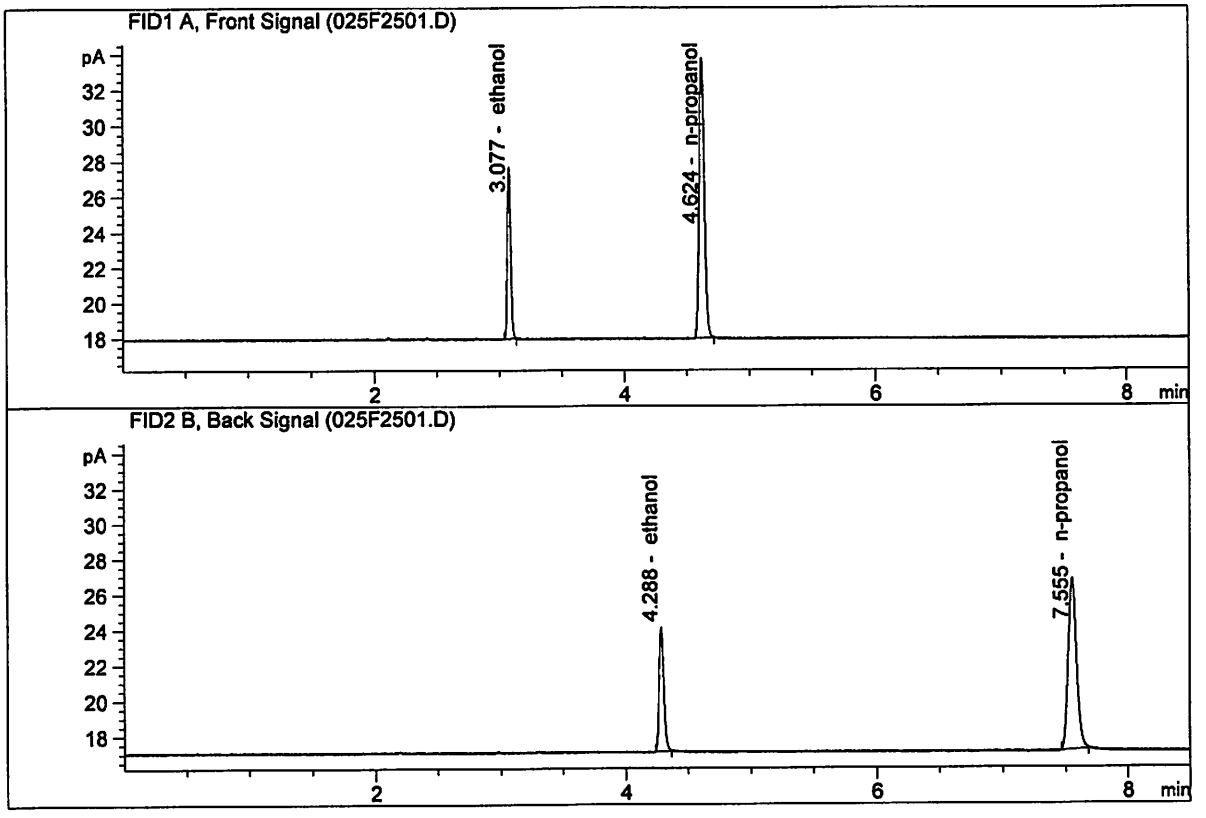
	Reported Result	
	0.203	

Calibration and control data are stored centrally.

06

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

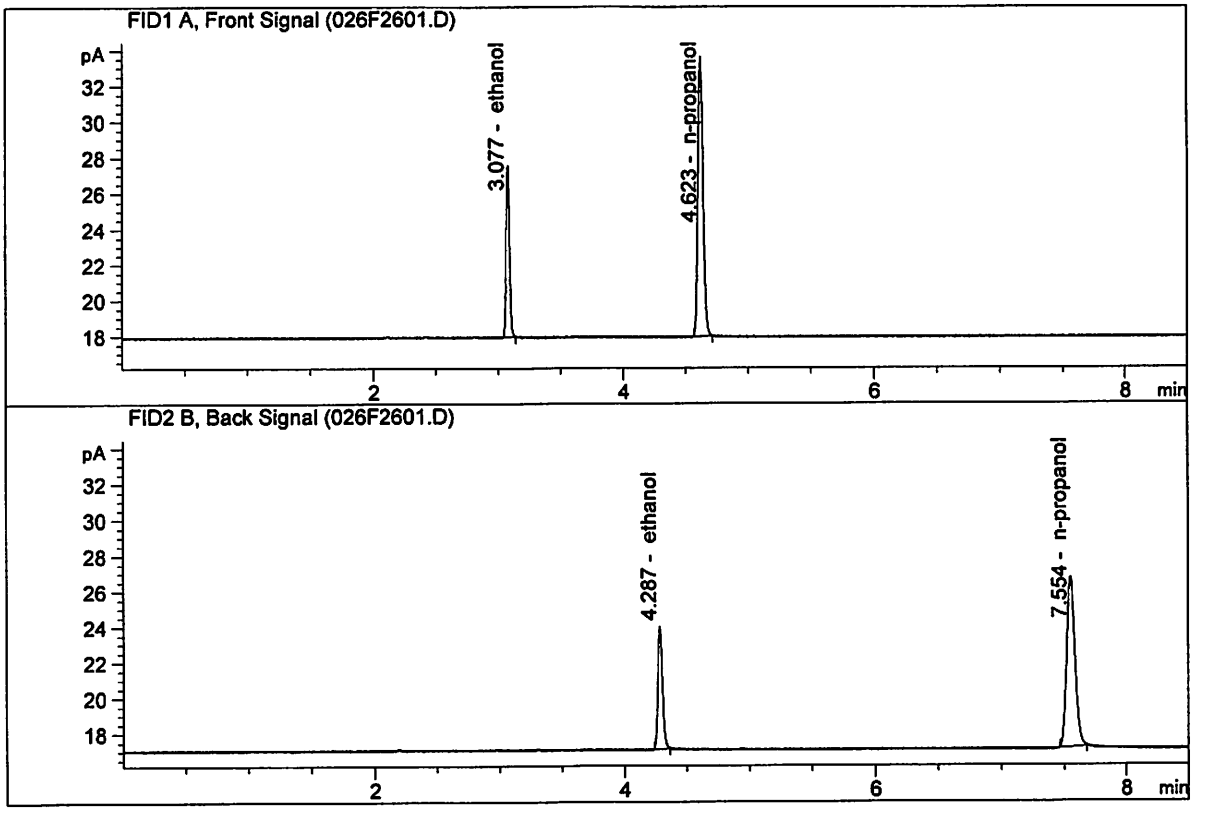


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.76970	0.2039	g/100cc
2.	Ethanol	Column 2:	18.51188	0.2043	g/100cc
3.	n-Propanol	Column 1:	44.91115	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.11248	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.65029	0.2039	g/100cc
2.	Ethanol	Column 2:	18.40103	0.2038	g/100cc
3.	n-Propanol	Column 1:	44.60648	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.94073	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 16 Oct 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0807	0.0815	0.0008	0.0811	0.0810	
(g/100cc)	0.0803	0.0816	0.0013	0.0809		

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%**

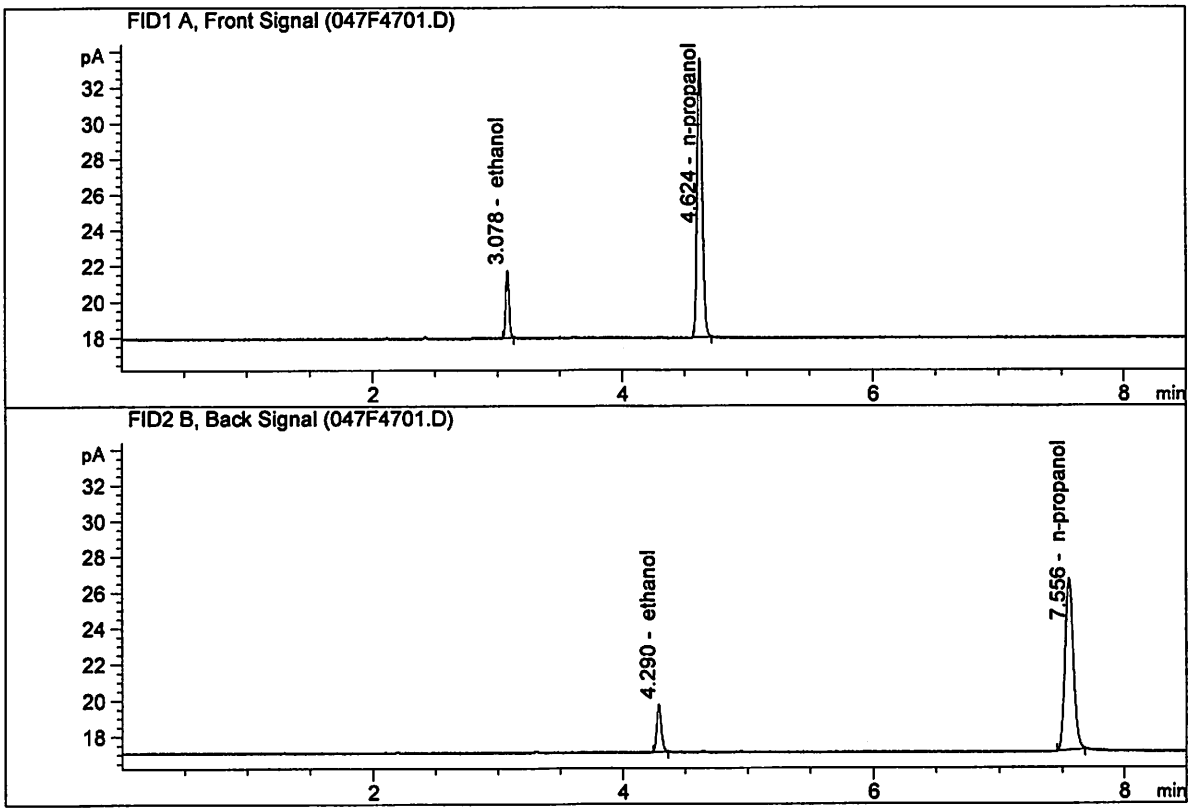
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

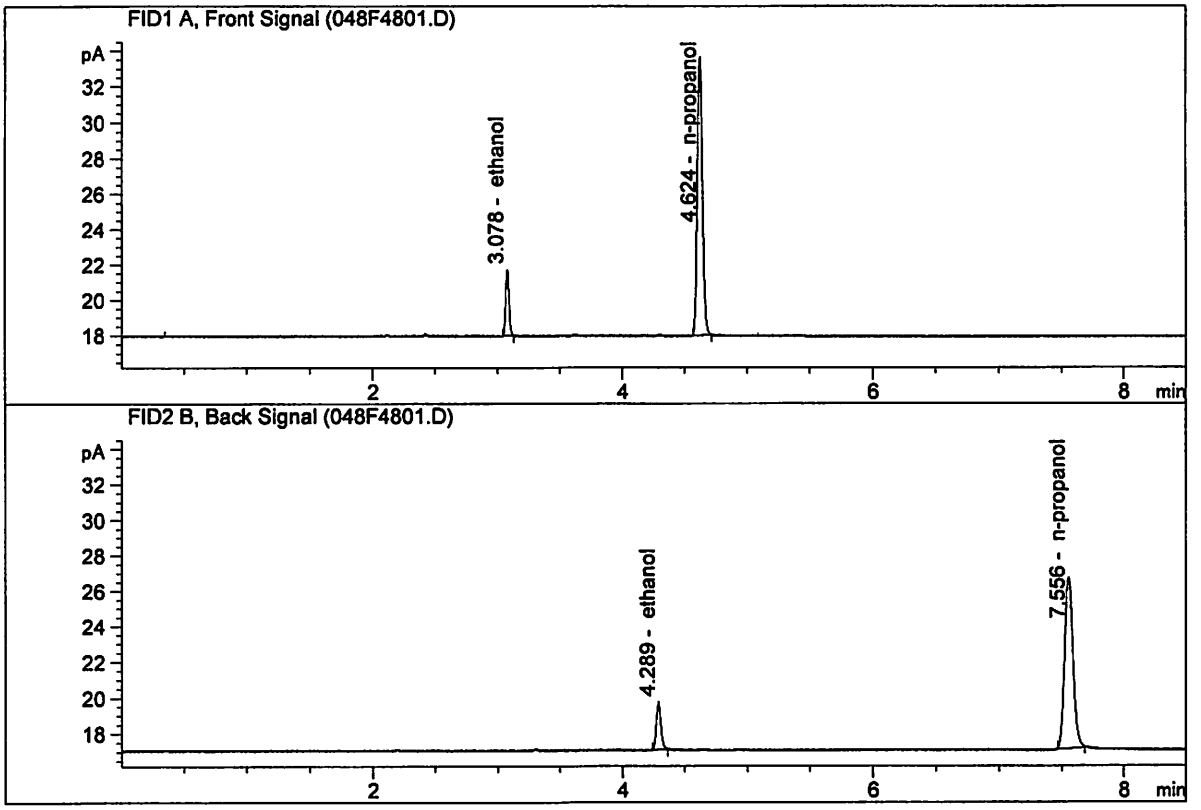


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.93678	0.0807	g/100cc
2.	Ethanol	Column 2:	7.08270	0.0815	g/100cc
3.	n-Propanol	Column 1:	44.36641	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.62285	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Oct 16, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.93743	0.0803	g/100cc
2.	Ethanol	Column 2:	7.13149	0.0816	g/100cc
3.	n-Propanol	Column 1:	44.62385	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.87138	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 17 Oct 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2042	0.2041	0.0001	0.2041	0.2061	
(g/100cc)	0.2079	0.2082	0.0003	0.2080		

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%**

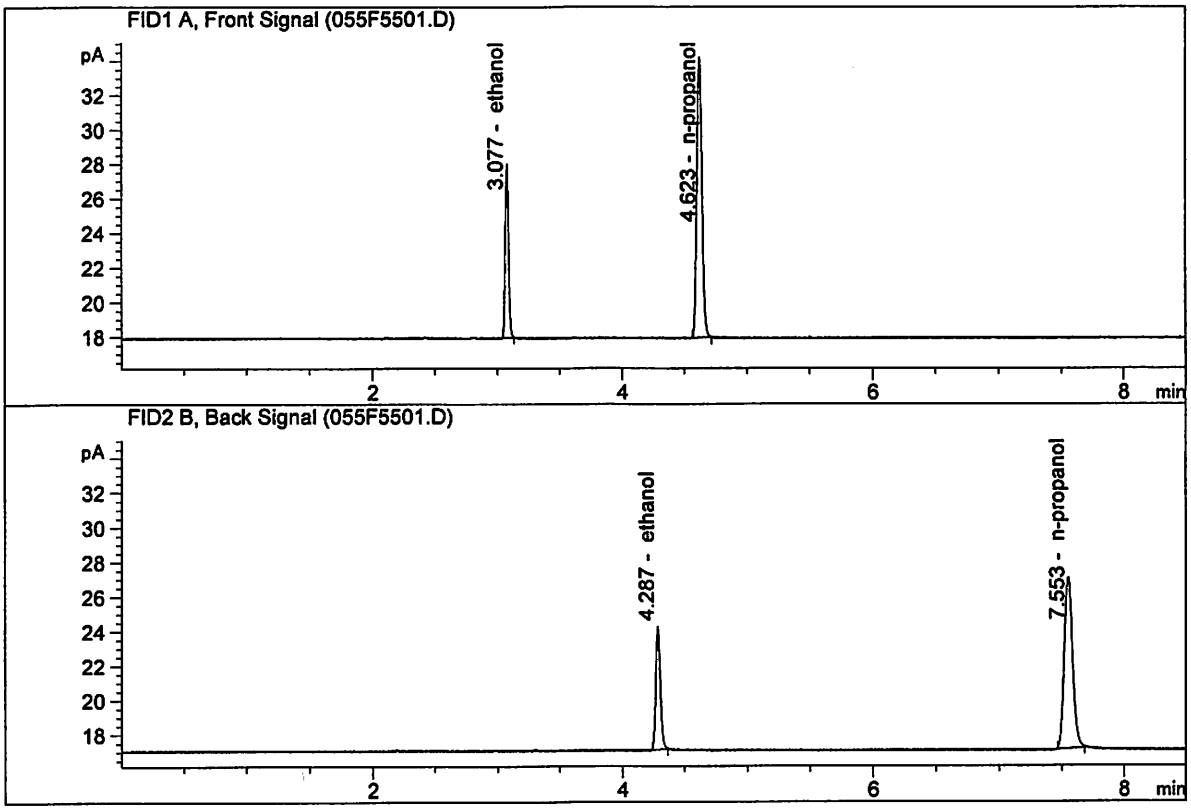
Overall Mean (g/100cc)	Low	High	5% of Mean
0.206	0.195	0.217	0.011

	Reported Result	
	0.206	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Oct 17, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

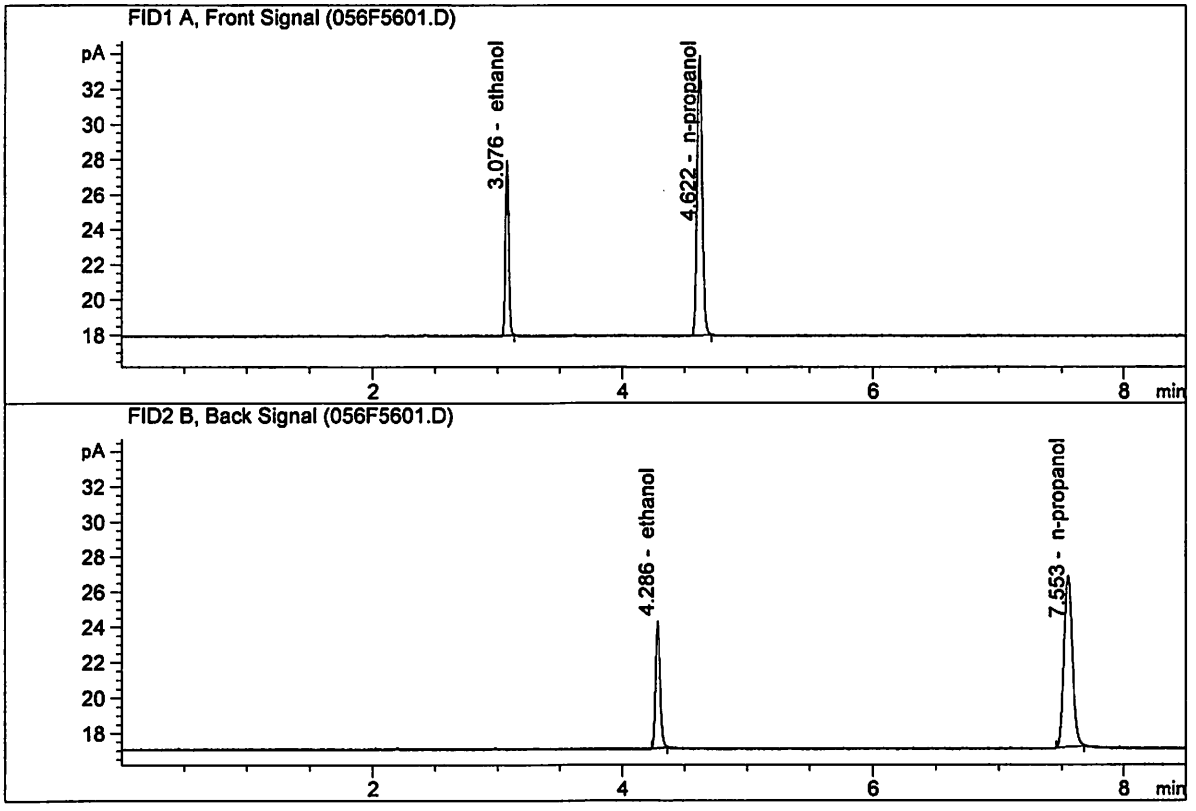


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.34985	0.2042	g/100cc
2.	Ethanol	Column 2:	19.10430	0.2041	g/100cc
3.	n-Propanol	Column 1:	46.31269	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.62729	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Oct 17, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

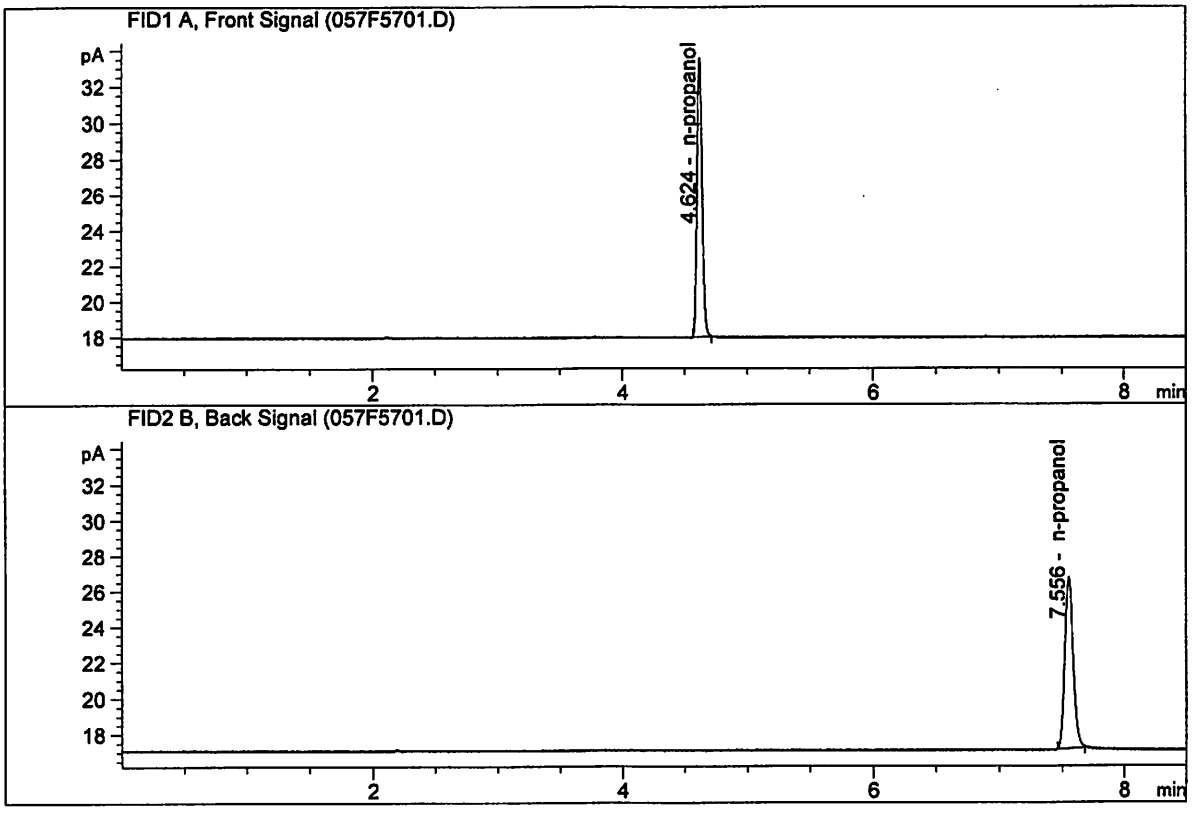


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.24063	0.2079	g/100cc
2.	Ethanol	Column 2:	19.02400	0.2082	g/100cc
3.	n-Propanol	Column 1:	45.21755	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.48068	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Oct 17, 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:	44.38101	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.66333	1.0000	g/100cc

JL

Sample Summary

Sequence table: C:\Chem32\1\Data\10-16-19_SAMPLES\10-16-19_SAMPLES 2019-10-16 15-01-20\10 16-19_SAMPLES.S
Data directory path: C:\Chem32\1\Data\10-16-19_SAMPLES\10-16-19_SAMPLES 2019-10-16 15-01-20\
Logbook: C:\Chem32\1\Data\10-16-19_SAMPLES\10-16-19_SAMPLES 2019-10-16 15-01-20\10 16-19_SAMPLES.LOG
Sequence start: 10/16/2019 3:16:08 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\10-16-19_SAMPLES\10-16-19_SAMPLES 2019-10-16 15-01-20 \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	LOT19106BOT0191-	-	1.0000	007F0701.D		4
8	8	1	LOT19106BOT0191-	-	1.0000	008F0801.D		4
9	9	1	LOT19106BOT0073-	-	1.0000	009F0901.D		4
10	10	1	LOT19106BOT0073-	-	1.0000	010F1001.D		4
11	11	1	M2019-4427-1-A	-	1.0000	011F1101.D		2
12	12	1	M2019-4427-1-B	-	1.0000	012F1201.D		2
13	13	1	M2019-4316-2-A	-	1.0000	013F1301.D		6
14	14	1	M2019-4316-2-B	-	1.0000	014F1401.D		6
15	15	1	M2019-4430-1-A	-	1.0000	015F1501.D		4
16	16	1	M2019-4430-1-B	-	1.0000	016F1601.D		4
17	17	1	M2019-4445-1-A	-	1.0000	017F1701.D		4
18	18	1	M2019-4445-1-B	-	1.0000	018F1801.D		4
19	19	1	M2019-4446-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-4446-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-4447-1-A	-	1.0000	021F2101.D		4
22	22	1	M2019-4447-1-B	-	1.0000	022F2201.D		4
23	23	1	M2019-4449-1-A	-	1.0000	023F2301.D		4
24	24	1	M2019-4449-1-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	M2019-4454-1-A	-	1.0000	027F2701.D		4
28	28	1	M2019-4454-1-B	-	1.0000	028F2801.D		4
29	29	1	M2019-4462-1-A	-	1.0000	029F2901.D		5
30	30	1	M2019-4462-1-B	-	1.0000	030F3001.D		6
31	31	1	M2019-4487-1-A	-	1.0000	031F3101.D		4
32	32	1	M2019-4487-1-B	-	1.0000	032F3201.D		4
33	33	1	M2019-4488-1-A	-	1.0000	033F3301.D		6
34	34	1	M2019-4488-1-B	-	1.0000	034F3401.D		4
35	35	1	M2019-4505-2-A	-	1.0000	035F3501.D		2
36	36	1	M2019-4505-2-B	-	1.0000	036F3601.D		2
37	37	1	M2019-4518-1-A	-	1.0000	037F3701.D		4
38	38	1	M2019-4518-1-B	-	1.0000	038F3801.D		4
39	39	1	M2019-4535-1-A	-	1.0000	039F3901.D		4
40	40	1	M2019-4535-1-B	-	1.0000	040F4001.D		4
41	41	1	M2019-4536-1-A	-	1.0000	041F4101.D		4
42	42	1	M2019-4536-1-B	-	1.0000	042F4201.D		4
43	43	1	M2019-4537-1-A	-	1.0000	043F4301.D		4

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
44	44	1	M2019-4537-1-B	-	1.0000	044F4401.D		4
45	45	1	M2019-4556-1-A	-	1.0000	045F4501.D		4
46	46	1	M2019-4556-1-B	-	1.0000	046F4601.D		4
47	47	1	QC1-2-A	-	1.0000	047F4701.D		4
48	48	1	QC1-2-B	-	1.0000	048F4801.D		4
49	49	1	M2019-4562-1-A	-	1.0000	049F4901.D		6
50	50	1	M2019-4562-1-B	-	1.0000	050F5001.D		6
51	51	1	M2019-4575-1-A	-	1.0000	051F5101.D		4
52	52	1	M2019-4575-1-B	-	1.0000	052F5201.D		4
53	53	1	M2019-4581-1-A	-	1.0000	053F5301.D		4
54	54	1	M2019-4581-1-B	-	1.0000	054F5401.D		4
55	55	1	QC2-2-A	-	1.0000	055F5501.D		4
56	56	1	QC2-2-B	-	1.0000	056F5601.D		4
57	57	1	INTERNAL STD BLK	-	1.0000	057F5701.D		2

Method file name: C:\Chem32\1\Data\10-16-19_SAMPLES\10-16-19_SAMPLES 2019-10-16 15-01-20\SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
58	58	1	EMPTY	-	1.0000	058F5801.D		0

JC