Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Dates: 02/27/18**

Calibration: 02/21/2018

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0782 g/100cc
					0.0814 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-.2222	0.2021 g/100cc
					0.2152 g/100cc
					g/100cc
Multi-Component mixture:		**Exp date: Oct 2019**	**Lot #**	FN09231404	OK
Curve Fit:			**Column 1**	1.00000 **Column2**	0.99996

Ethanol Calibration Reference Material

Calibrator level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0498	0.0519	0.0021	0.0508
0.080	June-20		0.080	0.072 - 0.088			0	#DIV/0!
0.100	~~Jun-19~~ JC	FN06181501	0.100	0.090 - 0.110	0.0998	0.0995	0.0003	0.0996
0.200	Dec-19	FN12011401	0.200	0.180 - 0.220	0.2008	0.1991	0.0017	0.1999
0.300	Jun-20	FN06051501	0.300	0.270 - 0.330	0.2996	0.2982	0.0014	0.2989
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5000	0.5014	0.0014	0.5007

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Nov-20	FN10281510	0.08000	0.076 - 0.084	0.079 g/100cc

~Any information on this document can be changed for laboratory use, except for the precision and mean determination fomulas.

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The cases/QC/QC in this batch were extracted using Hamilton Microlab 600 Series Liquid Processor/Dilutor Serial Number: ML600HC11378. The"VOLATILES DETERMINATION CASEFILE WORKSHEET" for all samples need to reflect this serial number and NOT MD96BC1382/MD94AM10010.

John Garner
Forensic Scientist

JG 3/6/18

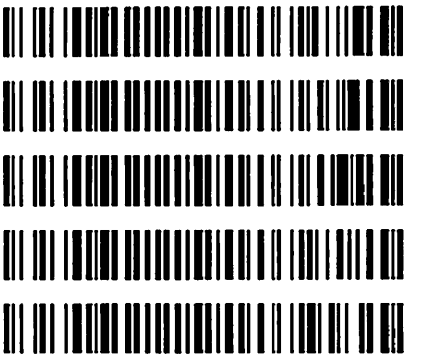
JG

Worklist: 2230

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2018-0671	1	107117	Alcohol Analysis
M2018-0672	1	107121	Alcohol Analysis
M2018-0723	1	107493	Alcohol Analysis
M2018-0724	1	107494	Alcohol Analysis
M2018-0725	1	107501	Alcohol Analysis
M2018-0742	1	107523	Alcohol Analysis
M2018-0770	1	107577	Alcohol Analysis
M2018-0771	1	107578	Alcohol Analysis
M2018-0788	1	107661	Alcohol Analysis
M2018-0789	1	107665	Alcohol Analysis
M2018-0799	1	107730	Alcohol Analysis
M2018-0799	2	107731	Alcohol Analysis
M2018-0799	3	107732	Alcohol Analysis
M2018-0800	1	107736	Alcohol Analysis
M2018-0812	1	107826	Alcohol Analysis
M2018-0813	1	107827	Alcohol Analysis
M2018-0814	1	107828	Alcohol Analysis
M2018-0832	1	107849	Alcohol Analysis
M2018-0833	1	107902	Alcohol Analysis
M2018-0834	1	107903	Alcohol Analysis
M2018-0836	1	107914	Alcohol Analysis
M2018-0865	1	108007	Alcohol Analysis
M2018-0890	1	108159	Alcohol Analysis

Worklist: 2230

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2018-0891	1	108160	Alcohol Analysis
M2018-0892	1	108161	Alcohol Analysis
M2018-0893	1	108162	Alcohol Analysis
M2018-0894	1	108173	Alcohol Analysis
M2018-0900	1	108182	Alcohol Analysis



Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, February 21, 2018 2:37:07 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

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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	4.63867	1.07790e-2	No	No	1	ethanol
		2	1.00000e-1	9.19466	1.08759e-2				
		3	2.00000e-1	18.50670	1.08069e-2				
		4	3.00000e-1	28.26147	1.06152e-2				
		5	5.00000e-1	46.44585	1.07652e-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	4.71463	1.06053e-2	No	No	2	ethanol
		2	1.00000e-1	9.37979	1.06612e-2				
		3	2.00000e-1	19.11786	1.04614e-2				
		4	3.00000e-1	29.54011	1.01557e-2				
		5	5.00000e-1	48.87475	1.02302e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	47.33186	2.11274e-2	No	Yes	1	n-propanol
		2	1.00000	46.89155	2.13258e-2				
		3	1.00000	46.98951	2.12813e-2				
		4	1.00000	48.11213	2.07848e-2				
		5	1.00000	47.40512	2.10948e-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	49.19708	2.03264e-2	No	Yes	2	n-propanol
		2	1.00000	48.45631	2.06371e-2				
		3	1.00000	48.05075	2.08113e-2				
		4	1.00000	49.12876	2.03547e-2				
		5	1.00000	48.00067	2.08330e-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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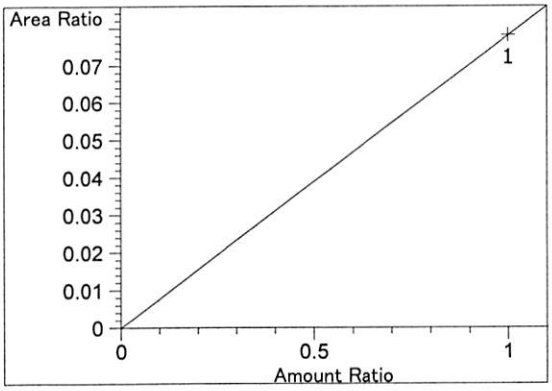

methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7.81016e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

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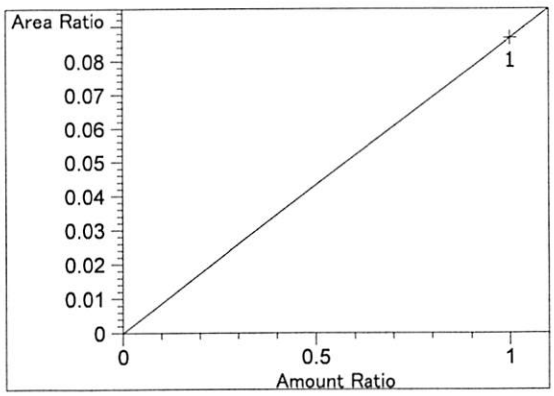
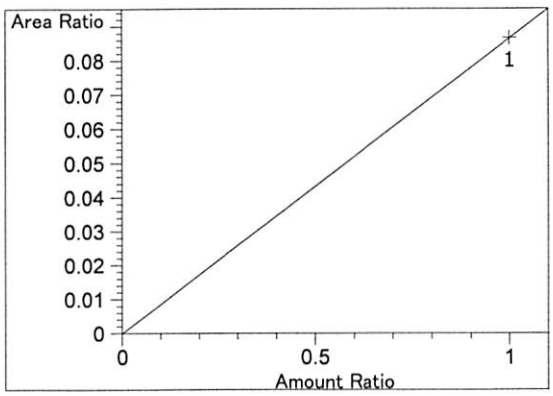
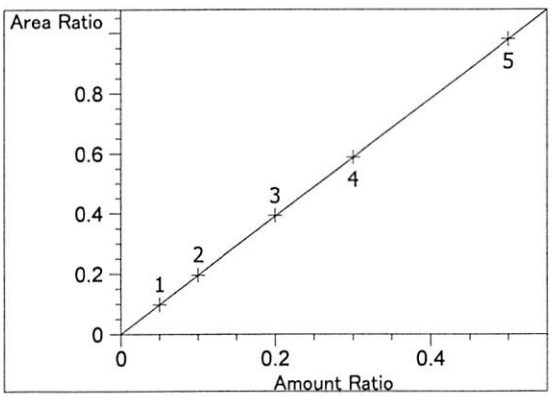


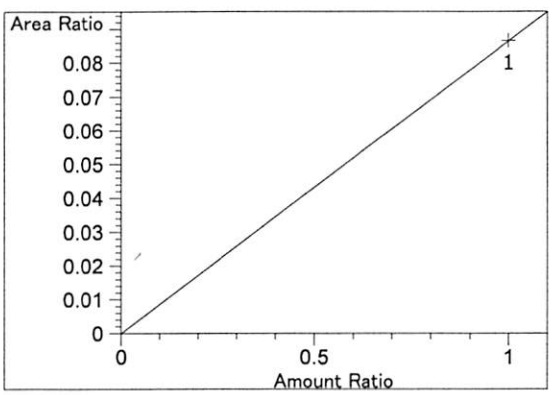
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.66108e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



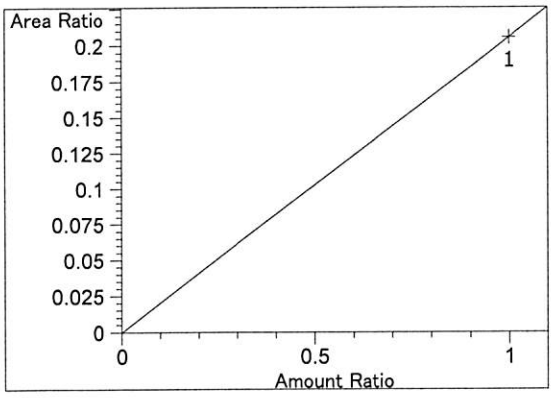
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.66108e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



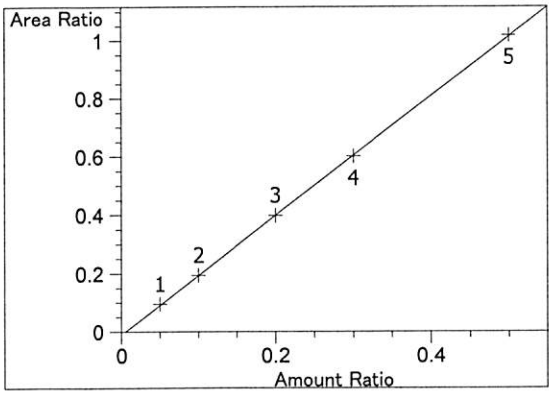
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00106
Formula: y = mx + b
m: 1.95866
b: 5.30227e-4
x: Amount Ratio
y: Area Ratio



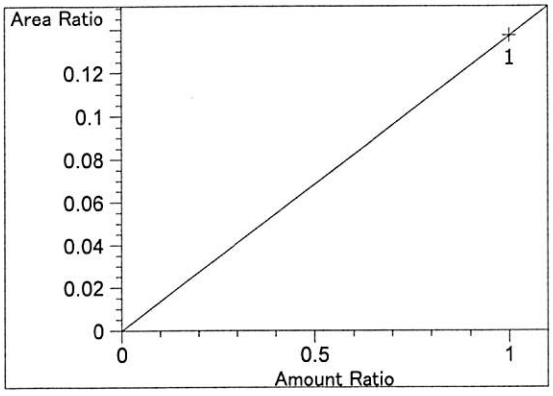
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.66032e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



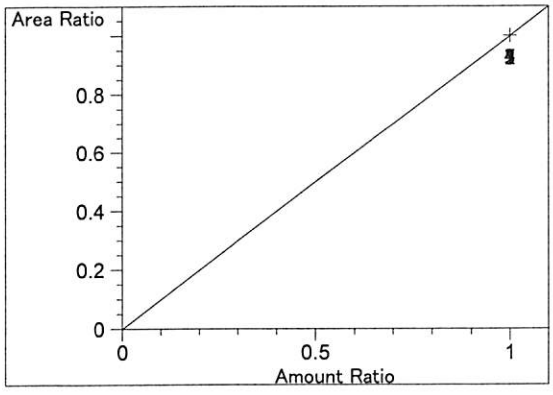
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.05581e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99996
Residual Std. Dev.: 0.00371
Formula: y = mx + b
m: 2.05200
b: -1.06080e-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: 1.37316e-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

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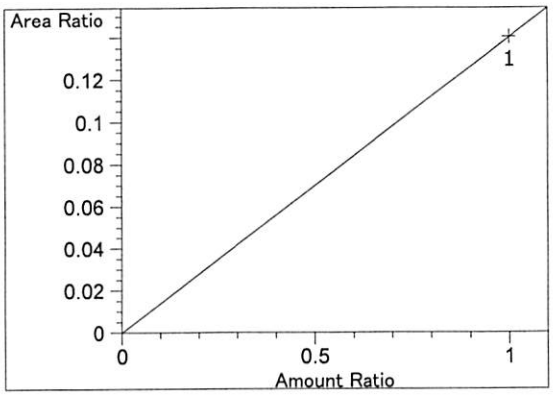
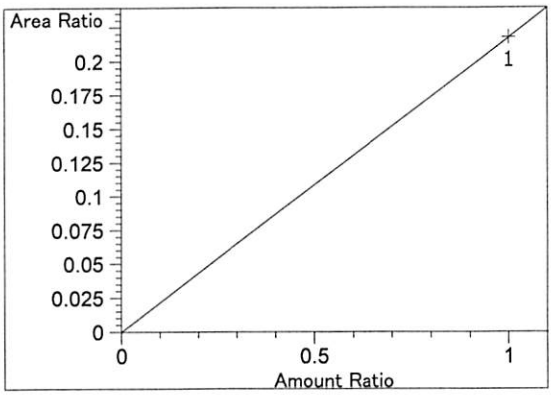
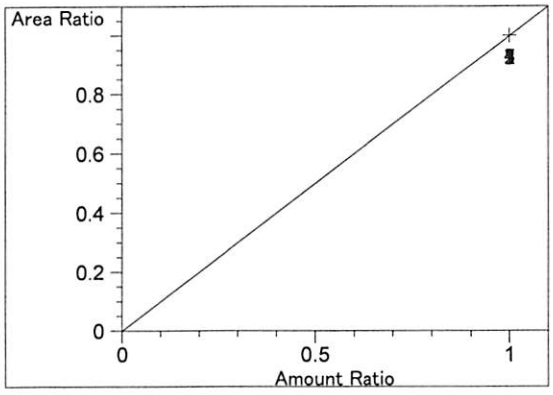
Method C:\CHEM32\1\METHODS\ALCOHOL.M



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.40110e-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: 2.17623e-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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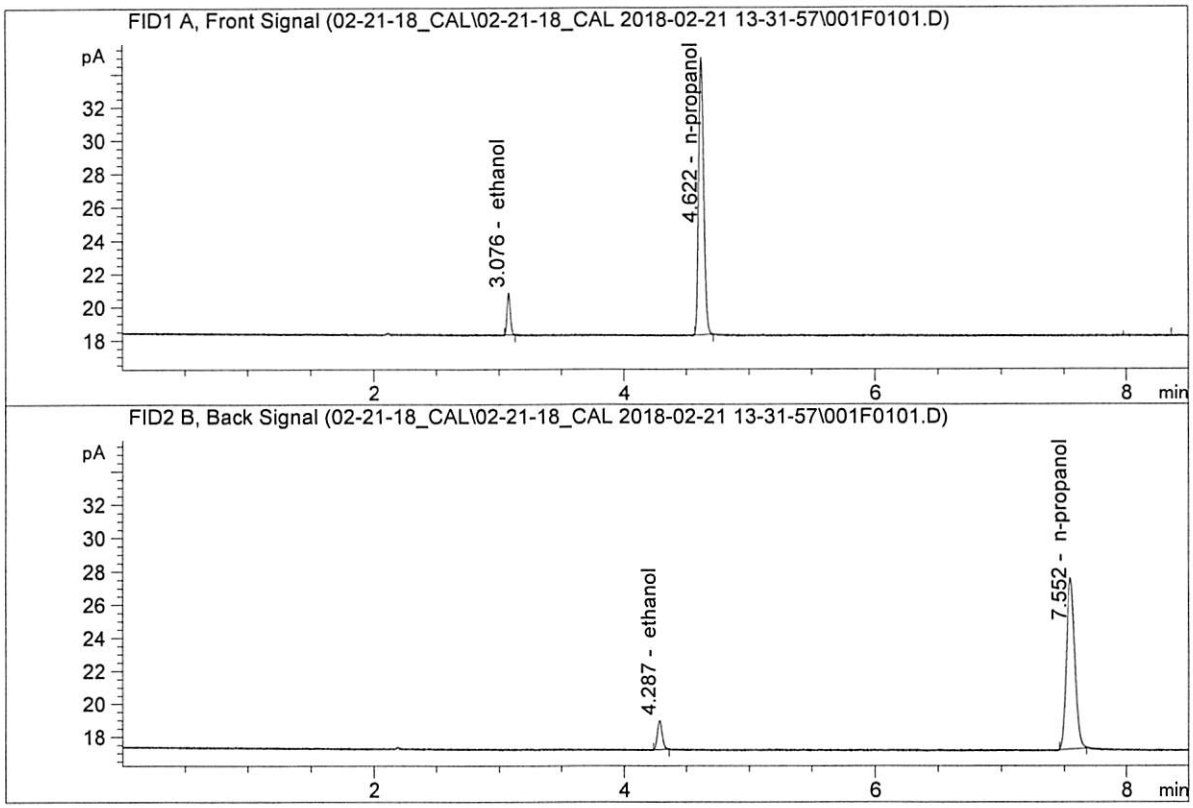
ISP Forensic Services Blood Alcohol Report

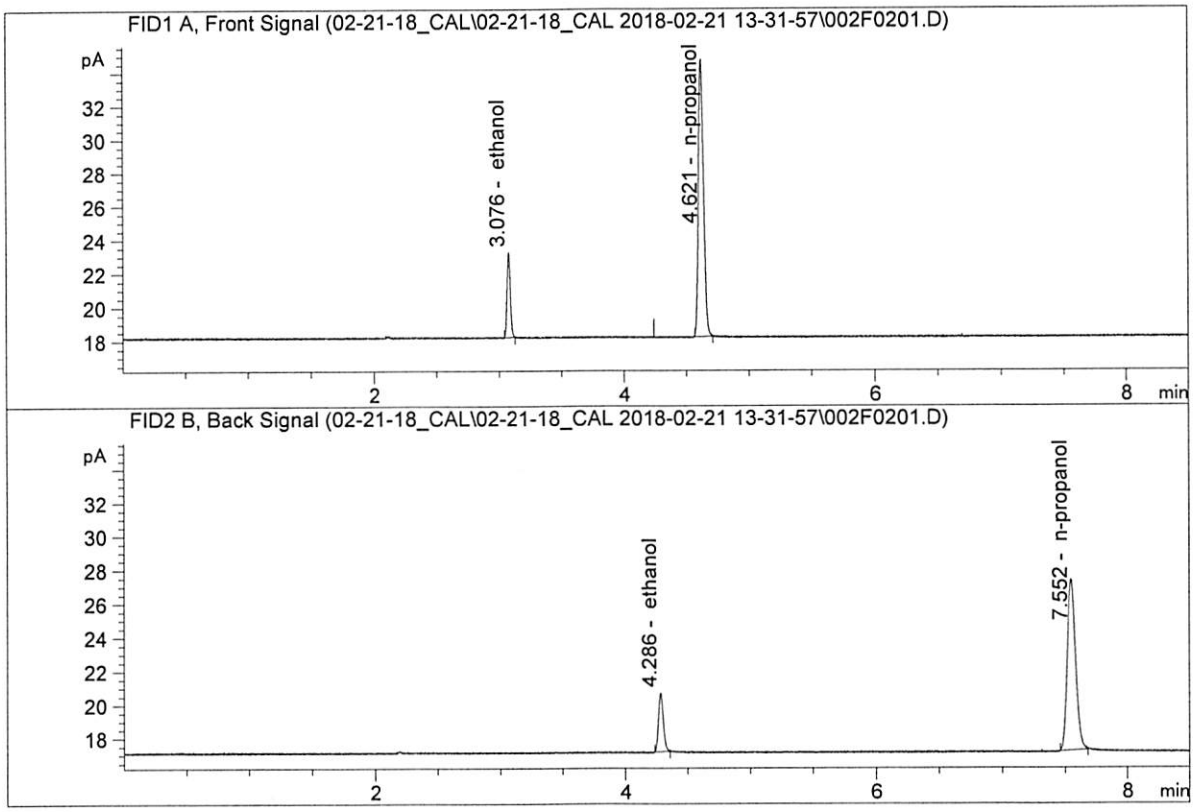
Sample Name : 0.050 FN06231406
Laboratory : Meridian
Injection Date : Feb 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.63867	0.0498	g/100cc
2.	Ethanol	Column 2:	4.71463	0.0519	g/100cc
3.	n-Propanol	Column 1:	47.33186	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.19708	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

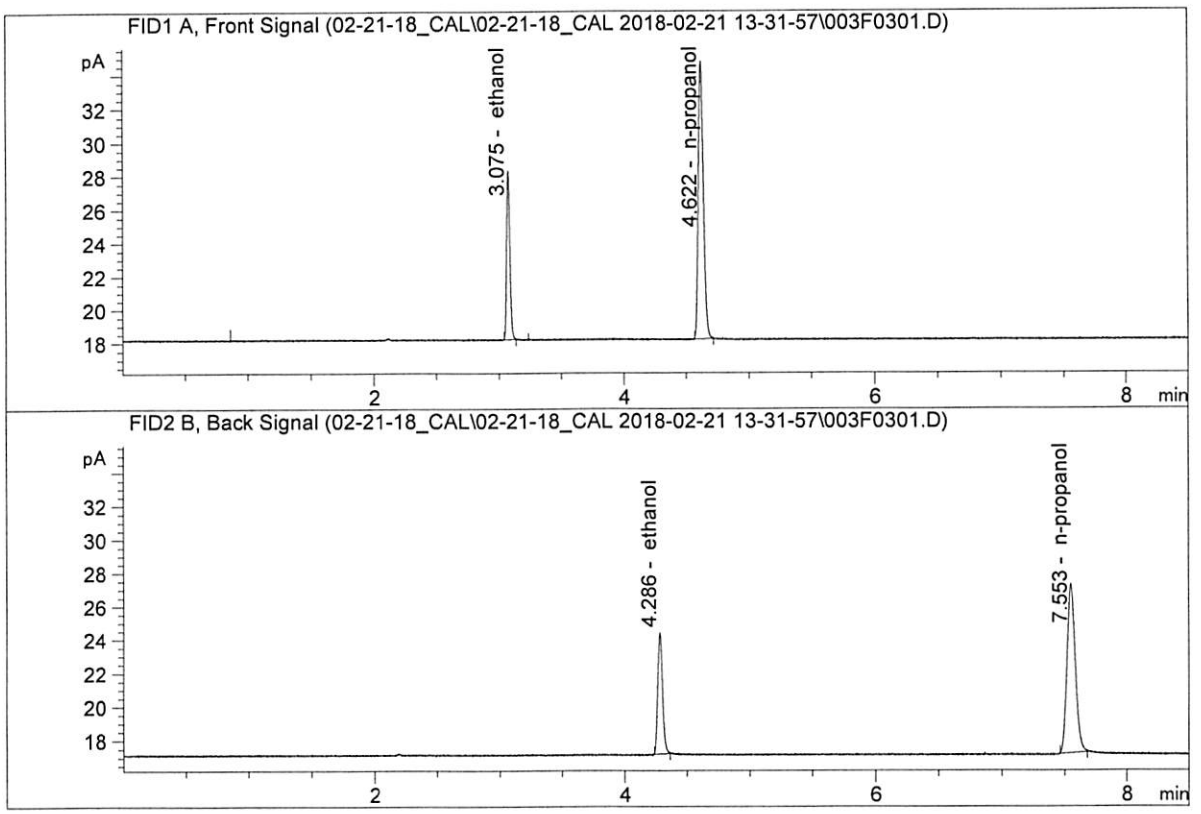
Sample Name : 0.100 FN06181501
Laboratory : Meridian
Injection Date : Feb 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.19466	0.0998	g/100cc
2.	Ethanol	Column 2:	9.37979	0.0995	g/100cc
3.	n-Propanol	Column 1:	46.89155	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.45631	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

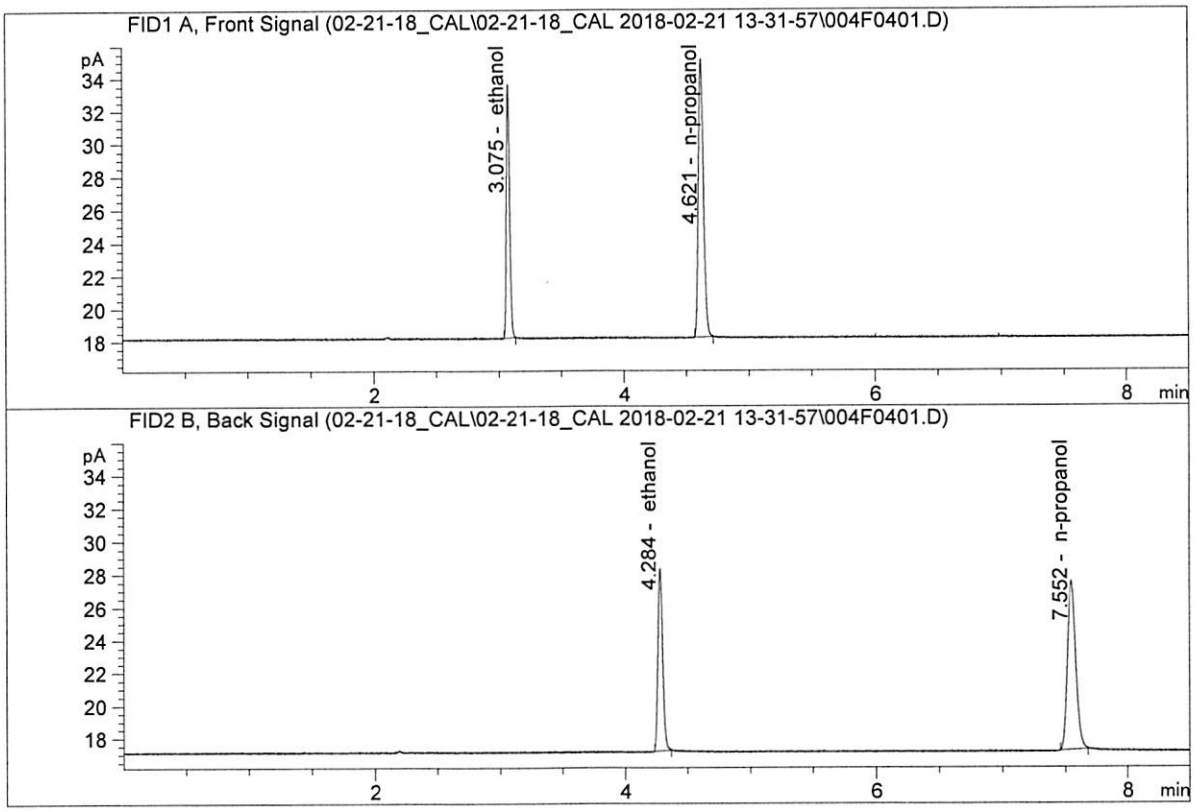
Sample Name : 0.200 FN12011401
Laboratory : Meridian
Injection Date : Feb 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.50670	0.2008	g/100cc
2.	Ethanol	Column 2:	19.11786	0.1991	g/100cc
3.	n-Propanol	Column 1:	46.98951	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.05075	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN06051501
Laboratory : Meridian
Injection Date : Feb 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	28.26147	0.2996	g/100cc
2.	Ethanol	Column 2:	29.54011	0.2982	g/100cc
3.	n-Propanol	Column 1:	48.11213	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.12876	1.0000	g/100cc

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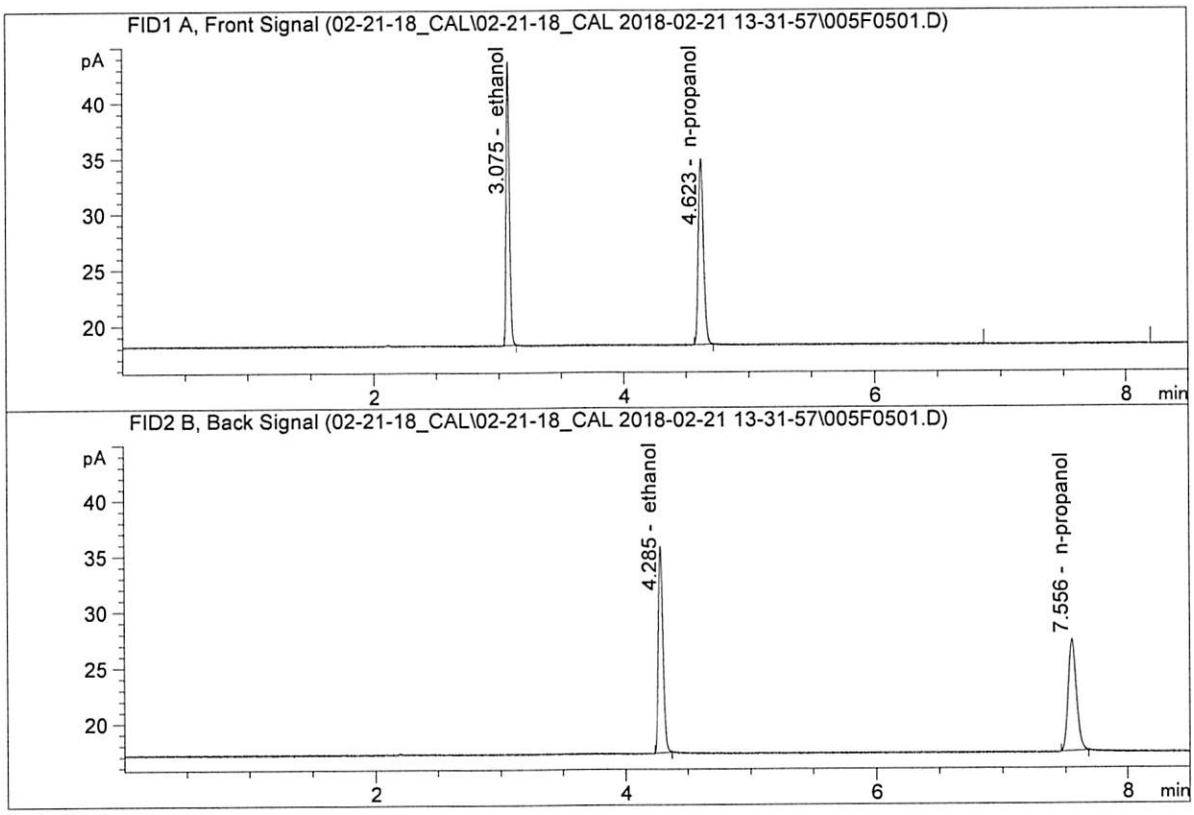
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402
Laboratory : Meridian
Injection Date : Feb 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.44585	0.5000	g/100cc
2.	Ethanol	Column 2:	48.87475	0.5014	g/100cc
3.	n-Propanol	Column 1:	47.40512	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.00067	1.0000	g/100cc

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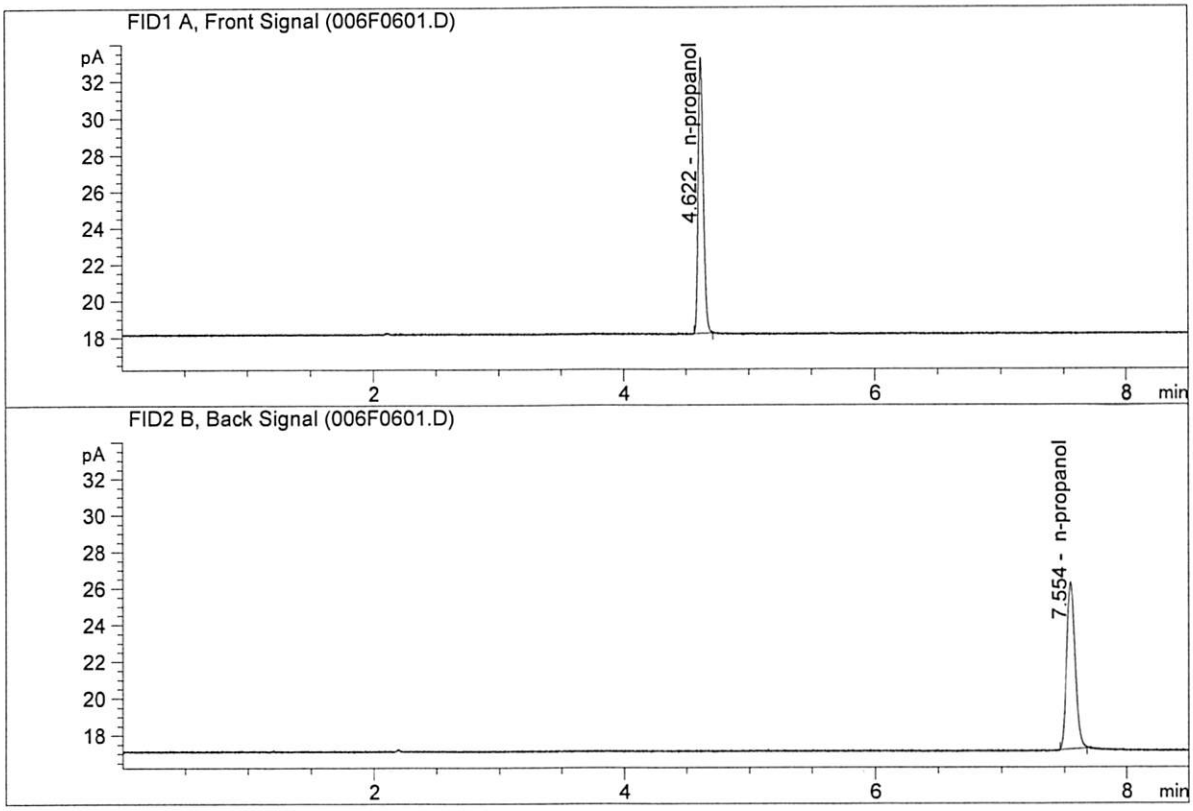
ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Feb 21, 2018
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:	42.74246	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.13745	1.0000	g/100cc

JG

Sequence File C:\Chem32\1\Data\02-21-18_CAL\02-21-18_CAL 2018-02-21 13-31-57\02-21-18_CAL.S

Sample Summary

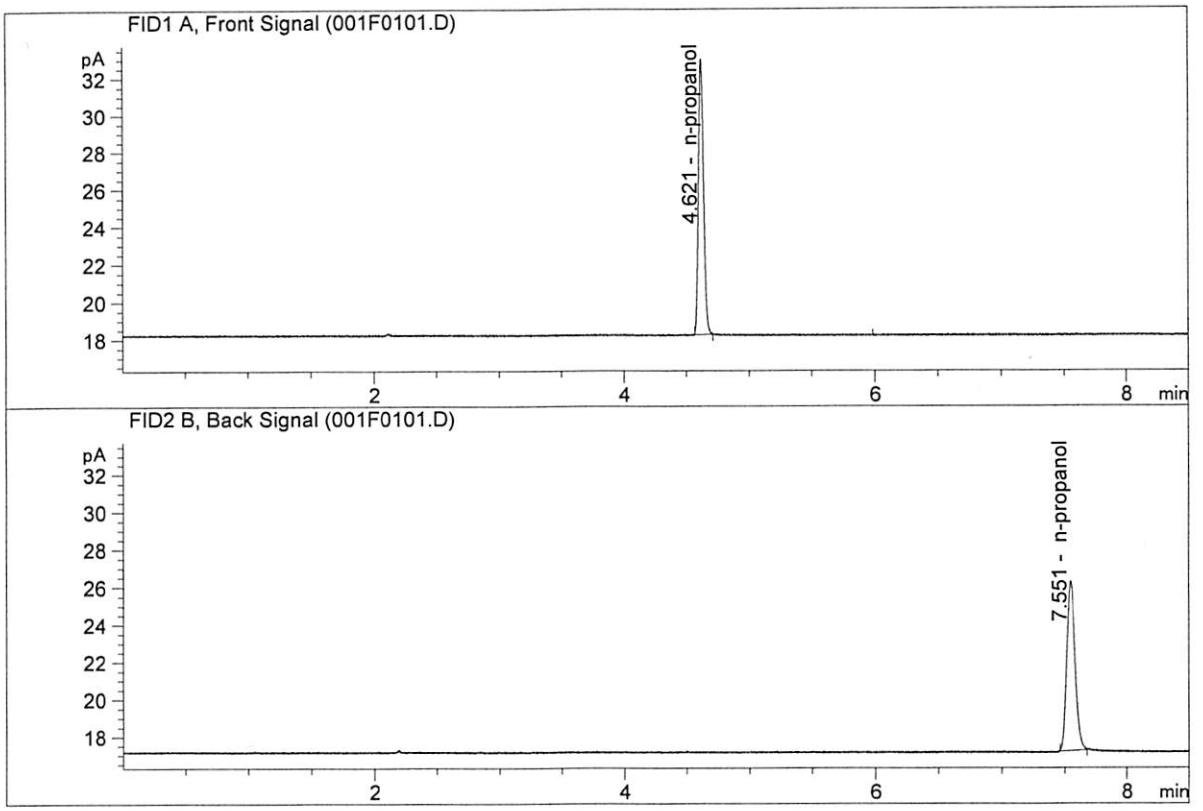
Sequence table: C:\Chem32\1\Data\02-21-18_CAL\02-21-18_CAL 2018-02-21 13-31-57\02-21-18_CAL.S
Data directory path: C:\Chem32\1\Data\02-21-18_CAL\02-21-18_CAL 2018-02-21 13-31-57\
Logbook: C:\Chem32\1\Data\02-21-18_CAL\02-21-18_CAL 2018-02-21 13-31-57\02-21-18_CAL.LOG
Sequence start: 2/21/2018 1:46:36 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\02-21-18_CAL\02-21-18_CAL 2018-02-21 13-31-57\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN06231406	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN06181501	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN12011401	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN06051501	-	1.0000	004F0401.D	*	4
5	5	1	0.500 FN07031402	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

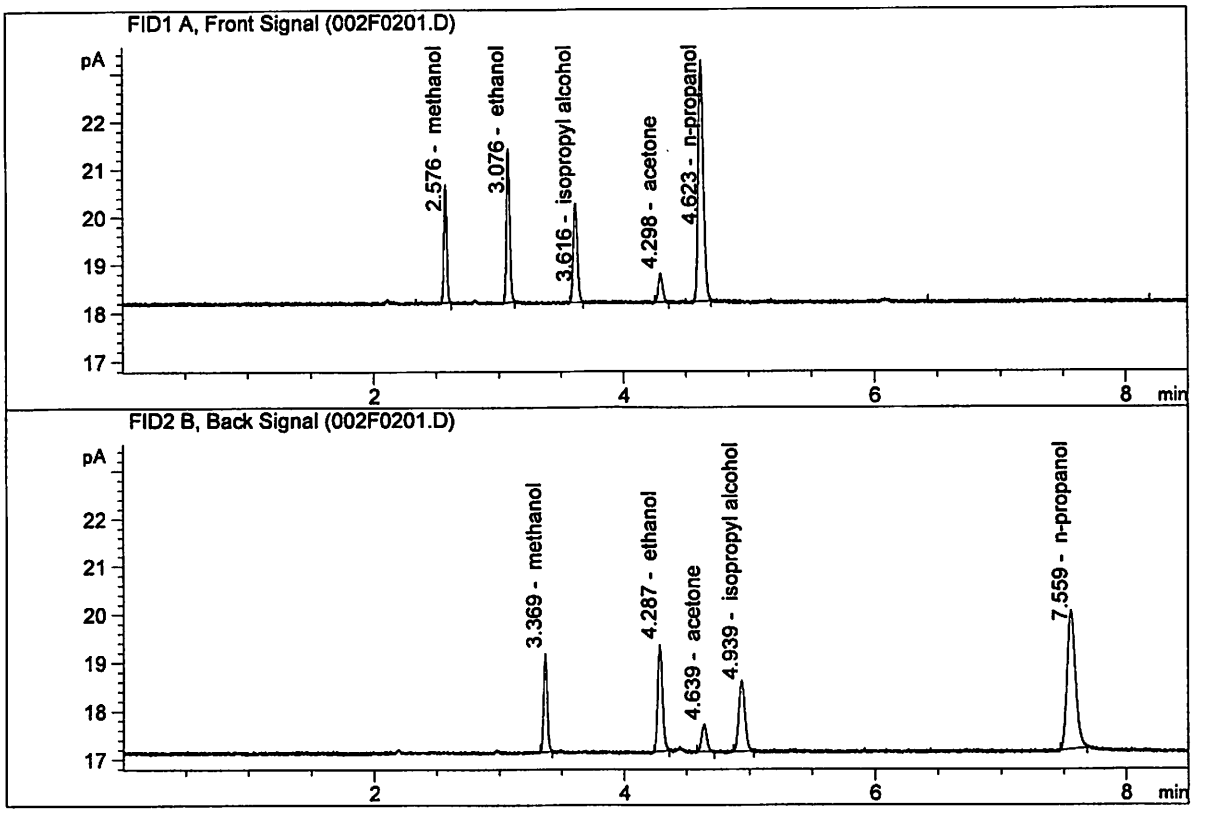
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	41.87416	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.26593	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN09231404
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	5.70902	0.2050	g/100cc
2.	Ethanol	Column 2:	5.86819	0.2115	g/100cc
3.	n-Propanol	Column 1:	14.19939	1.0000	g/100cc
4.	n-Propanol	Column 2:	13.86098	1.0000	g/100cc

JL

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 27 Feb 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0774	0.0788	0.0014	0.0781	0.0782
(g/100cc)	0.0776	0.0791	0.0015	0.0783	

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:
MD96BC1382/MD94AM10010

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

Reported Result

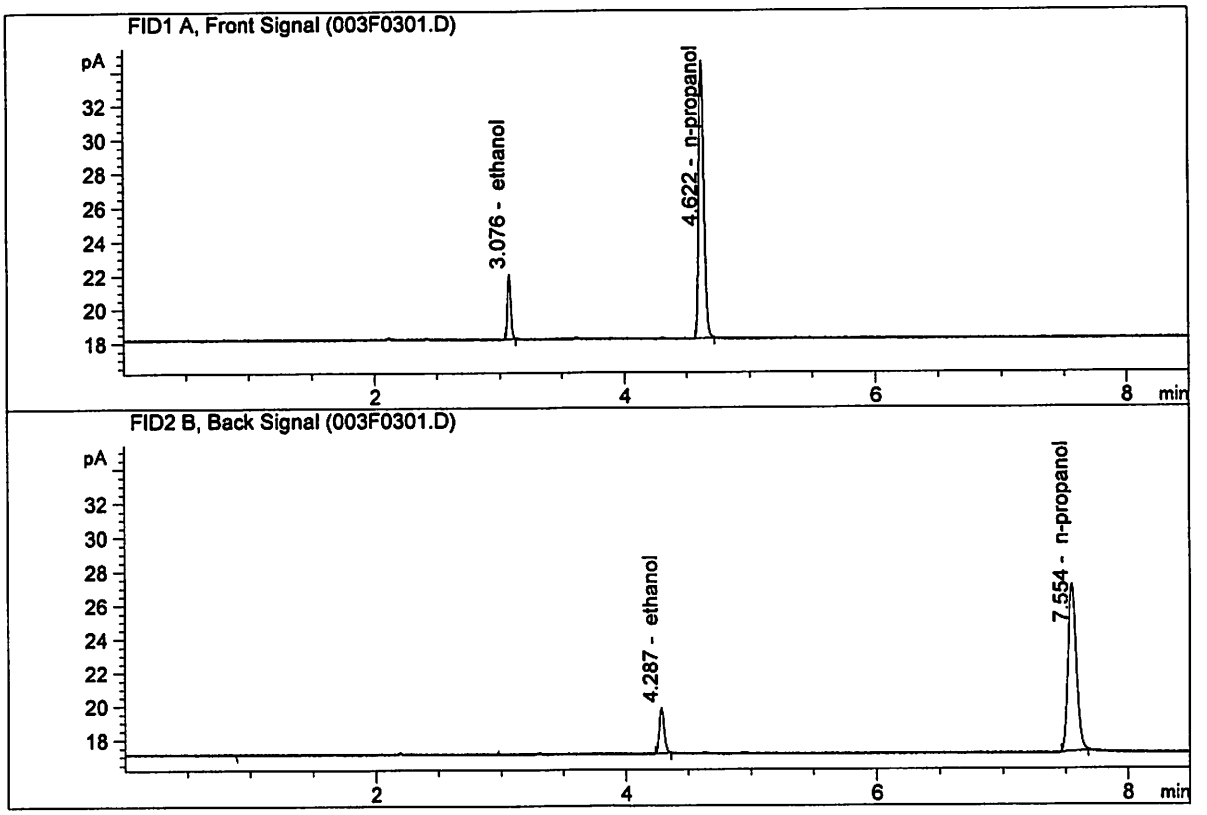
0.078

Calibration and control data are stored centrally.

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

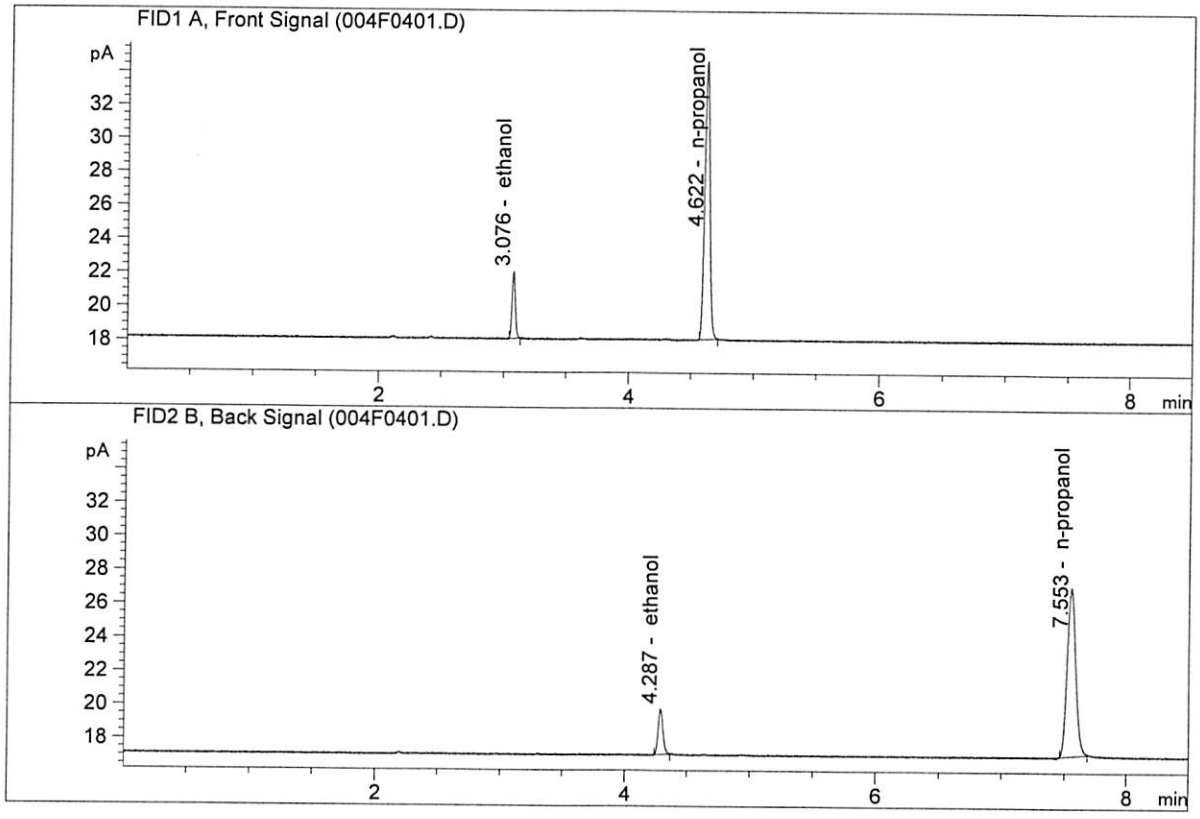


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.10206	0.0774	g/100cc
2.	Ethanol	Column 2:	7.17918	0.0788	g/100cc
3.	n-Propanol	Column 1:	46.68492	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.48626	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.20683	0.0776	g/100cc
2.	Ethanol	Column 2:	7.28220	0.0791	g/100cc
3.	n-Propanol	Column 1:	47.24150	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.98906	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510 **Analysis Date(s): 27 Feb 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0786	0.0800	0.0014	0.0793	0.0796	
(g/100cc)	0.0796	0.0805	0.0009	0.0800		

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:
MD96BC1382/MD94AM10010

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

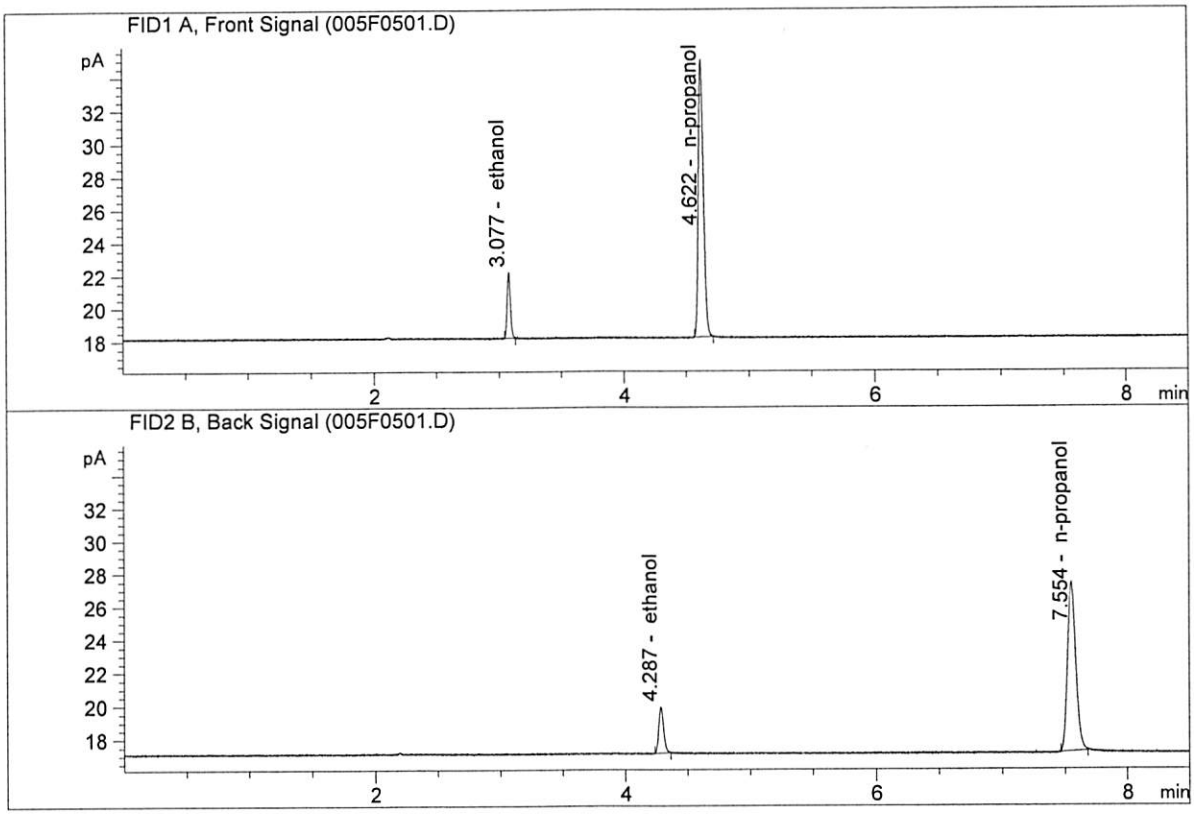
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	**0.075**	**0.083**	**0.004**

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-A
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

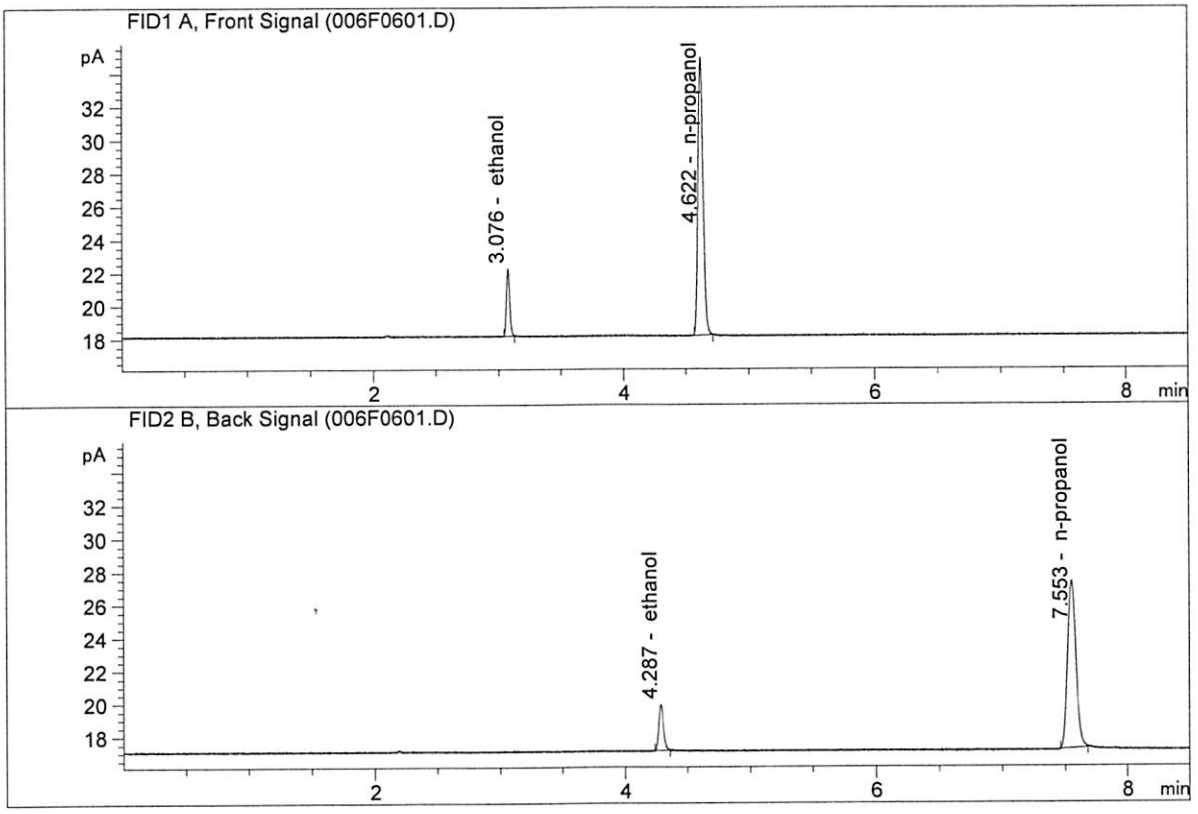


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.36230	0.0786	g/100cc
2.	Ethanol	Column 2:	7.42669	0.0800	g/100cc
3.	n-Propanol	Column 1:	47.66864	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.34181	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.47129	0.0796	g/100cc
2.	Ethanol	Column 2:	7.49095	0.0805	g/100cc
3.	n-Propanol	Column 1:	47.78800	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.44823	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 27 Feb 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2004	0.2005	0.0001	0.2004	0.2021	
(g/100cc)	0.2038	0.2039	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:
MD96BC1382/MD94AM10010

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.202	**0.191**	**0.213**	**0.011**

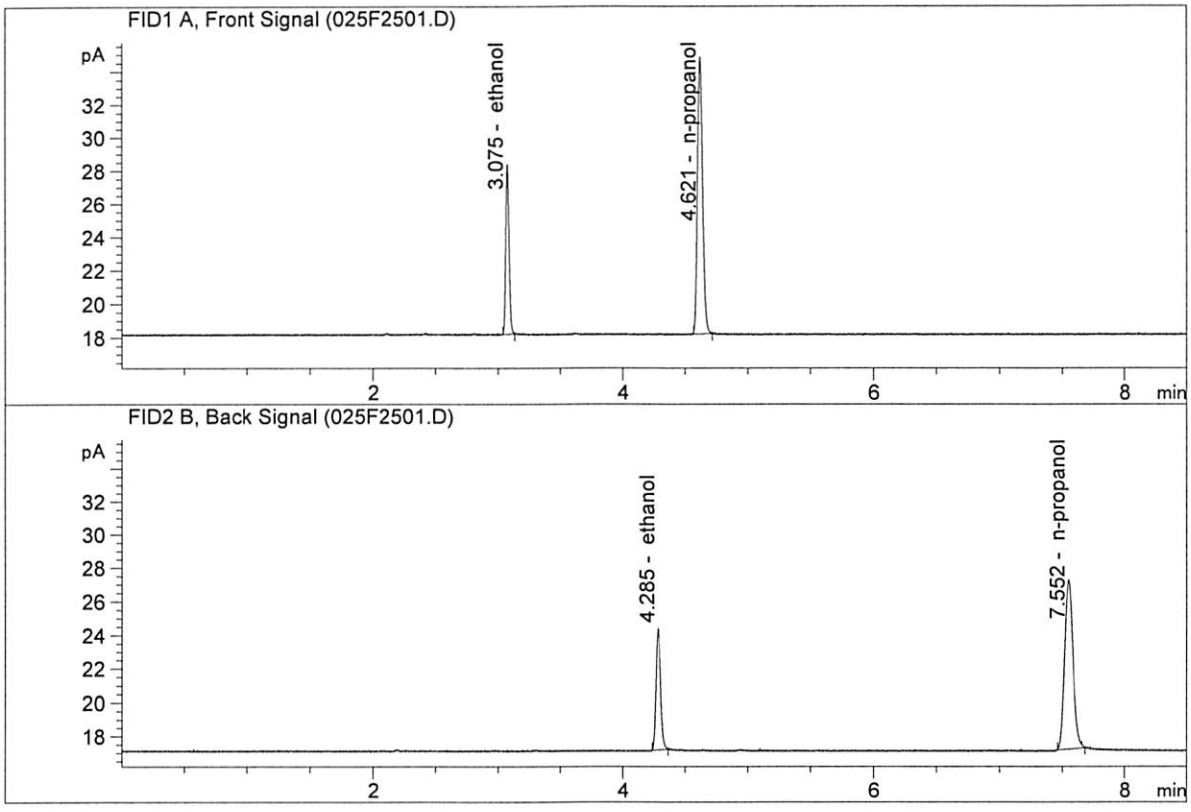
Reported Result

0.202

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

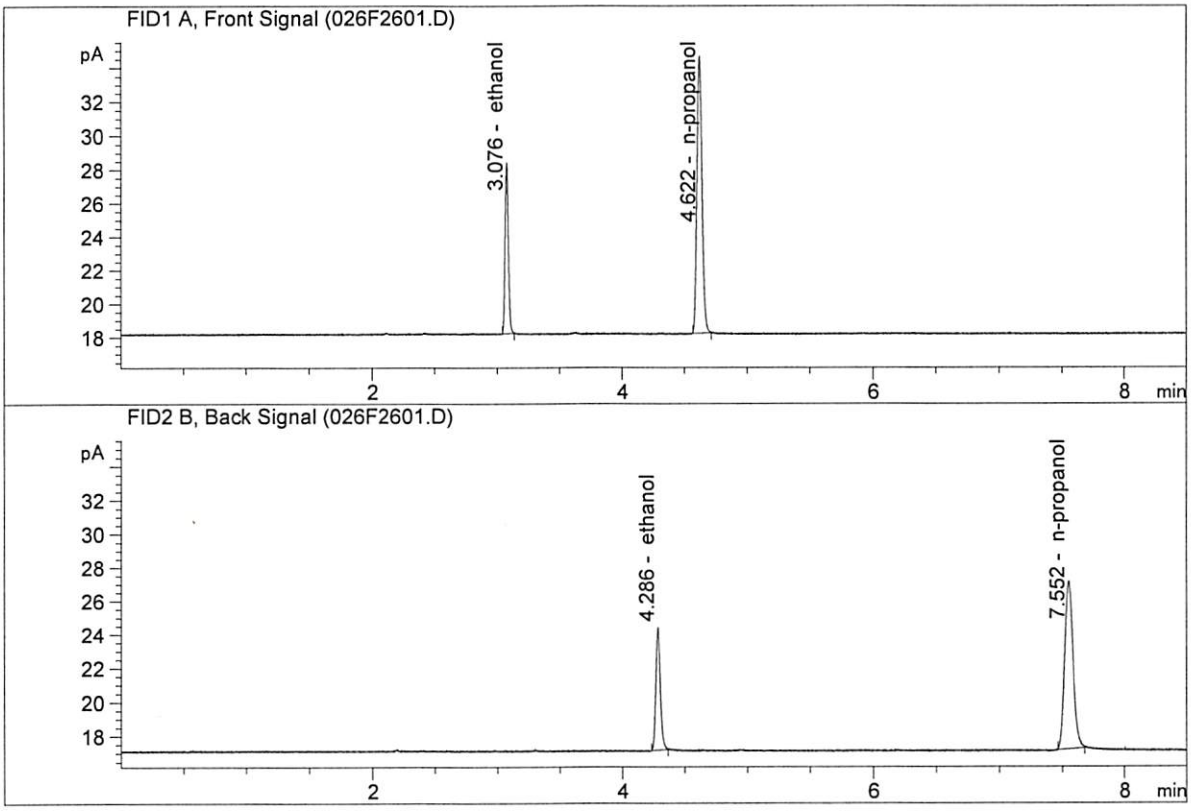


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.61149	0.2004	g/100cc
2.	Ethanol	Column 2:	19.18420	0.2005	g/100cc
3.	n-Propanol	Column 1:	47.35551	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.86609	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.68685	0.2038	g/100cc
2.	Ethanol	Column 2:	19.24125	0.2039	g/100cc
3.	n-Propanol	Column 1:	46.74329	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.18441	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 27 Feb 2018**

	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	0.0814	
(g/100cc)	0.0818	0.0834	0.0016	0.0826		

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:
MD96BC1382/MD94AM10010

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

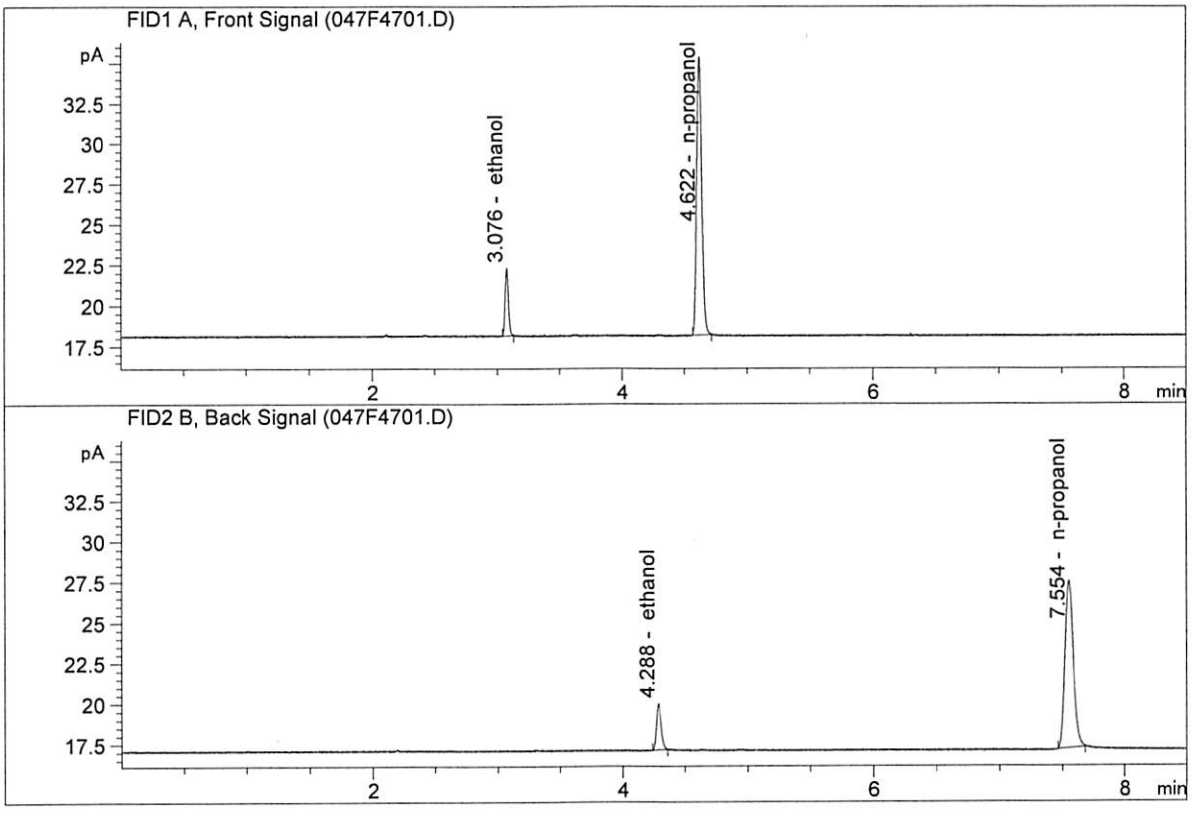
0.081

Calibration and control data are stored centrally.

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

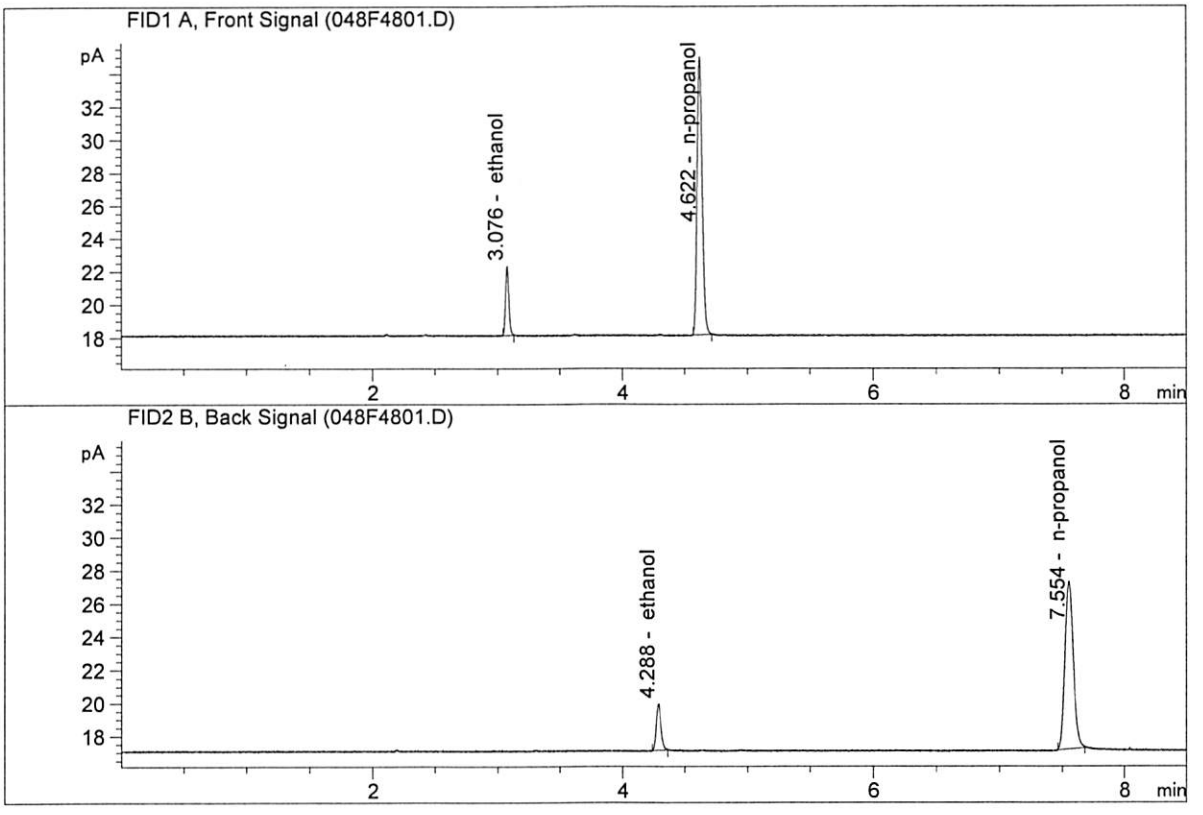


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.63765	0.0795	g/100cc
2.	Ethanol	Column 2:	7.67488	0.0811	g/100cc
3.	n-Propanol	Column 1:	48.86015	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.25367	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.69379	0.0818	g/100cc
2.	Ethanol	Column 2:	7.72725	0.0834	g/100cc
3.	n-Propanol	Column 1:	47.83997	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.15215	1.0000	g/100cc

JL

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: ~~QC1-2~~ QC2-2 **Analysis Date(s): 27 Feb 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2134	0.2140	0.0006	0.2137	0.2152	
(g/100cc)	0.2163	0.2172	0.0009	0.2167		

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:
MD96BC1382/MD94AM10010

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

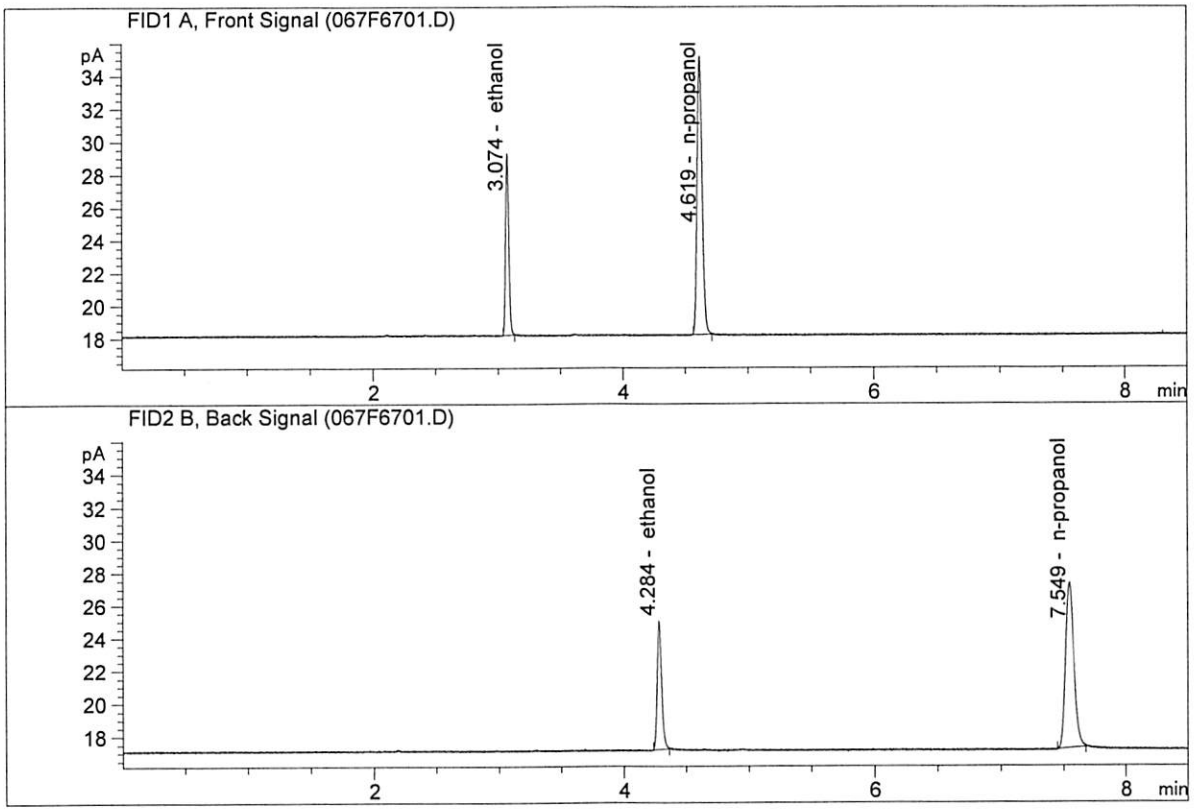
Overall Mean (g/100cc)	Low	High	5% of Mean
0.215	**0.204**	**0.226**	**0.011**

	Reported Result	
	0.215	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : ~~QC1-2-A~~ JC QC2-2A
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

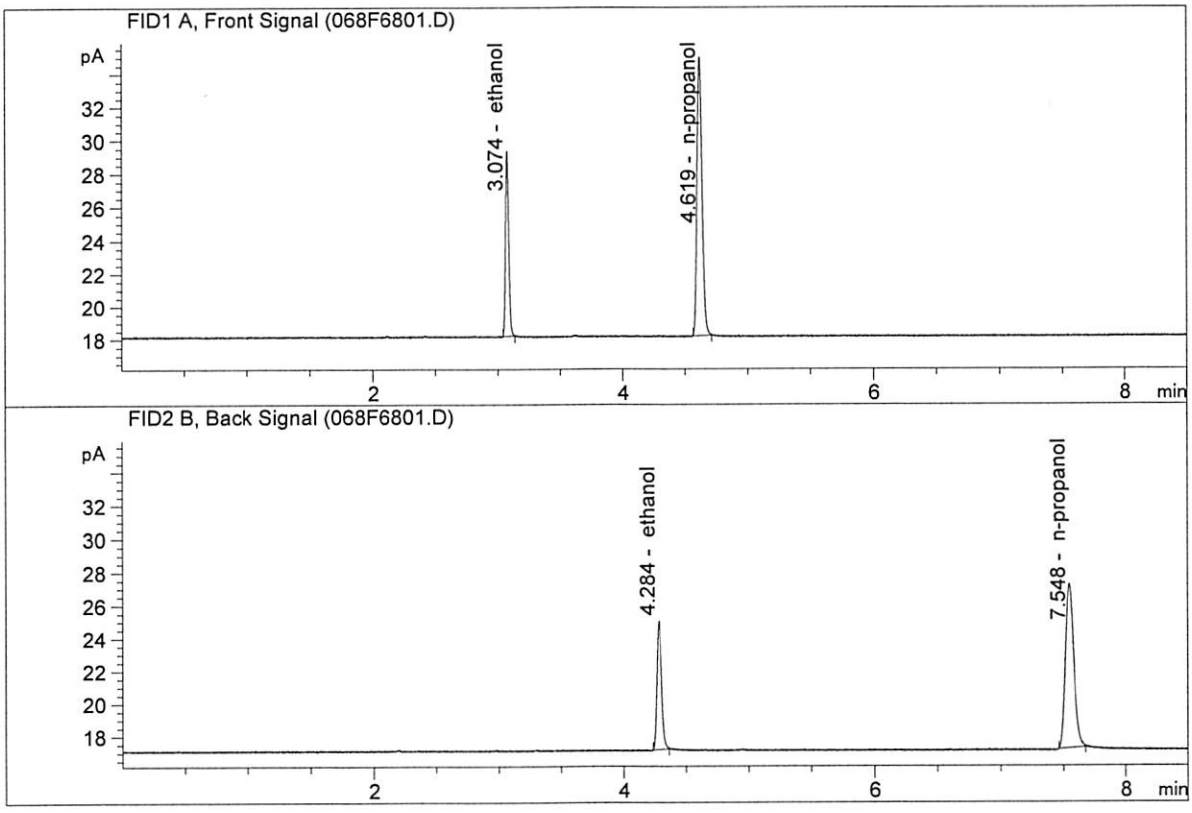


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	20.05867	0.2134	g/100cc
2.	Ethanol	Column 2:	20.66195	0.2140	g/100cc
3.	n-Propanol	Column 1:	47.93632	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.22539	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : ~~QC1-2-B~~ JG QC2-2B
Laboratory : Meridian
Injection Date : Feb 27, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

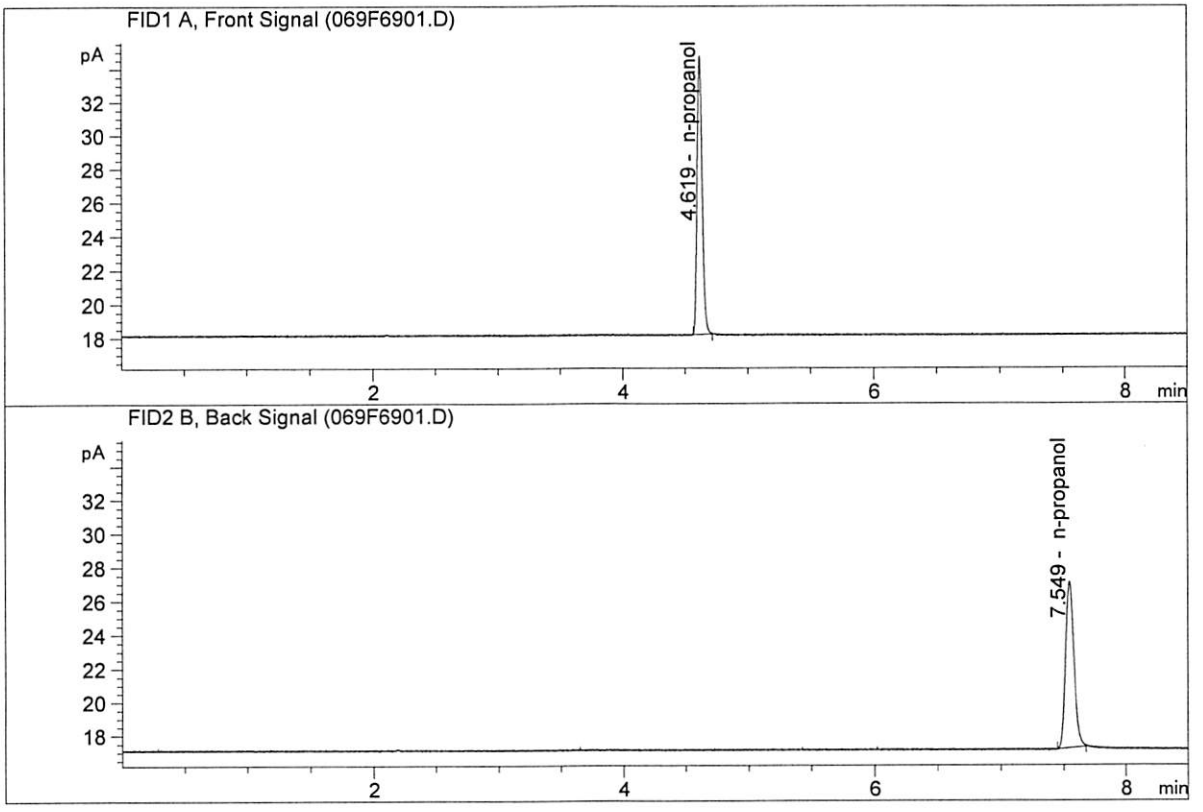


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	20.17405	0.2163	g/100cc
2.	Ethanol	Column 2:	20.74154	0.2172	g/100cc
3.	n-Propanol	Column 1:	47.57000	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.66755	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Feb 27, 2018
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:	46.78034	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.00728	1.0000	g/100cc

JC

Sample Summary

Sequence table: C:\Chem32\1\Data\02-27-18_SAMPLES\02-27-18_SAMPLES 2018-02-27 10-39-48\02-27-18_SAMPLES.S
Data directory path: C:\Chem32\1\Data\02-27-18_SAMPLES\02-27-18_SAMPLES 2018-02-27 10-39-48\
Logbook: C:\Chem32\1\Data\02-27-18_SAMPLES\02-27-18_SAMPLES 2018-02-27 10-39-48\02-27-18_SAMPLES.LOG
Sequence start: 2/27/2018 10:54:37 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\02-27-18_SAMPLES\02-27-18_SAMPLES 2018-02-27 10-39-48\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 FN092314	-	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 FN10281510-	-	1.0000	005F0501.D	4
6	6	1	0.08 FN10281510-	-	1.0000	006F0601.D	4
7	7	1	M2018-0671-1-A	-	1.0000	007F0701.D	6
8	8	1	M2018-0671-1-B	-	1.0000	008F0801.D	6
9	9	1	M2018-0672-1-A	-	1.0000	009F0901.D	6
10	10	1	M2018-0672-1-B	-	1.0000	010F1001.D	6
11	11	1	M2018-0723-1-A	-	1.0000	011F1101.D	4
12	12	1	M2018-0723-1-B	-	1.0000	012F1201.D	4
13	13	1	M2018-0724-1-A	-	1.0000	013F1301.D	4
14	14	1	M2018-0724-1-B	-	1.0000	014F1401.D	4
15	15	1	M2018-0725-1-A	-	1.0000	015F1501.D	4
16	16	1	M2018-0725-1-B	-	1.0000	016F1601.D	4
17	17	1	M2018-0742-1-A	-	1.0000	017F1701.D	4
18	18	1	M2018-0742-1-B	-	1.0000	018F1801.D	4
19	19	1	M2018-0770-1-A	-	1.0000	019F1901.D	6
20	20	1	M2018-0770-1-B	-	1.0000	020F2001.D	6
21	21	1	M2018-0771-1-A	-	1.0000	021F2101.D	4
22	22	1	M2018-0771-1-B	-	1.0000	022F2201.D	4
23	23	1	M2018-0788-1-A	-	1.0000	023F2301.D	4
24	24	1	M2018-0788-1-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	M2018-0789-1-A	-	1.0000	027F2701.D	4
28	28	1	M2018-0789-1-B	-	1.0000	028F2801.D	4
29	29	1	M2018-0799-1-A	-	1.0000	029F2901.D	2
30	30	1	M2018-0799-1-B	-	1.0000	030F3001.D	2
31	31	1	M2018-0799-2-A	-	1.0000	031F3101.D	2
32	32	1	M2018-0799-2-B	-	1.0000	032F3201.D	2
33	33	1	M2018-0799-3-A	-	1.0000	033F3301.D	2
34	34	1	M2018-0799-3-B	-	1.0000	034F3401.D	2
35	35	1	M2018-0800-1-A	-	1.0000	035F3501.D	6
36	36	1	M2018-0800-1-B	-	1.0000	036F3601.D	6
37	37	1	M2018-0812-1-A	-	1.0000	037F3701.D	4
38	38	1	M2018-0812-1-B	-	1.0000	038F3801.D	4
39	39	1	M2018-0813-1-A	-	1.0000	039F3901.D	4
40	40	1	M2018-0813-1-B	-	1.0000	040F4001.D	4
41	41	1	M2018-0814-1-A	-	1.0000	041F4101.D	4
42	42	1	M2018-0814-1-B	-	1.0000	042F4201.D	4
43	43	1	M2018-0832-1-A	-	1.0000	043F4301.D	6

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	M2018-0832-1-B	-	1.0000	044F4401.D	6
45	45	1	M2018-0833-1-A	-	1.0000	045F4501.D	4
46	46	1	M2018-0833-1-B	-	1.0000	046F4601.D	5
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	M2018-0834-1-A	-	1.0000	049F4901.D	2
50	50	1	M2018-0834-1-B	-	1.0000	050F5001.D	2
51	51	1	M2018-0836-1-A	-	1.0000	051F5101.D	2
52	52	1	M2018-0836-1-B	-	1.0000	052F5201.D	2
53	53	1	M2018-0865-1-A	-	1.0000	053F5301.D	4
54	54	1	M2018-0865-1-B	-	1.0000	054F5401.D	4
55	55	1	M2018-0890-1-A	-	1.0000	055F5501.D	4
56	56	1	M2018-0890-1-B	-	1.0000	056F5601.D	4
57	57	1	M2018-0891-1-A	-	1.0000	057F5701.D	6
58	58	1	M2018-0891-1-B	-	1.0000	058F5801.D	6
59	59	1	M2018-0892-1-A	-	1.0000	059F5901.D	6
60	60	1	M2018-0892-1-B	-	1.0000	060F6001.D	6
61	61	1	M2018-0893-1-A	-	1.0000	061F6101.D	6
62	62	1	M2018-0893-1-B	-	1.0000	062F6201.D	6
63	63	1	M2018-0894-1-A	-	1.0000	063F6301.D	6
64	64	1	M2018-0894-1-B	-	1.0000	064F6401.D	6
65	65	1	M2018-0900-1-A	-	1.0000	065F6501.D	6
66	66	1	M2018-0900-1-B	-	1.0000	066F6601.D	6
67	67	1	~~QC1-2-A~~ JG QC2-2A	-	1.0000	067F6701.D	4
68	68	1	~~QC1-2-B~~ JG QC2-2B	-	1.0000	068F6801.D	4
69	69	1	INTERNAL STD BLK	-	1.0000	069F6901.D	2

Method file name: C:\Chem32\1\Data\02-27-18_SAMPLES\02-27-18_SAMPLES 2018-02-27 10-39-48\SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
70	70	1	EMPTY	-	1.0000	070F7001.D	0

JG