

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: 03/20/18

Calibration: 03/20/2018

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0778 g/100cc
					0.0813 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-.2222	0.2029 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Exp date: Sept 2020	Lot #	FN06041503	OK
Curve Fit:	Column 1	0.99999	Column2	0.99996

Ethanol Calibration Reference Material		Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean	
Calibrator level	Expiration	Ceriliant Lot #						
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0508	0.0522	0.0014	0.0515
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Jun-20	FN06181501	0.100	0.090 - 0.110	0.0988	0.0990	0.0002	0.0989
0.200	Dec-19	FN12011401	0.200	0.180 - 0.220	0.1999	0.1981	0.0018	0.199
0.300	Jun-20	FN06051501	0.300	0.270 - 0.330	0.3007	0.3000	0.0007	0.3003
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.4998	0.5007	0.0009	0.5002

Aqueous Controls		Target Value	Acceptable Range	Overall Results		
Control level	Expiration	Ceriliant Lot #				
0.080	Nov-20	FN10281510	0.08000	0.076 - 0.084	0.081	g/100cc








Issued: 4/22/2015

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

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

Worklist: 2268

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2018-1140	1	109426	Alcohol Analysis	
M2018-1150	1	109456	Alcohol Analysis	
M2018-1163	1	109495	Alcohol Analysis	
M2018-1170	1	109514	Alcohol Analysis	
M2018-1198	1	109659	Alcohol Analysis	
M2018-1219	1	109764	Alcohol Analysis	
M2018-1223	1	109775	Alcohol Analysis	
M2018-1254	1	109865	Alcohol Analysis	
M2018-1263	1	109992	Alcohol Analysis	
M2018-1264	1	109996	Alcohol Analysis	
M2018-1265	1	109997	Alcohol Analysis	
M2018-1266	1	109998	Alcohol Analysis	
M2018-1267	1	110002	Alcohol Analysis	
M2018-1305	1	110176	Alcohol Analysis	
M2018-1323	1	110233	Alcohol Analysis	
M2018-1342	1	110274	Alcohol Analysis	
M2018-1352	1	110301	Alcohol Analysis	
M2018-1356	1	110309	Alcohol Analysis	
M2018-1370	1	110336	Alcohol Analysis	

36

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Calibration Table
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General Calibration Setting

Calib. Data Modified : Tuesday, March 20, 2018 11:39:10 AM
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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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	4.61655	1.08306e-2	No	No 1	ethanol
			1.00000e-1	9.12032	1.09645e-2			
			2.00000e-1	18.57130	1.07693e-2			
			3.00000e-1	28.03185	1.07021e-2			
			5.00000e-1	46.65860	1.07161e-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	4.69535	1.06488e-2	No	No 2	ethanol
			1.00000e-1	9.37565	1.06659e-2			
			2.00000e-1	19.27891	1.03740e-2			
			3.00000e-1	29.20255	1.02731e-2			
			5.00000e-1	48.92730	1.02192e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	49.01899	2.04003e-2	No	Yes 1	n-propanol
			1.00000	49.19104	2.03289e-2			
			1.00000	49.20688	2.03224e-2			
			1.00000	49.27275	2.02952e-2			
			1.00000	49.26019	2.03004e-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	51.14070	1.95539e-2	No	Yes 2	n-propanol
			1.00000	51.01134	1.96035e-2			
			1.00000	50.90697	1.96437e-2			
			1.00000	50.44625	1.98231e-2			
			1.00000	50.26690	1.98938e-2			

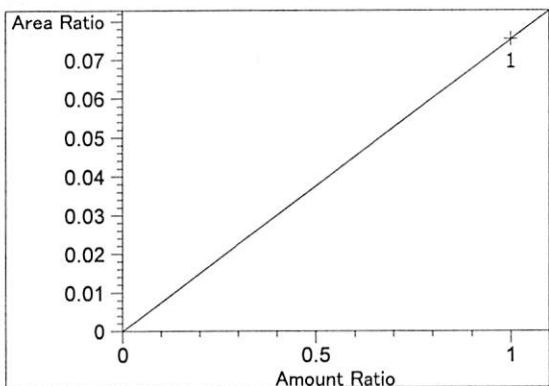
Peak Sum Table

No Entries in table

1 Warnings or Errors :

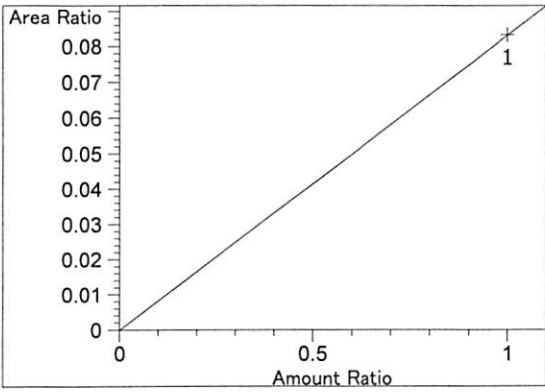
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

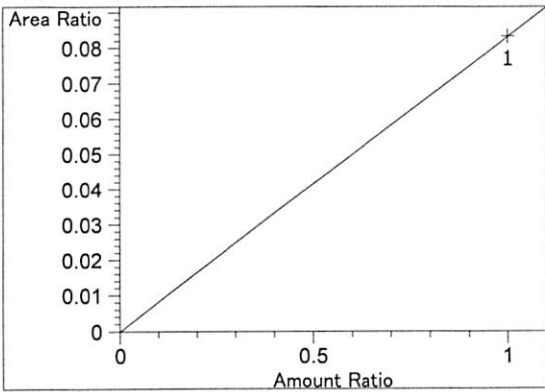


methanol at exp. RT: 2.586
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 7.54135e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

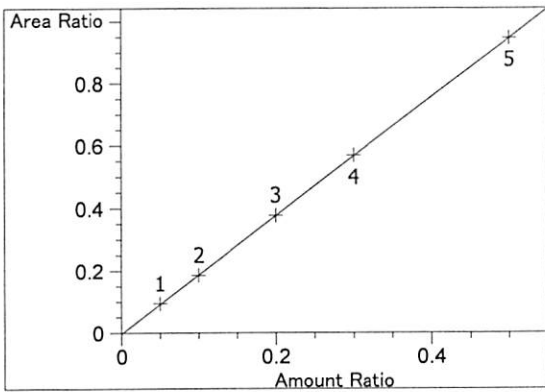
Ju



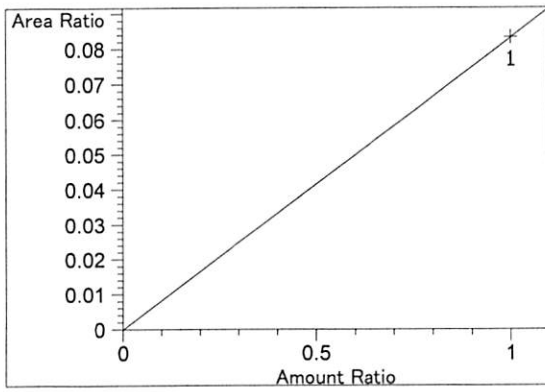
Acetaldehyde at exp. RT: 2.809
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.33192e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



Acetaldehyde at exp. RT: 2.977
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.33192e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

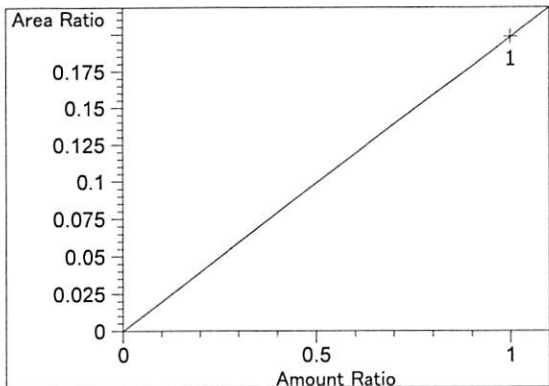


ethanol at exp. RT: 3.075
 FID1 A, Front Signal
 Correlation: 0.99999
 Residual Std. Dev.: 0.00175
 Formula: $y = mx + b$
 m: 1.89990
 b: -2.35726e-3
 x: Amount Ratio
 y: Area Ratio

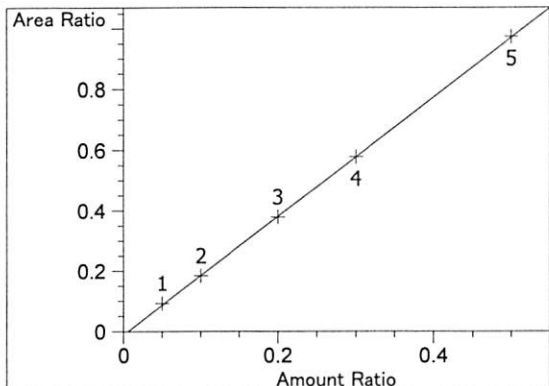


methanol at exp. RT: 3.388
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.33118e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

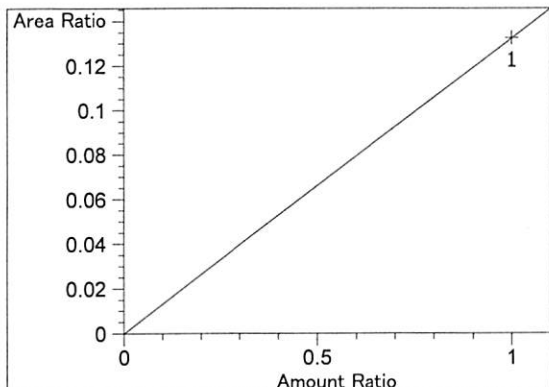
36



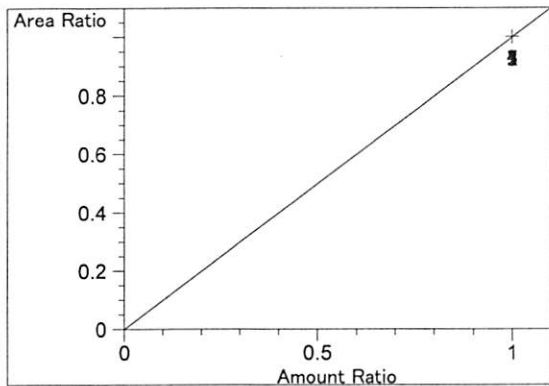
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.98506e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99996
Residual Std. Dev.: 0.00353
Formula: $y = mx + b$
m: 1.96520
b: -1.06858e-2
x: Amount Ratio
y: Area Ratio

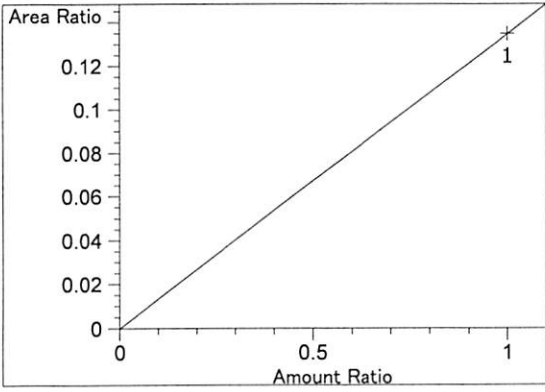


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.32589e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

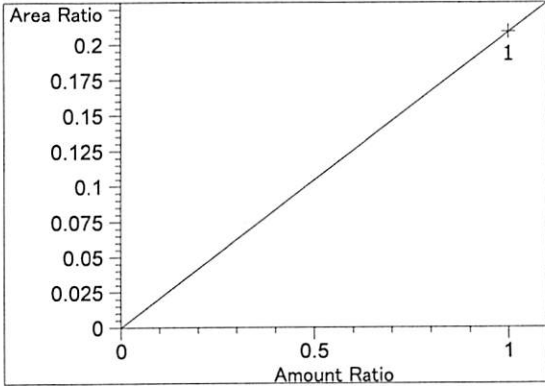


n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

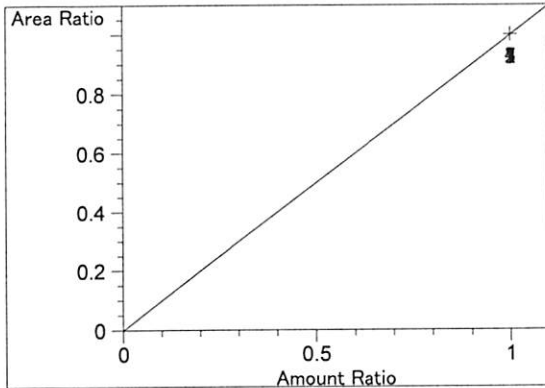
26



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.34785e-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: 2.09352e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



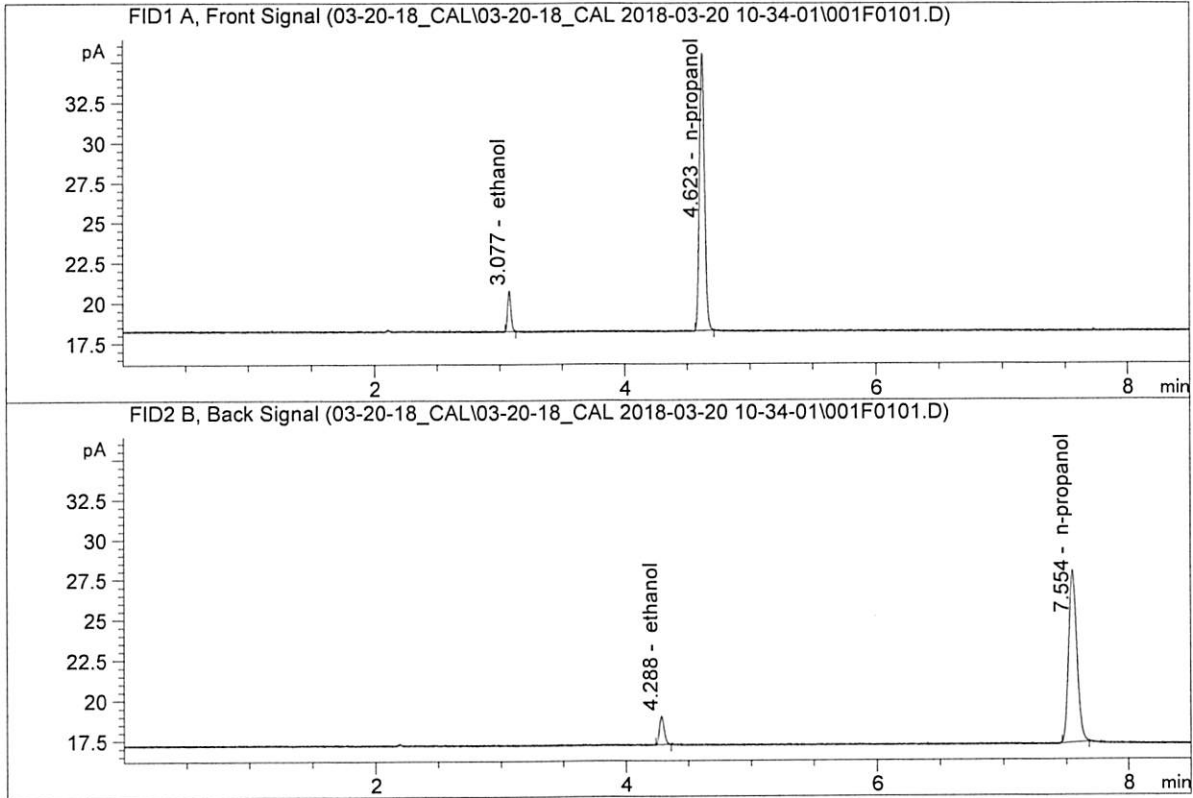
n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

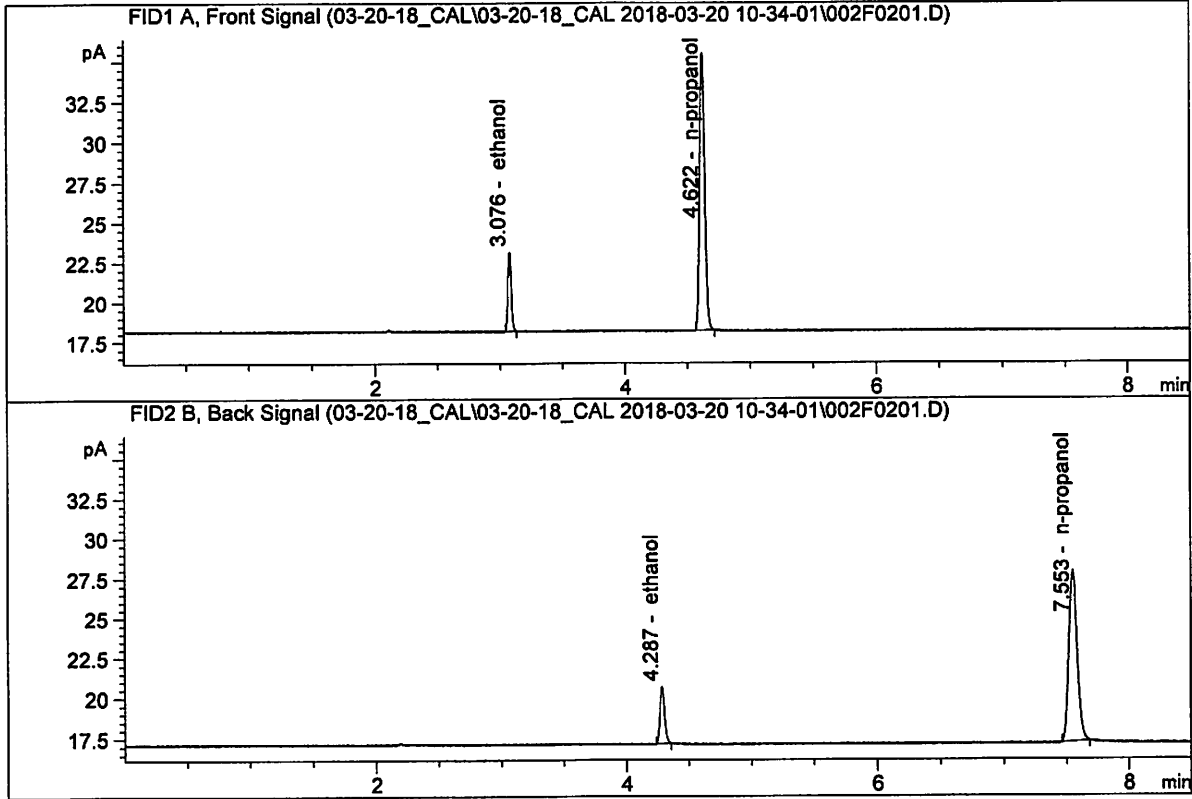


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.61655	0.0508	g/100cc
2.	Ethanol	Column 2:	4.69535	0.0522	g/100cc
3.	n-Propanol	Column 1:	49.01899	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.14070	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

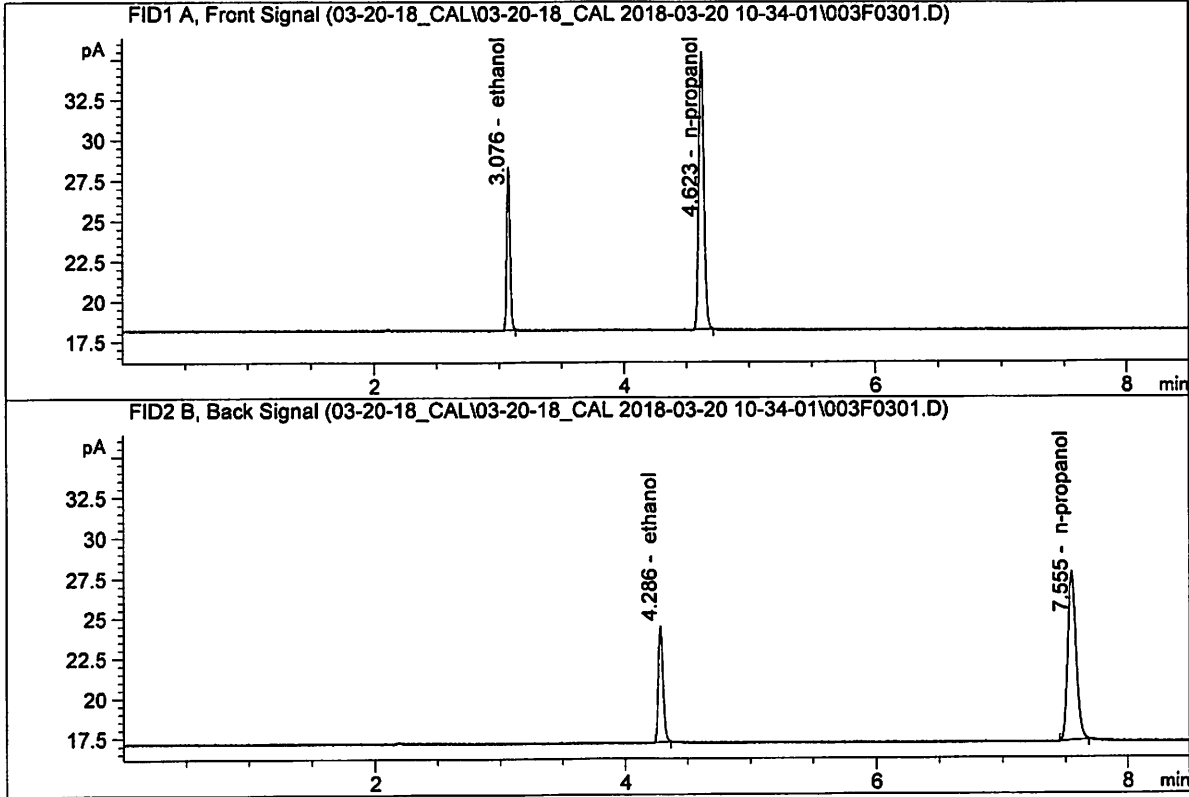
Sample Name : 0.100 FN06181501
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.12032	0.0988	g/100cc
2.	Ethanol	Column 2:	9.37565	0.0990	g/100cc
3.	n-Propanol	Column 1:	49.19104	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.01134	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN12011401
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

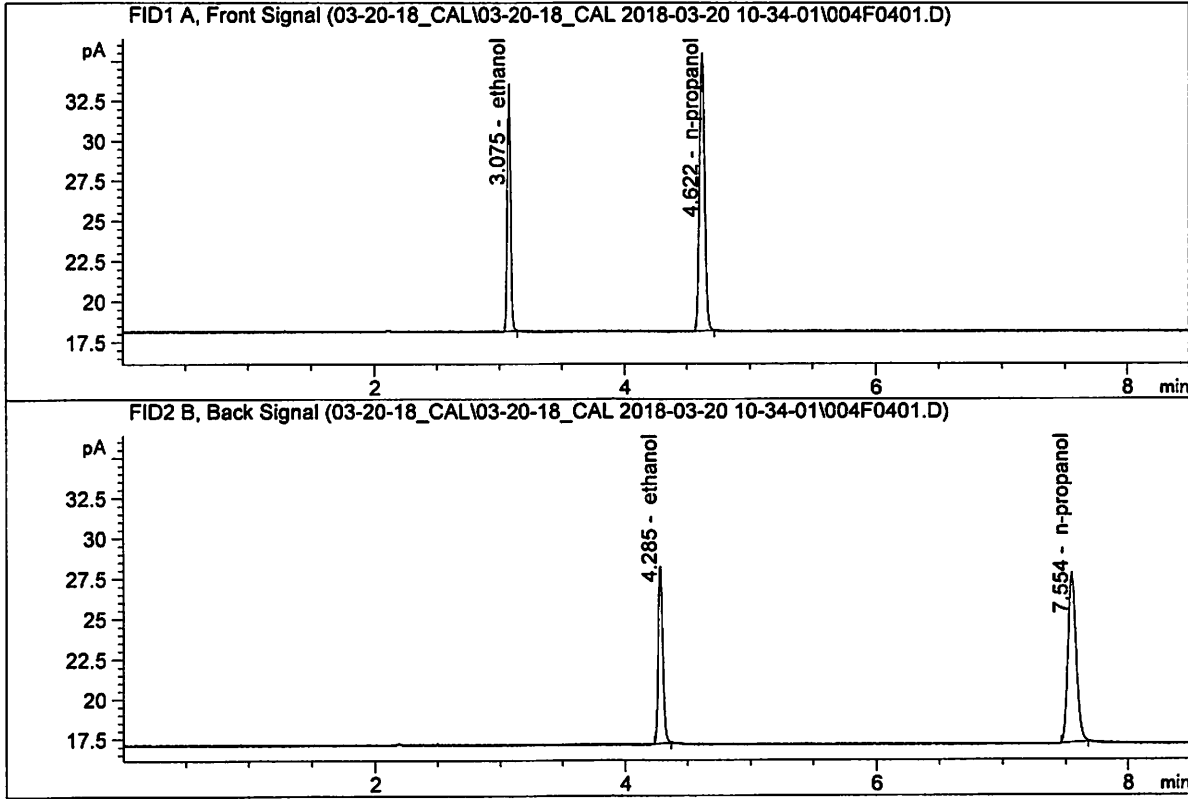


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.57130	0.1999	g/100cc
2.	Ethanol	Column 2:	19.27891	0.1981	g/100cc
3.	n-Propanol	Column 1:	49.20688	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.90697	1.0000	g/100cc

JK

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN06051501
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

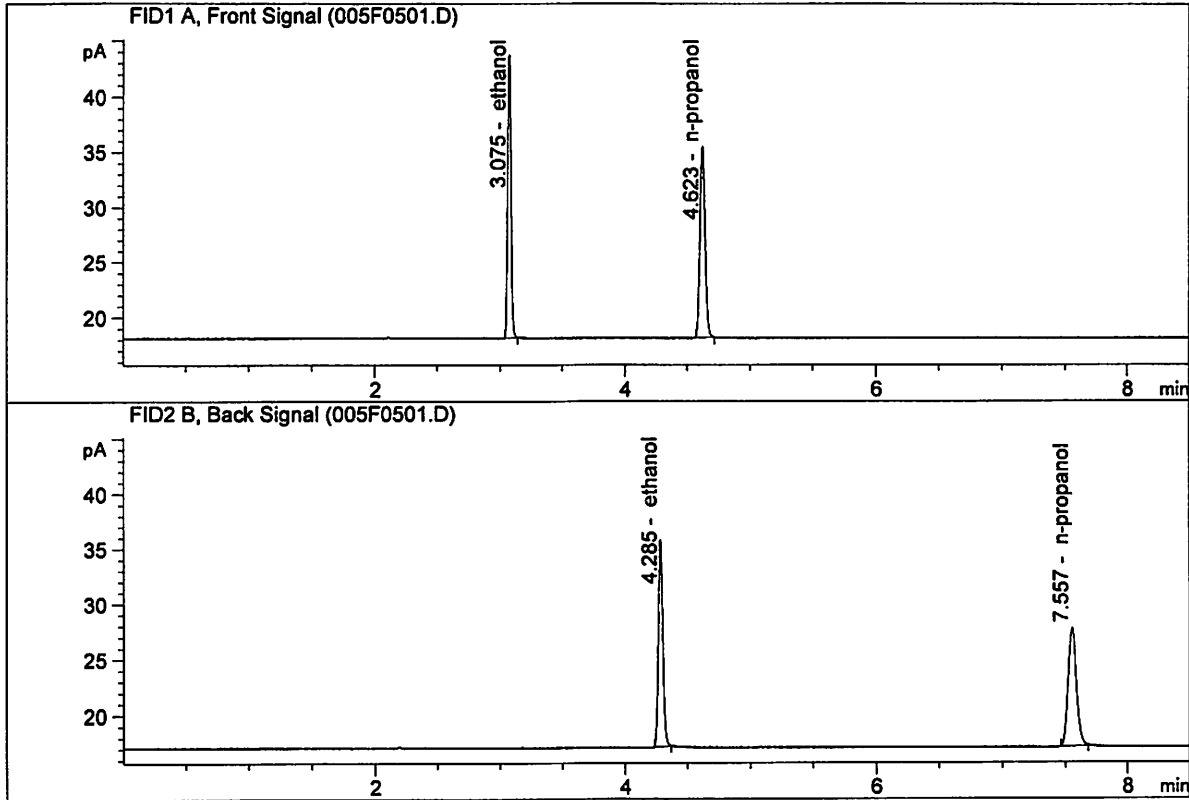


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	28.03185	0.3007	g/100cc
2.	Ethanol	Column 2:	29.20255	0.3000	g/100cc
3.	n-Propanol	Column 1:	49.27275	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.44625	1.0000	g/100cc

JK

ISP Forensic Services Blood Alcohol Report

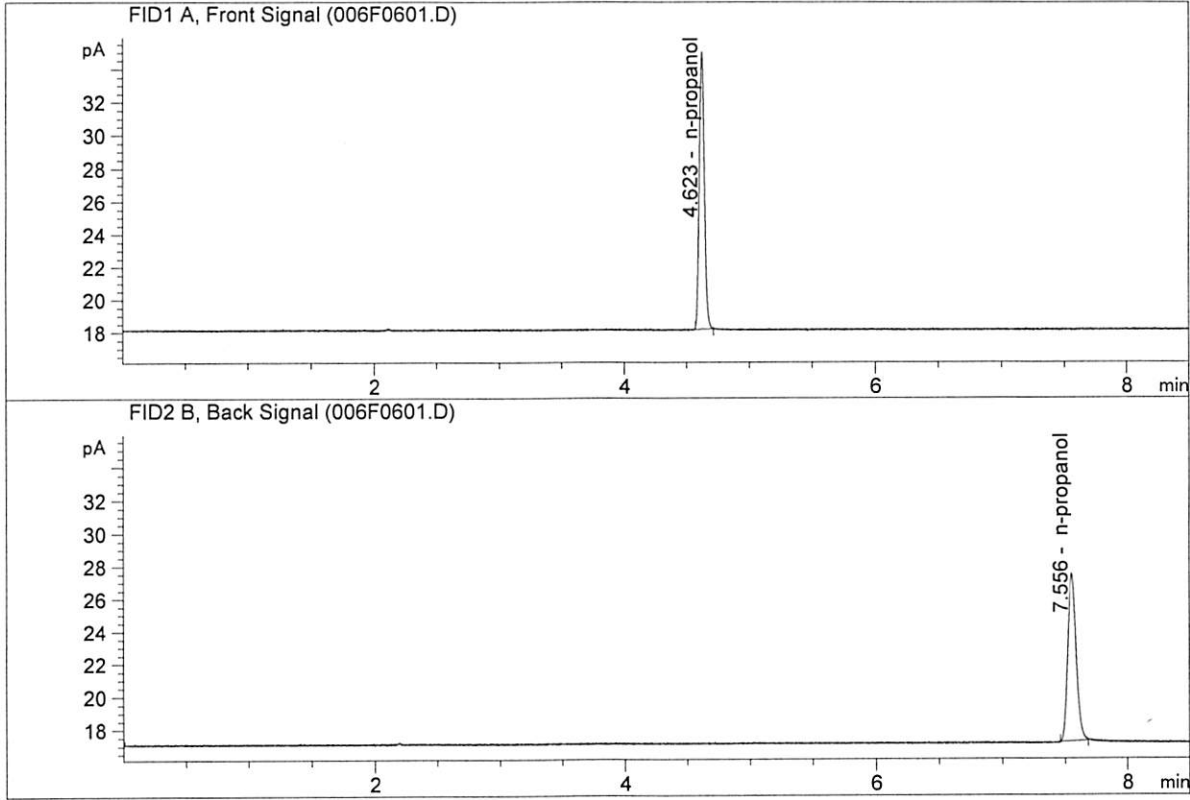
Sample Name : 0.500 FN07031402
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.65860	0.4998	g/100cc
2.	Ethanol	Column 2:	48.92730	0.5007	g/100cc
3.	n-Propanol	Column 1:	49.26019	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.26690	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : Mar 20, 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:	47.95464	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.88408	1.0000	g/100cc

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\Data\03-20-18_CAL\03-20-18_CAL 2018-03-20 10-34-01\03-20-18_CAL.S
 Data directory path: C:\Chem32\1\Data\03-20-18_CAL\03-20-18_CAL 2018-03-20 10-34-01\
 Logbook: C:\Chem32\1\Data\03-20-18_CAL\03-20-18_CAL 2018-03-20 10-34-01\03-20-18_CAL.LOG
 Sequence start: 3/20/2018 10:48:37 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

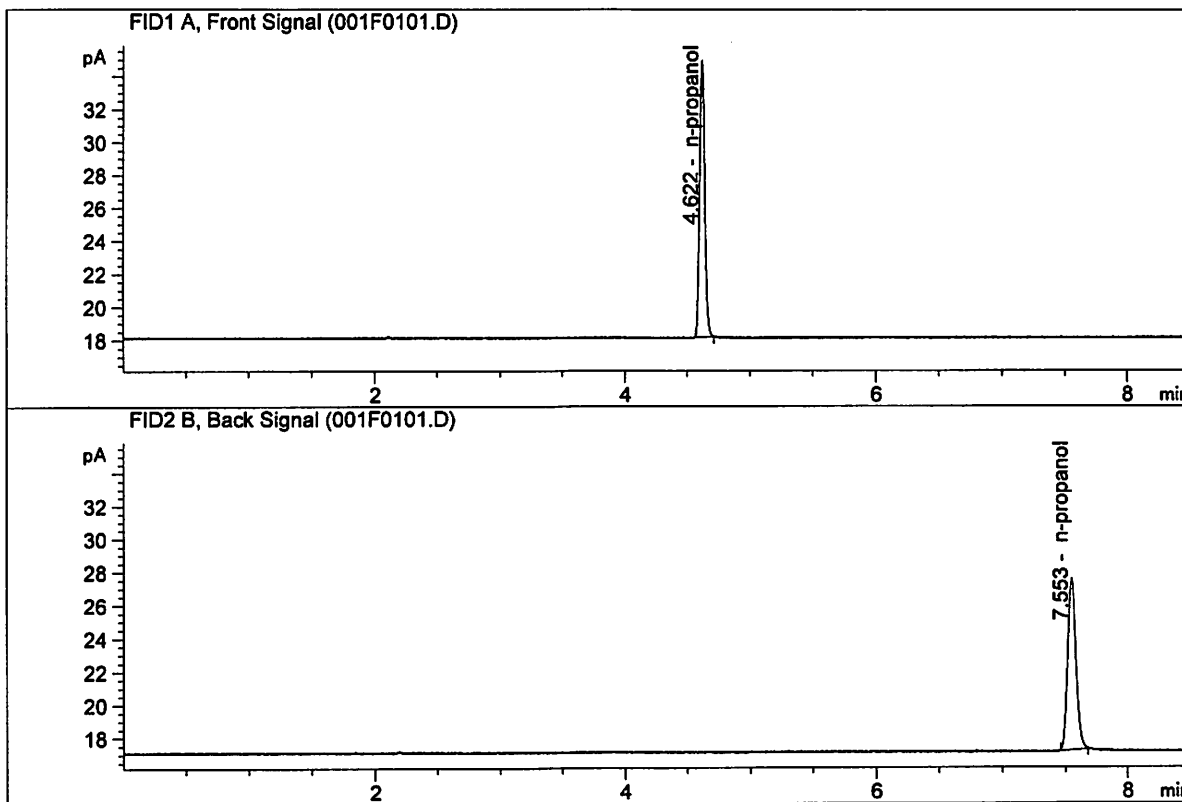
Method file name: C:\Chem32\1\Data\03-20-18_CAL\03-20-18_CAL 2018-03-20 10-34-01\ALCOHOL.M

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

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ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

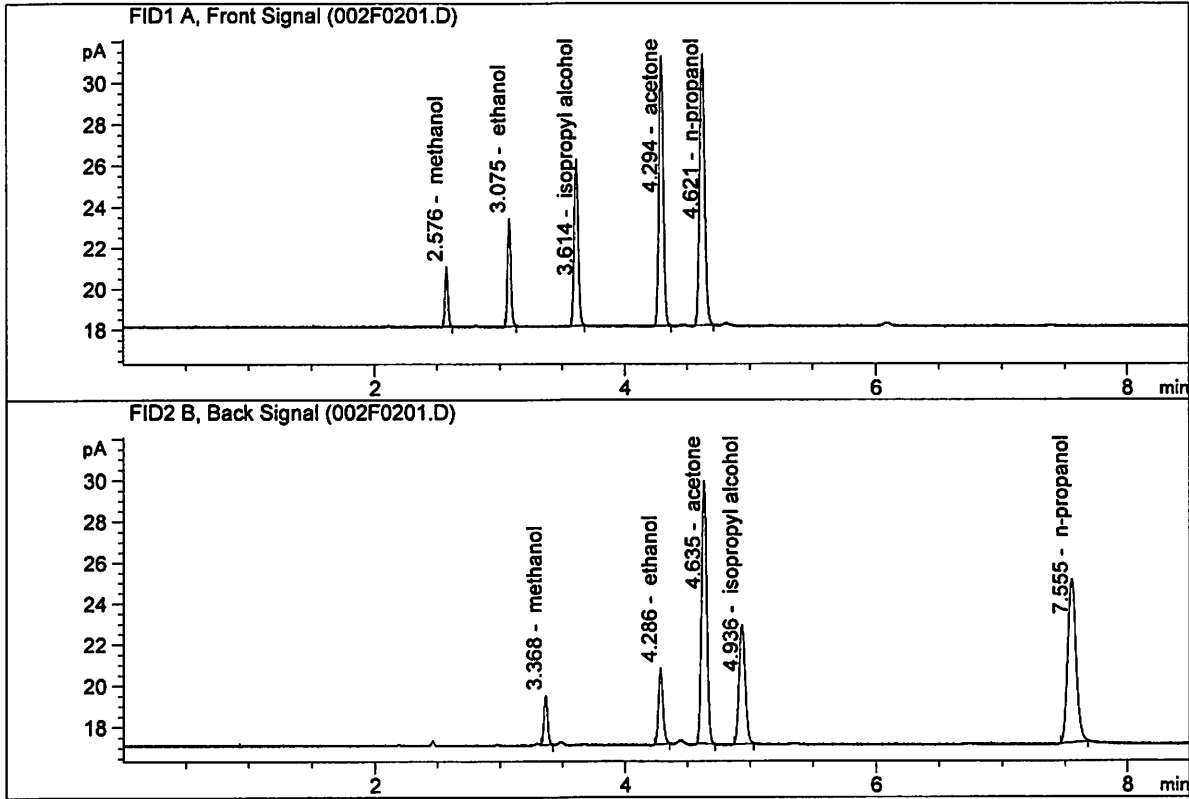


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	47.93808	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.58151	1.0000	g/100cc

Jc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041503
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.59196	0.1364	g/100cc
2.	Ethanol	Column 2:	9.74542	0.1364	g/100cc
3.	n-Propanol	Column 1:	37.36320	1.0000	g/100cc
4.	n-Propanol	Column 2:	37.87570	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 20 Mar 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0778	0.0786	0.0008	0.0782	0.0778
(g/100cc)	0.0772	0.0779	0.0007	0.0775	

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: MDL600HC11378

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

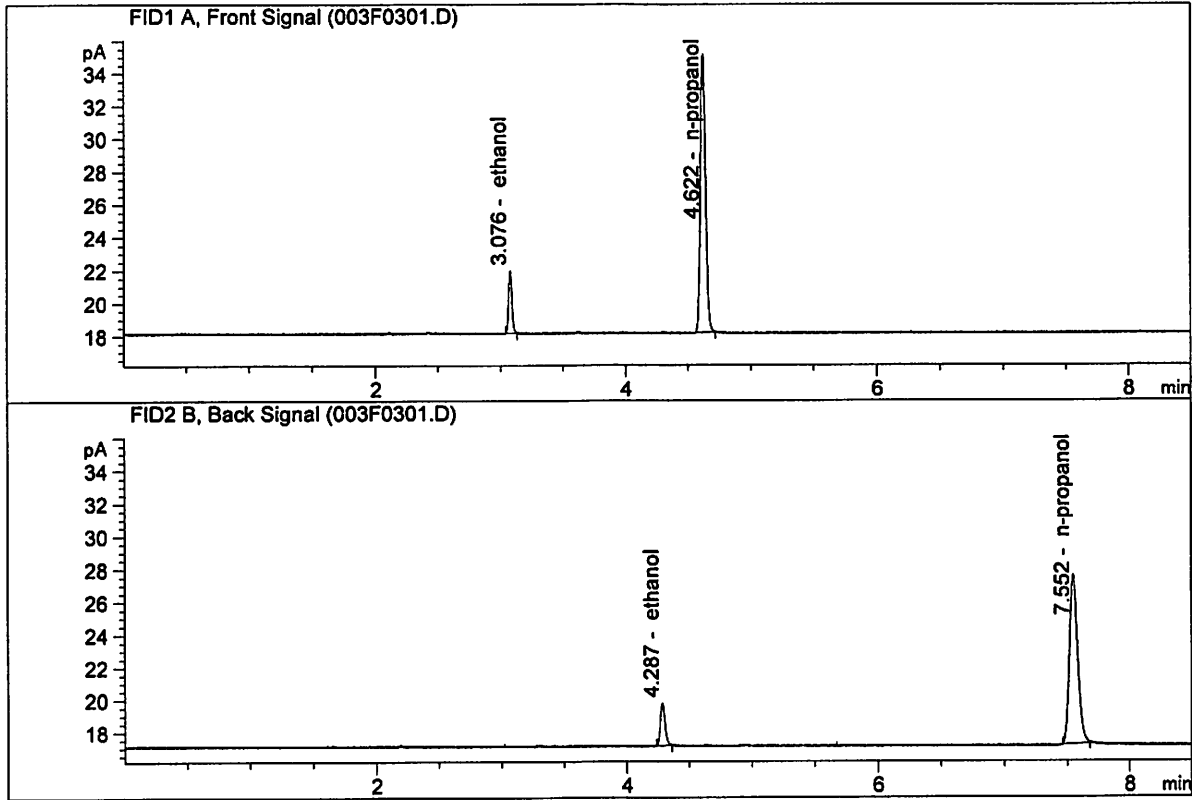
	Reported Result 0.077
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Calibration and control data are stored centrally.



ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

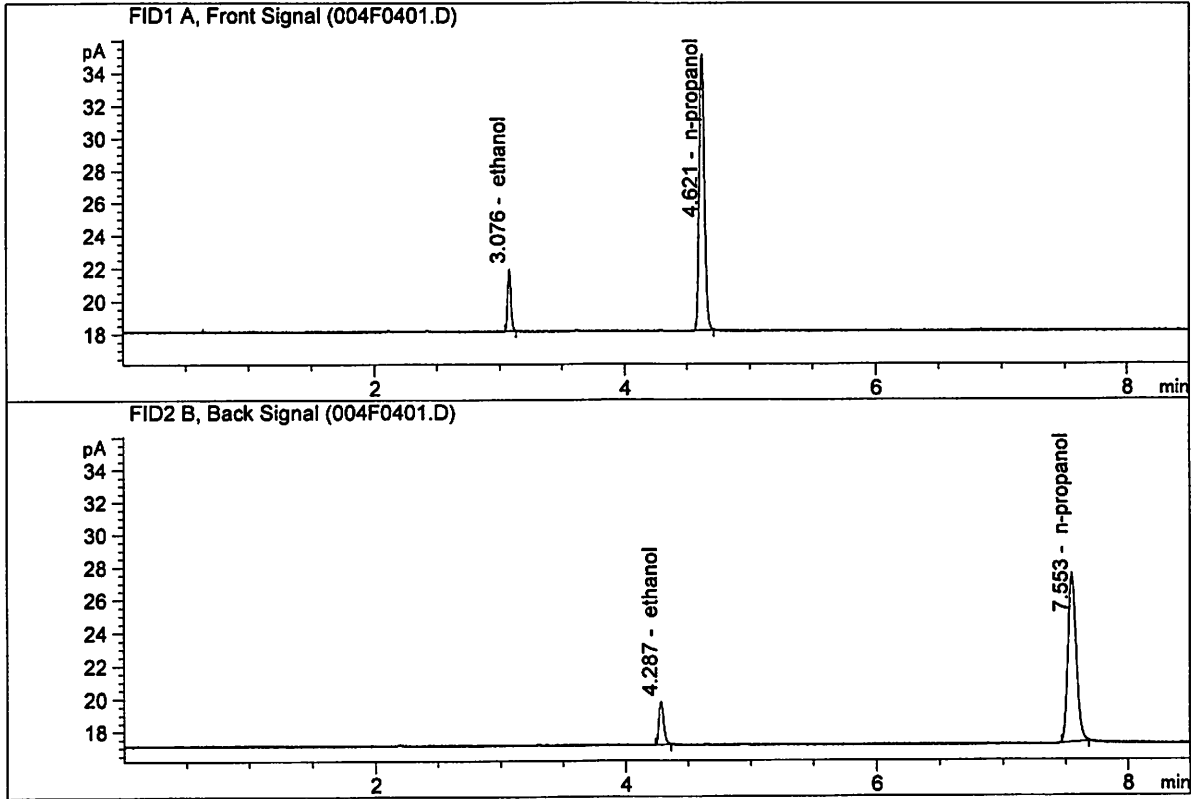


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.05976	0.0778	g/100cc
2.	Ethanol	Column 2:	7.11163	0.0786	g/100cc
3.	n-Propanol	Column 1:	48.51978	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.46859	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.98384	0.0772	g/100cc
2.	Ethanol	Column 2:	7.04286	0.0779	g/100cc
3.	n-Propanol	Column 1:	48.42097	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.42812	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510

Analysis Date(s): 20 Mar 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0817	0.0823	0.0006	0.0820	0.0813
(g/100cc)	0.0805	0.0809	0.0004	0.0807	

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: MDL600HC11378

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	
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Calibration and control data are stored centrally.

Issued: 12/30/2016

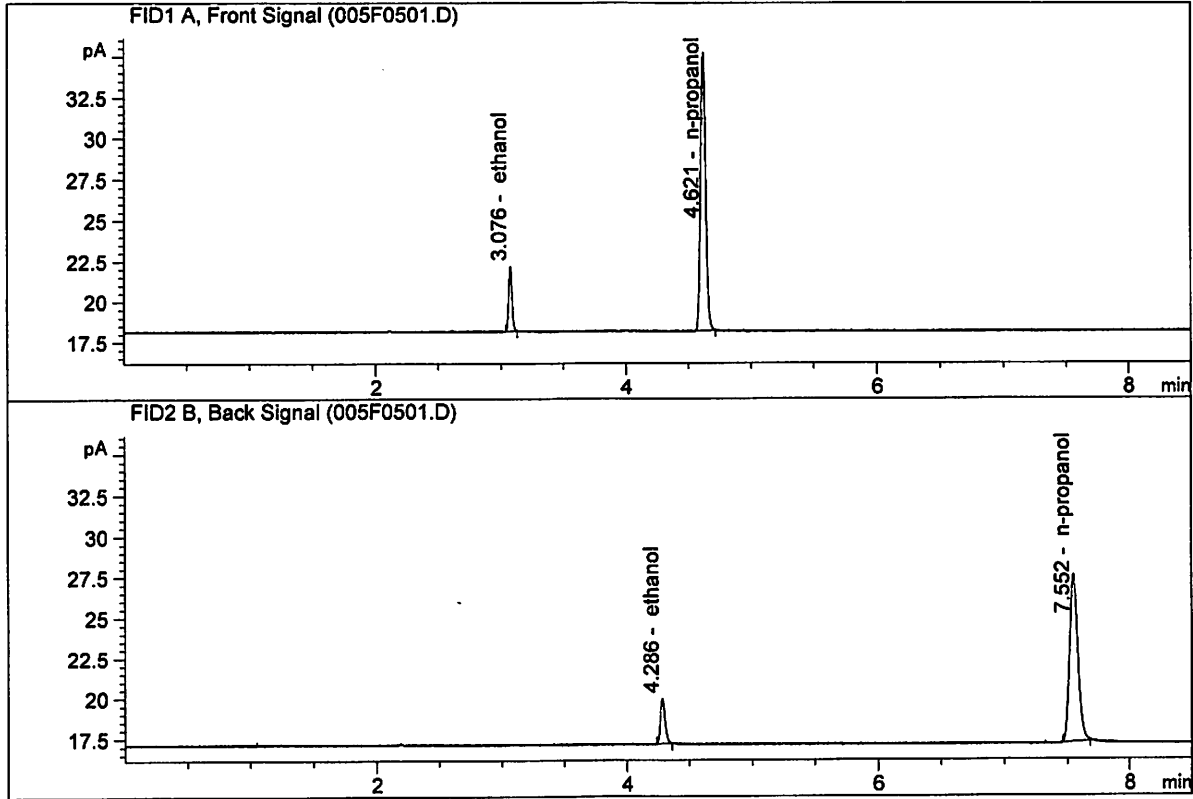
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-A
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

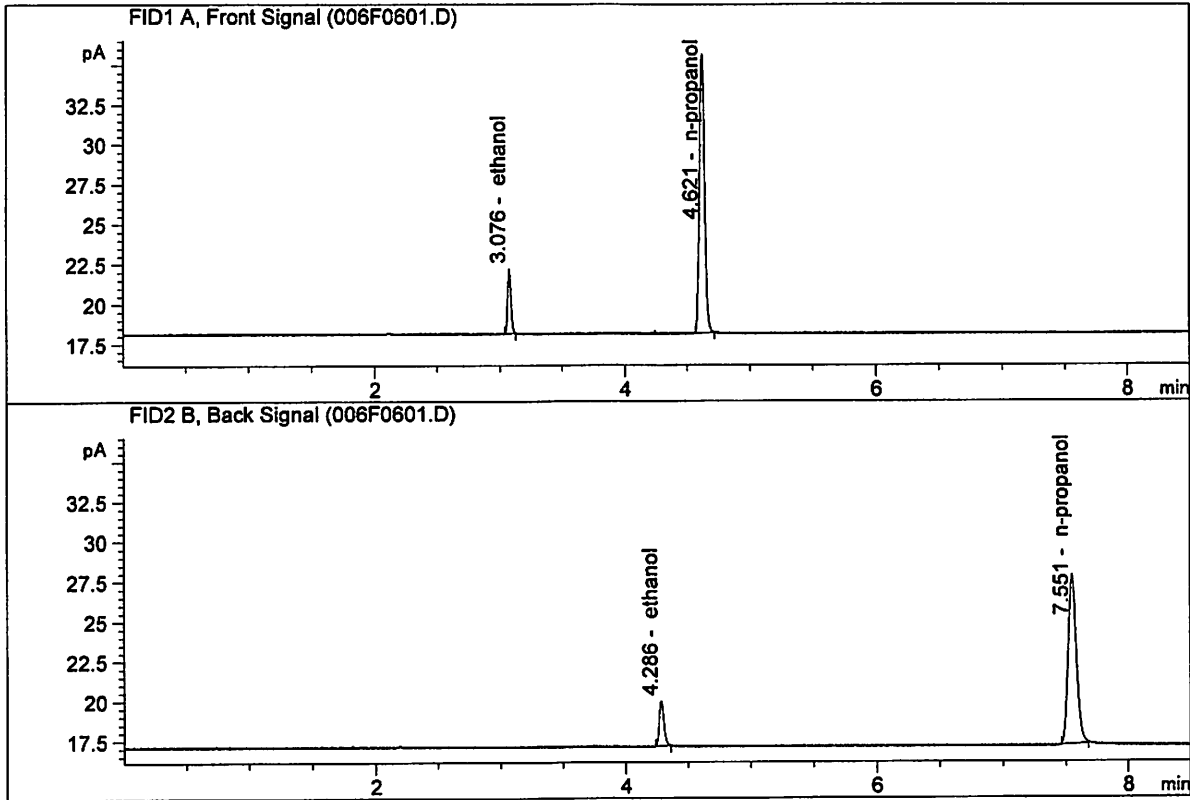


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.43849	0.0817	g/100cc
2.	Ethanol	Column 2:	7.48427	0.0823	g/100cc
3.	n-Propanol	Column 1:	48.68173	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.57201	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.50051	0.0805	g/100cc
2.	Ethanol	Column 2:	7.54272	0.0809	g/100cc
3.	n-Propanol	Column 1:	49.82736	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.83072	1.0000	g/100cc

JK

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 20 Mar 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.2029	0.2039	0.0010	0.2034	0.2029
(g/100cc)	0.2022	0.2028	0.0006	0.2025	

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: MDL600HC11378

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

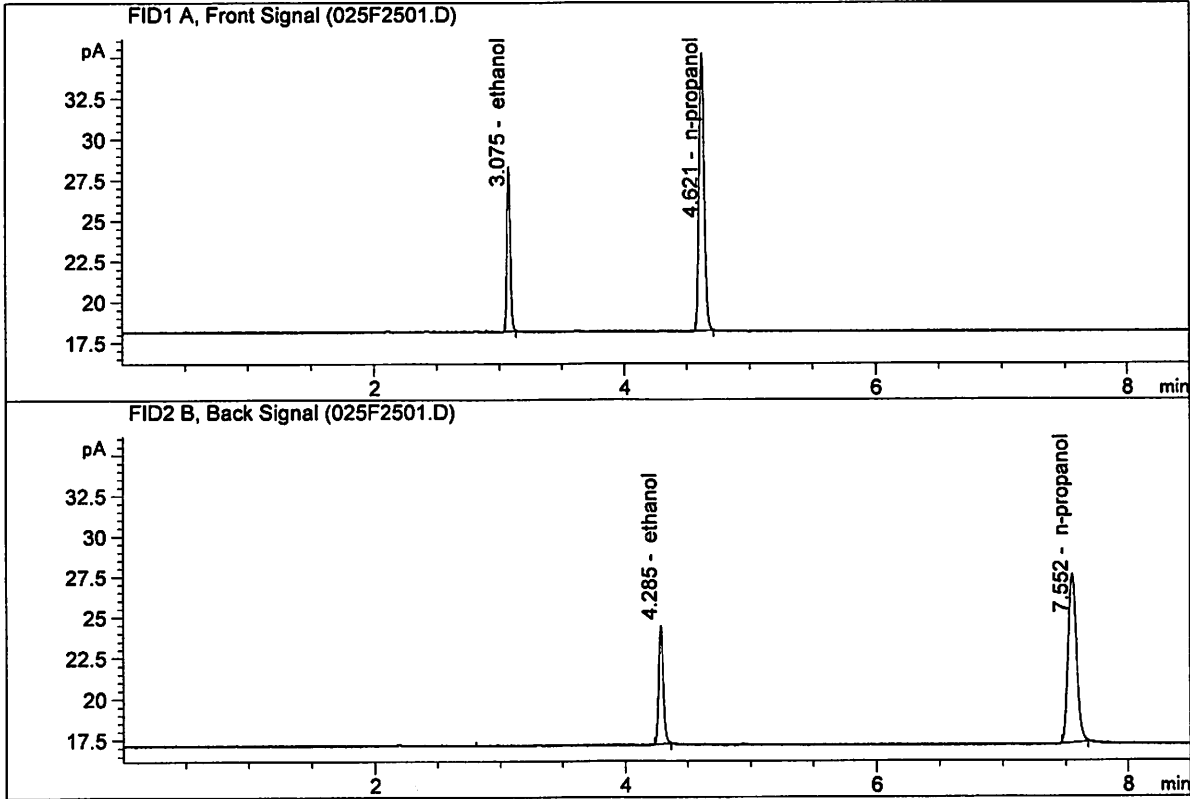
	Reported Result 0.202
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Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

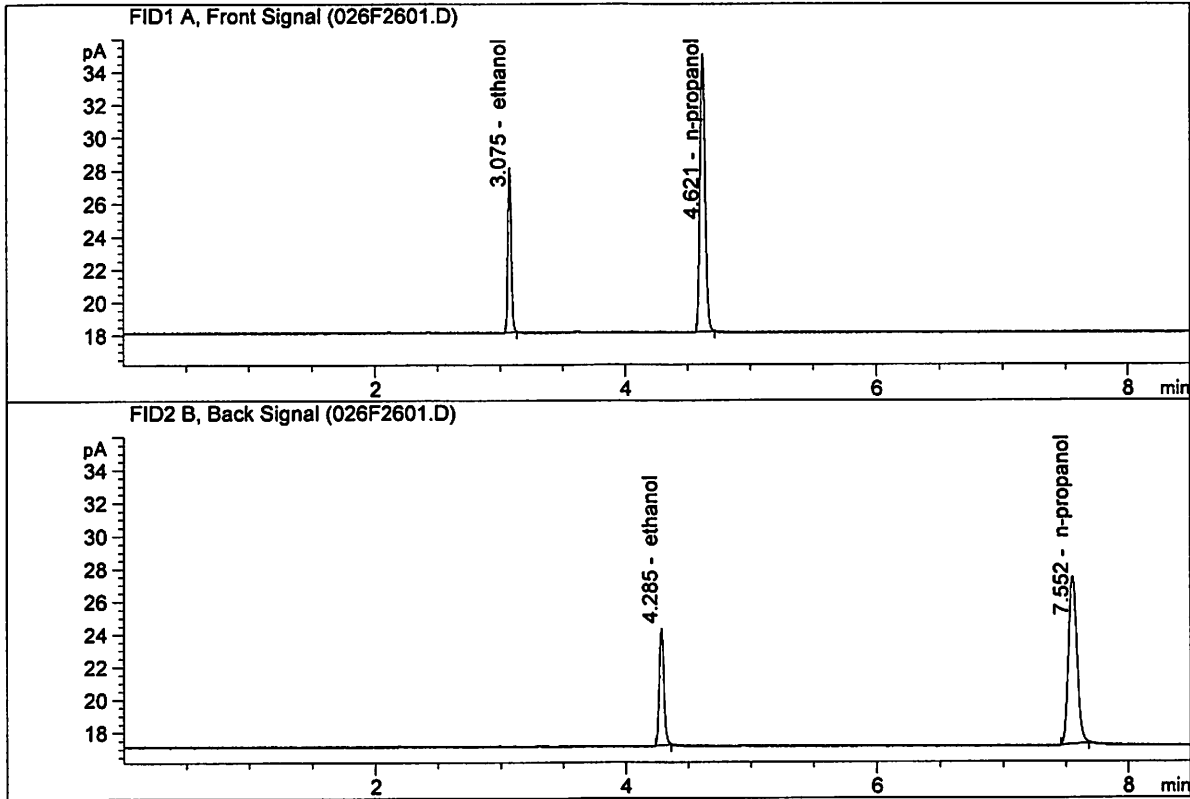
Sample Name : QC2-1-A
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.58831	0.2029	g/100cc
2.	Ethanol	Column 2:	19.21996	0.2039	g/100cc
3.	n-Propanol	Column 1:	48.52452	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.28529	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.39421	0.2022	g/100cc
2.	Ethanol	Column 2:	18.95173	0.2028	g/100cc
3.	n-Propanol	Column 1:	48.17784	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.86642	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 20 Mar 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0797	0.0814	0.0017	0.0805	0.0813	
(g/100cc)	0.0815	0.0827	0.0012	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: MDL600HC11378

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

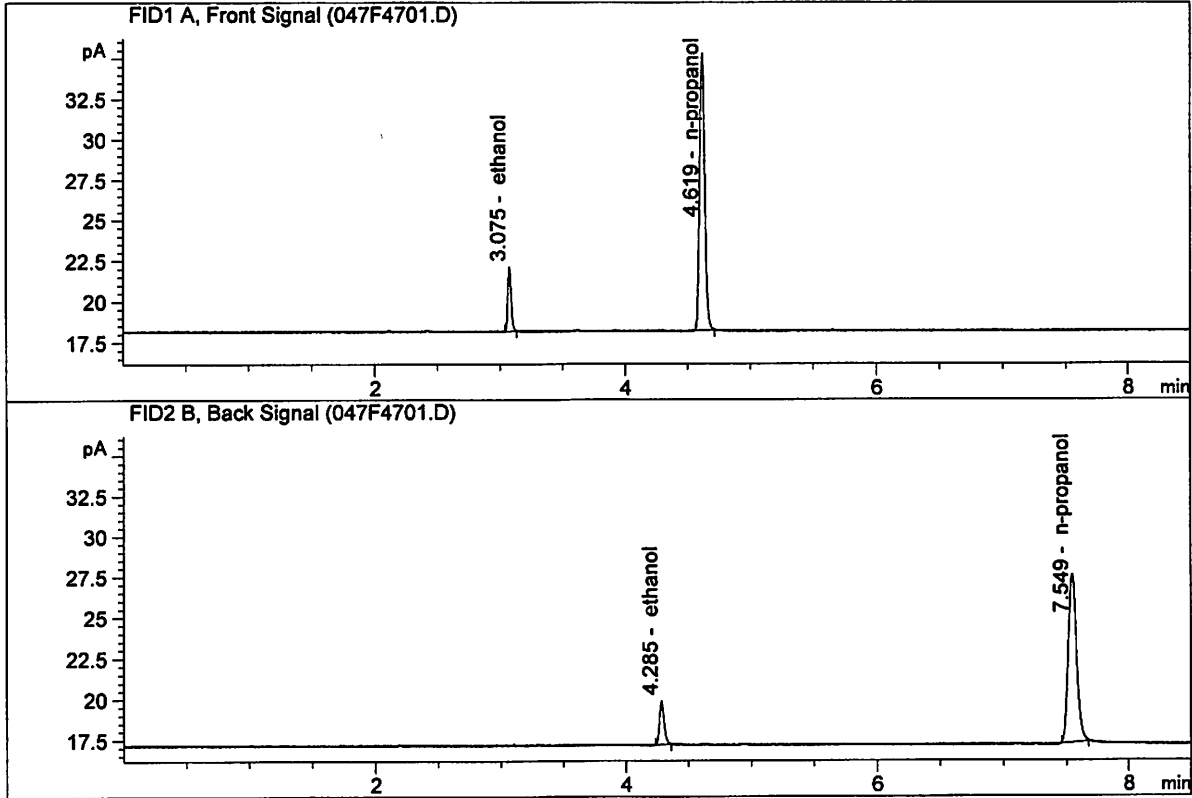
	Reported Result	
	0.081	

Calibration and control data are stored centrally.

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

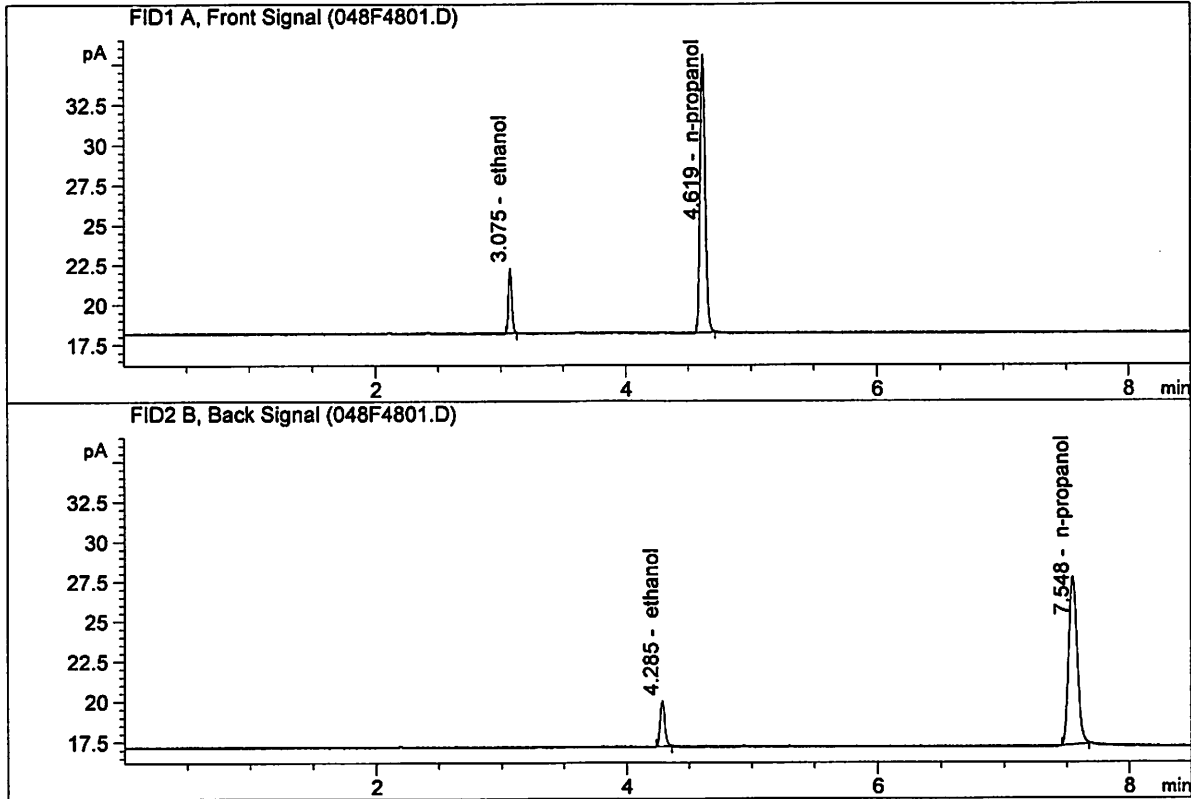


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.26121	0.0797	g/100cc
2.	Ethanol	Column 2:	7.33784	0.0814	g/100cc
3.	n-Propanol	Column 1:	48.68166	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.14025	1.0000	g/100cc

56

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : Mar 20, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

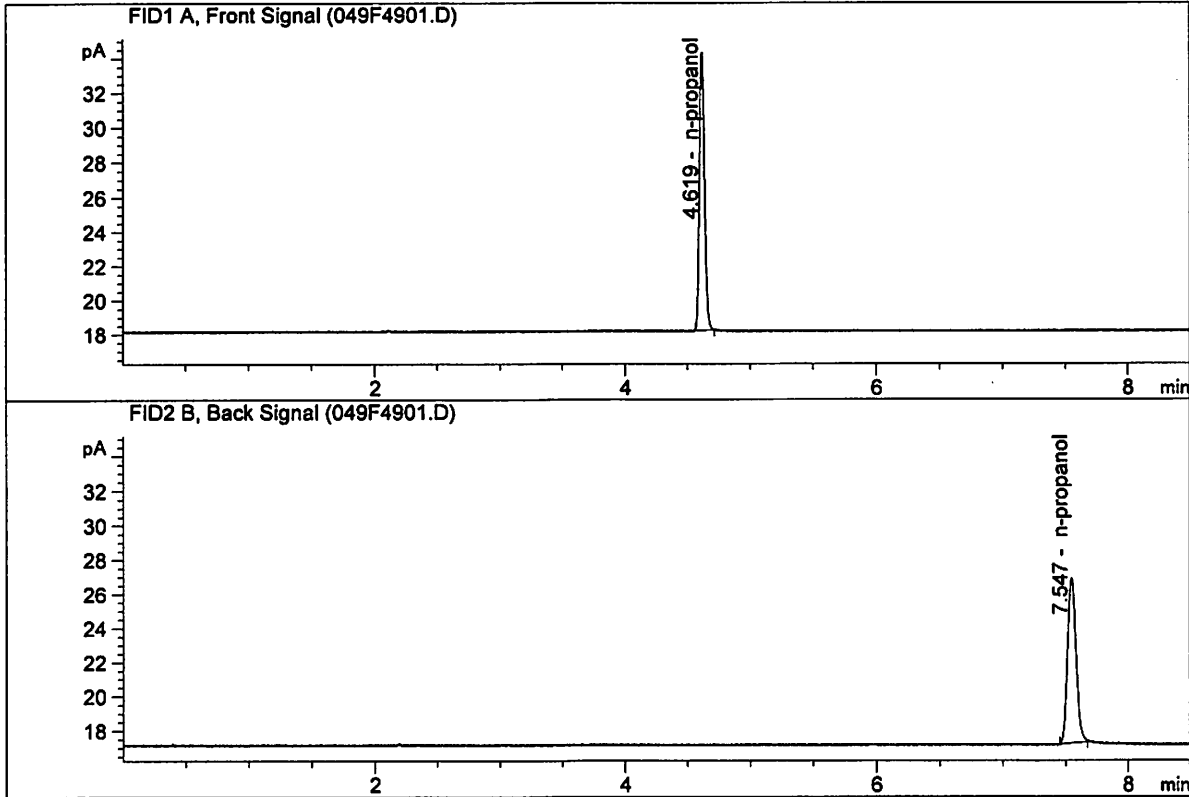


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.51849	0.0815	g/100cc
2.	Ethanol	Column 2:	7.56034	0.0827	g/100cc
3.	n-Propanol	Column 1:	49.33342	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.81617	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Mar 20, 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:	45.66583	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.02106	1.0000	g/100cc

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\Data\03-20-18_SAMPLES\03-20-18_SAMPLES 2018-03-20 14-53-11\03-20-18_SAMPLES.S
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 Logbook: C:\Chem32\1\Data\03-20-18_SAMPLES\03-20-18_SAMPLES 2018-03-20 14-53-11\03-20-18_SAMPLES.LOG
 Sequence start: 3/20/2018 3:07:59 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\03-20-18_SAMPLES\03-20-18_SAMPLES 2018-03-20 14-53-11\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 FN10281510-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN10281510-	-	1.0000	006F0601.D		4
7	7	1	M2018-1140-1-A	-	1.0000	007F0701.D		6
8	8	1	M2018-1140-1-B	-	1.0000	008F0801.D		6
9	9	1	M2018-1150-1-A	-	1.0000	009F0901.D		6
10	10	1	M2018-1150-1-B	-	1.0000	010F1001.D		6
11	11	1	M2018-1163-1-A	-	1.0000	011F1101.D		6
12	12	1	M2018-1163-1-B	-	1.0000	012F1201.D		6
13	13	1	M2018-1170-1-A	-	1.0000	013F1301.D		2
14	14	1	M2018-1170-1-B	-	1.0000	014F1401.D		2
15	15	1	M2018-1198-1-A	-	1.0000	015F1501.D		2
16	16	1	M2018-1198-1-B	-	1.0000	016F1601.D		2
17	17	1	M2018-1219-1-A	-	1.0000	017F1701.D		6
18	18	1	M2018-1219-1-B	-	1.0000	018F1801.D		6
19	19	1	M2018-1223-1-A	-	1.0000	019F1901.D		2
20	20	1	M2018-1223-1-B	-	1.0000	020F2001.D		2
21	21	1	M2018-1254-1-A	-	1.0000	021F2101.D		6
22	22	1	M2018-1254-1-B	-	1.0000	022F2201.D		6
23	23	1	M2018-1263-1-A	-	1.0000	023F2301.D		4
24	24	1	M2018-1263-1-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	M2018-1264-1-A	-	1.0000	027F2701.D		6
28	28	1	M2018-1264-1-B	-	1.0000	028F2801.D		6
29	29	1	M2018-1265-1-A	-	1.0000	029F2901.D		6
30	30	1	M2018-1265-1-B	-	1.0000	030F3001.D		6
31	31	1	M2018-1266-1-A	-	1.0000	031F3101.D		6
32	32	1	M2018-1266-1-B	-	1.0000	032F3201.D		6
33	33	1	M2018-1267-1-A	-	1.0000	033F3301.D		4
34	34	1	M2018-1267-1-B	-	1.0000	034F3401.D		4
35	35	1	M2018-1305-1-A	-	1.0000	035F3501.D		4
36	36	1	M2018-1305-1-B	-	1.0000	036F3601.D		4
37	37	1	M2018-1323-1-A	-	1.0000	037F3701.D		6
38	38	1	M2018-1323-1-B	-	1.0000	038F3801.D		6
39	39	1	M2018-1342-1-A	-	1.0000	039F3901.D		6
40	40	1	M2018-1342-1-B	-	1.0000	040F4001.D		6
41	41	1	M2018-1352-1-A	-	1.0000	041F4101.D		6
42	42	1	M2018-1352-1-B	-	1.0000	042F4201.D		6
43	43	1	M2018-1356-1-A	-	1.0000	043F4301.D		6

JK

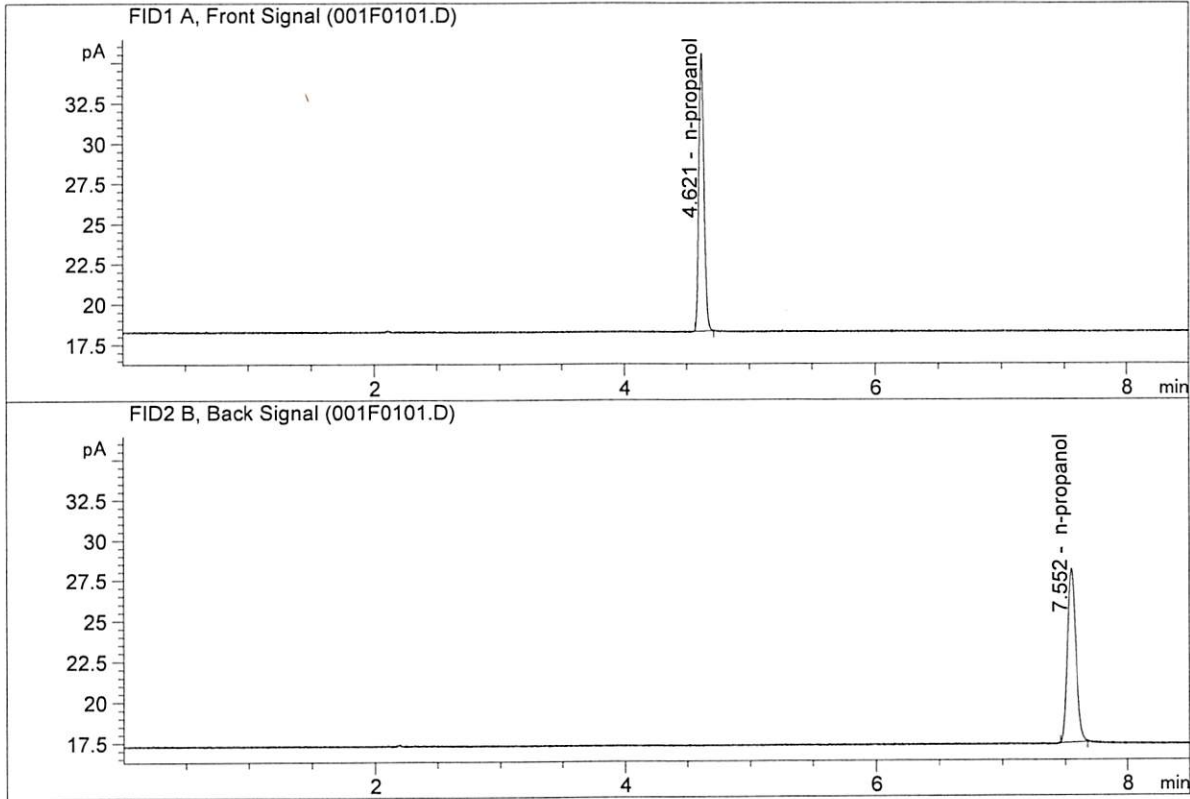
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44	44	1	M2018-1356-1-B	-	1.0000	044F4401.D		6
45	45	1	M2018-1370-1-A	-	1.0000	045F4501.D		3
46	46	1	M2018-1370-1-B	-	1.0000	046F4601.D		3
47	47	1	QC1-2-A	-	1.0000	047F4701.D		4
48	48	1	QC1-2-B	-	1.0000	048F4801.D		4
49	49	1	INTERNAL STD BLK	-	1.0000	049F4901.D		2

Method file name: C:\Chem32\1\Data\03-20-18_SAMPLES\03-20-18_SAMPLES 2018-03-20 14-53-11 \SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
50	50	1	EMPTY	-	1.0000	050F5001.D		0

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
 Laboratory : Meridian
 Injection Date : Mar 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

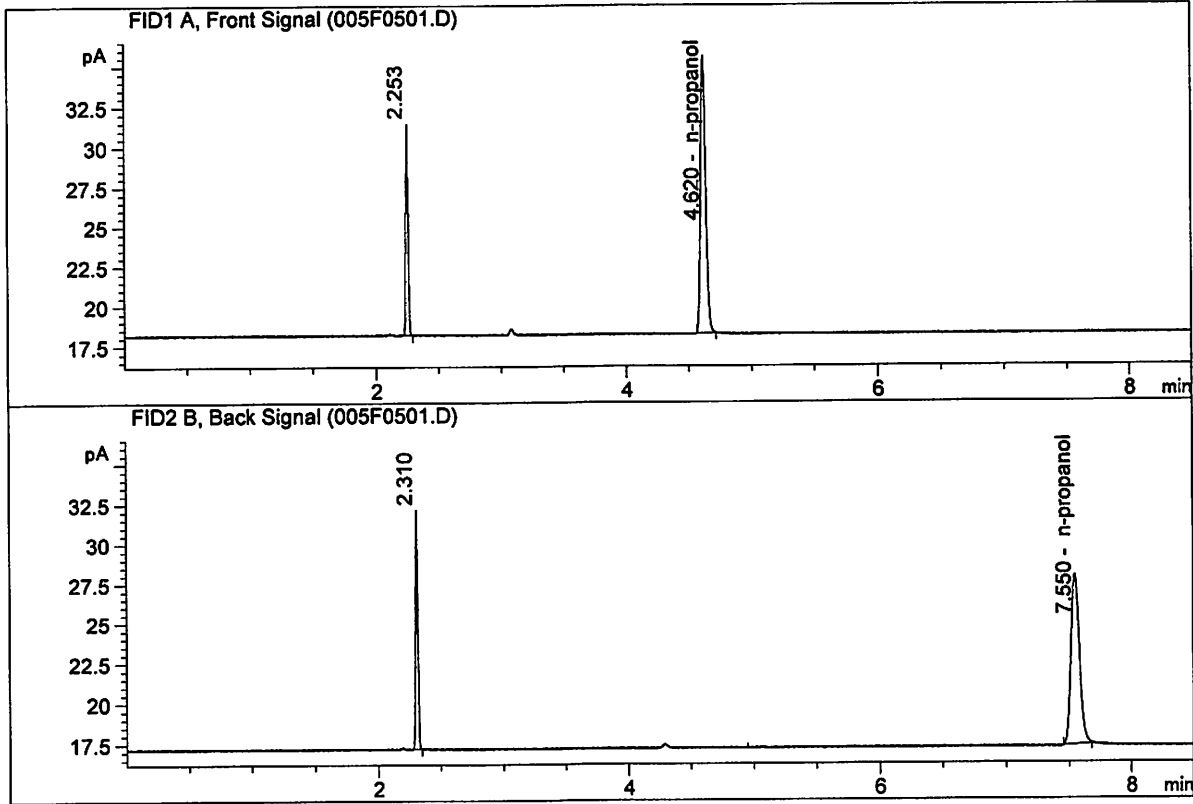


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	49.23571	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.12771	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

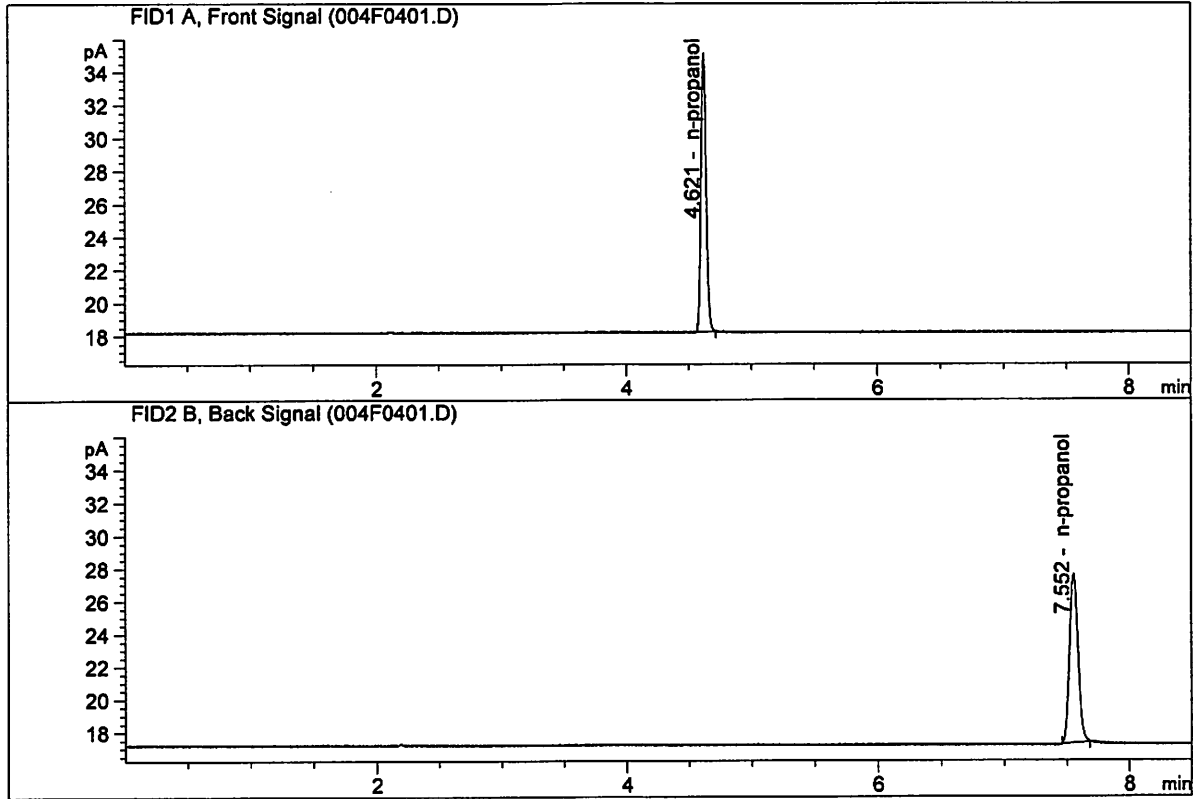
Sample Name : TFE 111914
 Laboratory : Meridian
 Injection Date : Mar 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	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:	49.68438	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.68217	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

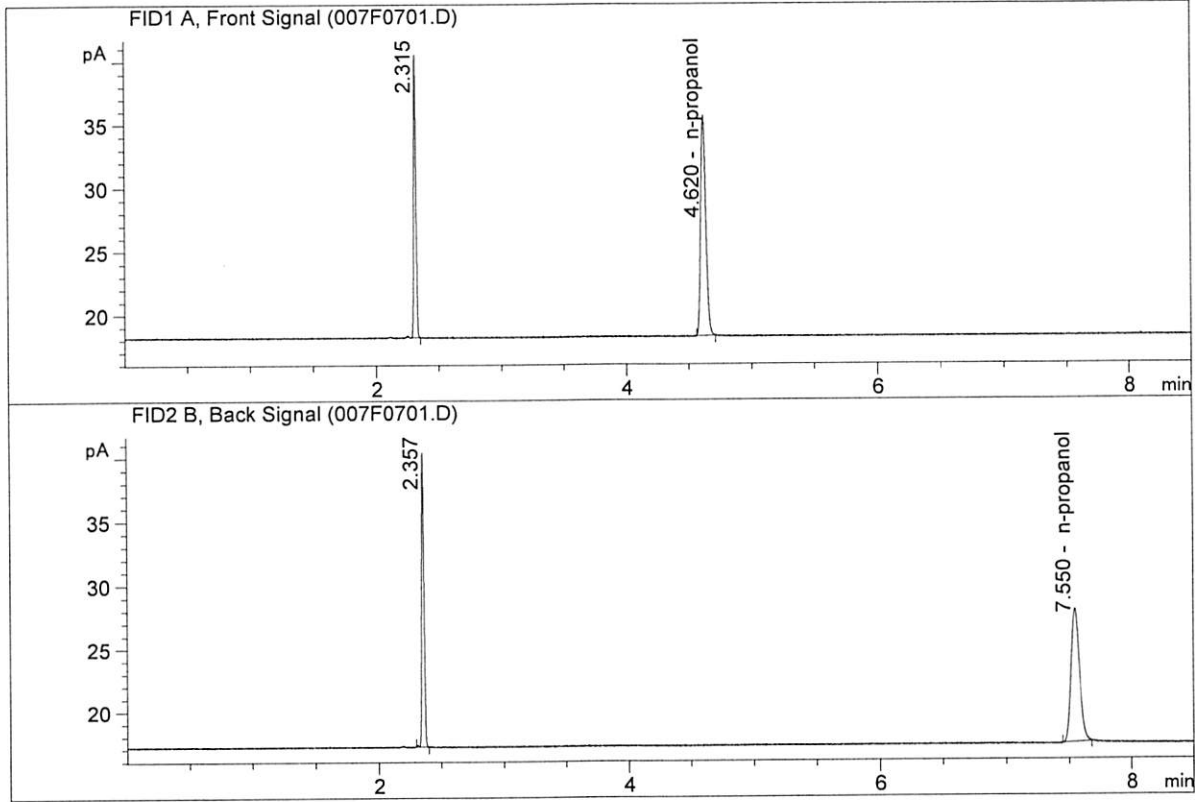
Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Mar 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	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:	48.39698	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.35171	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : DFE 111914OM
 Laboratory : Meridian
 Injection Date : Mar 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

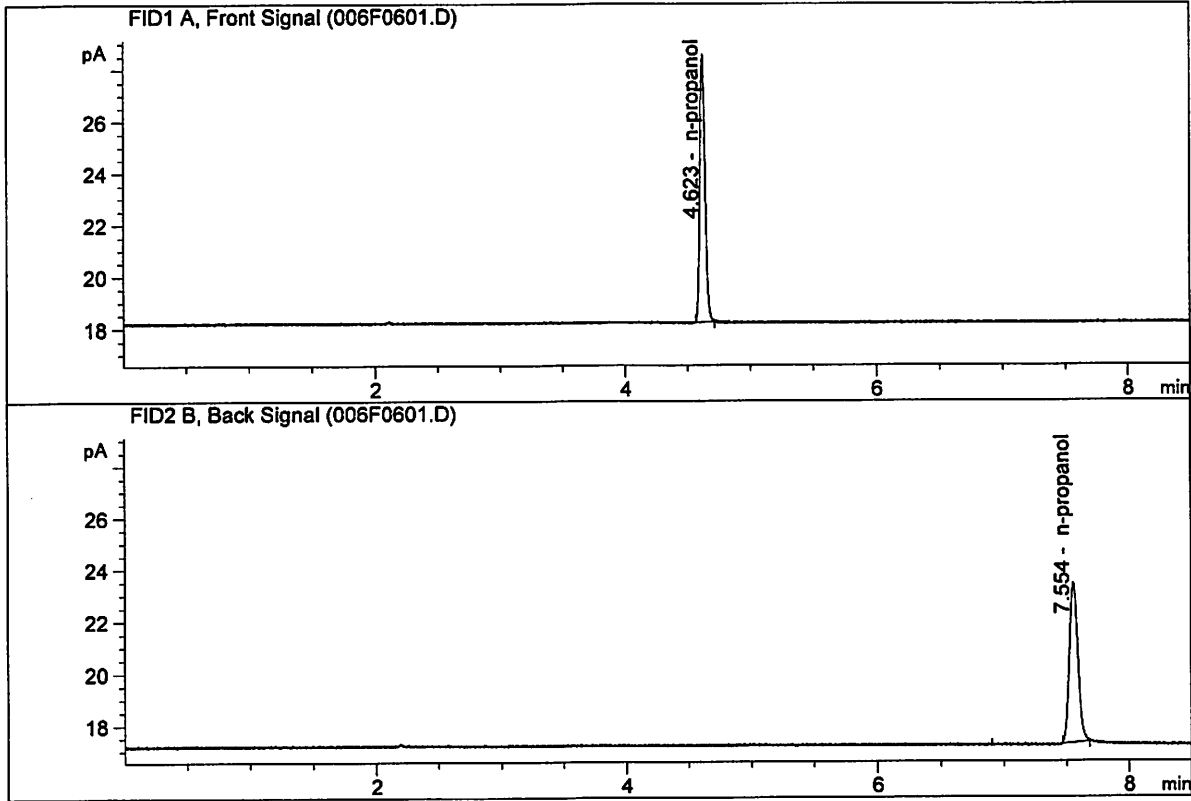


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	49.57365	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.65467	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Mar 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:	29.57642	1.0000	g/100cc
4.	n-Propanol	Column 2:	29.53625	1.0000	g/100cc

JK

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\Data\03-21-18_INHALE\03-21-18_INHALE 2018-03-21 13-26-54\03-2-18_INHALE.S
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 Sequence start: 3/21/2018 1:41:33 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

Method file name: C:\Chem32\1\Data\03-21-18_INHALE\03-21-18_INHALE 2018-03-21 13-26-54\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	M2018-1370-1-A	-	1.0000	002F0201.D		3
3	3	1	M2018-1370-1-B	-	1.0000	003F0301.D		3
4	4	1	INTERNAL STD BLK	-	1.0000	004F0401.D		2
5	5	1	TFE 111914	-	1.0000	005F0501.D		2
6	6	1	INTERNAL STD BLK	-	1.0000	006F0601.D		2
7	7	1	DFE 111914OM	-	1.0000	007F0701.D		2

Method file name: C:\Chem32\1\Data\03-21-18_INHALE\03-21-18_INHALE 2018-03-21 13-26-54\SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
8	8	1	EMPTY	-	1.0000	008F0801.D		0

26