

**Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles**

*Analytical Method(s): 1.0*

*Device: Hamilton MICROLAB 5034 Liquia Processor/Dilutor Serial Number: MD-96BC1382/MD944M10010*

**Volatiles Quality Assurance Controls**

**Run Date(s): 09/07/2017-09/08/2017**

**Calibration Date: 9/7/2017**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702 - 0.0858	0.0741 g/100cc
					0.0768 g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818 - 0.2222	0.1979 g/100cc
					g/100cc
Multi-Component Mixture		Exp: Oct 2019	Lot #	FN09231404	OK
Curve Fit:		Column 1	0.99998	Column 2	0.99987

Ethanol Calibration Reference Material								
Calibrator level	Expiration	Ceriliant Lot #	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0498	0.0476	0.0022	0.0487
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Jun-20	FN06181501	0.100	0.090 - 0.110	0.0999	0.0959	0.004	0.0979
0.200	Oct-20	FN07201502	0.200	0.180 - 0.220	0.1973	0.1933	0.004	0.1953
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2989	0.2974	0.0015	0.2981
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5018	0.5053	0.0035	0.5035

Aqueous Controls					
Control level	Expiration	Ceriliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Nov-20	FN10281510	0.08000	0.076 - 0.084	0.077 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

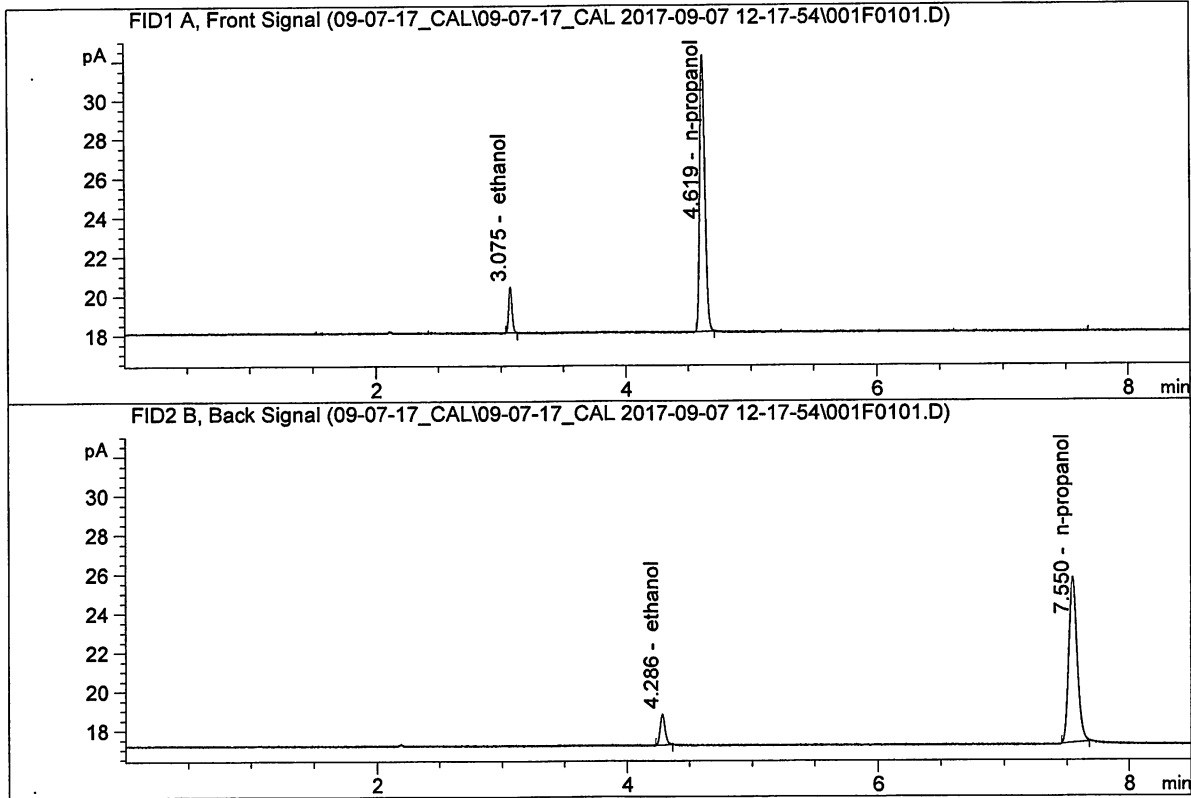
JK

**Worklist: 1884**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2017-3703	1	91988	Alcohol Analysis	
M2017-3869	1	92893	Alcohol Analysis	
M2017-3886	1	92971	Alcohol Analysis	
M2017-3887	1	92972	Alcohol Analysis	
M2017-3896	1	92984	Alcohol Analysis	
M2017-3898	1	92990	Alcohol Analysis	
M2017-3901	1	92996	Alcohol Analysis	
M2017-3902	1	92997	Alcohol Analysis	
M2017-3906	1	93009	Alcohol Analysis	
M2017-3907	1	93010	Alcohol Analysis	
M2017-3943	1	93178	Alcohol Analysis	
M2017-4004	1	93412	Alcohol Analysis	
M2017-4005	1	93413	Alcohol Analysis	
M2017-4060	1	93532	Alcohol Analysis	
M2017-4061	1	93536	Alcohol Analysis	
M2017-4073	1	93569	Alcohol Analysis	
M2017-4074	1	93571	Alcohol Analysis	
M2017-4077	1	93587	Alcohol Analysis	

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

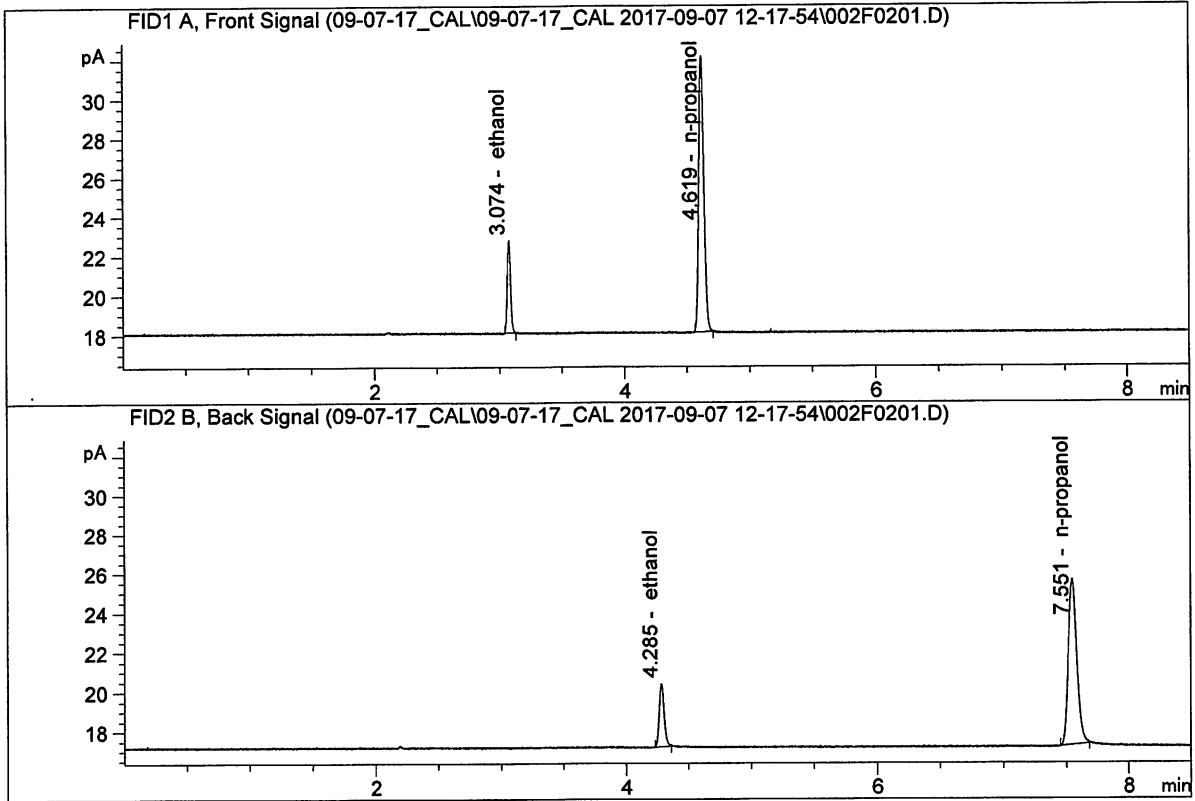


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.30855	0.0498	g/100cc
2.	Ethanol	Column 2:	4.32333	0.0476	g/100cc
3.	n-Propanol	Column 1:	40.21766	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.70615	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN06181501  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

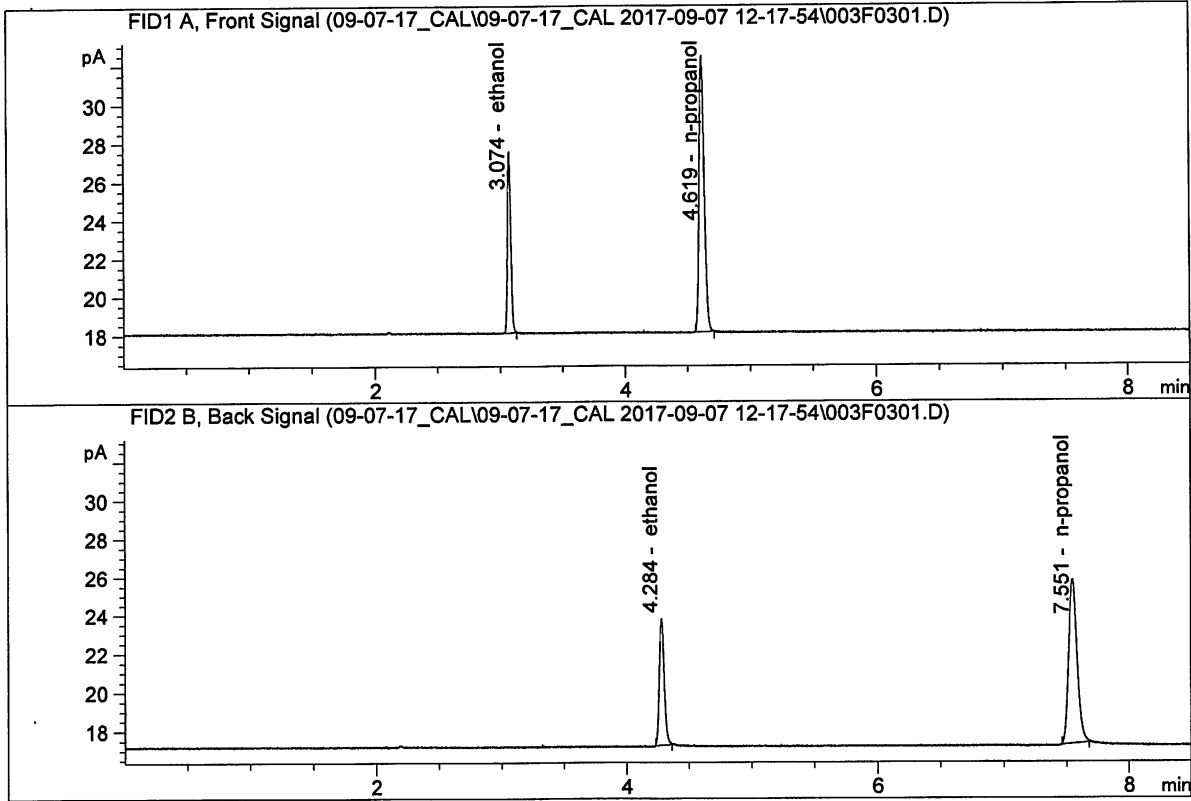


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.57302	0.0999	g/100cc
2.	Ethanol	Column 2:	8.62102	0.0959	g/100cc
3.	n-Propanol	Column 1:	39.87809	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.33717	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN07201502  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

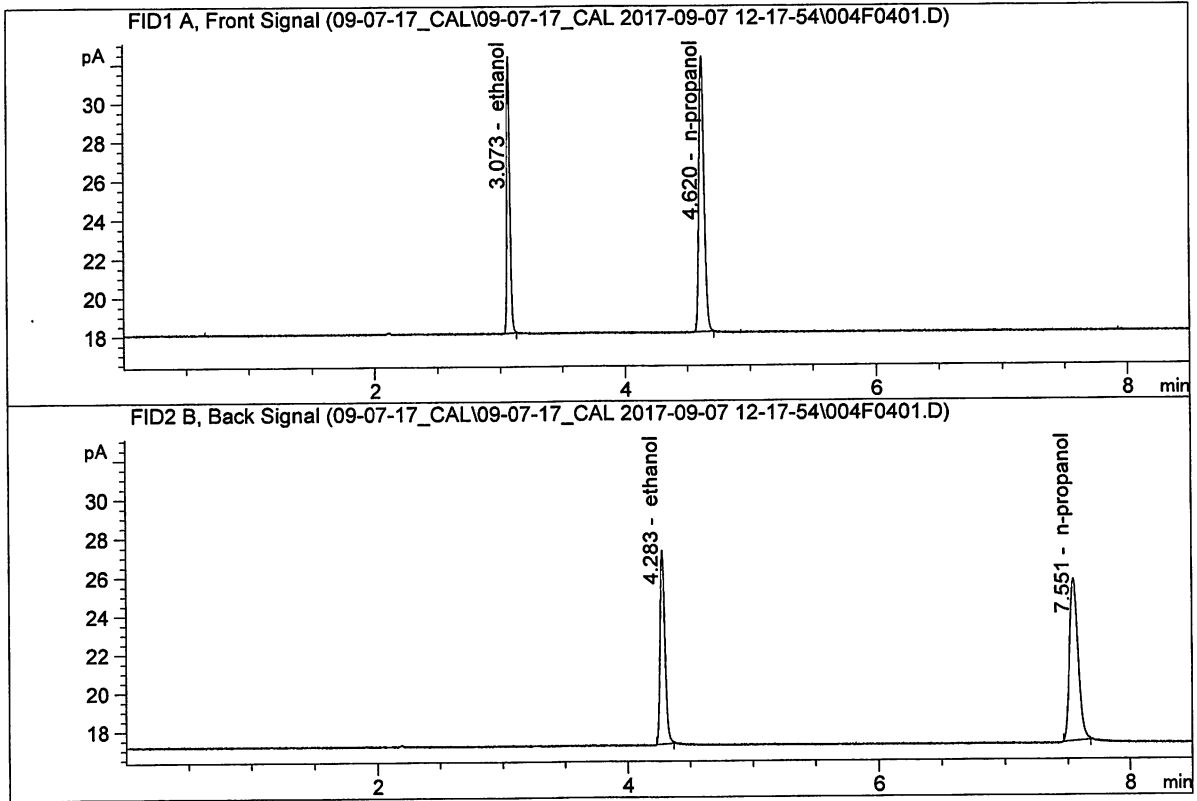


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.31899	0.1973	g/100cc
2.	Ethanol	Column 2:	17.64253	0.1933	g/100cc
3.	n-Propanol	Column 1:	40.79642	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.92939	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

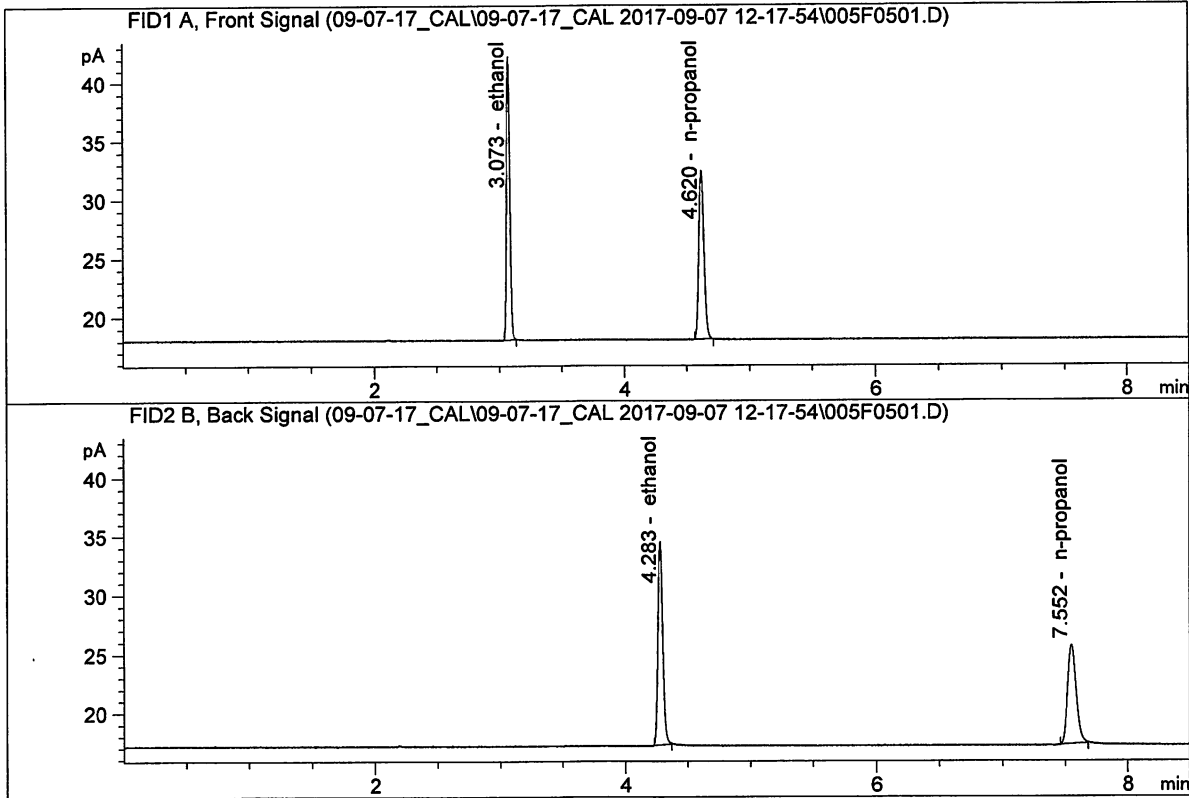
Sample Name : 0.300 FN02121601  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.07828	0.2989	g/100cc
2.	Ethanol	Column 2:	26.92179	0.2974	g/100cc
3.	n-Propanol	Column 1:	40.54707	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.60582	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

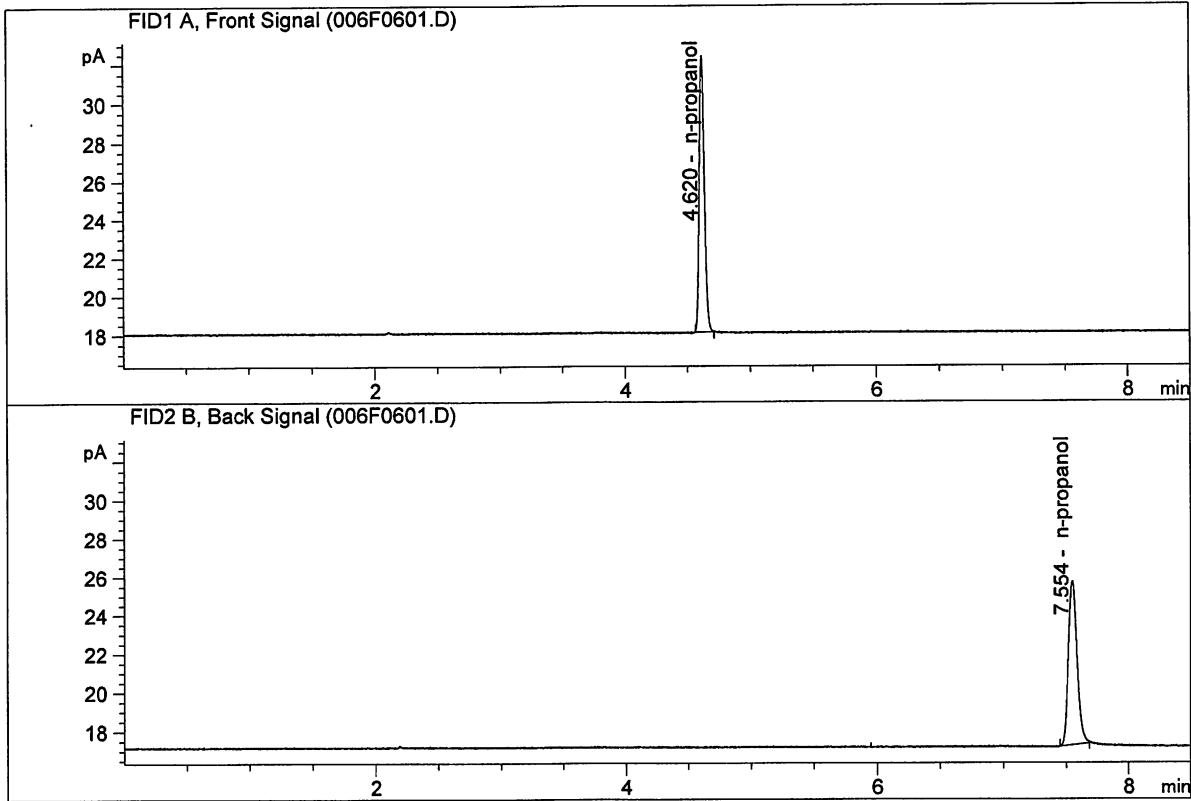


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.95041	0.5018	g/100cc
2.	Ethanol	Column 2:	45.77392	0.5053	g/100cc
3.	n-Propanol	Column 1:	40.69912	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.62981	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.67439	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.98927	1.0000	g/100cc

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

Sequence table: C:\Chem32\1\Data\09-07-17\_CAL\09-07-17\_CAL 2017-09-07 12-17-54\09-07-17\_CAL.S  
 Data directory path: C:\Chem32\1\Data\09-07-17\_CAL\09-07-17\_CAL 2017-09-07 12-17-54\  
 Logbook: C:\Chem32\1\Data\09-07-17\_CAL\09-07-17\_CAL 2017-09-07 12-17-54\09-07-17\_CAL.LOG  
 Sequence start: 9/7/2017 12:32:33 PM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM  
 Method file name: C:\Chem32\1\Data\09-07-17\_CAL\09-07-17\_CAL 2017-09-07 12-17-54\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 FN07201502	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN02121601	-	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

*New master method saved*

*C:\chem 32\1\methods\alcohol.m*

*Calibration data updated 9/7/17*

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=====  
Calibration Table  
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General Calibration Setting  
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Calib. Data Modified : Thursday, September 07, 2017 1:23:06 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 : Forced  
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  
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Overview Table  
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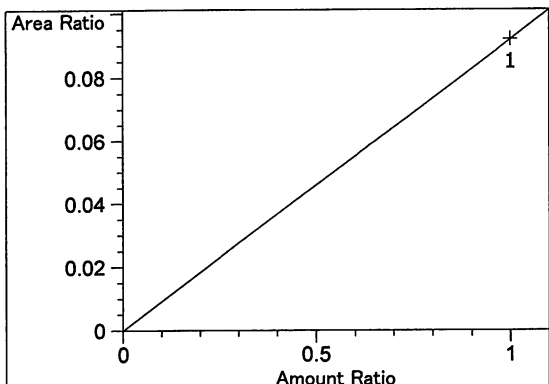
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RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD #	Compound
2.586	1	1	1.00000	3.69669	2.70512e-1	No	No 1	methanol
2.809	1	1	1.00000	4.26100	2.34687e-1	No	No 2	Acetaldehyde
2.977	2	1	1.00000	4.26100	2.34687e-1	No	No 2	Acetaldehyde
3.073	1	1	5.00000e-2	4.30855	1.16048e-2	No	No 1	ethanol
		2	1.00000e-1	8.57302	1.16645e-2			
		3	2.00000e-1	17.31899	1.15480e-2			
		4	3.00000e-1	26.07828	1.15038e-2			
		5	5.00000e-1	43.95041	1.13765e-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	4.32333	1.15652e-2	No	No 2	ethanol
		2	1.00000e-1	8.62102	1.15996e-2			
		3	2.00000e-1	17.64253	1.13362e-2			
		4	3.00000e-1	26.92179	1.11434e-2			
		5	5.00000e-1	45.77392	1.09233e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.617	1	1	1.00000	40.21766	2.48647e-2	No	Yes 1	n-propanol
		2	1.00000	39.87809	2.50764e-2			
		3	1.00000	40.79642	2.45120e-2			
		4	1.00000	40.54707	2.46627e-2			
		5	1.00000	40.69912	2.45706e-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
7.549	2	1	1.00000	40.70615	2.45663e-2	No	Yes 2	n-propanol
		2	1.00000	40.33717	2.47910e-2			
		3	1.00000	40.92939	2.44323e-2			
		4	1.00000	40.60582	2.46270e-2			
		5	1.00000	40.62981	2.46125e-2			

Peak Sum Table

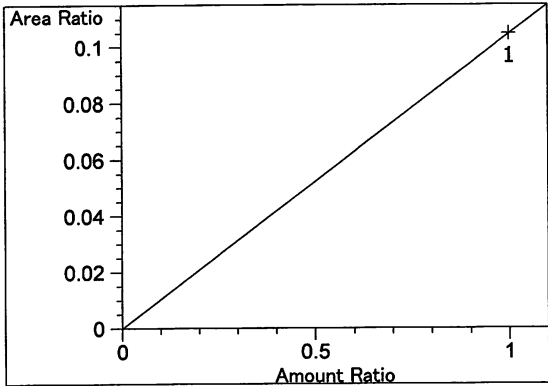
\*\*\*No Entries in table\*\*\*

Calibration Curves

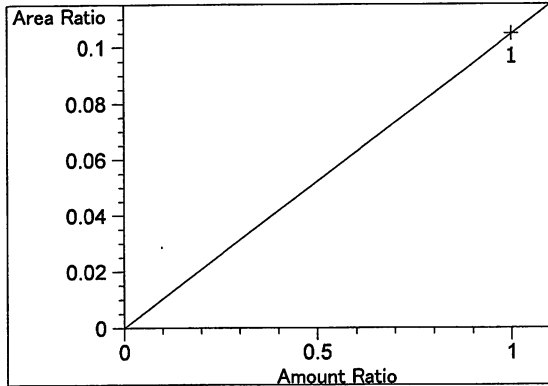


methanol at exp. RT: 2.586  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m:  $9.19172e-2$   
 x: Amount Ratio  
 y: Area Ratio

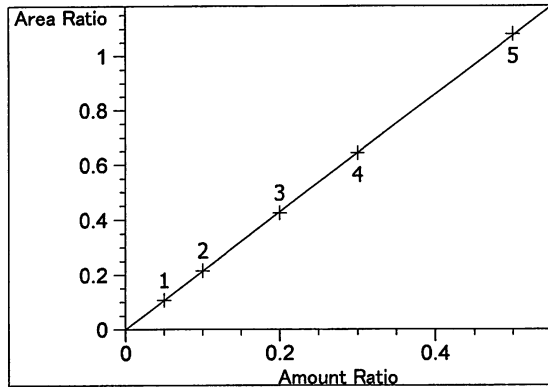
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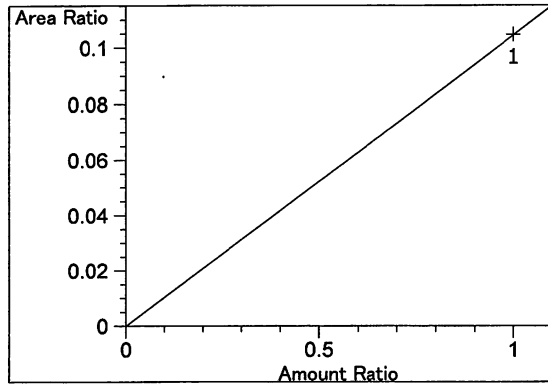
Acetaldehyde at exp. RT: 2.809  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 1.04677e-1  
 x: Amount Ratio  
 y: Area Ratio



Acetaldehyde at exp. RT: 2.977  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 1.04677e-1  
 x: Amount Ratio  
 y: Area Ratio

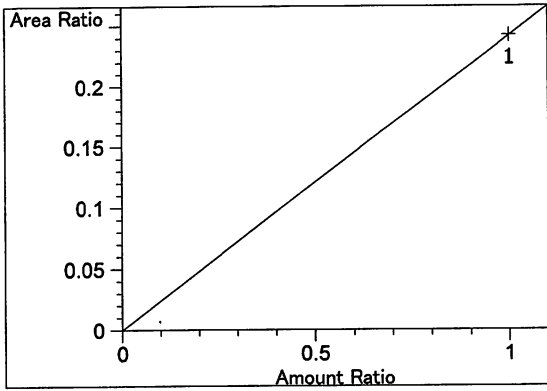


ethanol at exp. RT: 3.073  
 FID1 A, Front Signal  
 Correlation: 0.99998  
 Residual Std. Dev.: 0.00374  
 Formula:  $y = mx$   
 m: 2.15198  
 x: Amount Ratio  
 y: Area Ratio

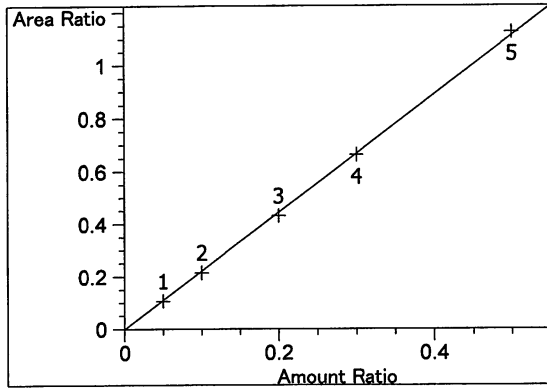


methanol at exp. RT: 3.388  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 1.04668e-1  
 x: Amount Ratio  
 y: Area Ratio

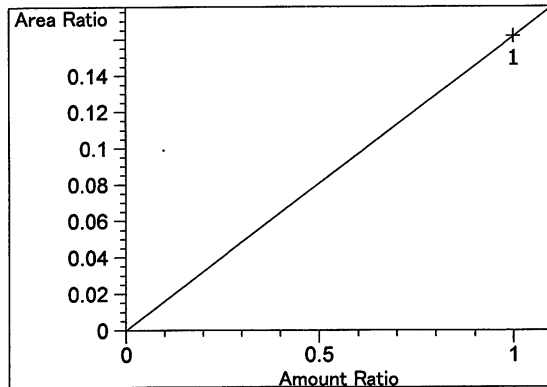
JK



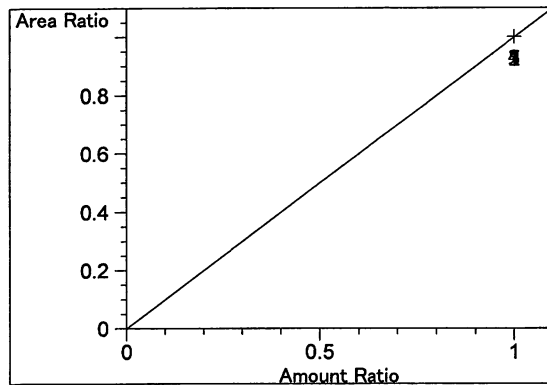
isopropyl alcohol at exp. RT: 3.628  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 2.41947e-1  
 x: Amount Ratio  
 y: Area Ratio



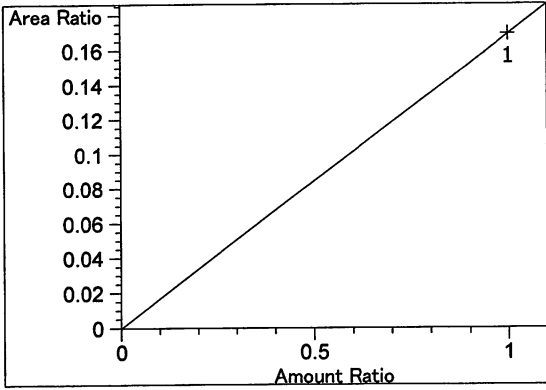
ethanol at exp. RT: 4.285  
 FID2 B, Back Signal  
 Correlation: 0.99987  
 Residual Std. Dev.: 0.01127  
 Formula:  $y = mx$   
 m: 2.22955  
 x: Amount Ratio  
 y: Area Ratio



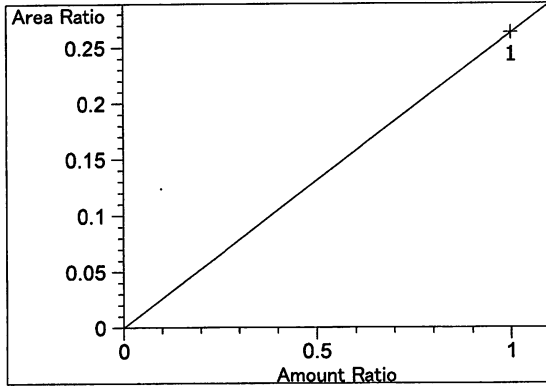
acetone at exp. RT: 4.308  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 1.61606e-1  
 x: Amount Ratio  
 y: Area Ratio



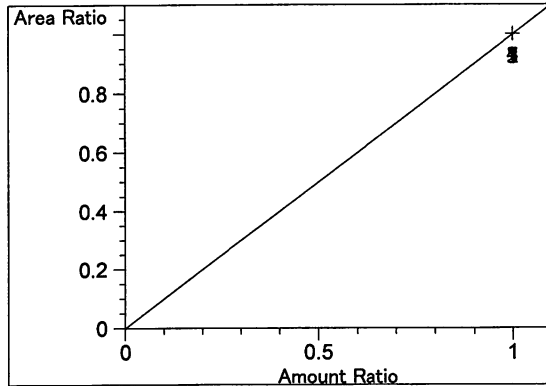
n-propanol at exp. RT: 4.617  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 1.00000  
 x: Amount Ratio  
 y: Area Ratio



acetone at exp. RT: 4.661  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 1.69336e-1  
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:  $y = mx$   
m: 2.63017e-1  
x: Amount Ratio  
y: Area Ratio



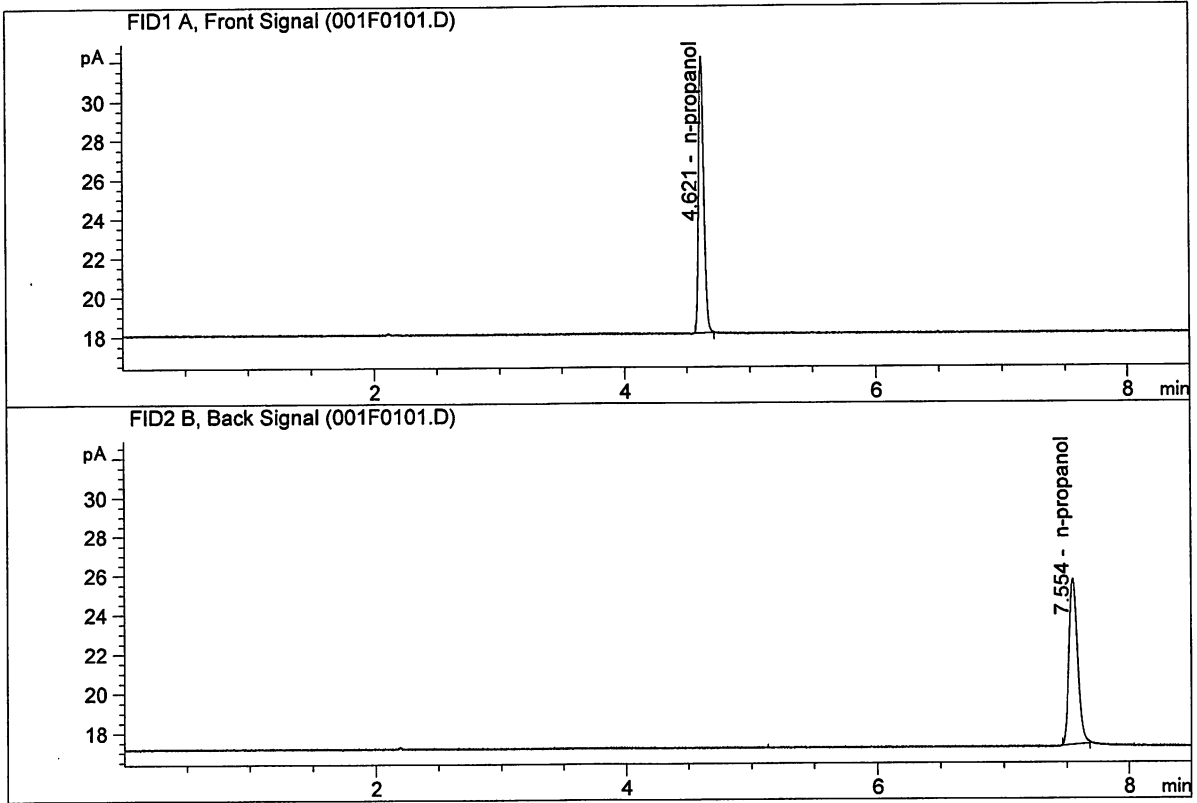
n-propanol at exp. RT: 7.549  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 1.00000  
x: Amount Ratio  
y: Area Ratio

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ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

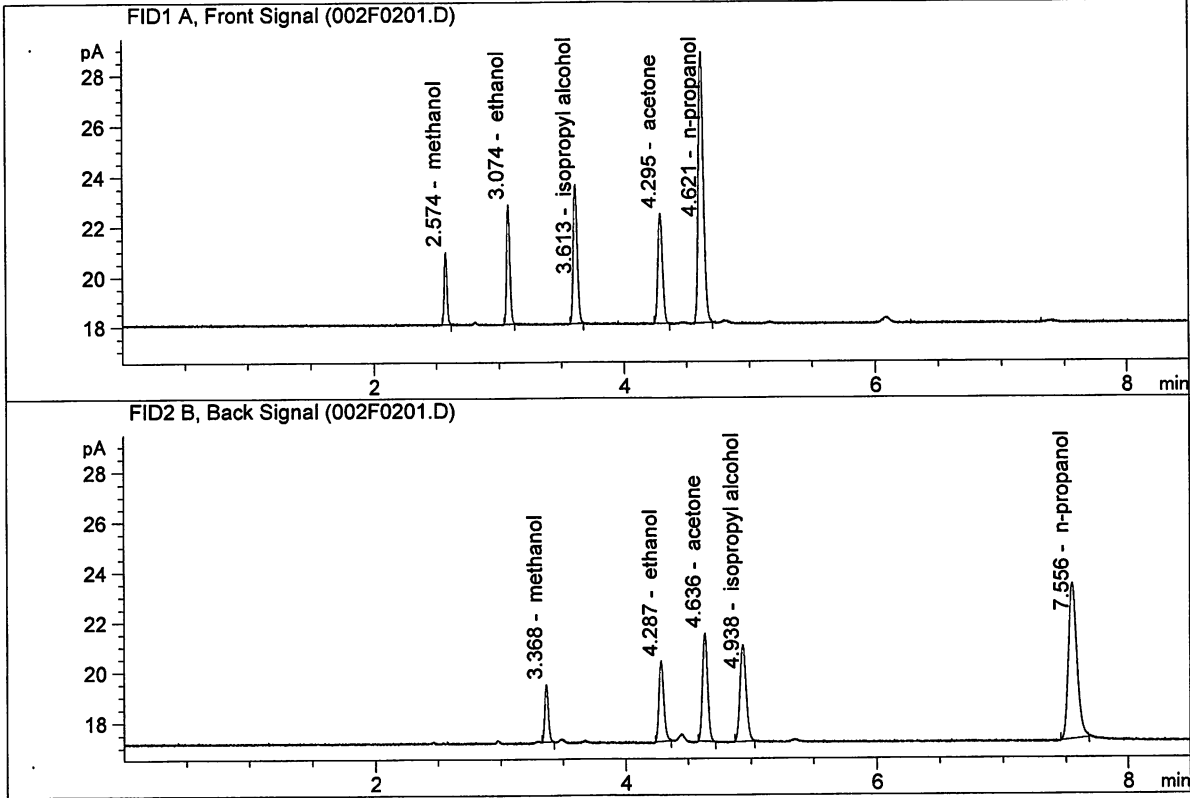


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.15112	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.52064	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN09231404  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.52117	0.1302	g/100cc
2.	Ethanol	Column 2:	8.52961	0.1266	g/100cc
3.	n-Propanol	Column 1:	30.41308	1.0000	g/100cc
4.	n-Propanol	Column 2:	30.21076	1.0000	g/100cc



## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 07 Sep 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0759	0.0727	0.0032	0.0743	0.0741	
(g/100cc)	0.0754	0.0725	0.0029	0.0739		

**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
0.074	0.070	0.078	0.004

	<b>Reported Result</b>  0.074	
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*Calibration and control data are stored centrally.*

Issued: 12/30/2016

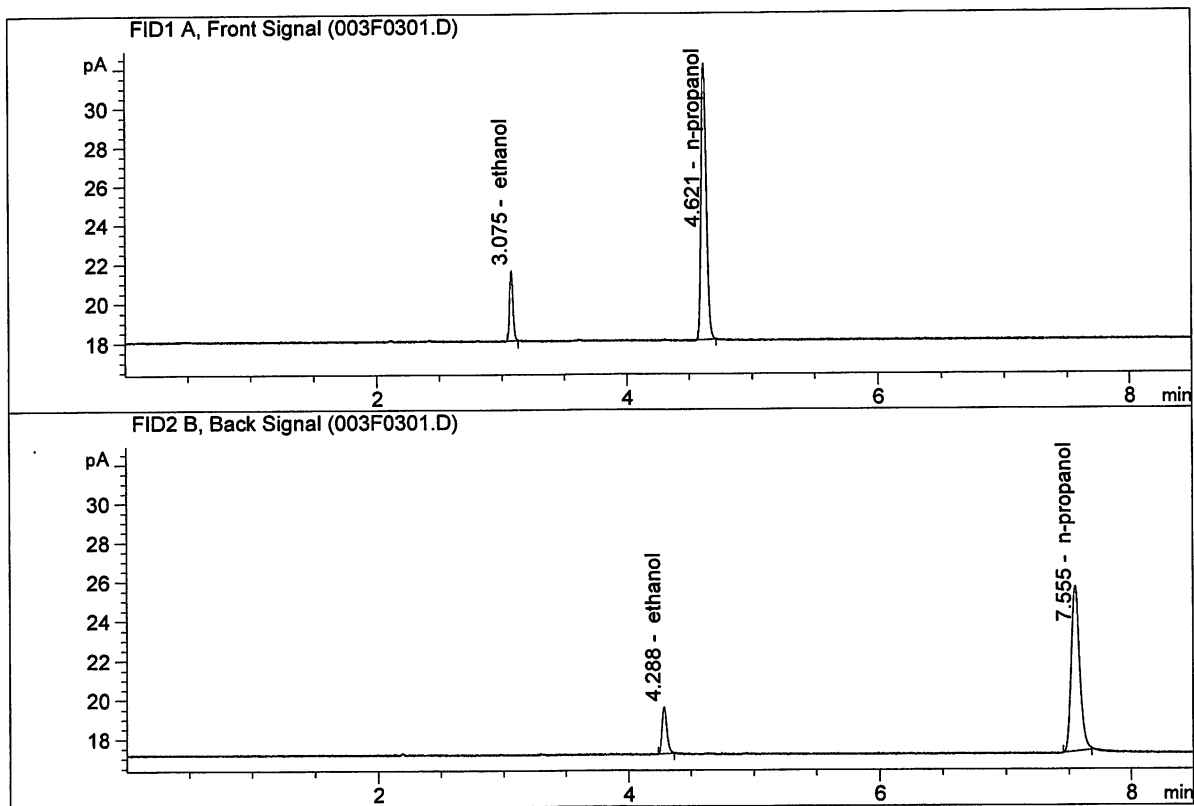
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

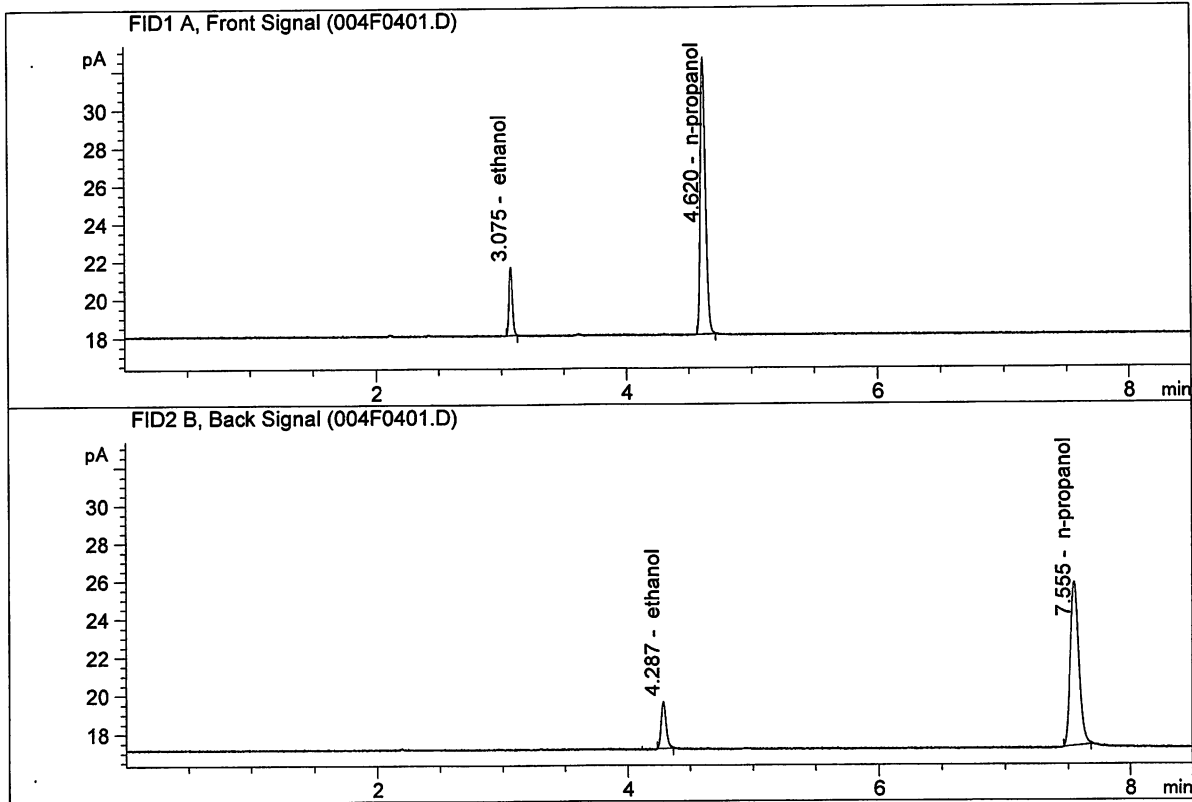


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.57061	0.0759	g/100cc
2.	Ethanol	Column 2:	6.54140	0.0727	g/100cc
3.	n-Propanol	Column 1:	40.25362	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.34761	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.69092	0.0754	g/100cc
2.	Ethanol	Column 2:	6.66504	0.0725	g/100cc
3.	n-Propanol	Column 1:	41.24071	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.22916	1.0000	g/100cc

## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510

Analysis Date(s): 07 Sep 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0793	0.0761	0.0032	0.0777	0.0774	
(g/100cc)	0.0794	0.0749	0.0045	0.0771		

### 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
0.077	0.073	0.081	0.004

	Reported Result	
	0.077	

*Calibration and control data are stored centrally.*

Issued: 12/30/2016

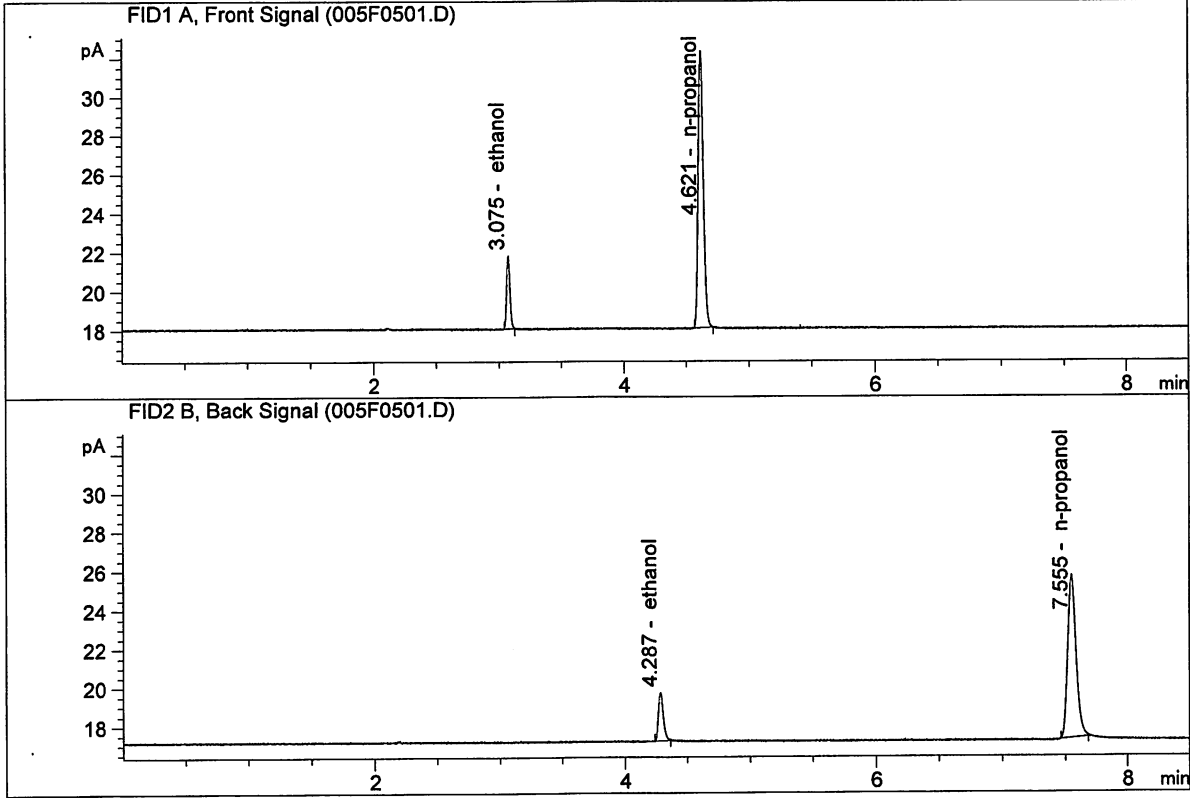
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

JC

ISP Forensic Services Blood Alcohol Report

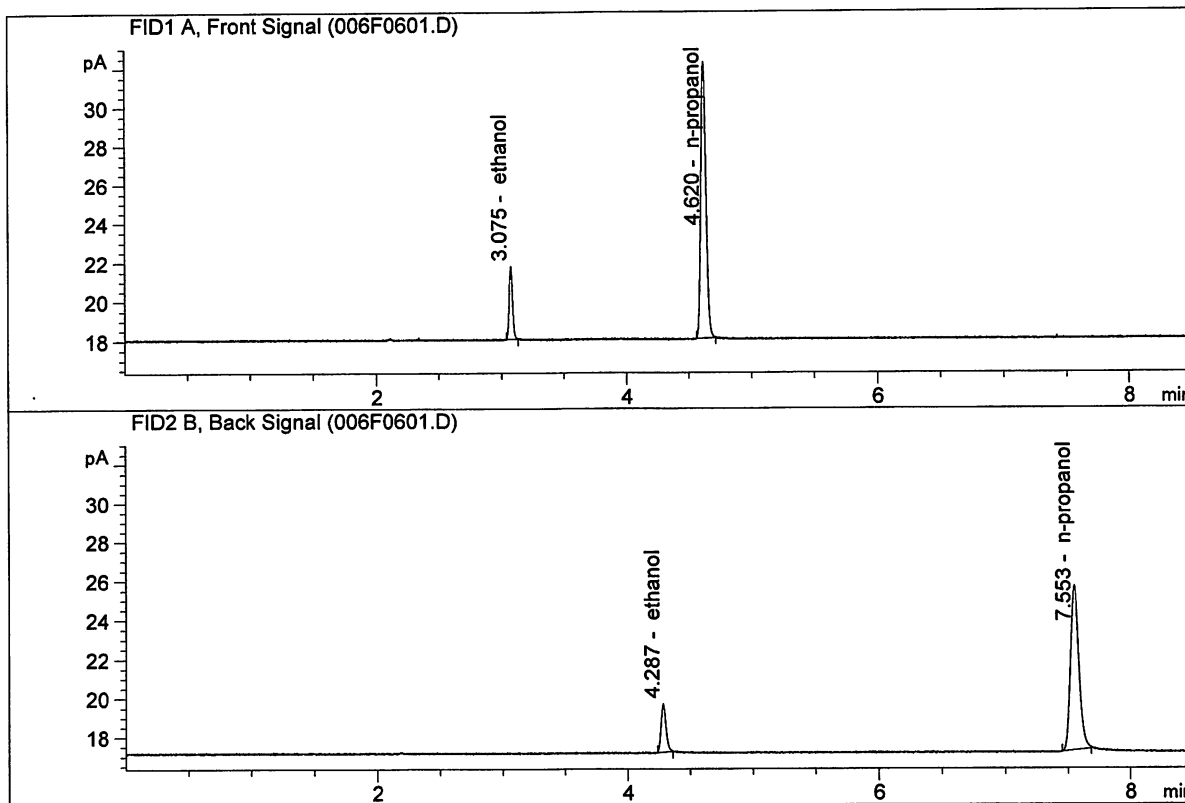
Sample Name : 0.08 FN10281510-A  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.94081	0.0793	g/100cc
2.	Ethanol	Column 2:	6.90432	0.0761	g/100cc
3.	n-Propanol	Column 1:	40.69514	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.66628	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.91104	0.0794	g/100cc
2.	Ethanol	Column 2:	6.79360	0.0749	g/100cc
3.	n-Propanol	Column 1:	40.44800	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.68218	1.0000	g/100cc

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# VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 07 Sep 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1989	0.1969	0.0020	0.1979	0.1979	
(g/100cc)	0.1999	0.1959	0.0040	0.1979		

**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
0.197	0.187	0.207	0.010

	<b>Reported Result</b>	
	0.197	

*Calibration and control data are stored centrally.*

Issued: 12/30/2016

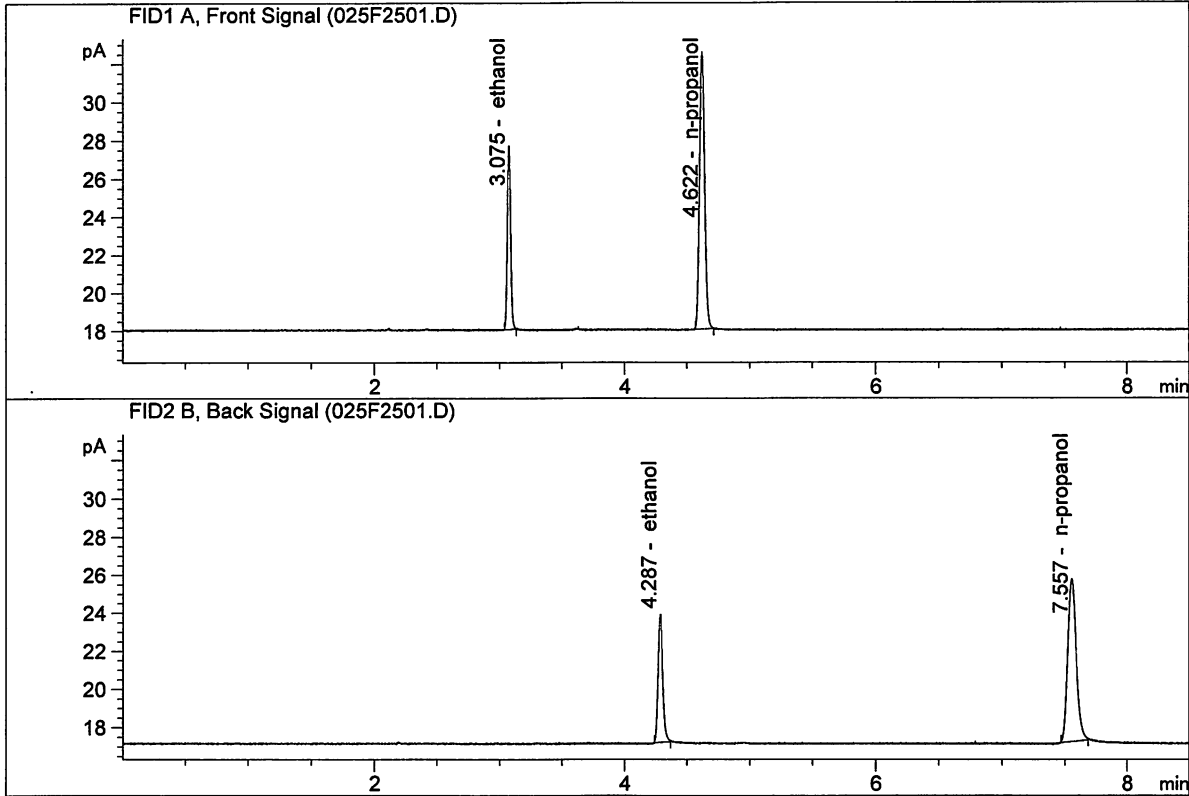
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



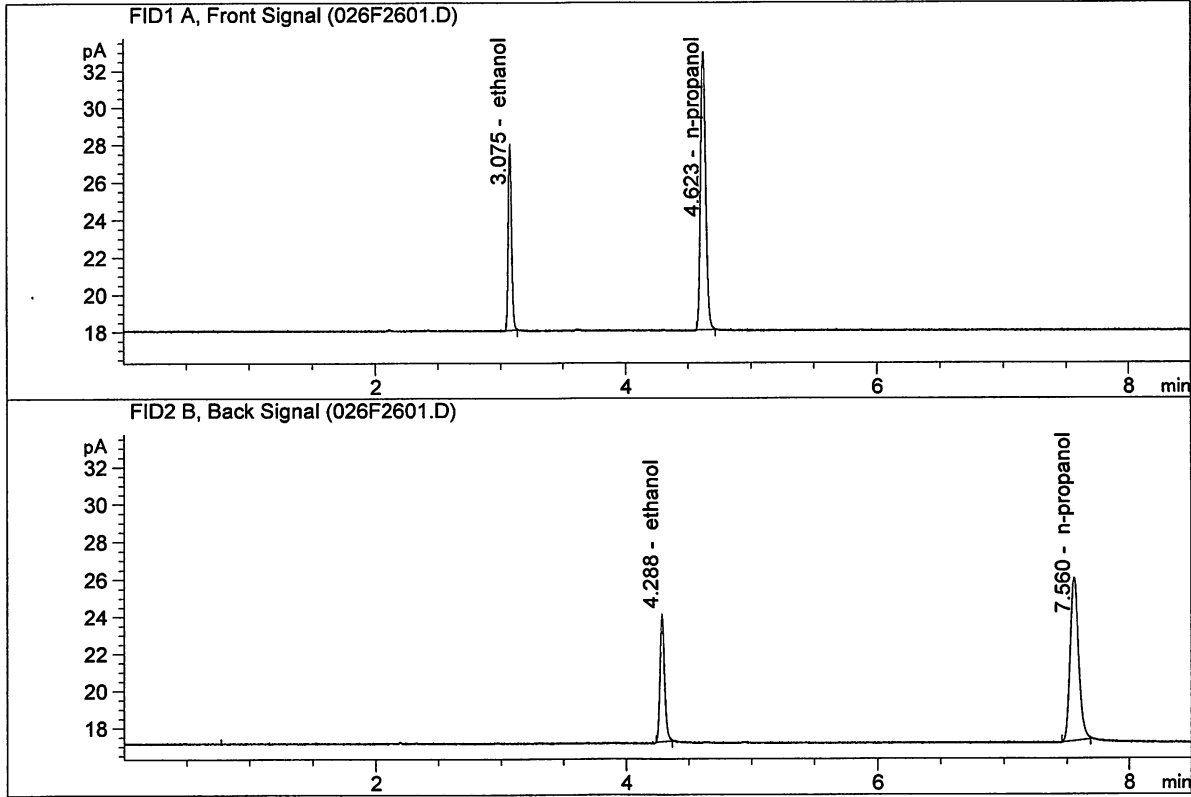
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.67728	0.1989	g/100cc
2.	Ethanol	Column 2:	18.10647	0.1969	g/100cc
3.	n-Propanol	Column 1:	41.29766	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.23868	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.24769	0.1999	g/100cc
2.	Ethanol	Column 2:	18.64811	0.1959	g/100cc
3.	n-Propanol	Column 1:	42.41179	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.68557	1.0000	g/100cc

## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 07 Sep 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0778	0.0755	0.0023	0.0766	0.0768	
(g/100cc)	0.0786	0.0754	0.0032	0.0770		

### 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
0.076	0.072	0.080	0.004

	<b>Reported Result</b>	
	0.076	

*Calibration and control data are stored centrally.*

Issued: 12/30/2016

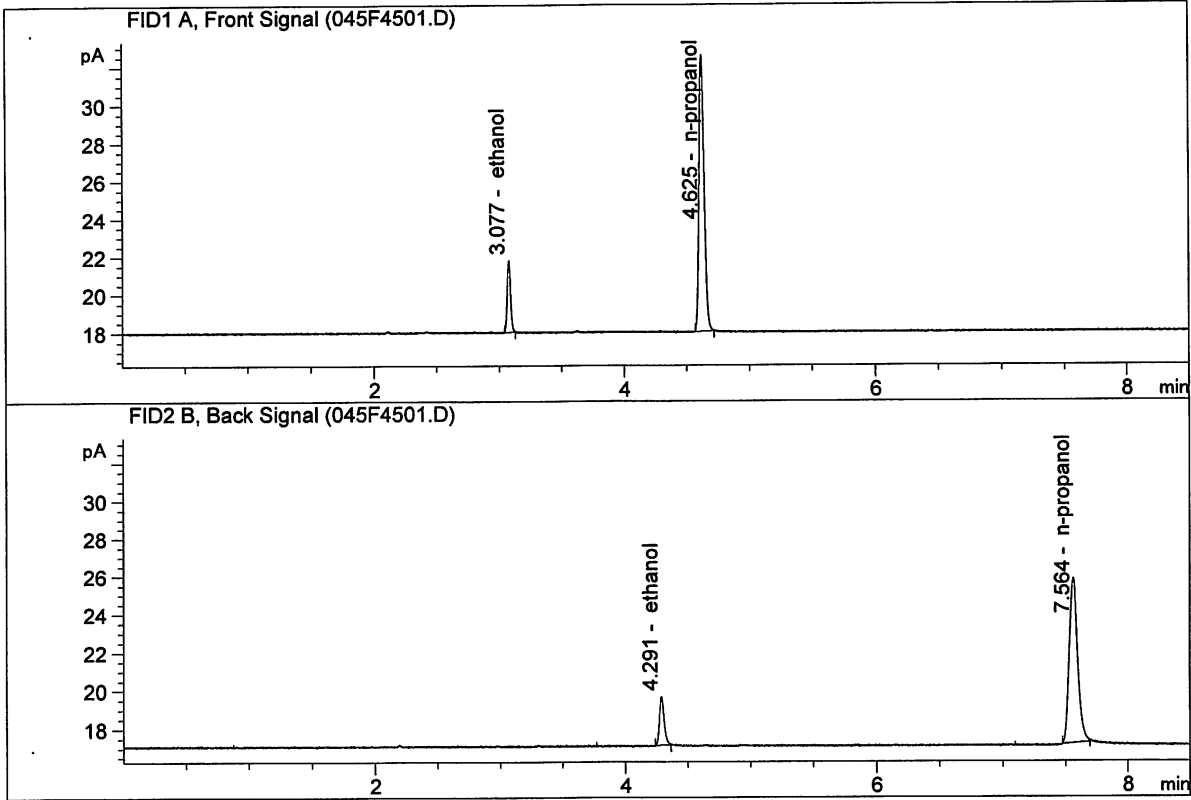
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

JG

ISP Forensic Services Blood Alcohol Report

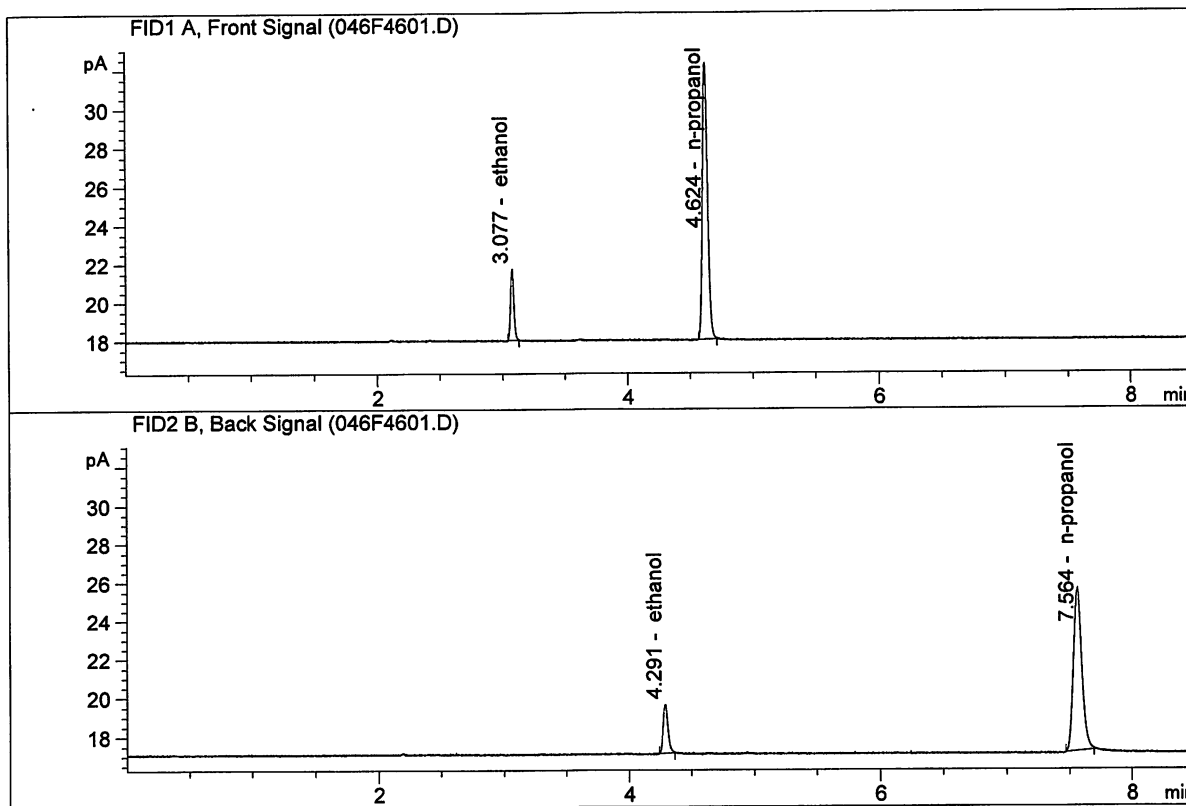
Sample Name : QC1-2-A  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.94056	0.0778	g/100cc
2.	Ethanol	Column 2:	6.98862	0.0755	g/100cc
3.	n-Propanol	Column 1:	41.48137	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.49691	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

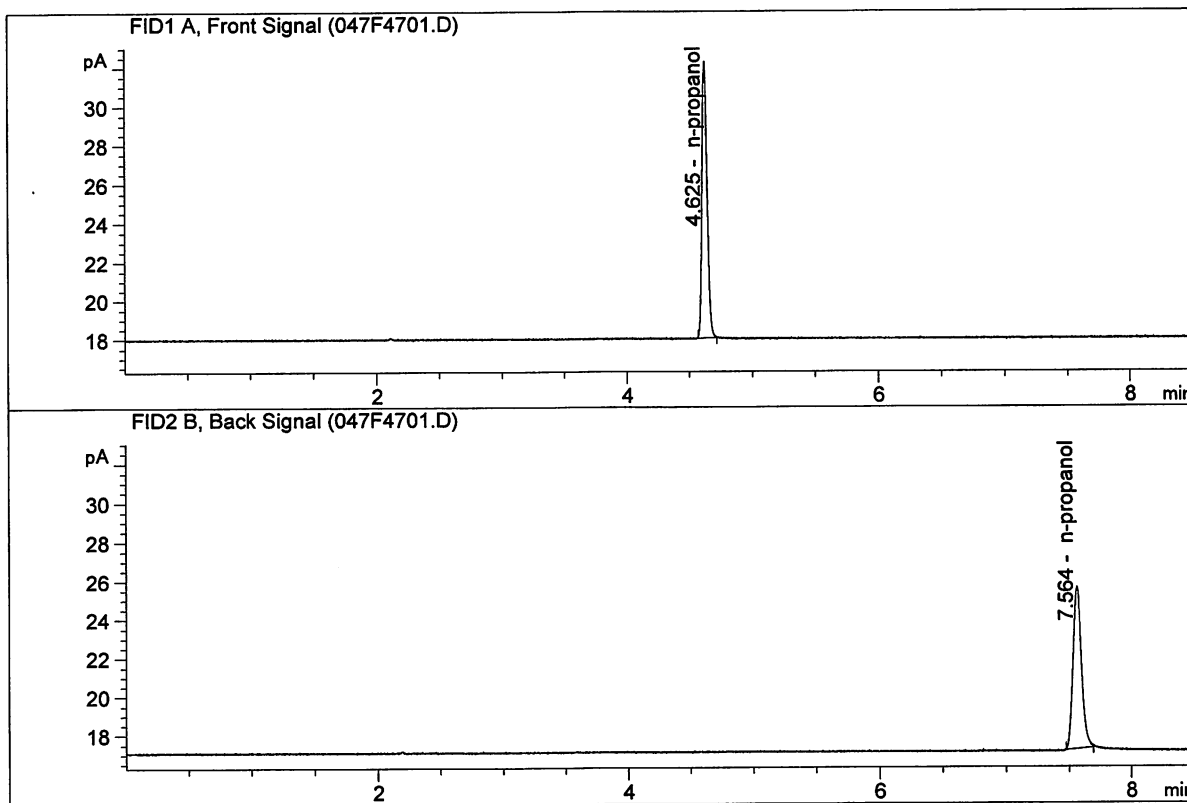


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.87982	0.0786	g/100cc
2.	Ethanol	Column 2:	6.85589	0.0754	g/100cc
3.	n-Propanol	Column 1:	40.66800	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.79170	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK  
 Laboratory : Meridian  
 Injection Date : Sep 7, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.62691	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.69656	1.0000	g/100cc

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

Sequence table: C:\Chem32\1\Data\09-07-17\_SAMPLES\09-07-17\_SAMPLES 2017-09-07 14-05-25\09-07-17\_SAMPLES.S  
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 Logbook: C:\Chem32\1\Data\09-07-17\_SAMPLES\09-07-17\_SAMPLES 2017-09-07 14-05-25\09-07-17\_SAMPLES.LOG  
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Method file name: C:\Chem32\1\Data\09-07-17\_SAMPLES\09-07-17\_SAMPLES 2017-09-07 14-05-25  
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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	<del>M2017-3703-1-A</del> <i>M2017-3703-1-A</i>	-	1.0000	007F0701.D		6
8	8	1	<del>M2017-3703-1-B</del> <i>M2017-3703-1-B</i>	-	1.0000	008F0801.D		6
9	9	1	M2017-3869-1-A	-	1.0000	009F0901.D		6
10	10	1	M2017-3869-1-B	-	1.0000	010F1001.D		6
11	11	1	M2017-3886-1-A	-	1.0000	011F1101.D		6
12	12	1	M2017-3886-1-B	-	1.0000	012F1201.D		6
13	13	1	M2017-3887-1-A	-	1.0000	013F1301.D		2
14	14	1	M2017-3887-1-B	-	1.0000	014F1401.D		2
15	15	1	M2017-3896-1-A	-	1.0000	015F1501.D		2
16	16	1	M2017-3896-1-B	-	1.0000	016F1601.D		2
17	17	1	M2017-3898-1-A	-	1.0000	017F1701.D		6
18	18	1	M2017-3898-1-B	-	1.0000	018F1801.D		6
19	19	1	M2017-3901-1-A	-	1.0000	019F1901.D		6
20	20	1	M2017-3901-1-B	-	1.0000	020F2001.D		6
21	21	1	M2017-3902-1-A	-	1.0000	021F2101.D		5
22	22	1	M2017-3902-1-B	-	1.0000	022F2201.D		6
23	23	1	M2017-3906-1-A	-	1.0000	023F2301.D		6
24	24	1	M2017-3906-1-B	-	1.0000	024F2401.D		6
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	M2017-3907-1-A	-	1.0000	027F2701.D		6
28	28	1	M2017-3907-1-B	-	1.0000	028F2801.D		6
29	29	1	M2017-3943-1-A	-	1.0000	029F2901.D		2
30	30	1	M2017-3943-1-B	-	1.0000	030F3001.D		2
31	31	1	M2017-4004-1-A	-	1.0000	031F3101.D		5
32	32	1	M2017-4004-1-B	-	1.0000	032F3201.D		6
33	33	1	M2017-4005-1-A	-	1.0000	033F3301.D		2
34	34	1	M2017-4005-1-B	-	1.0000	034F3401.D		2
35	35	1	M2017-4060-1-A	-	1.0000	035F3501.D		2
36	36	1	M2017-4060-1-B	-	1.0000	036F3601.D		2
37	37	1	M2017-4061-1-A	-	1.0000	037F3701.D		2
38	38	1	M2017-4061-1-B	-	1.0000	038F3801.D		2
39	39	1	M2017-4073-1-A	-	1.0000	039F3901.D		5
40	40	1	M2017-4073-1-B	-	1.0000	040F4001.D		4
41	41	1	M2017-4074-1-A	-	1.0000	041F4101.D		6
42	42	1	M2017-4074-1-B	-	1.0000	042F4201.D		6
43	43	1	M2017-4077-1-A	-	1.0000	043F4301.D		6

*JC*

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
44	44	1	M2017-4077-1-B	-	1.0000	044F4401.D		6
45	45	1	QC1-2-A	-	1.0000	045F4501.D		4
46	46	1	QC1-2-B	-	1.0000	046F4601.D		4
47	47	1	INTERNAL STD BLK	-	1.0000	047F4701.D		2

Method file name: C:\Chem32\1\Data\09-07-17\_SAMPLES\09-07-17\_SAMPLES 2017-09-07 14-05-25  
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Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
48	48	1	EMPTY	-	1.0000	048F4801.D		0

~~New master mg JG~~

JG