

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

*Analytical Method(s): 1.0*

**Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD96BC1382/MD94AM10010**

**Volatiles Quality Assurance Controls**

**Run Date(s): 1/3/17-1/4/17**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702 - 0.0858	0.0787 g/100cc 0.0809 g/100cc g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818 - 0.2222	0.2032 g/100cc g/100cc
<b>Multi-Component mixture:</b>			<b>Lot #</b>	<b>FN09231404</b>	<b>OK</b>
<b>Curve Fit:</b>			<b>Column 1</b>	<b>Column2</b>	<b>0.99987</b>

<b>Ethanol Calibration Reference Material</b>								
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	0.0499	0.0528	0.0029	0.0513
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Jun-20	FN06181501	0.100	0.090 - 0.110	0.0995	0.1005	0.001	0.1
0.200	Mar-17	FN032712-01	0.200	0.180 - 0.220	0.2002	0.1969	0.0033	0.1985
0.300	Jun-20	FN06051501	0.300	0.270 - 0.330	0.3010	0.2972	0.0038	0.2991
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.4994	0.5025	0.0031	0.5009

<b>Aqueous Controls</b>		
Control level	Expiration	Cerilliant Lot #
0.080	Nov-20	FN10281510

Target Value	Acceptable Range	Overall Results
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.

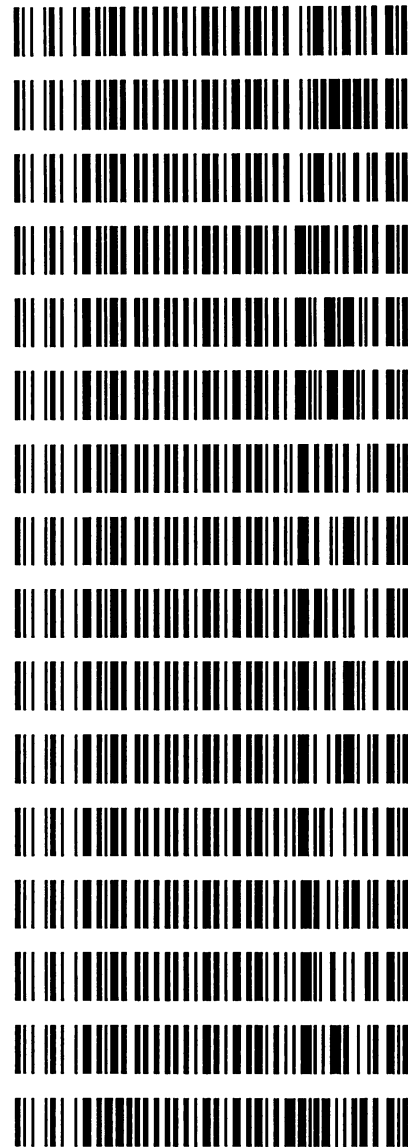
Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

*NB*

**Worklist: 1452**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2016-4088	4	72674	Alcohol Analysis
M2016-5032	2	72682	Alcohol Analysis
M2016-5151	2	72678	Alcohol Analysis
M2016-5311	1	73008	Alcohol Analysis
M2016-5312	1	73041	Alcohol Analysis
M2016-5313	1	73042	Alcohol Analysis
M2016-5315	1	73054	Alcohol Analysis
M2016-5333	1	73090	Alcohol Analysis
M2016-5341	1	73118	Alcohol Analysis
M2016-5346	1	73163	Alcohol Analysis
M2016-5350	1	73183	Alcohol Analysis
M2016-5351	1	73187	Alcohol Analysis
M2016-5360	1	73280	Alcohol Analysis
M2016-5361	1	73281	Alcohol Analysis
M2017-0001	1	73354	Alcohol Analysis
P2016-2934	1	73421	Alcohol Analysis



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Calibration Table  
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General Calibration Setting  
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Calib. Data Modified : Tuesday, January 03, 2017 2:37:18 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

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Signal Details  
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Signal 1: FID1 A, Front Signal  
Signal 2: FID2 B, Back Signal  
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Overview Table  
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NB

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
3.073	1	1	5.00000e-2	4.24139	1.17886e-2	No	No 1	ethanol
		2	1.00000e-1	8.74127	1.14400e-2			
		3	2.00000e-1	17.34260	1.15323e-2			
		4	3.00000e-1	26.02567	1.15271e-2			
		5	5.00000e-1	43.65803	1.14526e-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	4.09328	1.22151e-2	No	No 2	ethanol
		2	1.00000e-1	8.61724	1.16046e-2			
		3	2.00000e-1	17.37112	1.15134e-2			
		4	3.00000e-1	26.56046	1.12950e-2			
		5	5.00000e-1	45.38791	1.10161e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.617	1	1	1.00000	41.79980	2.39236e-2	No	Yes 1	n-propanol
		2	1.00000	43.08422	2.32104e-2			
		3	1.00000	42.41210	2.35782e-2			
		4	1.00000	42.30431	2.36383e-2			
		5	1.00000	42.75137	2.33911e-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	41.99347	2.38132e-2	No	Yes 2	n-propanol
		2	1.00000	42.52881	2.35135e-2			
		3	1.00000	41.83028	2.39061e-2			
		4	1.00000	41.73934	2.39582e-2			
		5	1.00000	41.66599	2.40004e-2			

Peak Sum Table

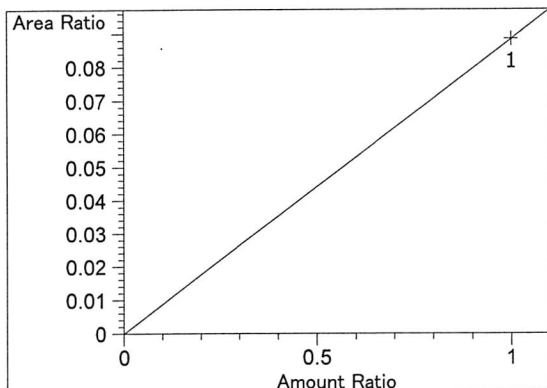
\*\*\*No Entries in table\*\*\*

41 Warnings or Errors (10 first messages follow) :

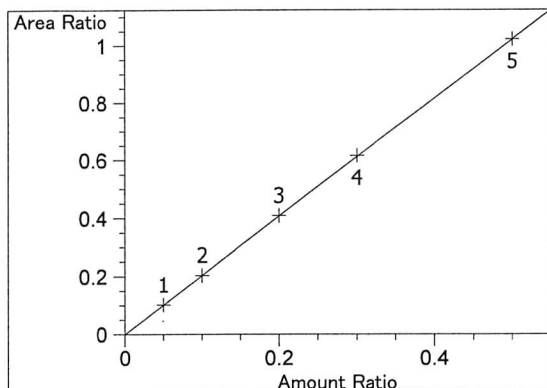
- Warning : Curve requires more calibration points., (methanol)
- Warning : Curve requires more calibration points. at 2.586 min, signal 1
- Warning : Curve requires more calibration points. at 3.388 min, signal 2
- Warning : Curve requires more calibration points. at 3.628 min, signal 1
- Warning : Curve requires more calibration points. at 4.308 min, signal 1
- Warning : Curve requires more calibration points. at 4.617 min, signal 1
- Warning : Curve requires more calibration points. at 4.661 min, signal 2
- Warning : Curve requires more calibration points. at 4.969 min, signal 2
- Warning : Curve requires more calibration points. at 7.549 min, signal 2
- Warning : Curve requires more calibration points. at 2.586 min, signal 1

NB

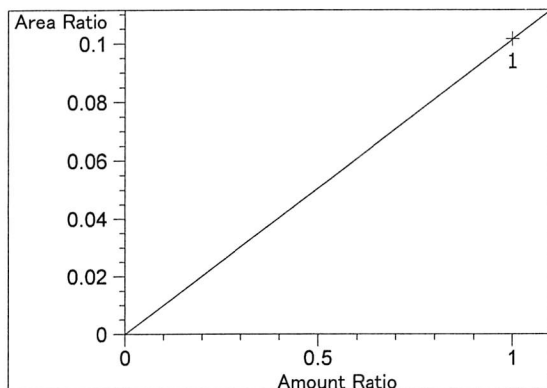
=====  
 Calibration Curves  
 =====



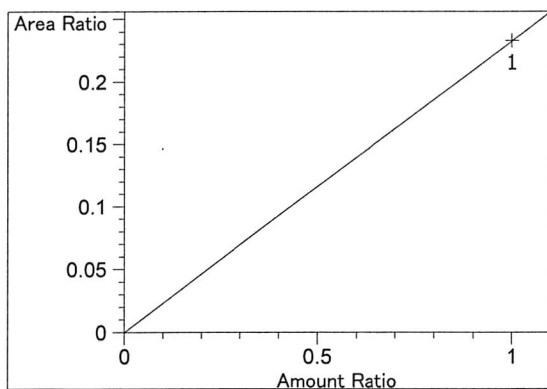
methanol at exp. RT: 2.586  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx + b$   
 m: 8.84381e-2  
 b: 0.00000  
 x: Amount Ratio  
 y: Area Ratio



ethanol at exp. RT: 3.073  
 FID1 A, Front Signal  
 Correlation: 0.99999  
 Residual Std. Dev.: 0.00151  
 Formula:  $y = mx + b$   
 m: 2.04596  
 b: -6.36612e-4  
 x: Amount Ratio  
 y: Area Ratio

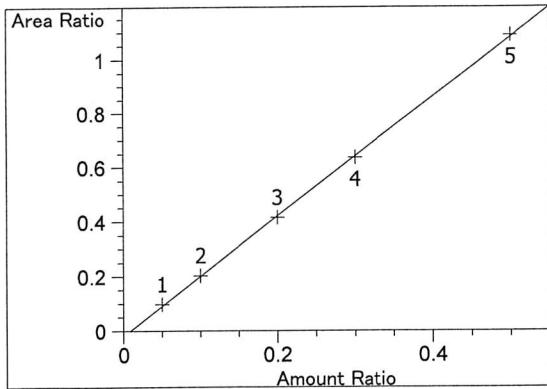


methanol at exp. RT: 3.388  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx + b$   
 m: 1.01459e-1  
 b: 0.00000  
 x: Amount Ratio  
 y: Area Ratio

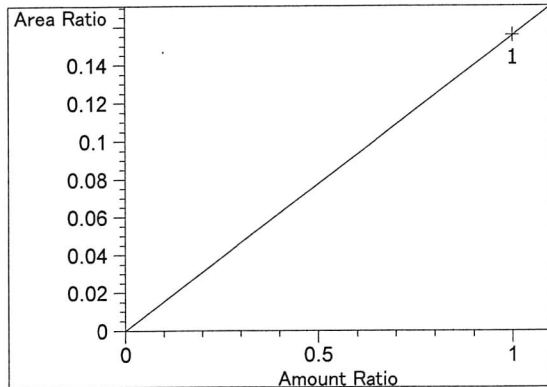


isopropyl alcohol at exp. RT: 3.628  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx + b$   
 m: 2.32789e-1  
 b: 0.00000  
 x: Amount Ratio  
 y: Area Ratio

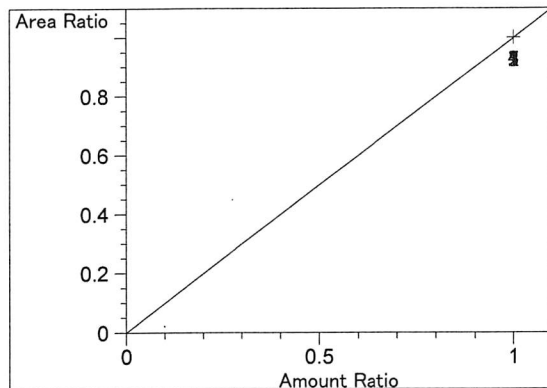
NB



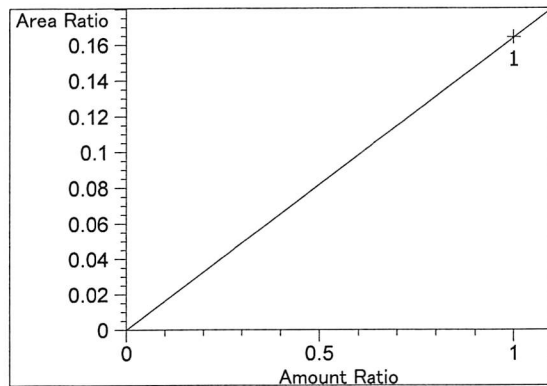
ethanol at exp. RT: 4.285  
 FID2 B, Back Signal  
 Correlation: 0.99987  
 Residual Std. Dev.: 0.00723  
 Formula:  $y = mx + b$   
 m: 2.20561  
 b: -1.90819e-2  
 x: Amount Ratio  
 y: Area Ratio



acetone at exp. RT: 4.308  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx + b$   
 m: 1.55489e-1  
 b: 0.00000  
 x: Amount Ratio  
 y: Area Ratio

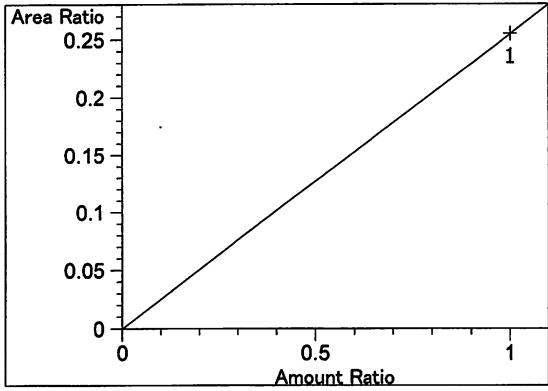


n-propanol at exp. RT: 4.617  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx + b$   
 m: 1.00000  
 b: 0.00000  
 x: Amount Ratio  
 y: Area Ratio

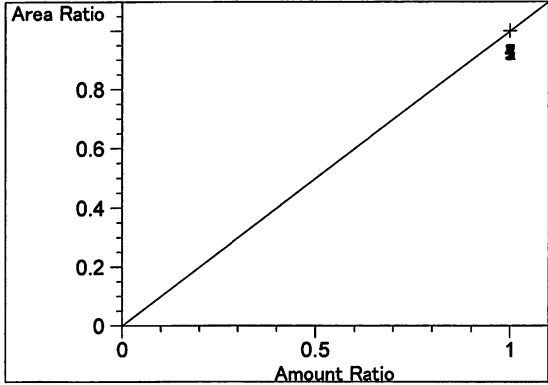


acetone at exp. RT: 4.661  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx + b$   
 m: 1.64145e-1  
 b: 0.00000  
 x: Amount Ratio  
 y: Area Ratio

NB



isopropyl alcohol at exp. RT: 4.969  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx + b$   
m: 2.54954e-1  
b: 0.00000  
x: Amount Ratio  
y: Area Ratio



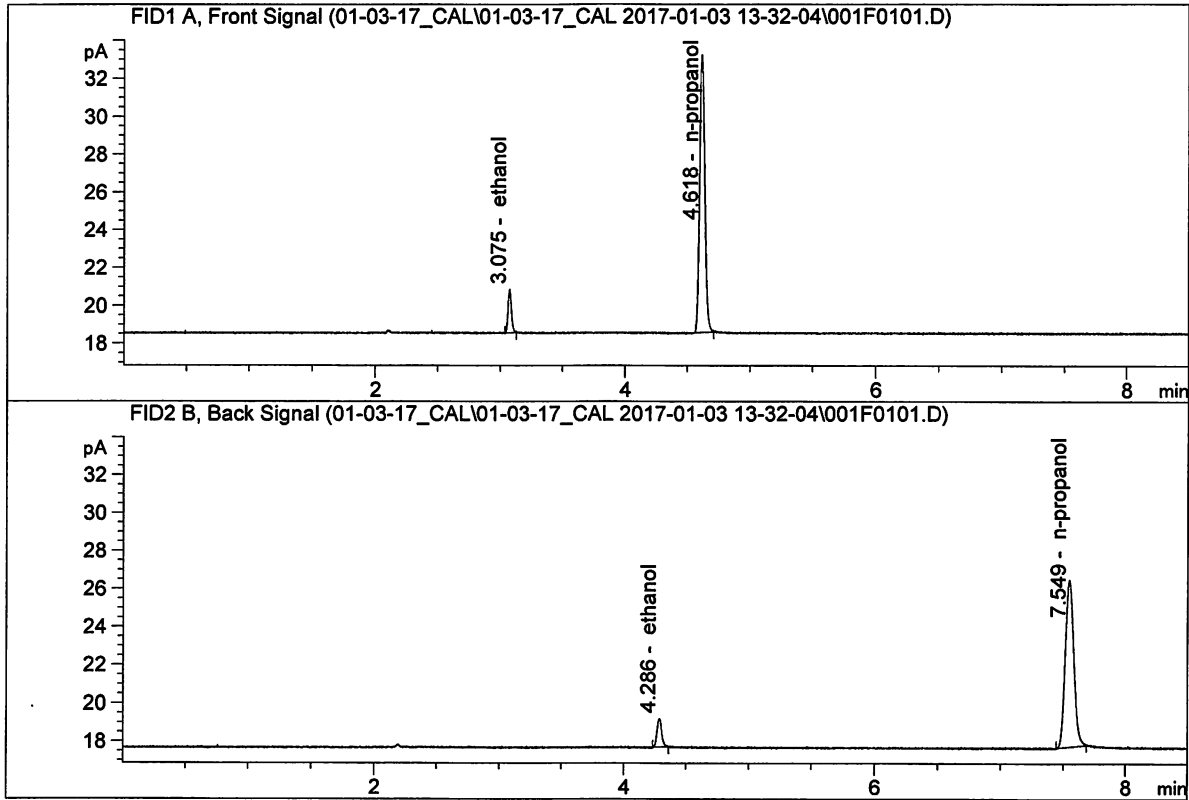
n-propanol at exp. RT: 7.549  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx + b$   
m: 1.00000  
b: 0.00000  
x: Amount Ratio  
y: Area Ratio

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NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



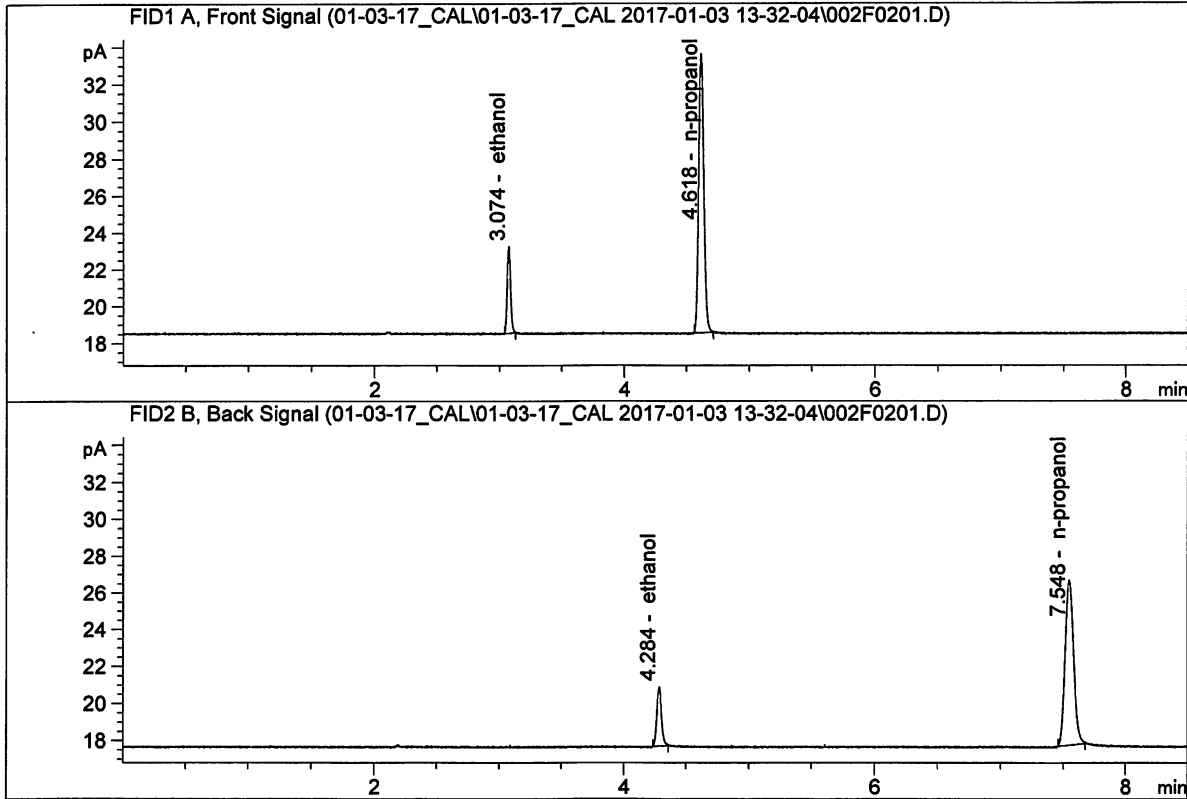
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.24139	0.0499	g/100cc
2.	Ethanol	Column 2:	4.09328	0.0528	g/100cc
3.	n-Propanol	Column 1:	41.79980	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.99347	1.0000	g/100cc

NB



ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN06181501  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

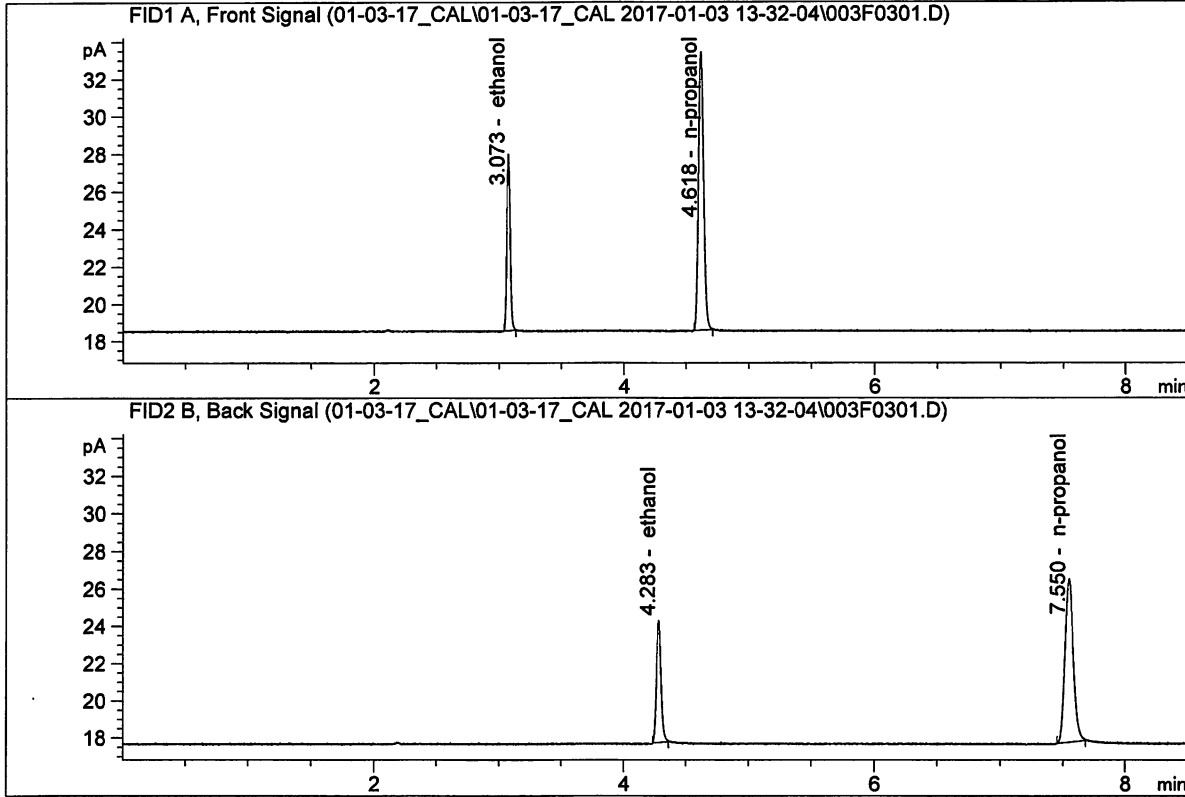


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.74127	0.0995	g/100cc
2.	Ethanol	Column 2:	8.61724	0.1005	g/100cc
3.	n-Propanol	Column 1:	43.08422	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.52881	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN032712-01  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

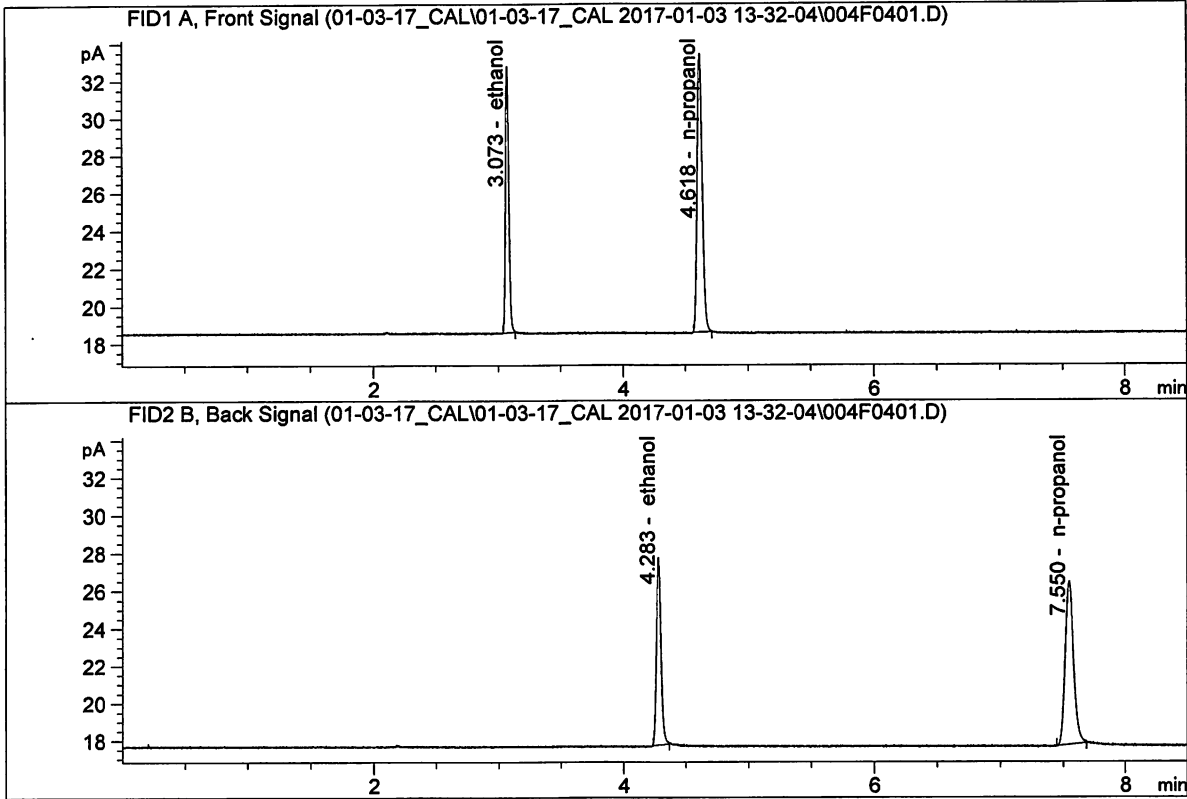


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.34260	0.2002	g/100cc
2.	Ethanol	Column 2:	17.37112	0.1969	g/100cc
3.	n-Propanol	Column 1:	42.41210	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.83028	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN06051501  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

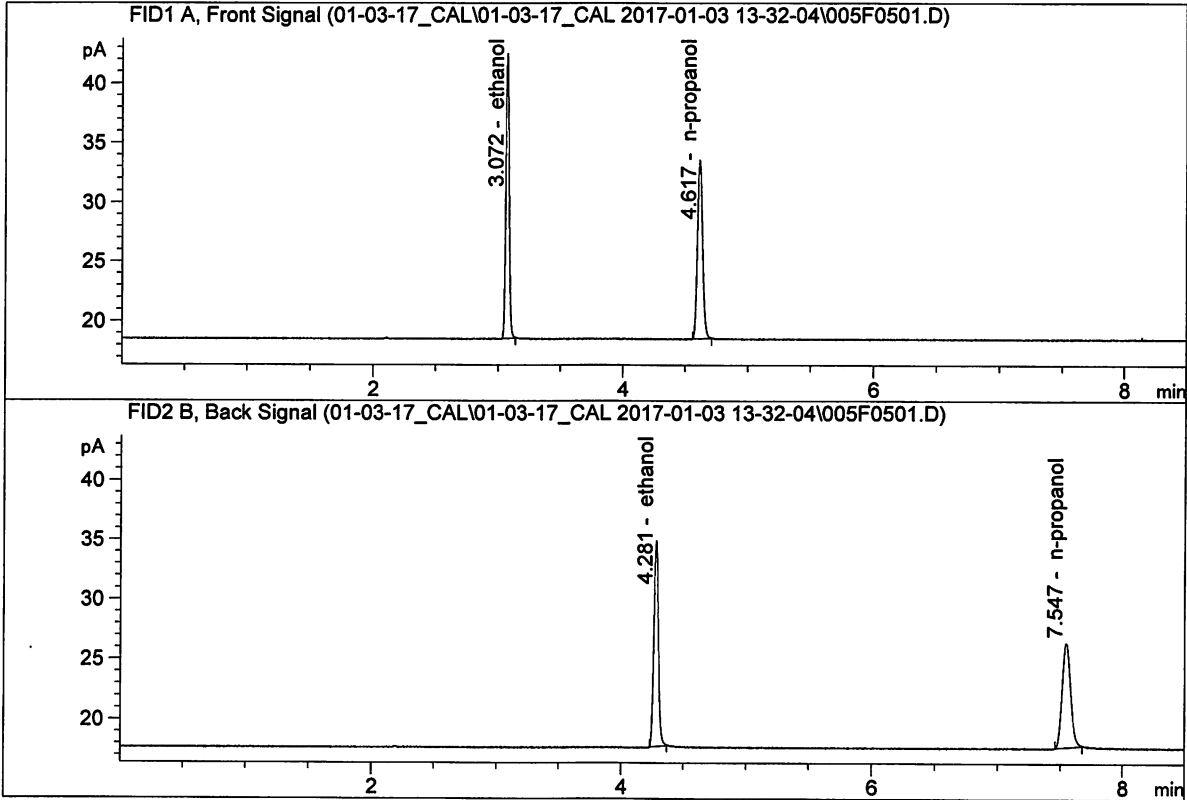


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.02567	0.3010	g/100cc
2.	Ethanol	Column 2:	26.56046	0.2972	g/100cc
3.	n-Propanol	Column 1:	42.30431	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.73934	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

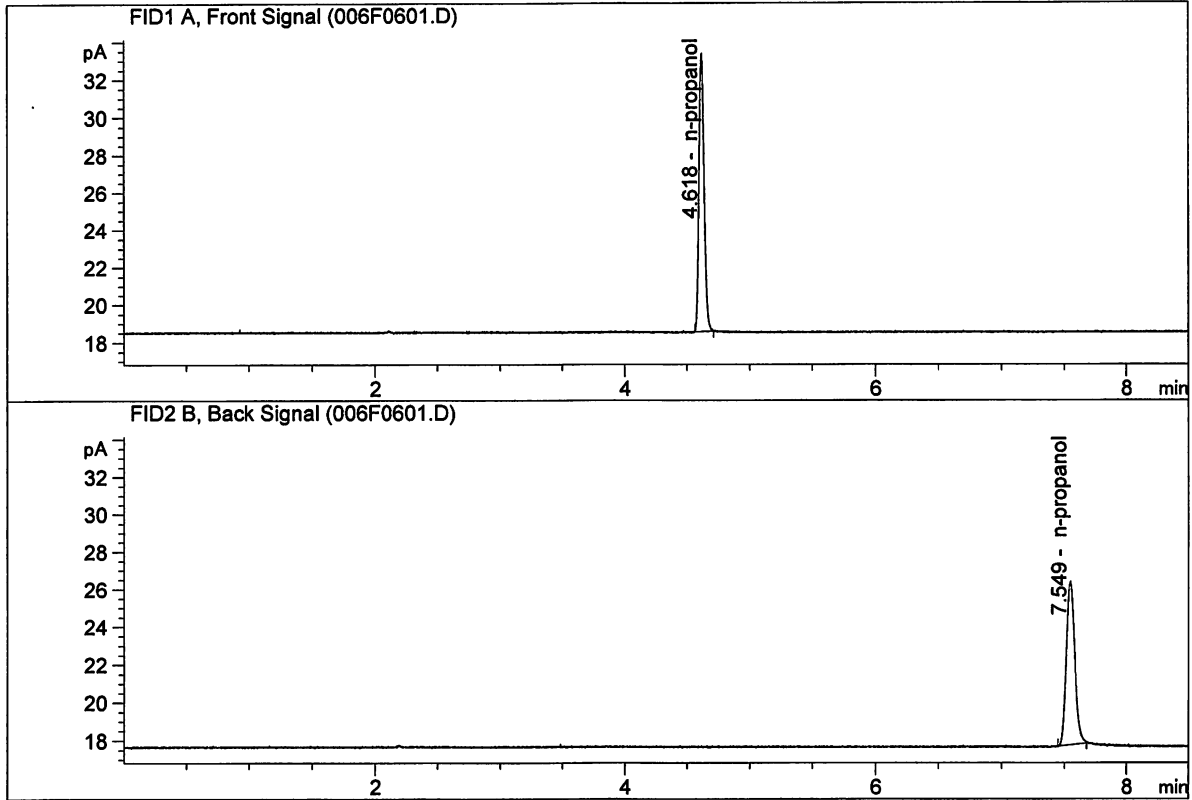


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.65803	0.4994	g/100cc
2.	Ethanol	Column 2:	45.38791	0.5025	g/100cc
3.	n-Propanol	Column 1:	42.75137	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.66599	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK  
 Laboratory : Meridian  
 Injection Date : Jan 3, 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:	42.11657	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.36979	1.0000	g/100cc

*MB*

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

Sequence table: C:\Chem32\1\Data\01-03-17\_CAL\01-03-17\_CAL 2017-01-03 13-32-04\01-03-17\_CAL.S  
 Data directory path: C:\Chem32\1\Data\01-03-17\_CAL\01-03-17\_CAL 2017-01-03 13-32-04\  
 Logbook: C:\Chem32\1\Data\01-03-17\_CAL\01-03-17\_CAL 2017-01-03 13-32-04\01-03-17\_CAL.LOG  
 Sequence start: 1/3/2017 1:46:41 PM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM

Method file name: C:\Chem32\1\Data\01-03-17\_CAL\01-03-17\_CAL 2017-01-03 13-32-04\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 FN032712-0	-	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

Calibration curve used as alcohol.m  
 master method

C:\Chem32\1\Methods\Alcohol.m

NB 1/3/17

NB

## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 03 Jan 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0774	0.0804	0.0030	0.0789	0.0787	
(g/100cc)	0.0774	0.0797	0.0023	0.0785		

**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

	<b>Reported Result</b>	
	0.078	

*Calibration and control data are stored centrally.*

Issued: 12/30/2016

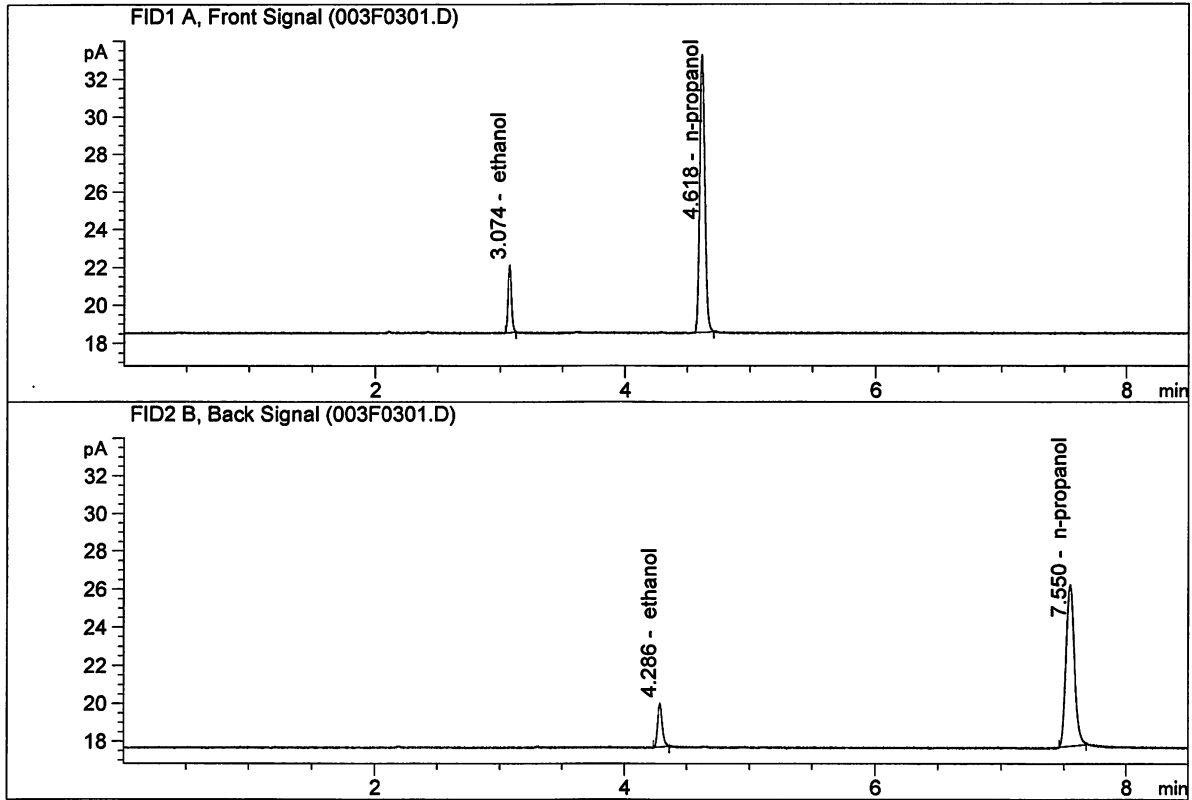
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



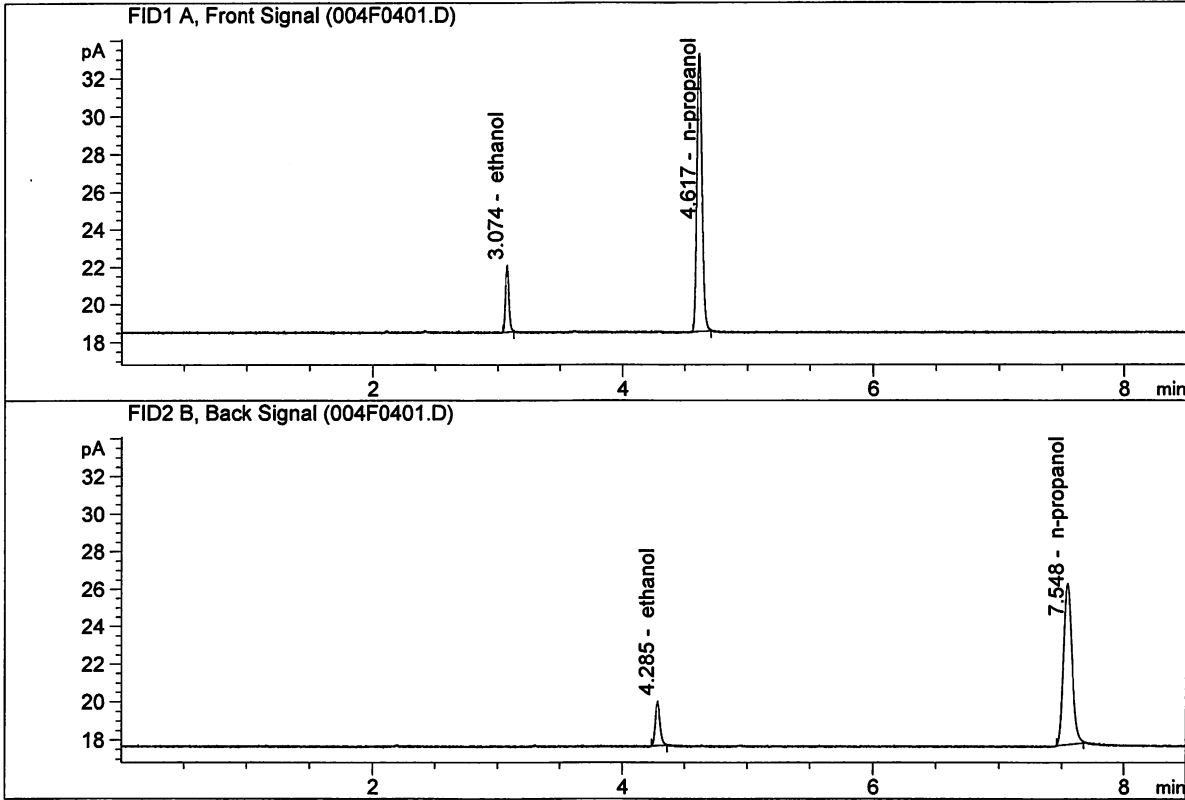
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.57289	0.0774	g/100cc
2.	Ethanol	Column 2:	6.40749	0.0804	g/100cc
3.	n-Propanol	Column 1:	41.67725	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.49821	1.0000	g/100cc

NB



ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.61885	0.0774	g/100cc
2.	Ethanol	Column 2:	6.39160	0.0797	g/100cc
3.	n-Propanol	Column 1:	41.96957	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.77618	1.0000	g/100cc

NB

# VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1-2

Analysis Date(s): 03 Jan 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0798	0.0821	0.0023	0.0809	0.0809	
(g/100cc)	0.0793	0.0824	0.0031	0.0808		

**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
<b>0.080</b>	<b>0.076</b>	<b>0.084</b>	<b>0.004</b>

	<b>Reported Result</b>	
	<b>0.080</b>	

*Calibration and control data are stored centrally.*

NB

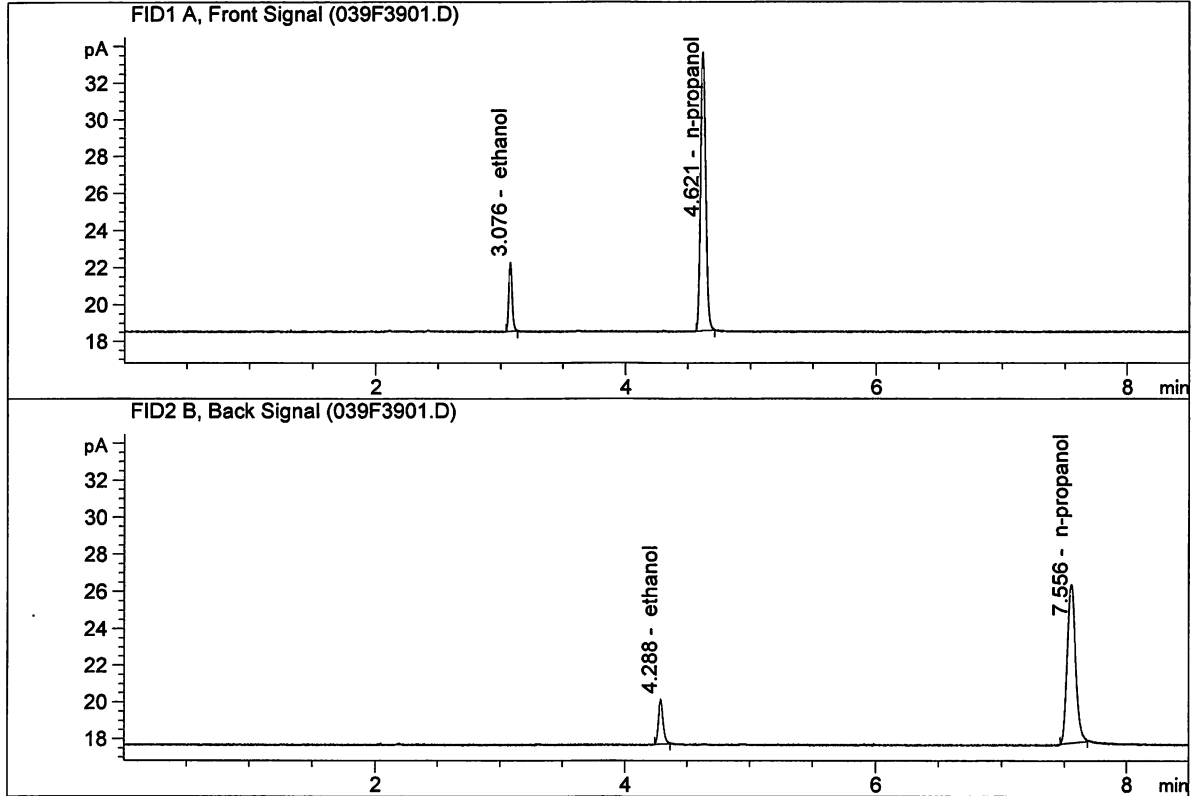
Issued: 12/30/2016

Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-2-A  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

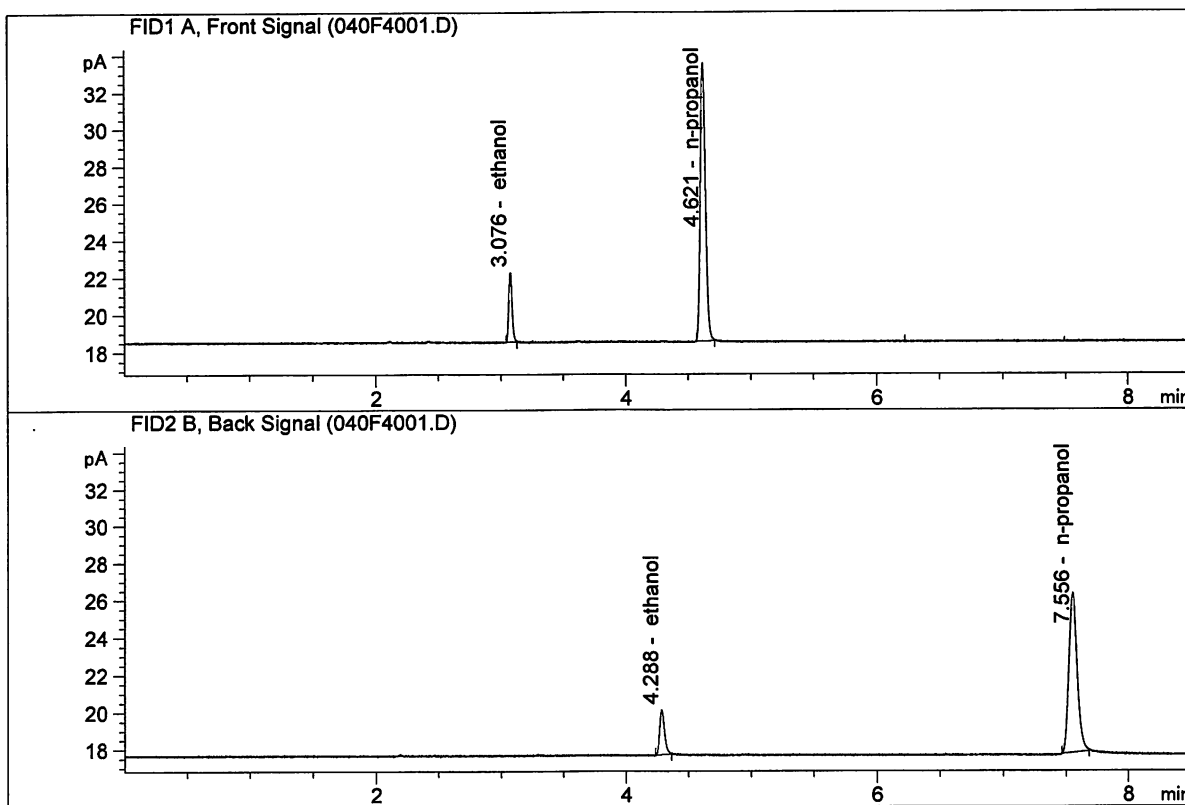


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.97341	0.0798	g/100cc
2.	Ethanol	Column 2:	6.70489	0.0821	g/100cc
3.	n-Propanol	Column 1:	42.89471	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.38461	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-2-B  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.87552	0.0793	g/100cc
2.	Ethanol	Column 2:	6.67259	0.0824	g/100cc
3.	n-Propanol	Column 1:	42.57094	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.02213	1.0000	g/100cc

NB

# VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 03 Jan 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2026	0.2018	0.0008	0.2022	0.2032	
(g/100cc)	0.2048	0.2037	0.0011	0.2042		

**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
<b>0.203</b>	<b>0.192</b>	<b>0.214</b>	<b>0.011</b>

	<b>Reported Result</b>	
	<b>0.203</b>	

*Calibration and control data are stored centrally.*



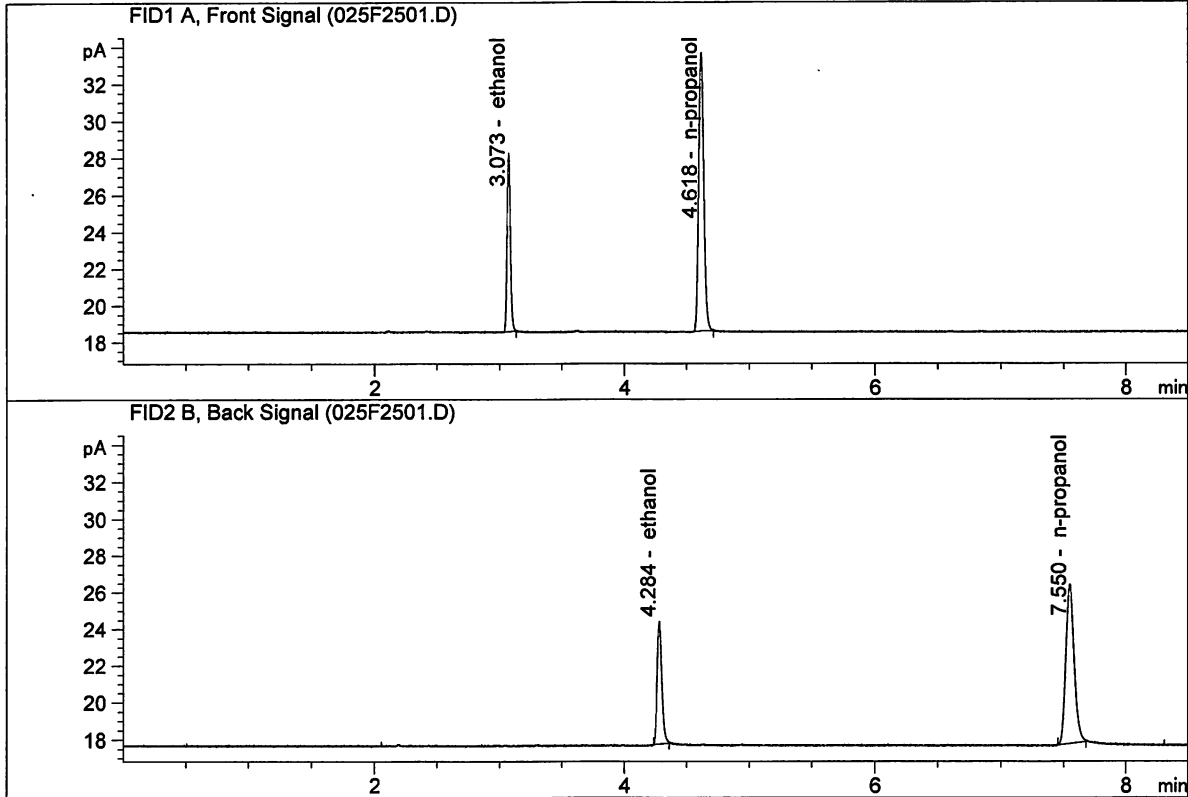
Issued: 12/30/2016

Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

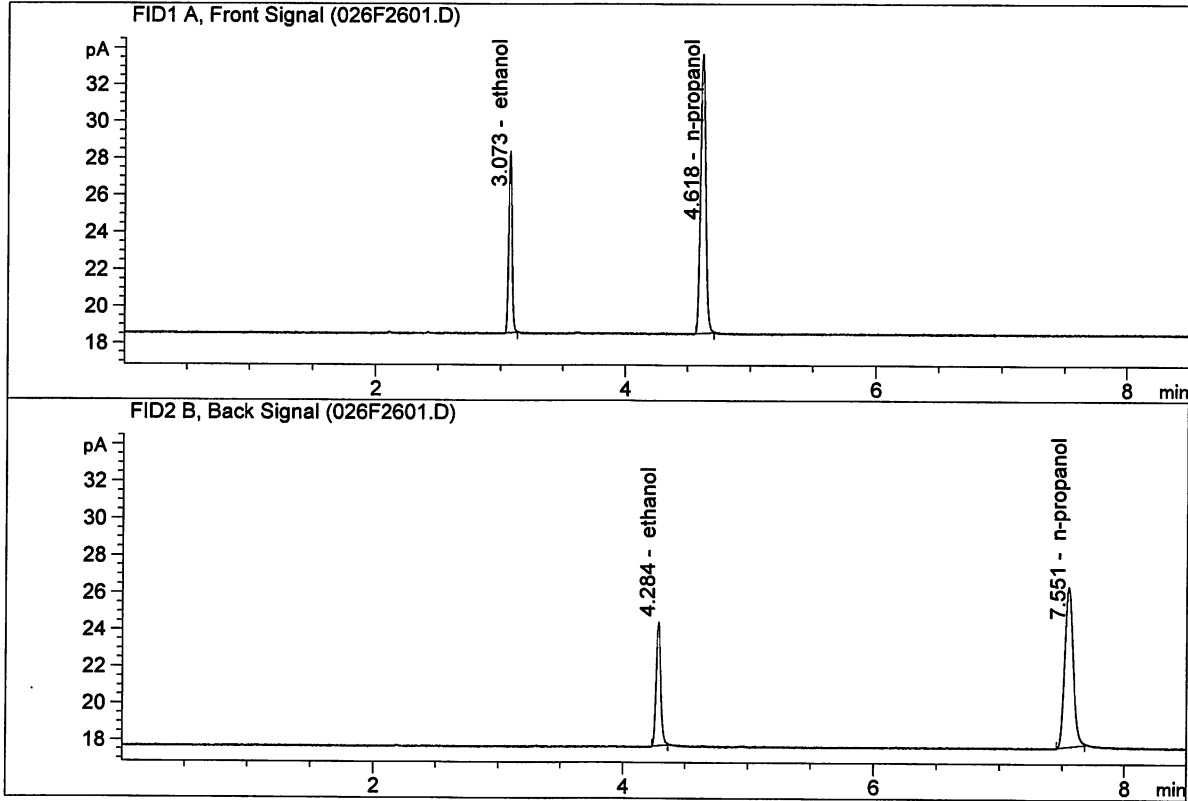


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.75826	0.2026	g/100cc
2.	Ethanol	Column 2:	17.68228	0.2018	g/100cc
3.	n-Propanol	Column 1:	42.91496	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.51071	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument : CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.98315	0.2048	g/100cc
2.	Ethanol	Column 2:	17.92042	0.2037	g/100cc
3.	n-Propanol	Column 1:	42.97598	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.65905	1.0000	g/100cc

NB

## VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: 0.08 FN10281510**

**Analysis Date(s): 03 Jan 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0796	0.0827	0.0031	0.0811	0.0812	
(g/100cc)	0.0800	0.0825	0.0025	0.0812		

**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

	<b>Reported Result</b>	
	0.081	

*Calibration and control data are stored centrally.*

NB

Issued: 12/30/2016

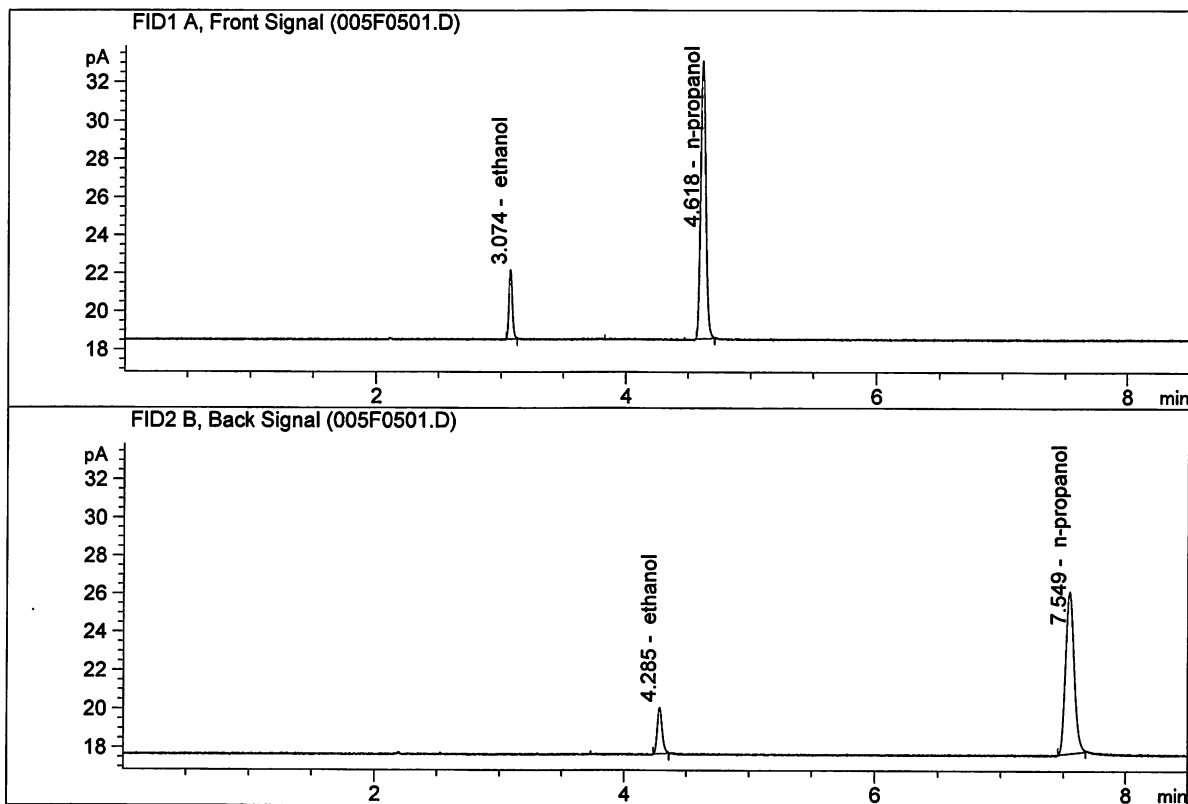
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager



ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-A  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

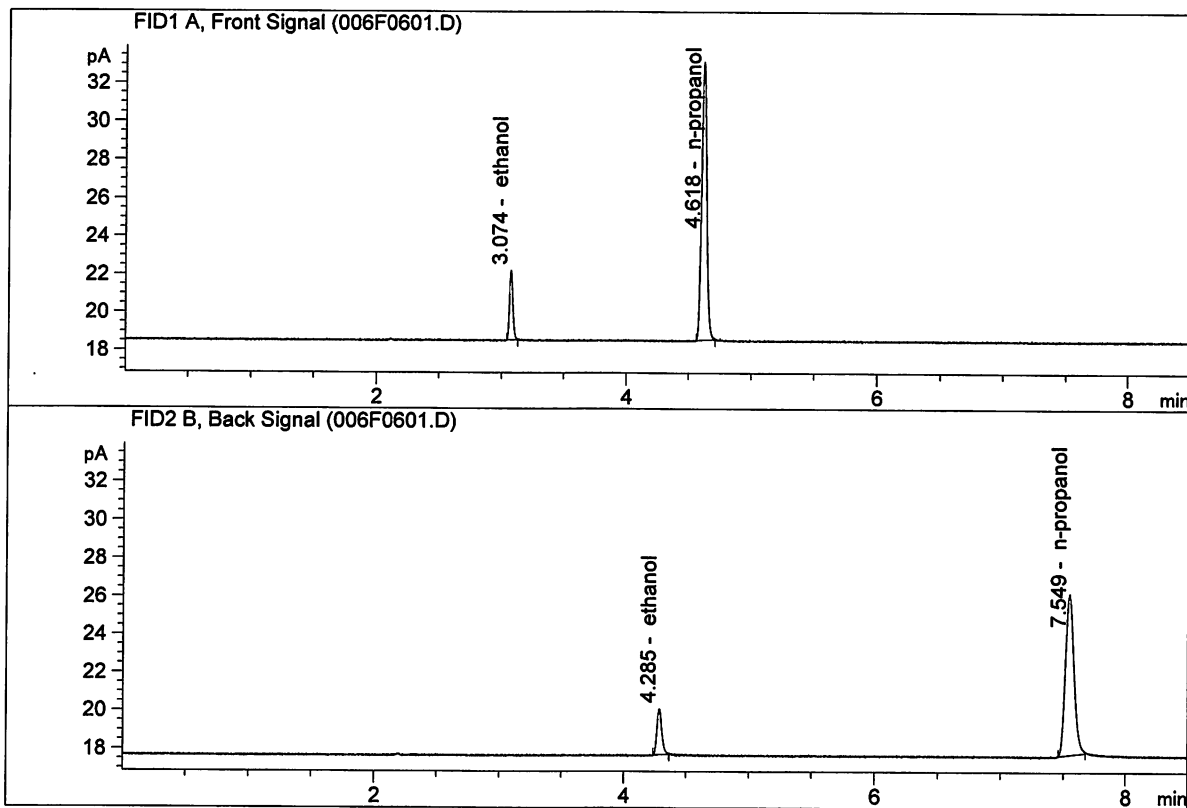


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.69741	0.0796	g/100cc
2.	Ethanol	Column 2:	6.55097	0.0827	g/100cc
3.	n-Propanol	Column 1:	41.26278	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.10712	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

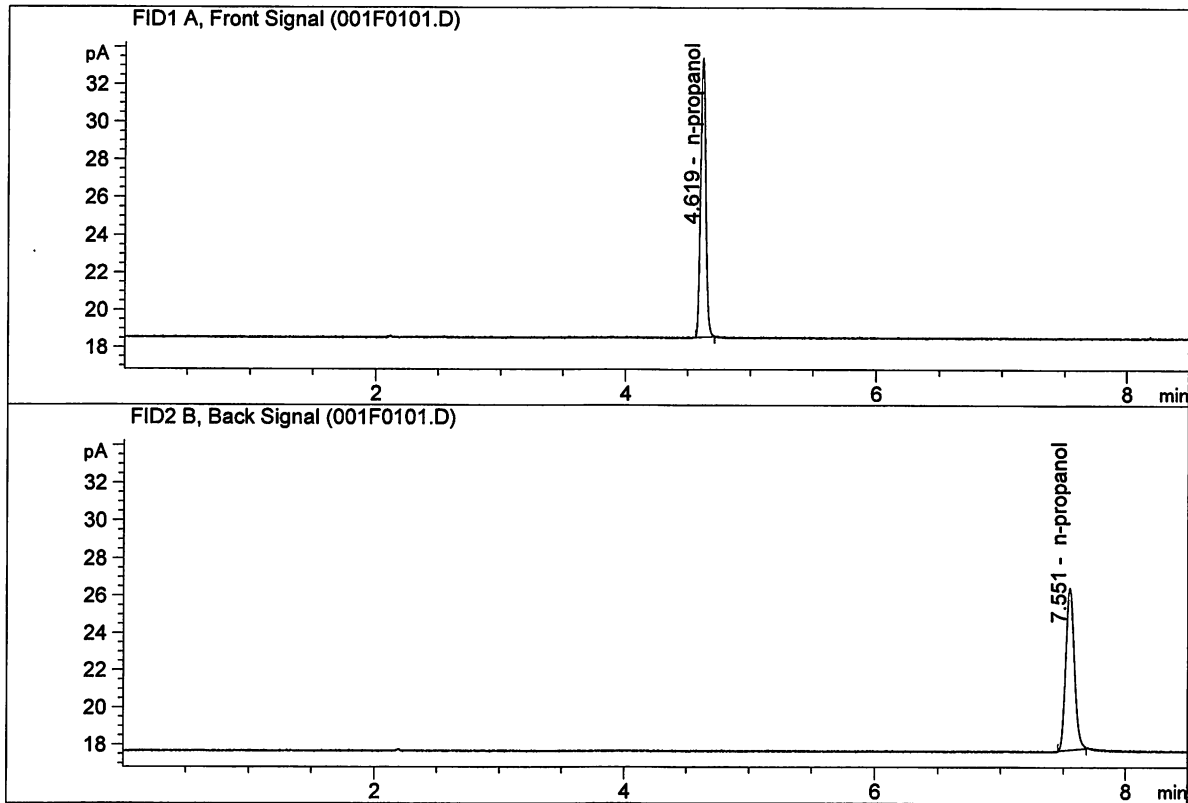


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.76269	0.0800	g/100cc
2.	Ethanol	Column 2:	6.56243	0.0825	g/100cc
3.	n-Propanol	Column 1:	41.48454	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.27469	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

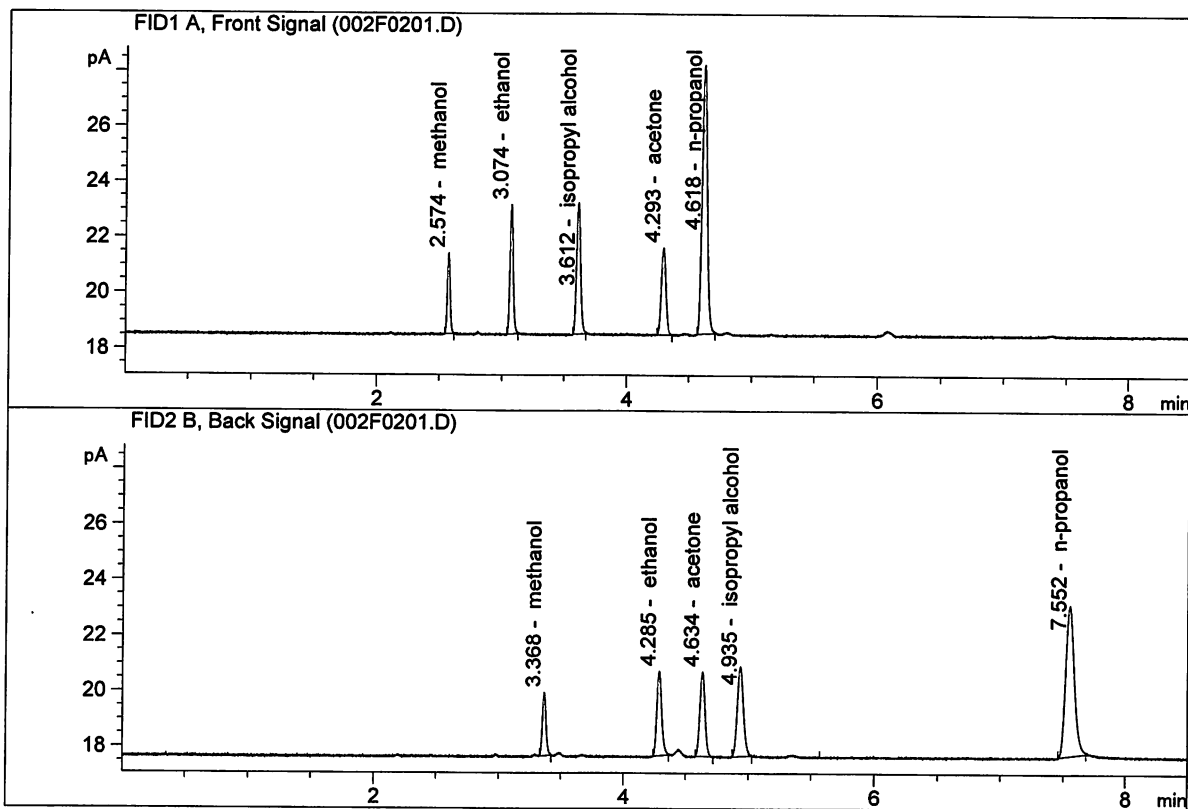


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.32585	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.91854	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN09231404  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

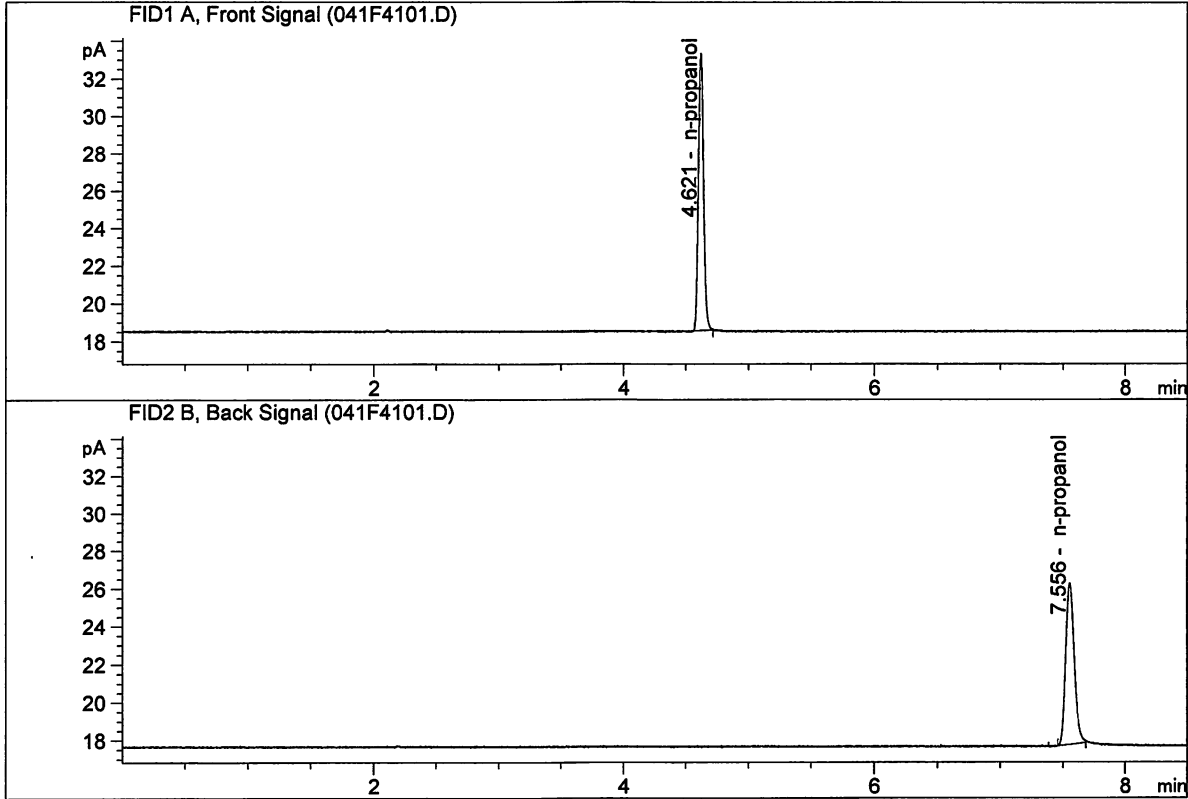


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.31642	0.1487	g/100cc
2.	Ethanol	Column 2:	8.18402	0.1506	g/100cc
3.	n-Propanol	Column 1:	27.40057	1.0000	g/100cc
4.	n-Propanol	Column 2:	26.14810	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 2  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

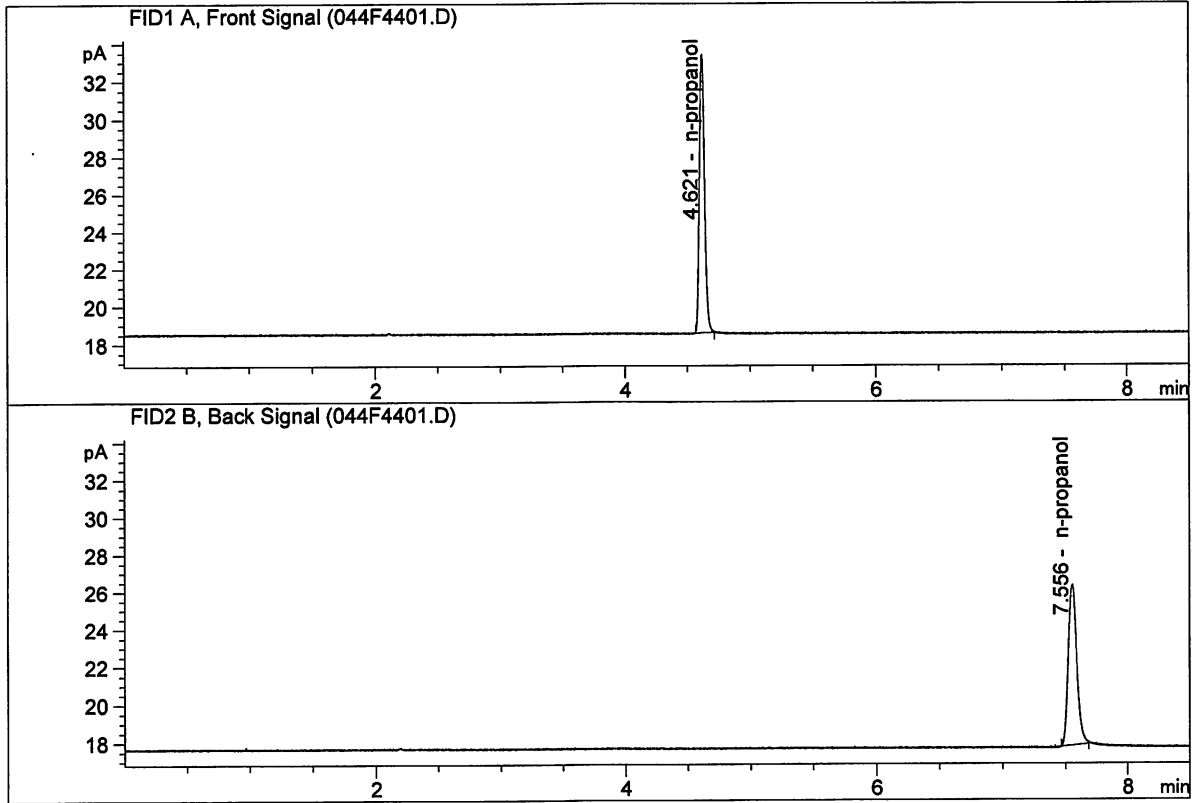


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.15749	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.80681	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK QUAL 1  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

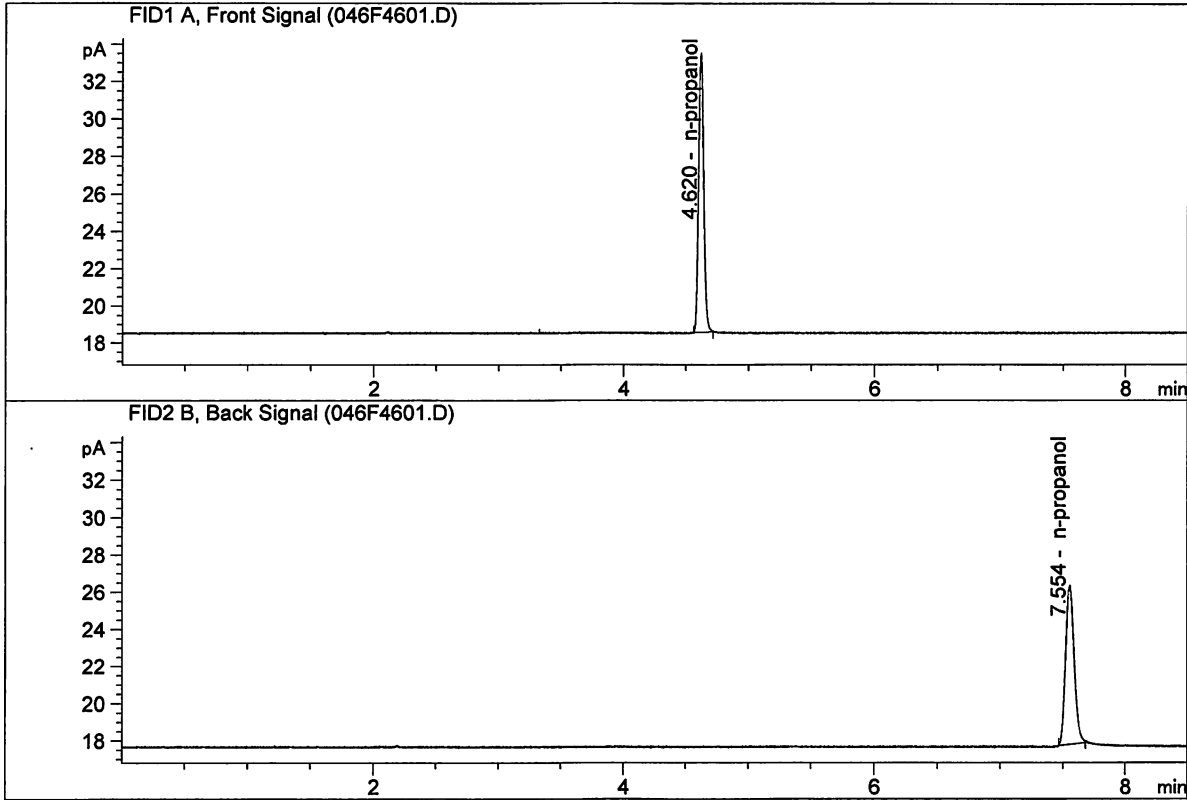


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.34708	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.97061	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK QUAL 2  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

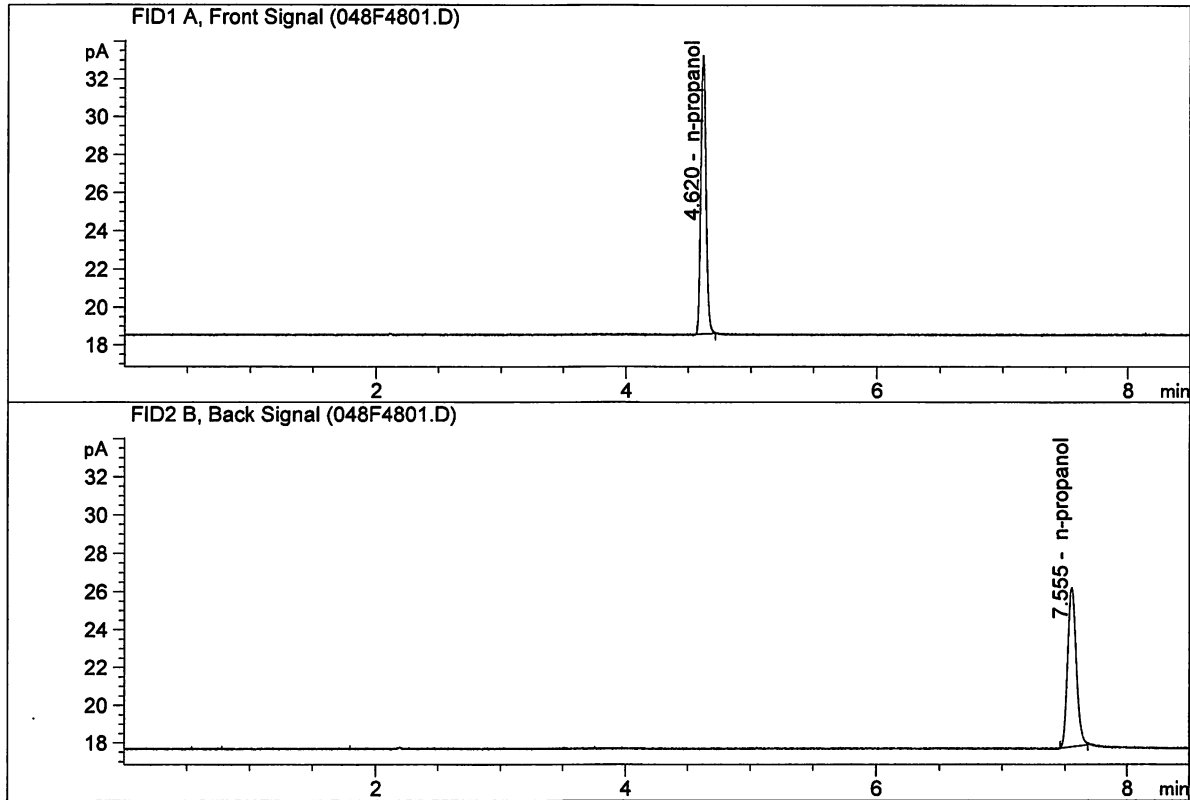


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.49136	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.77364	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK QUAL 3  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167



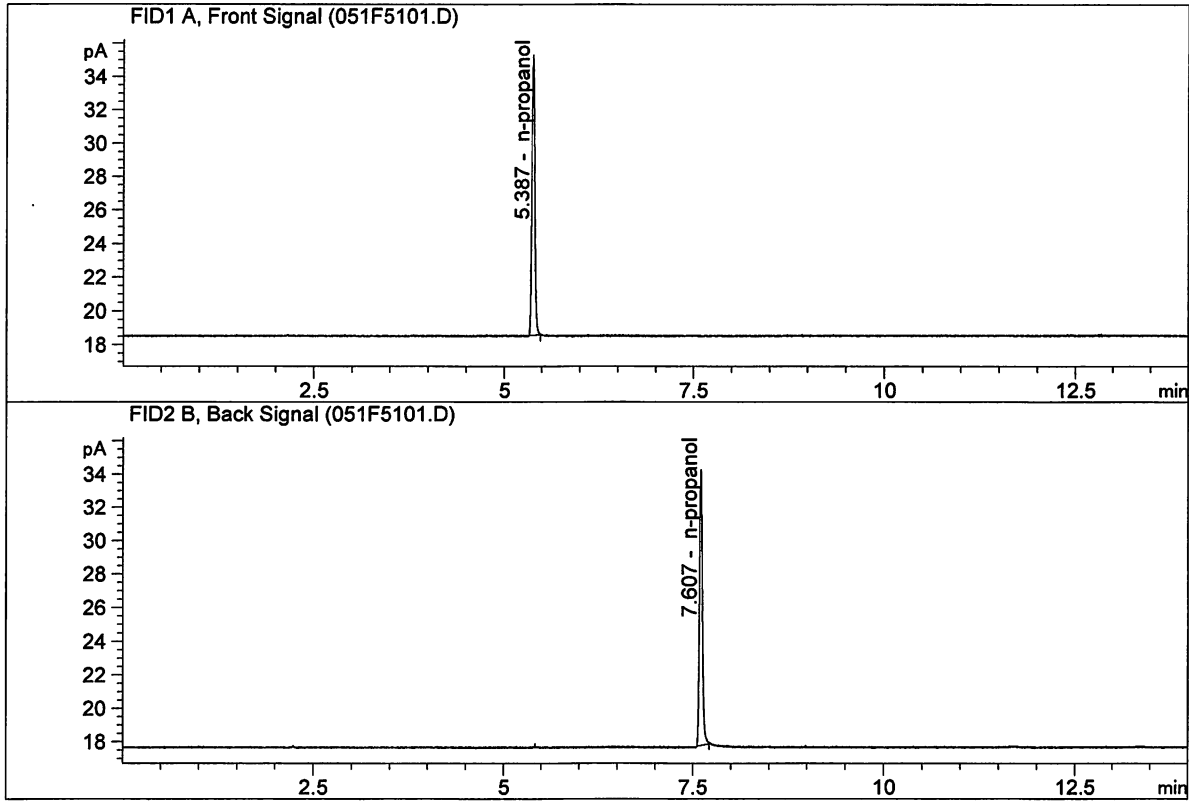
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.85719	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.45704	1.0000	g/100cc

NB



ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK VOL 1  
 Laboratory : Meridian  
 Injection Date : Jan 4, 2017  
 Method : VOLATILES.M  
 Acq. Instrument: CN11180014-CN11041167

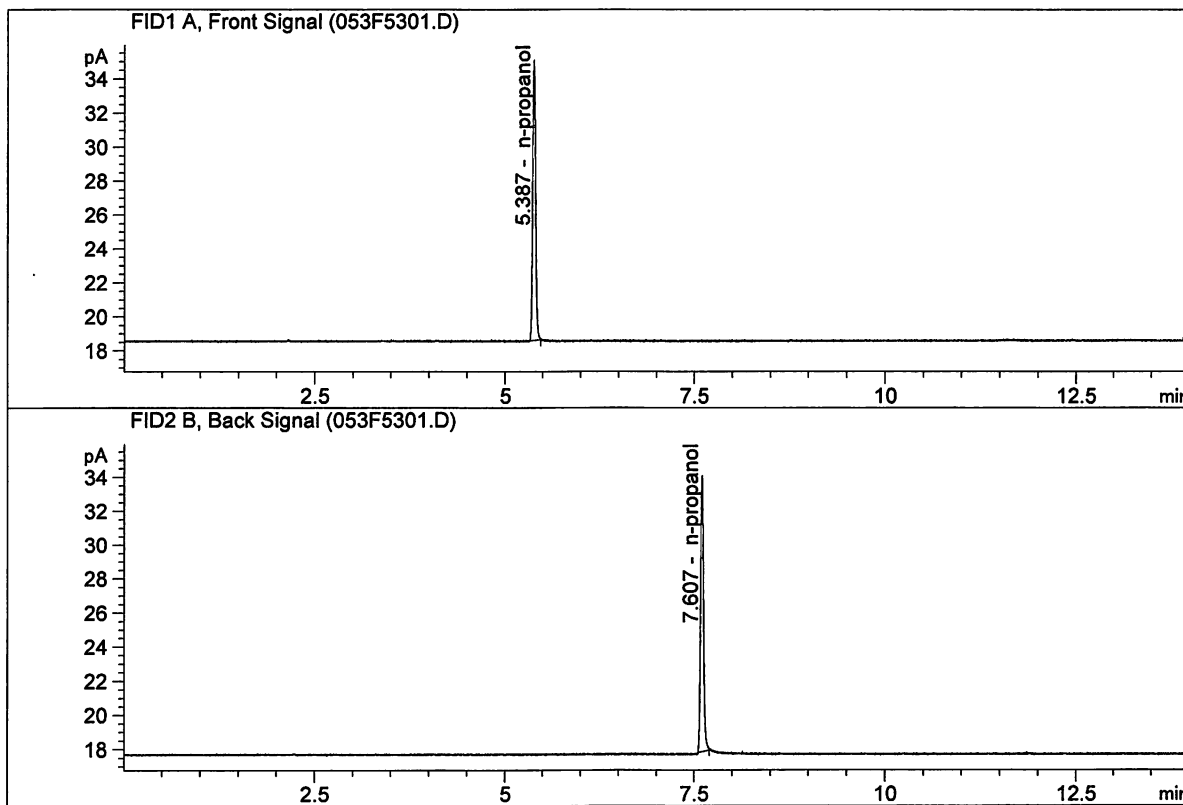


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.81562	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.01352	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK VOL 2  
 Laboratory : Meridian  
 Injection Date : Jan 4, 2017  
 Method : VOLATILES.M  
 Acq. Instrument: CN11180014-CN11041167

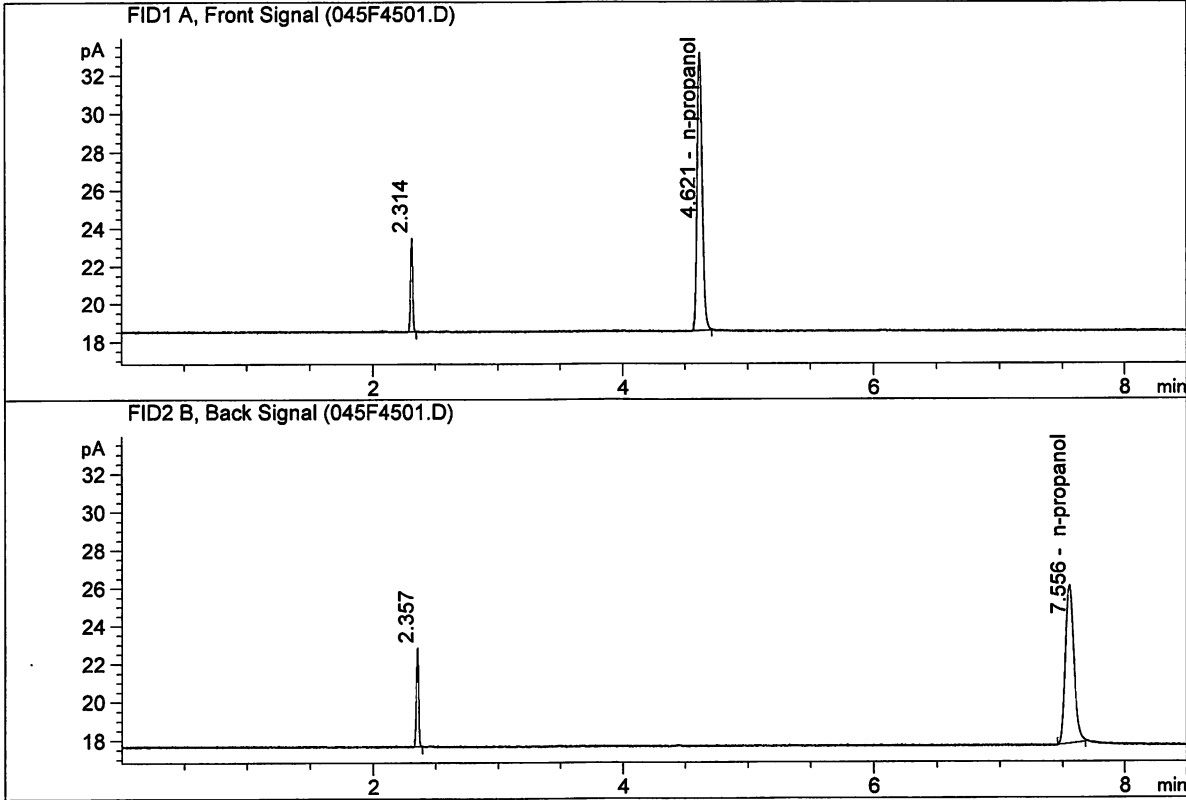


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.05867	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.10563	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : difluoroethane 111914OM  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

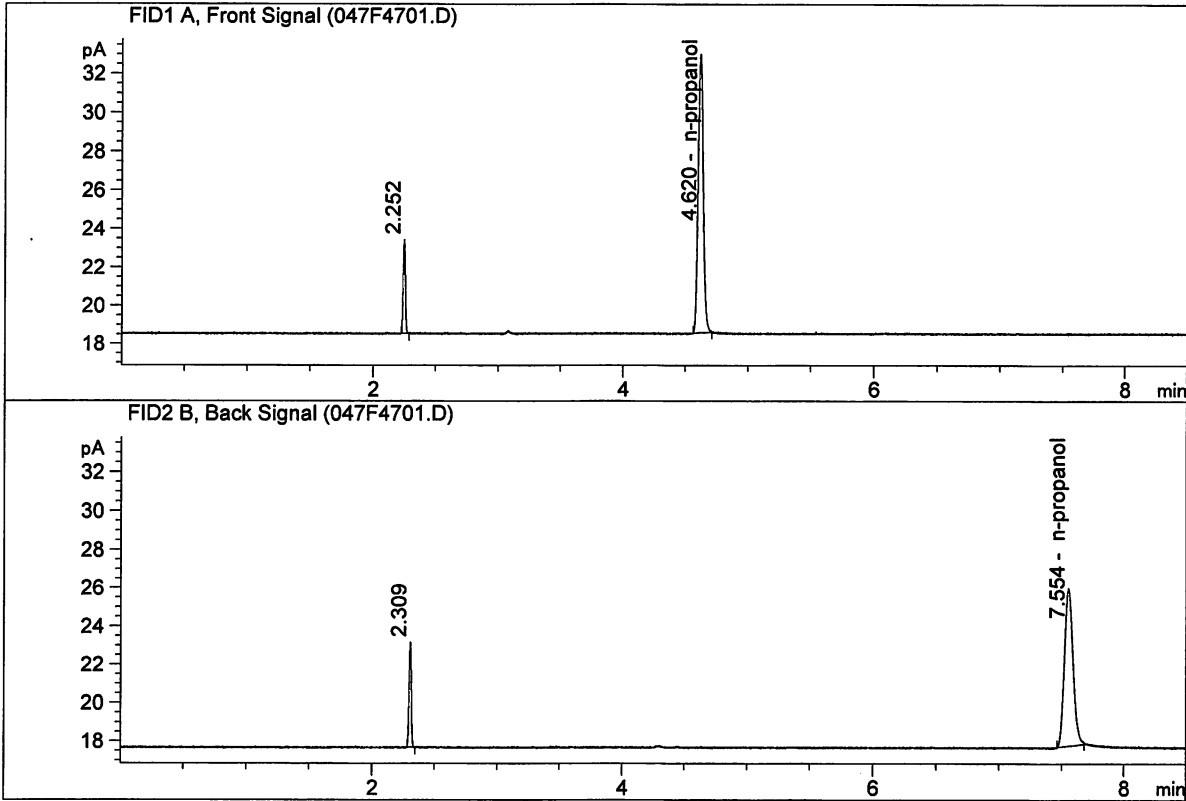


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.24628	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.86621	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : tetrafluoroethane 111914  
 Laboratory : Meridian  
 Injection Date : Jan 3, 2017  
 Method : ALCOHOL.M  
 Acq. Instrument: CN11180014-CN11041167

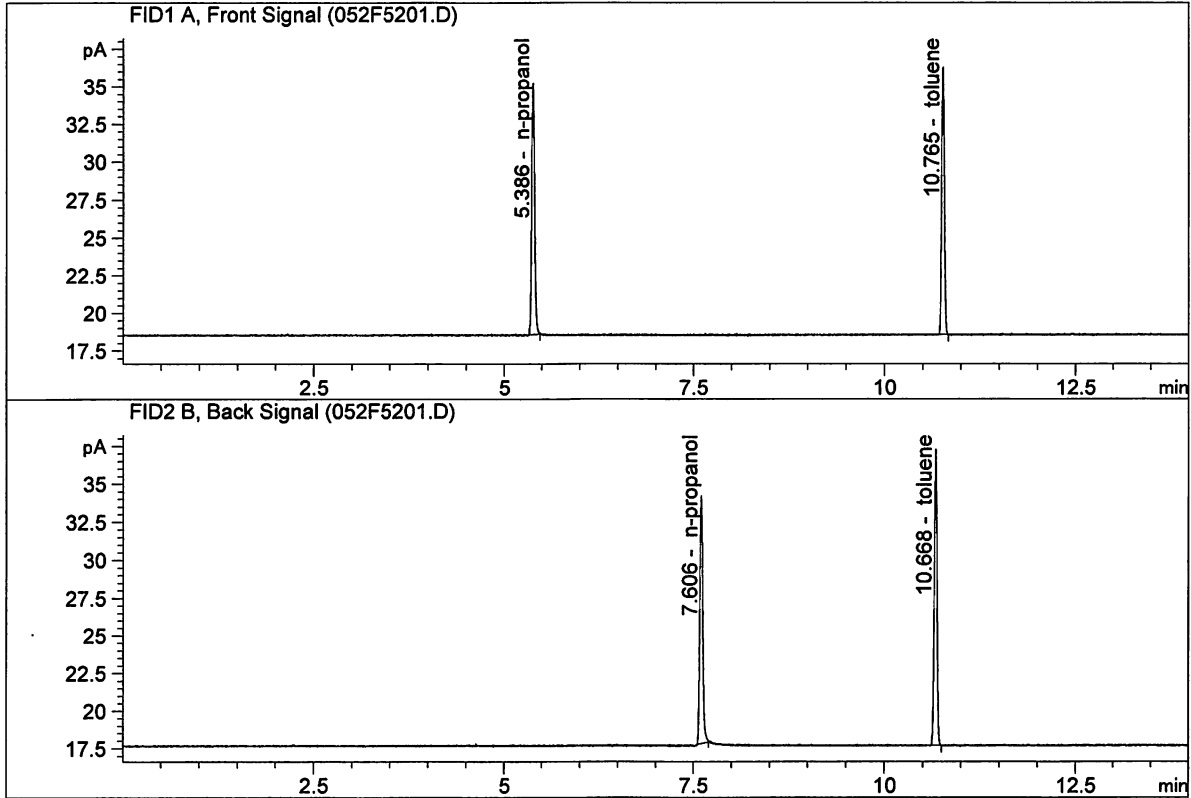


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.84556	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.31525	1.0000	g/100cc

*MB*

ISP Forensic Services Blood Alcohol Report

Sample Name : toluene 002007  
 Laboratory : Meridian  
 Injection Date : Jan 4, 2017  
 Method : VOLATILES.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:	43.54847	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.58189	1.0000	g/100cc

NB

Sample Summary

Sequence table: C:\Chem32\1\Data\01-03-17\_SAMPLES\01-03-17\_SAMPLES 2017-01-03 15-24-26\01-03-17\_SAMPLES.S  
 Data directory path: C:\Chem32\1\Data\01-03-17\_SAMPLES\01-03-17\_SAMPLES 2017-01-03 15-24-26\  
 Logbook: C:\Chem32\1\Data\01-03-17\_SAMPLES\01-03-17\_SAMPLES 2017-01-03 15-24-26\01-03-17\_SAMPLES.LOG  
 Sequence start: 1/3/2017 3:39:14 PM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM  
 Method file name: C:\Chem32\1\Data\01-03-17\_SAMPLES\01-03-17\_SAMPLES 2017-01-03 15-24-26\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	M2016-4088-4-A	-	1.0000	007F0701.D		2
8	8	1	M2016-4088-4-B	-	1.0000	008F0801.D		2
9	9	1	M2016-5032-2-A	-	1.0000	009F0901.D		2
10	10	1	M2016-5032-2-B	-	1.0000	010F1001.D		2
11	11	1	M2016-5151-2-A	-	1.0000	011F1101.D		4
12	12	1	M2016-5151-2-B	-	1.0000	012F1201.D		4
13	13	1	M2016-5311-1-A	-	1.0000	013F1301.D		4
14	14	1	M2016-5311-1-B	-	1.0000	014F1401.D		4
15	15	1	M2016-5312-1-A	-	1.0000	015F1501.D		4
16	16	1	M2016-5312-1-B	-	1.0000	016F1601.D		4
17	17	1	M2016-5313-1-A	-	1.0000	017F1701.D		4
18	18	1	M2016-5313-1-B	-	1.0000	018F1801.D		4
19	19	1	M2016-5315-1-A	-	1.0000	019F1901.D		4
20	20	1	M2016-5315-1-B	-	1.0000	020F2001.D		4
21	21	1	M2016-5333-1-A	-	1.0000	021F2101.D		2
22	22	1	M2016-5333-1-B	-	1.0000	022F2201.D		2
23	23	1	M2016-5341-1-A	-	1.0000	023F2301.D		2
24	24	1	M2016-5341-1-B	-	1.0000	024F2401.D		2
25	25	1	QC2-1-A	-	1.0000	025F2501.D		4
26	26	1	QC2-1-B	-	1.0000	026F2601.D		4
27	27	1	M2016-5346-1-A	-	1.0000	027F2701.D		2
28	28	1	M2016-5346-1-B	-	1.0000	028F2801.D		2
29	29	1	M2016-5350-1-A	-	1.0000	029F2901.D		4
30	30	1	M2016-5350-1-B	-	1.0000	030F3001.D		4
31	31	1	M2016-5351-1-A	-	1.0000	031F3101.D		2
32	32	1	M2016-5351-1-B	-	1.0000	032F3201.D		2
33	33	1	M2016-5360-1-A	-	1.0000	033F3301.D		4
34	34	1	M2016-5360-1-B	-	1.0000	034F3401.D		4
35	35	1	M2016-5361-1-A	-	1.0000	035F3501.D		4
36	36	1	M2016-5361-1-B	-	1.0000	036F3601.D		4
37	37	1	M2017-0001-1-A	-	1.0000	037F3701.D		4
38	38	1	M2017-0001-1-B	-	1.0000	038F3801.D		4
39	39	1	QC-1-2-A	-	1.0000	039F3901.D		4
40	40	1	QC-1-2-B	-	1.0000	040F4001.D		4
41	41	1	INTERNAL STD BLK	-	1.0000	041F4101.D		2
42	42	1	P2016-2934-1-A	-	1.0000	042F4201.D		2
43	43	1	P2016-2934-1-B	-	1.0000	043F4301.D		2

*NB*

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
44	44	1	INTERNAL STD BLK	-	1.0000	044F4401.D		2
45	45	1	difluoroethane 1	-	1.0000	045F4501.D		2
46	46	1	INTERNAL STD BLK	-	1.0000	046F4601.D		2
47	47	1	tetrafluoroethan	-	1.0000	047F4701.D		2
48	48	1	INTERNAL STD BLK	-	1.0000	048F4801.D		2

Method file name: C:\Chem32\1\Data\01-03-17\_SAMPLES\01-03-17\_SAMPLES 2017-01-03 15-24-26  
 \VOLATILES.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
49	49	1	P2016-2934-1-vol	-	1.0000	049F4901.D		2
50	50	1	P2016-2934-1-vol	-	1.0000	050F5001.D		2
51	51	1	INTERNAL STD BLK	-	1.0000	051F5101.D		2
52	52	1	toluene 002007	-	1.0000	052F5201.D		4
53	53	1	INTERNAL STD BLK	-	1.0000	053F5301.D		2

Method file name: C:\Chem32\1\Data\01-03-17\_SAMPLES\01-03-17\_SAMPLES 2017-01-03 15-24-26  
 \SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
54	54	1	EMPTY	-	1.0000	054F5401.D		0