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):1/28/16**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Dec-16	1212090	0.0773	0.0696 - 0.0850	0.0762 g/100cc
					0.0786 g/100cc
					g/100cc
Level 2	Jan-17	1212091	0.2020	0.1818 - 0.2222	0.2047 g/100cc
					0.2082 g/100cc
					g/100cc
Multi-Component mixture:		**Exp date: Oct 2019**		**Lot #** FN09231404	OK
Curve Fit:			**Column 1**	0.99997 **Column2**	0.99984

Ethanol Calibration Reference Material								
Calibrator level	**Expiration**	**Cerilliant Lot #**	**Target Value**	**Acceptable Range**	**Column 1**	**Column 2**	**Precision**	**Mean**
0.050	Jan-17	FN010912-01	0.050	0.045 - 0.055	0.0491	0.0461	0.003	0.0476
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0982	0.0937	0.0045	0.0959
0.200			0.200	0.180 - 0.220			0	#DIV/0!
0.300	Jun-20	FN06051501	0.300	0.270 - 0.330	0.2979	0.2944	0.0035	0.2961
0.400	Jan-17	FN012712-01	0.400	0.360 - 0.440	0.3969	0.3962	0.0007	0.3965
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5042	0.5081	0.0039	0.5061

Aqueous Controls					
Control level	**Expiration**	**Cerilliant Lot #**	**Target Value**	**Acceptable Range**	**Overall Results**
0.080	Oct-18	FN09051304	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 fomulas.

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

NB

1/28/2016

Worklist: 982

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2016-0152	1	48806	Alcohol Analysis
M2016-0190	1	48918	Alcohol Analysis
M2016-0218	1	49045	Alcohol Analysis
M2016-0278	1	49361	Alcohol Analysis
M2016-0300	1	49465	Alcohol Analysis
M2016-0301	1	49469	Alcohol Analysis
M2016-0302	1	49470	Alcohol Analysis
M2016-0305	1	49477	Alcohol Analysis
M2016-0329	1	49537	Alcohol Analysis
M2016-0330	1	49538	Alcohol Analysis
M2016-0331	1	49547	Alcohol Analysis
M2016-0341	1	49577	Alcohol Analysis
M2016-0343	1	49587	Alcohol Analysis
M2016-0344	1	49591	Alcohol Analysis
M2016-0345	1	49592	Alcohol Analysis
M2016-0346	1	49593	Alcohol Analysis
M2016-0347	1	49596	Alcohol Analysis
M2016-0358	1	49645	Alcohol Analysis
M2016-0371	1	49723	Alcohol Analysis
P2015-2558	1	49834	Alcohol Analysis
P2016-0129	1	49049	Alcohol Analysis
P2016-0166	2	49483	Alcohol Analysis

NB

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, January 28, 2016 12:04:59 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

Overview Table

NB

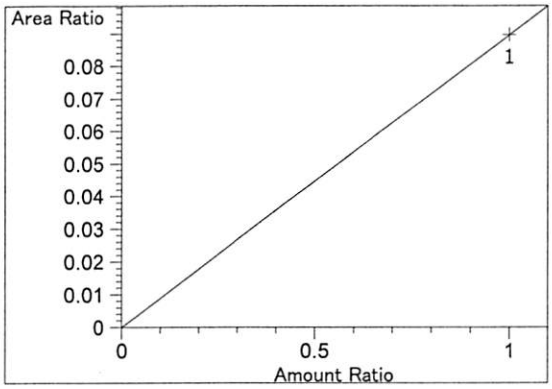
Method C:\CHEM32\1\METHODS\ALCOHOL.M

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.586	1	1	1.00000	3.69669	2.70512e-1	No	No	1	methanol
3.091	1	1	5.00000e-2	4.27234	1.17032e-2	No	No	1	ethanol
		2	1.00000e-1	8.91373	1.12186e-2				
		3	3.00000e-1	26.74603	1.12166e-2				
		4	4.00000e-1	36.37323	1.09971e-2				
		5	5.00000e-1	43.26231	1.15574e-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
4.306	2	1	5.00000e-2	4.06986	1.22854e-2	No	No	2	ethanol
		2	1.00000e-1	8.52293	1.17331e-2				
		3	3.00000e-1	26.26242	1.14232e-2				
		4	4.00000e-1	35.99921	1.11114e-2				
		5	5.00000e-1	43.08240	1.16057e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.640	1	1	1.00000	41.23749	2.42498e-2	No	Yes	1	n-propanol
		2	1.00000	43.00878	2.32511e-2				
		3	1.00000	42.55165	2.35009e-2				
		4	1.00000	43.43604	2.30224e-2				
		5	1.00000	40.67295	2.45864e-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
7.586	2	1	1.00000	39.89079	2.50684e-2	No	Yes	2	n-propanol
		2	1.00000	41.14988	2.43014e-2				
		3	1.00000	40.34671	2.47852e-2				
		4	1.00000	41.08628	2.43390e-2				
		5	1.00000	38.34752	2.60773e-2				

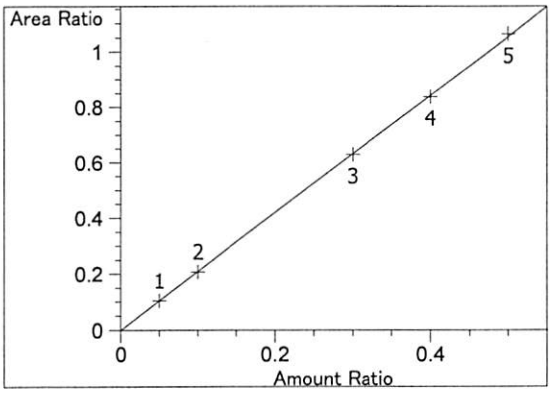
Peak Sum Table

No Entries in table

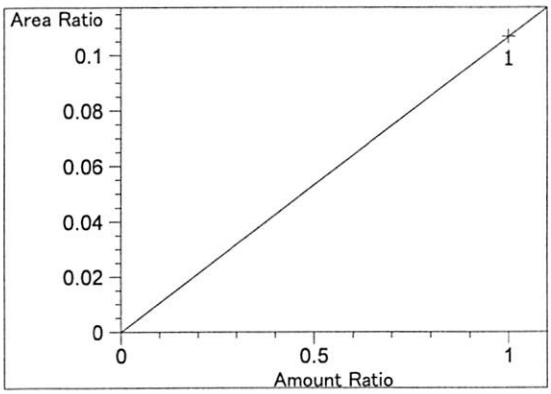
Calibration Curves



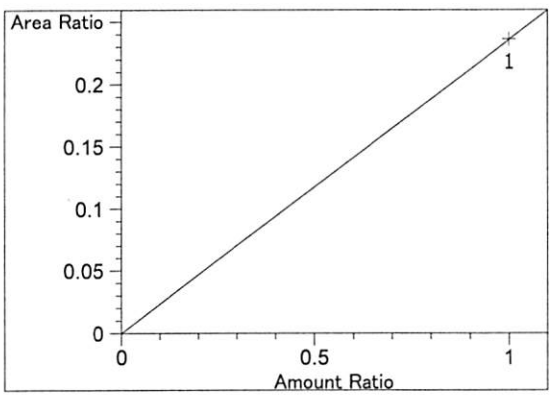
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.96440e-2
x: Amount Ratio
y: Area Ratio



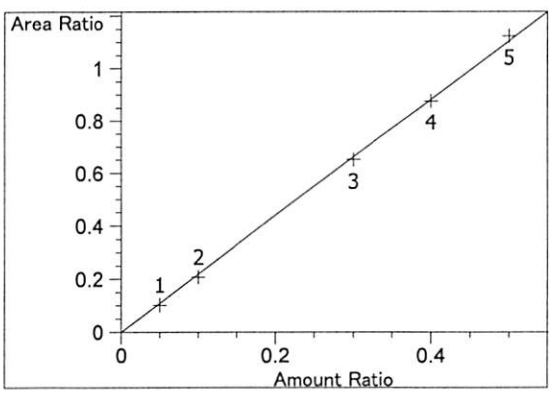
ethanol at exp. RT: 3.091
FID1 A, Front Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00625
Formula: y = mx
m: 2.10978
x: Amount Ratio
y: Area Ratio



methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.06807e-1
x: Amount Ratio
y: Area Ratio

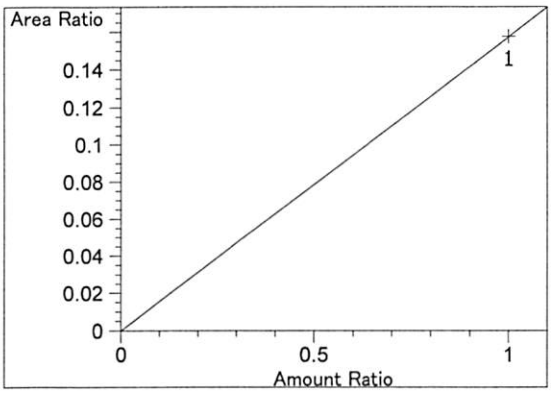


isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 2.35964e-1
x: Amount Ratio
y: Area Ratio

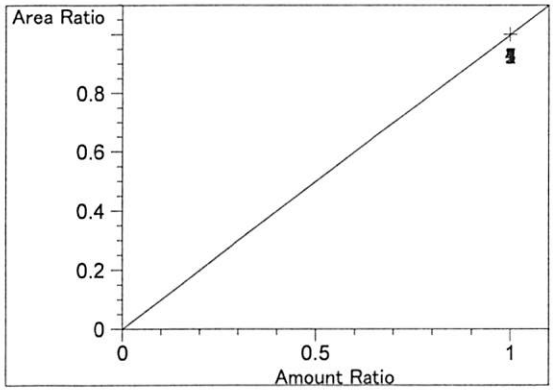


ethanol at exp. RT: 4.306
FID2 B, Back Signal
Correlation: 0.99984
Residual Std. Dev.: 0.01425
Formula: y = mx
m: 2.21132
x: Amount Ratio
y: Area Ratio

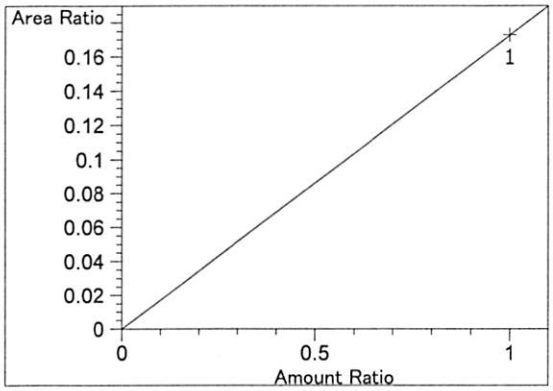
NB



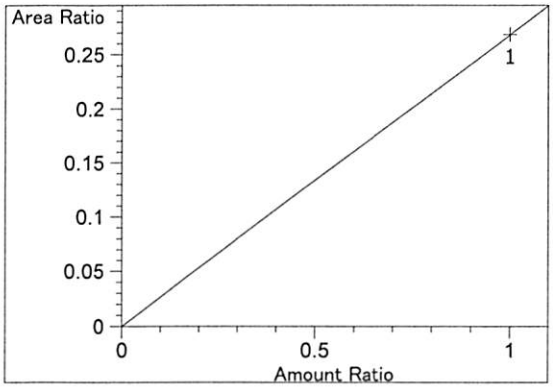
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.57609e-1
x: Amount Ratio
y: Area Ratio



n-propanol at exp. RT: 4.640
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

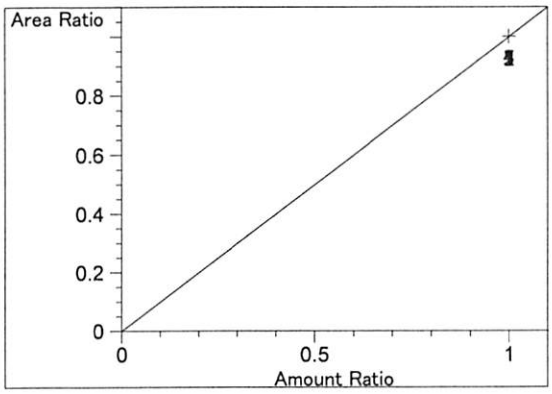


acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.72797e-1
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 2.68393e-1
x: Amount Ratio
y: Area Ratio

NB



n-propanol at exp. RT: 7.586
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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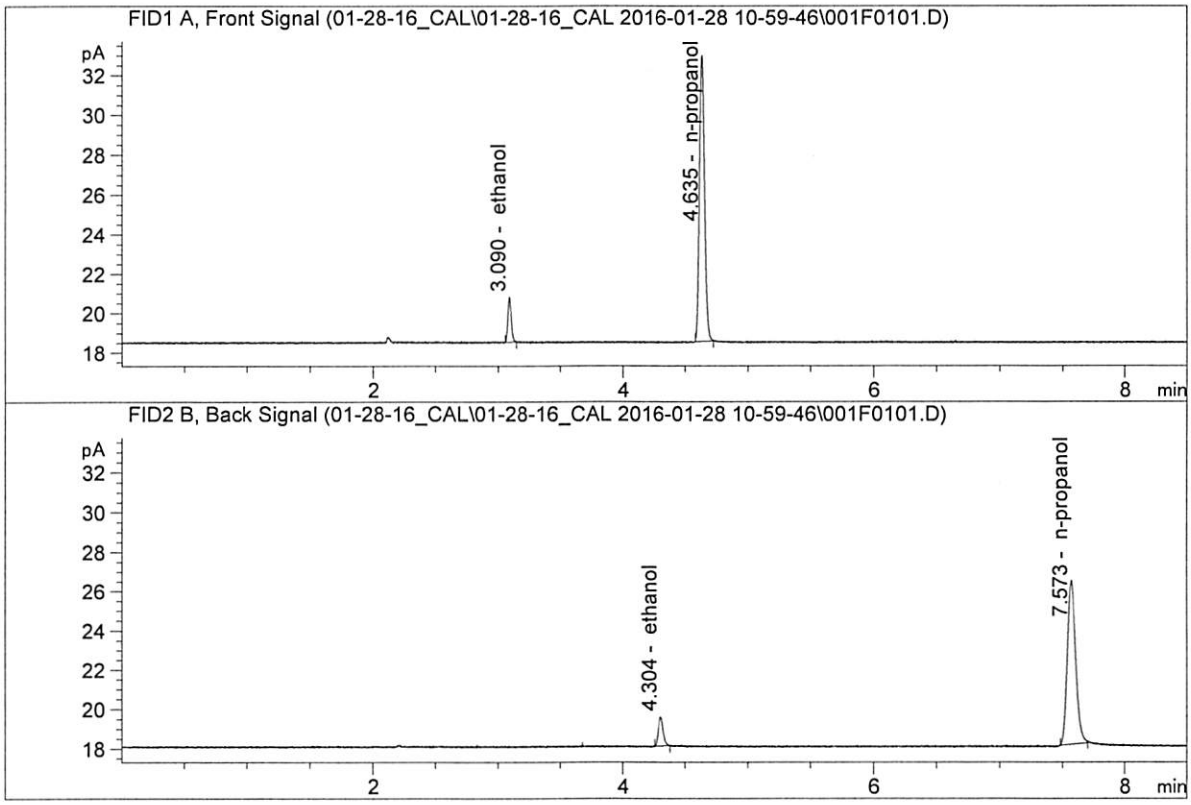
NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN010912-01
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

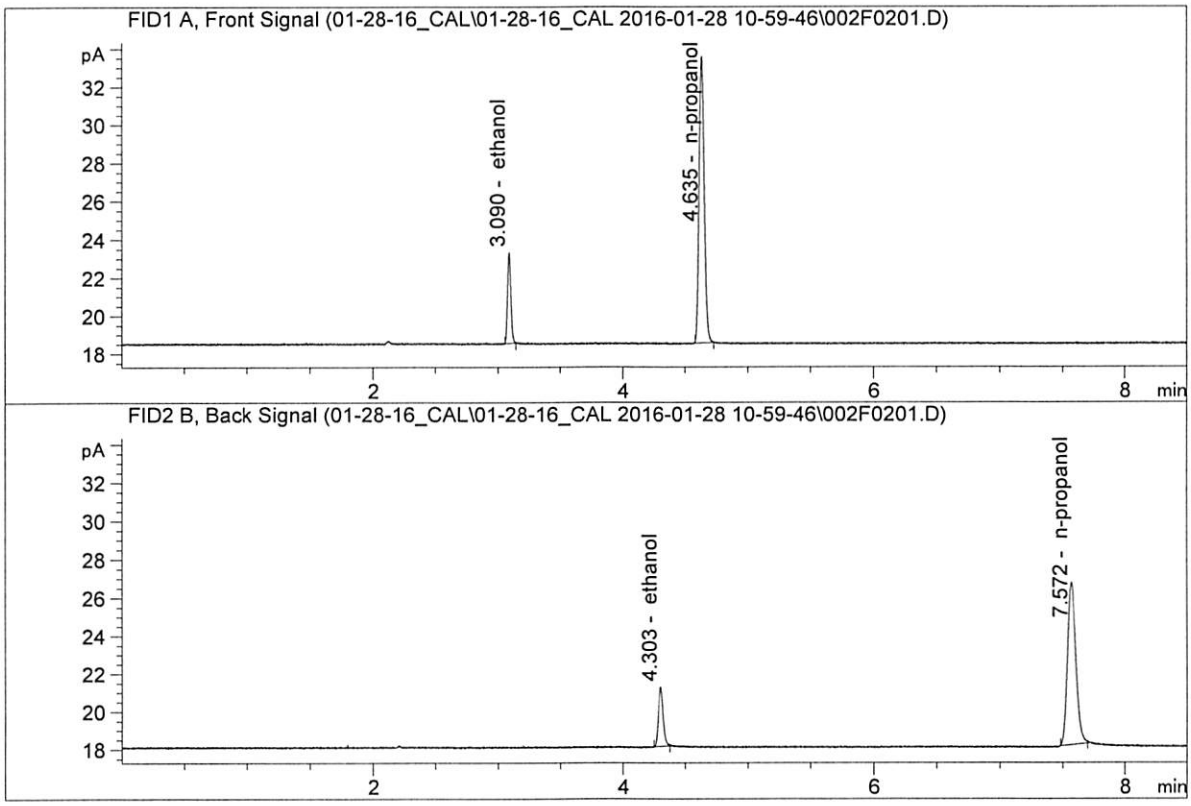


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.27234	0.0491	g/100cc
2.	Ethanol	Column 2:	4.06986	0.0461	g/100cc
3.	n-Propanol	Column 1:	41.23749	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.89079	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02021403
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

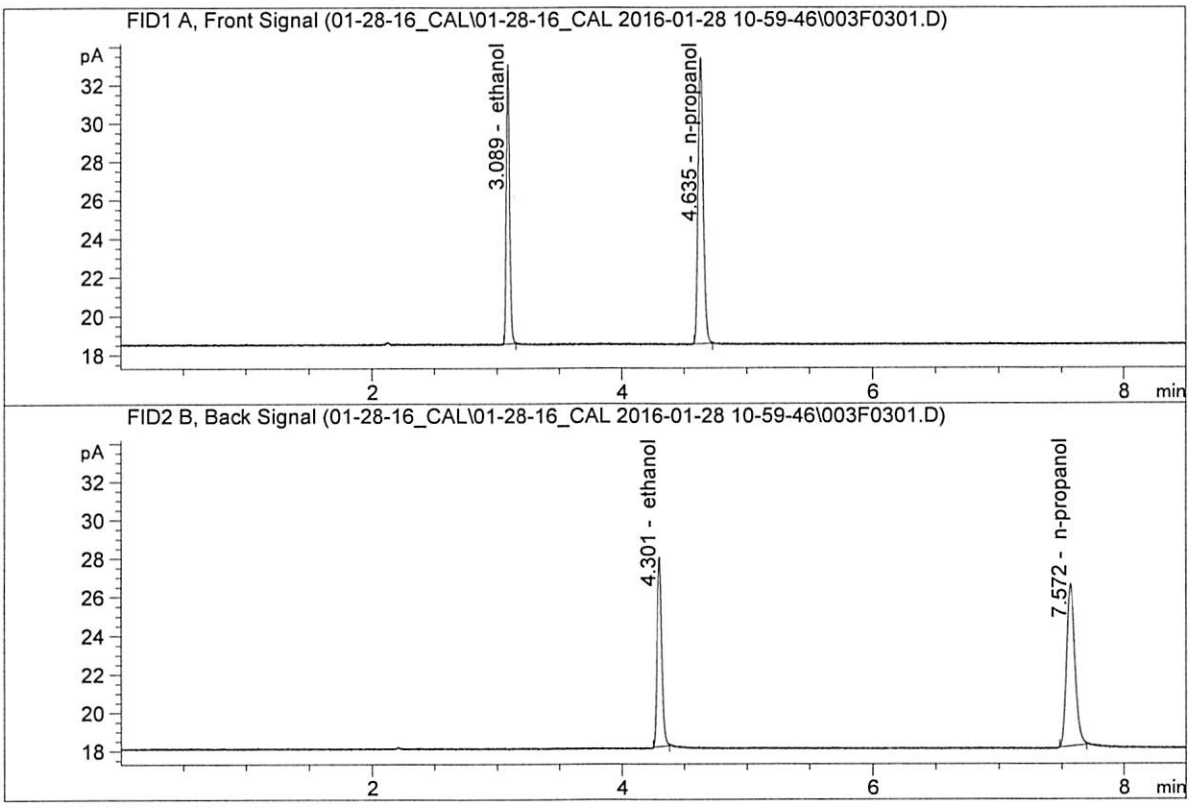


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.91373	0.0982	g/100cc
2.	Ethanol	Column 2:	8.52293	0.0937	g/100cc
3.	n-Propanol	Column 1:	43.00878	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.14988	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN06051501
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

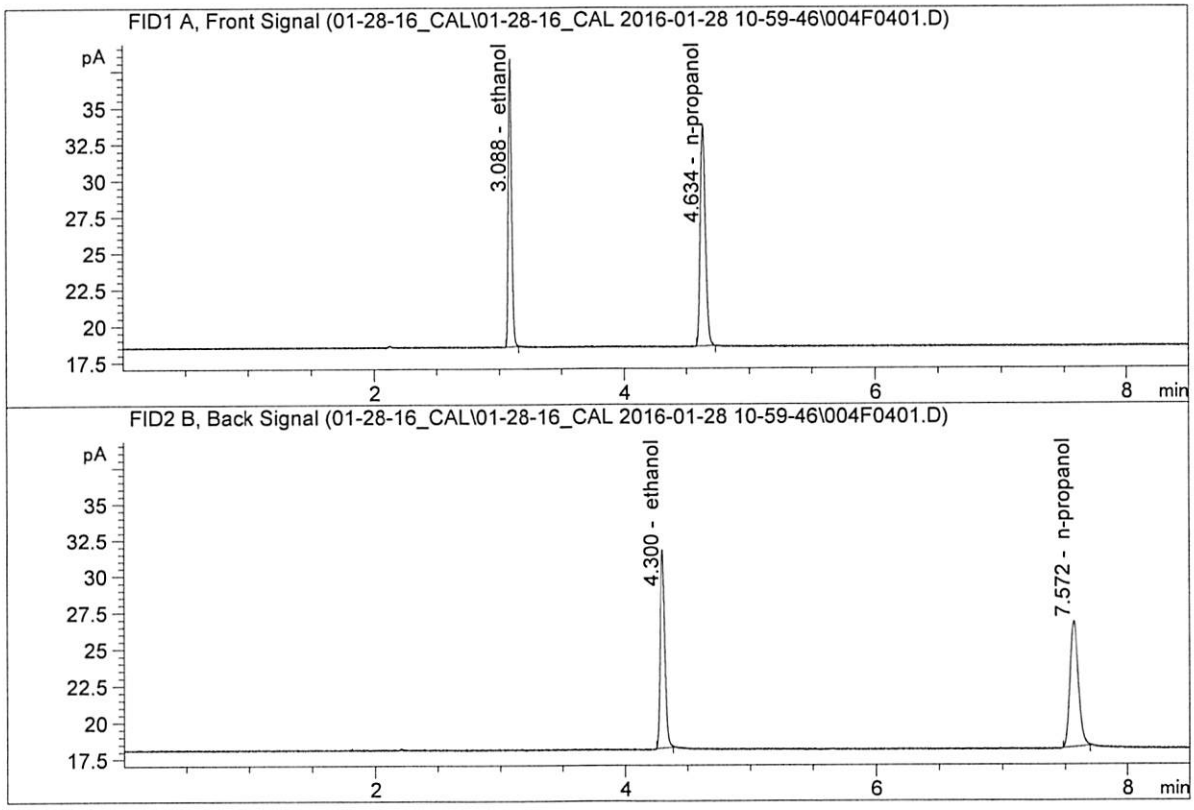


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.74603	0.2979	g/100cc
2.	Ethanol	Column 2:	26.26242	0.2944	g/100cc
3.	n-Propanol	Column 1:	42.55165	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.34671	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.400 FN012712-01
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

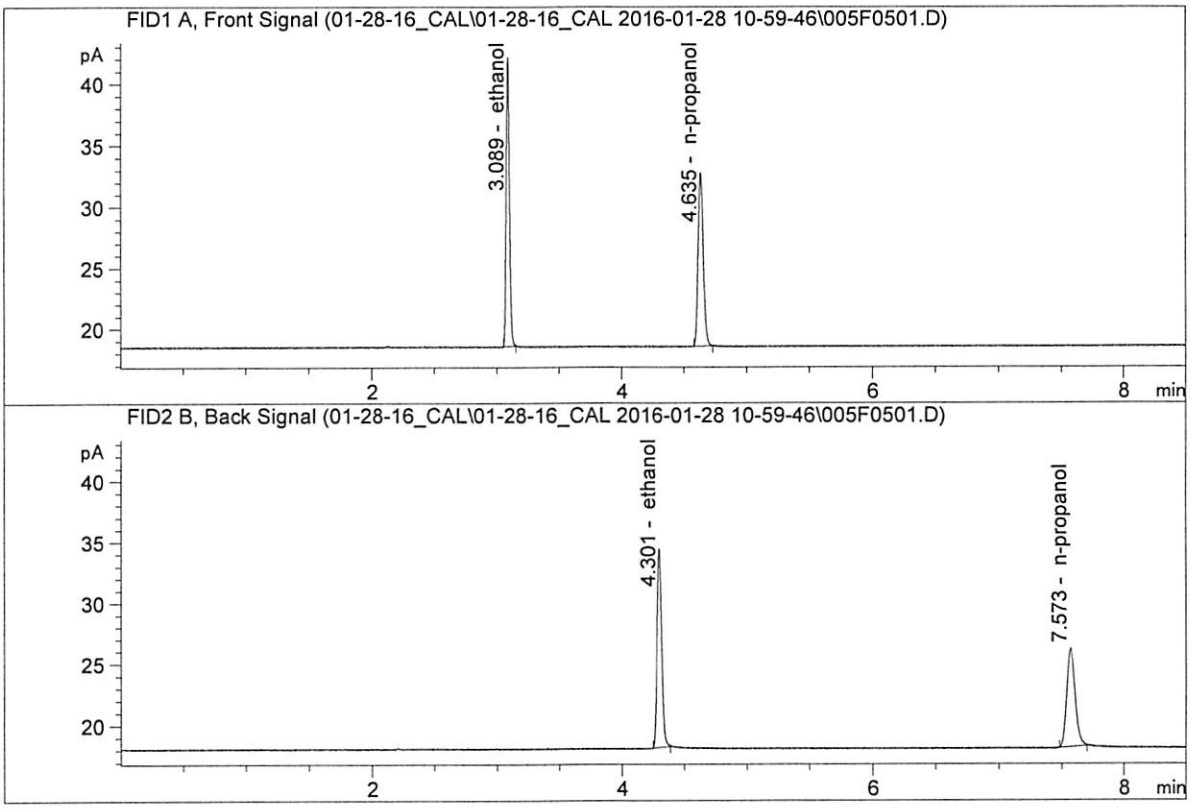


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.37323	0.3969	g/100cc
2.	Ethanol	Column 2:	35.99921	0.3962	g/100cc
3.	n-Propanol	Column 1:	43.43604	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.08628	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

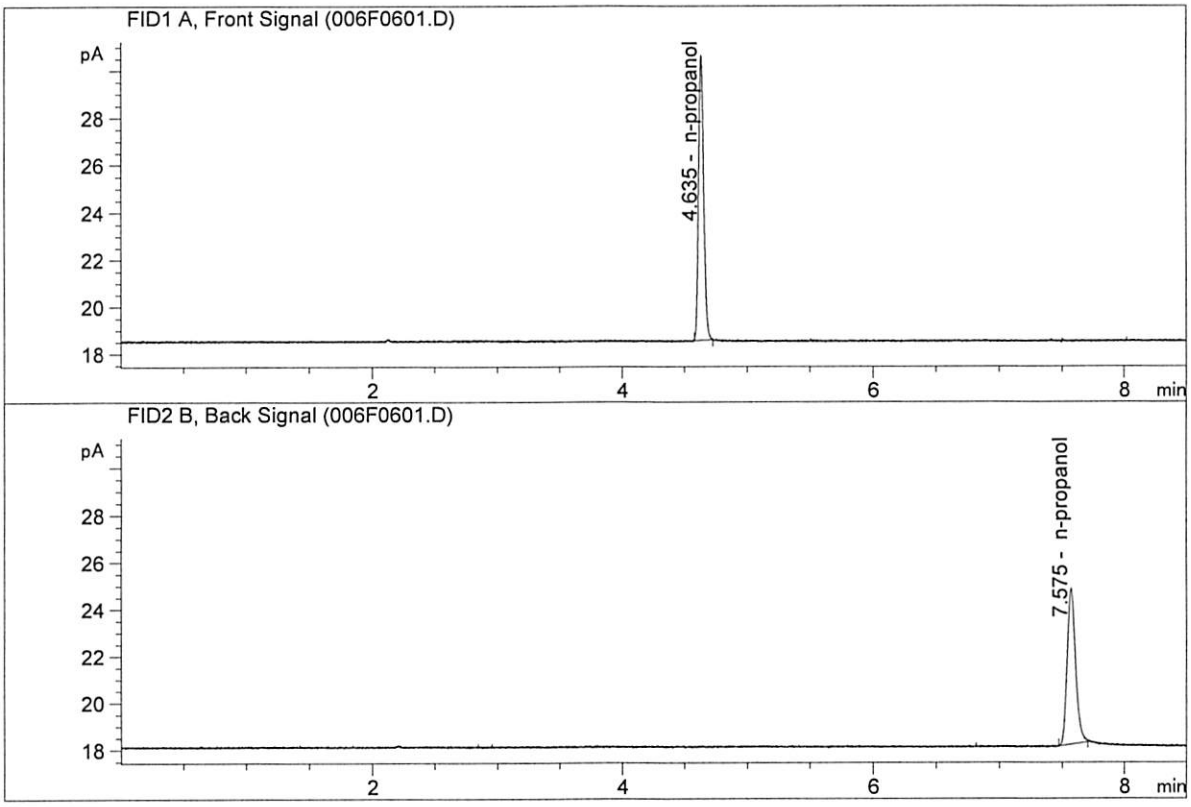


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.26231	0.5042	g/100cc
2.	Ethanol	Column 2:	43.08240	0.5081	g/100cc
3.	n-Propanol	Column 1:	40.67295	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.34752	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Jan 28, 2016
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:	34.48260	1.0000	g/100cc
4.	n-Propanol	Column 2:	32.29738	1.0000	g/100cc

MB

Sample Summary

Sequence table: C:\Chem32\1\Data\01-28-16_CAL\01-28-16_CAL 2016-01-28 10-59-46\01-28-16_CAL.S
Data directory path: C:\Chem32\1\Data\01-28-16_CAL\01-28-16_CAL 2016-01-28 10-59-46\
Logbook: C:\Chem32\1\Data\01-28-16_CAL\01-28-16_CAL 2016-01-28 10-59-46\01-28-16_CAL.LOG
Sequence start: 1/28/2016 11:14:23 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\01-28-16_CAL\01-28-16_CAL 2016-01-28 10-59-46\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN010912-0	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN02021403	-	1.0000	002F0201.D	*	4
3	3	1	0.300 FN06051501	-	1.0000	003F0301.D	*	4
4	4	1	0.400 FN012712-0	-	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 saved as Alcohol master method C:\Chem32\1\methods\Alcohol.m

NB 1/28/16

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 28 Jan 2016**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0784	0.0740	0.0044	0.0762	0.0762	
(g/100cc)	0.0785	0.0739	0.0046	0.0762		

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%**

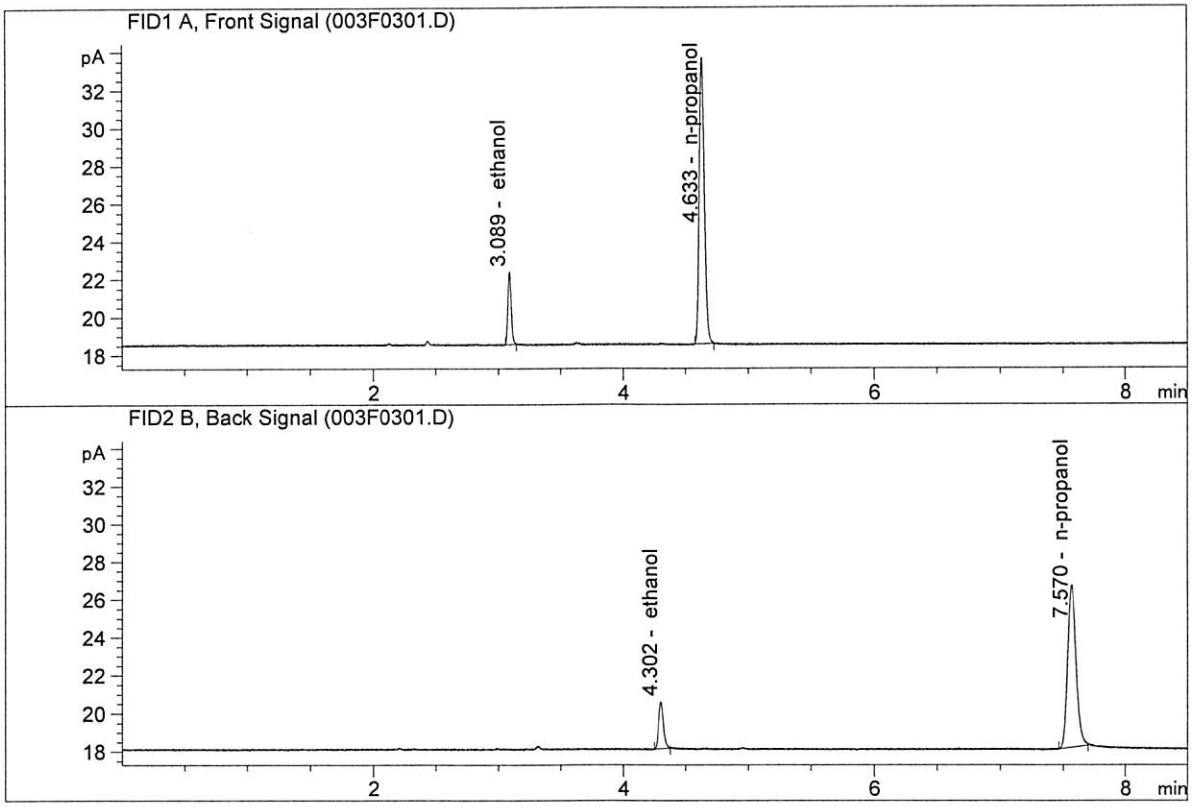
Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	**0.072**	**0.080**	**0.004**

	Reported Result	
	0.076	

Calibration and control data are stored centrally. **Analyst:** NB **Page 2**

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

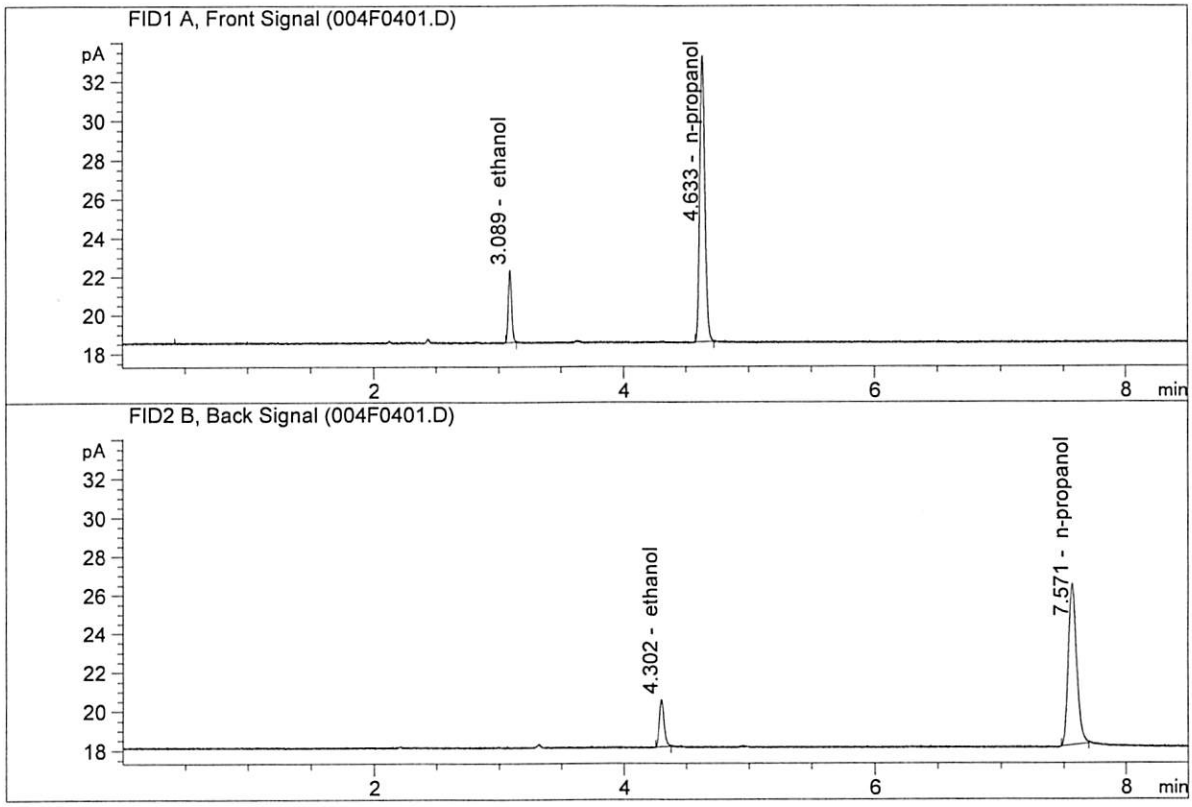


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.12763	0.0784	g/100cc
2.	Ethanol	Column 2:	6.72678	0.0740	g/100cc
3.	n-Propanol	Column 1:	43.10662	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.12728	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.98331	0.0785	g/100cc
2.	Ethanol	Column 2:	6.51629	0.0739	g/100cc
3.	n-Propanol	Column 1:	42.14570	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.88224	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 28 Jan 2016**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0807	0.0778	0.0029	0.0792	0.0786
(g/100cc)	0.0806	0.0756	0.0050	0.0781	

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number:
MD96BC1382/MD94AM10010

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

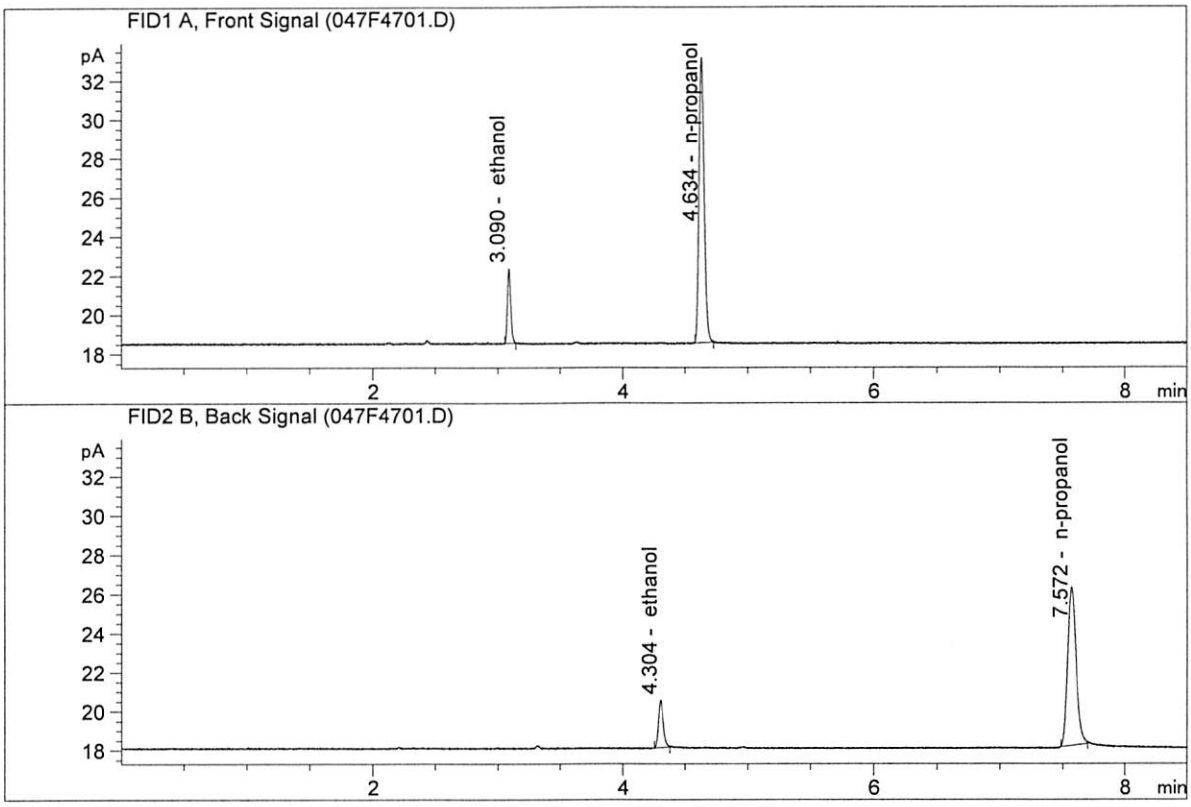
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	**0.074**	**0.082**	**0.004**

Reported Result
0.078

Calibration and control data are stored centrally. **Analyst:** NB **Page 2**

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

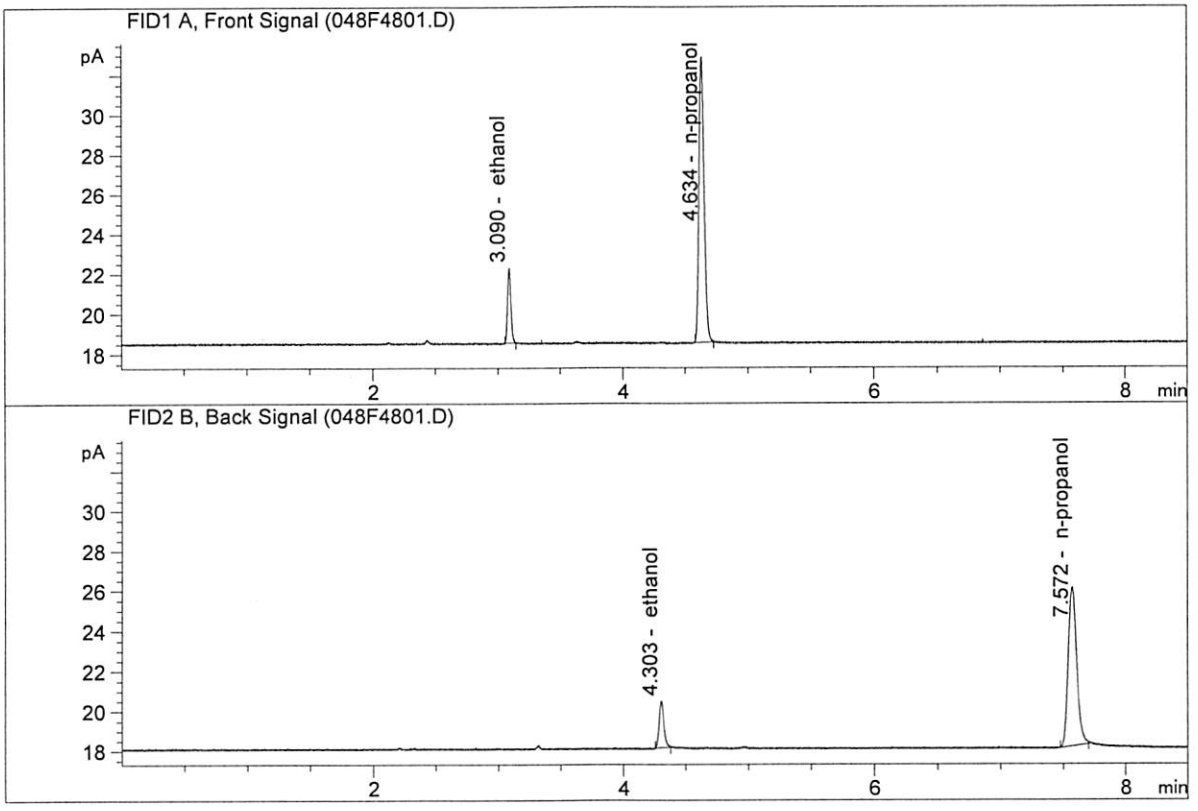


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.11756	0.0807	g/100cc
2.	Ethanol	Column 2:	6.69657	0.0778	g/100cc
3.	n-Propanol	Column 1:	41.80954	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.90311	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.96653	0.0806	g/100cc
2.	Ethanol	Column 2:	6.41656	0.0756	g/100cc
3.	n-Propanol	Column 1:	40.95194	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.37400	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 28 Jan 2016**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.2067	0.2037	0.0030	0.2052	0.2047
(g/100cc)	0.2058	0.2027	0.0031	0.2042	

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%**

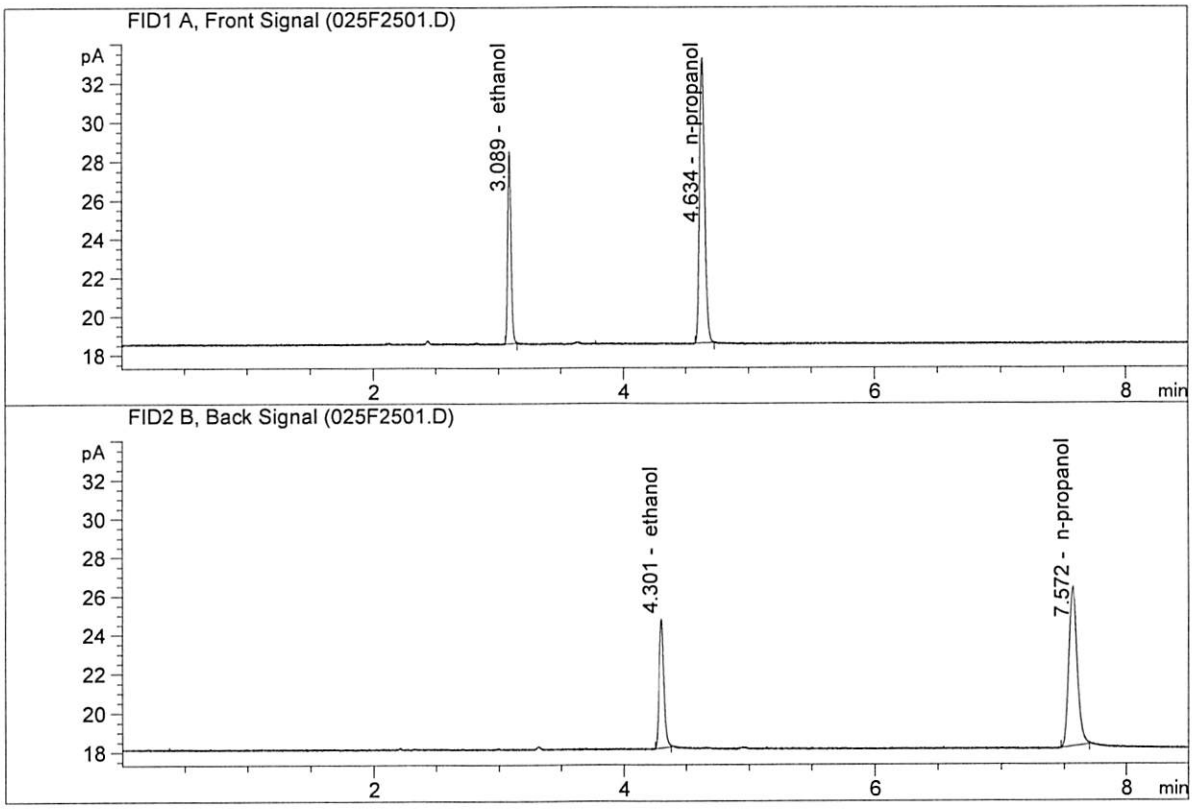
Overall Mean (g/100cc)	Low	High	5% of Mean
0.204	**0.193**	**0.215**	**0.011**

Reported Result
0.204

Calibration and control data are stored centrally. **Analyst:** NB **Page 2**

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

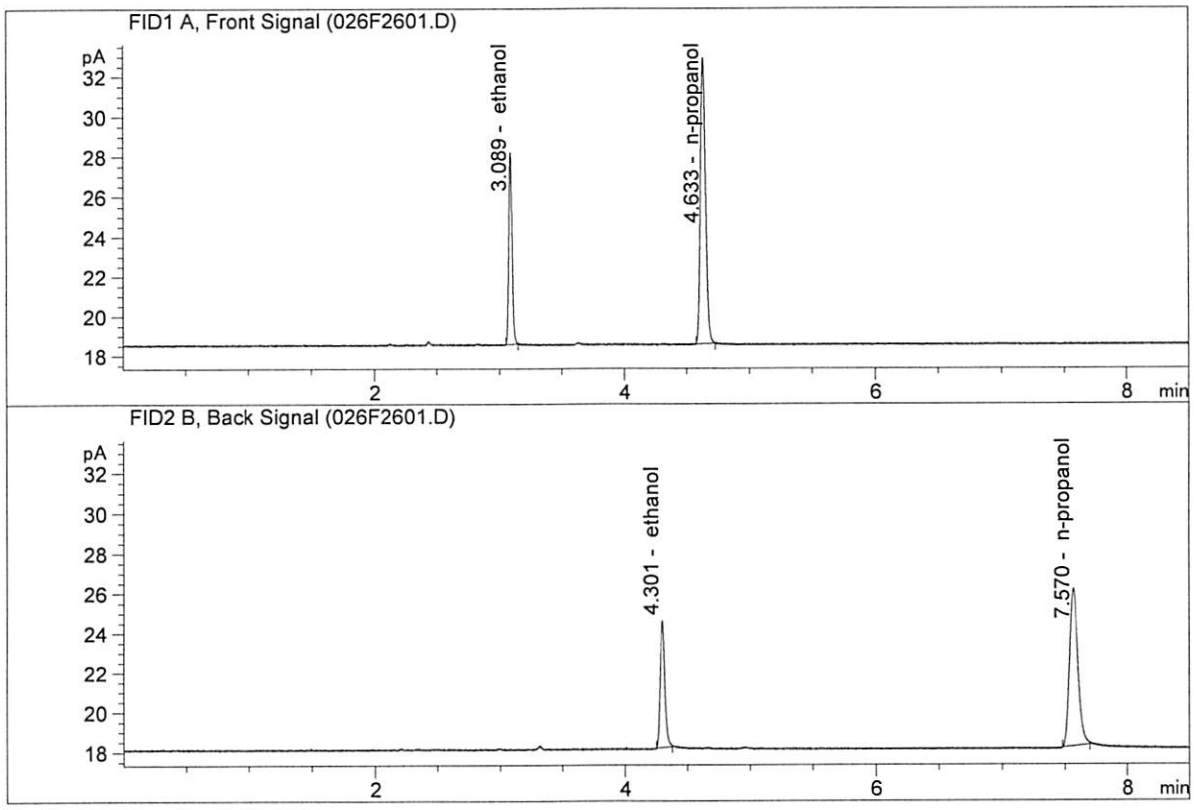


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.34467	0.2067	g/100cc
2.	Ethanol	Column 2:	17.77997	0.2037	g/100cc
3.	n-Propanol	Column 1:	42.05690	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.46948	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.77485	0.2058	g/100cc
2.	Ethanol	Column 2:	17.11039	0.2027	g/100cc
3.	n-Propanol	Column 1:	40.93598	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.17460	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 29 Jan 2016**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.2083	0.2062	0.0021	0.2072	0.2082
(g/100cc)	0.2108	0.2075	0.0033	0.2091	

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%

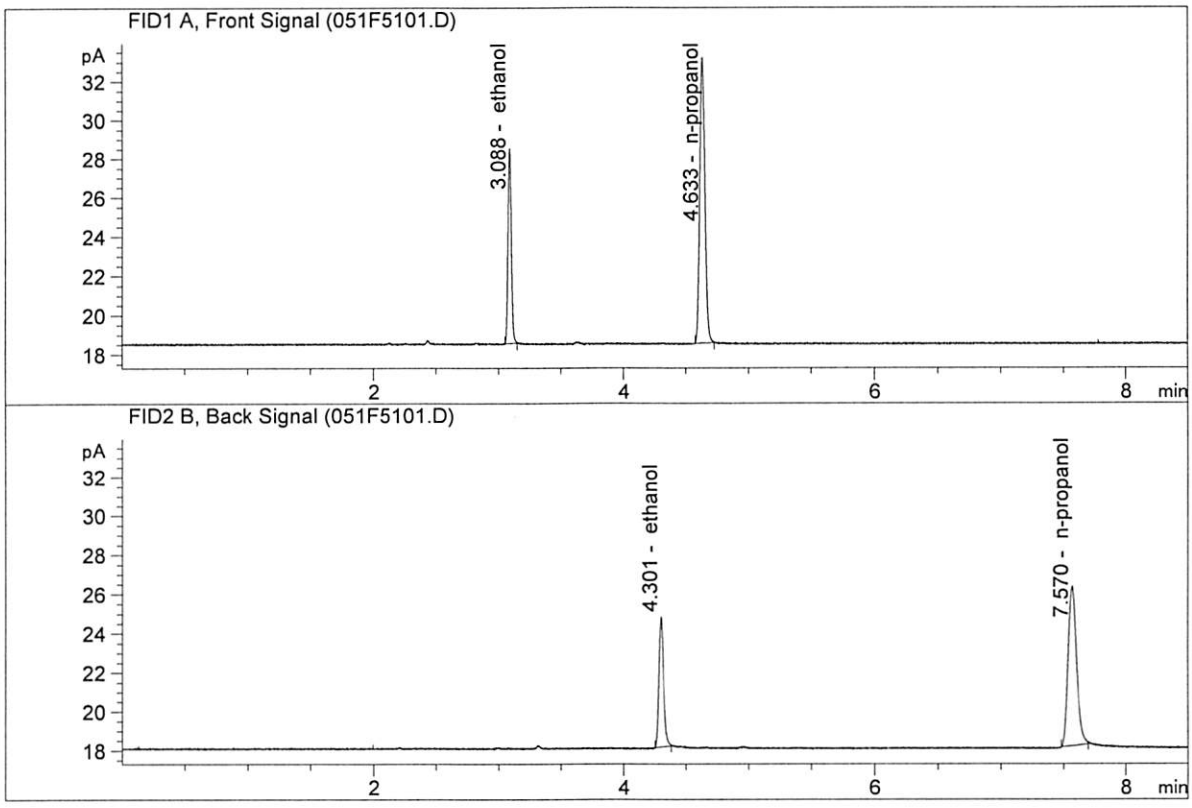
Overall Mean (g/100cc)	Low	High	5% of Mean
0.208	**0.197**	**0.219**	**0.011**

Reported Result
0.208

Calibration and control data are stored centrally. **Analyst:** NB **Page 2**

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

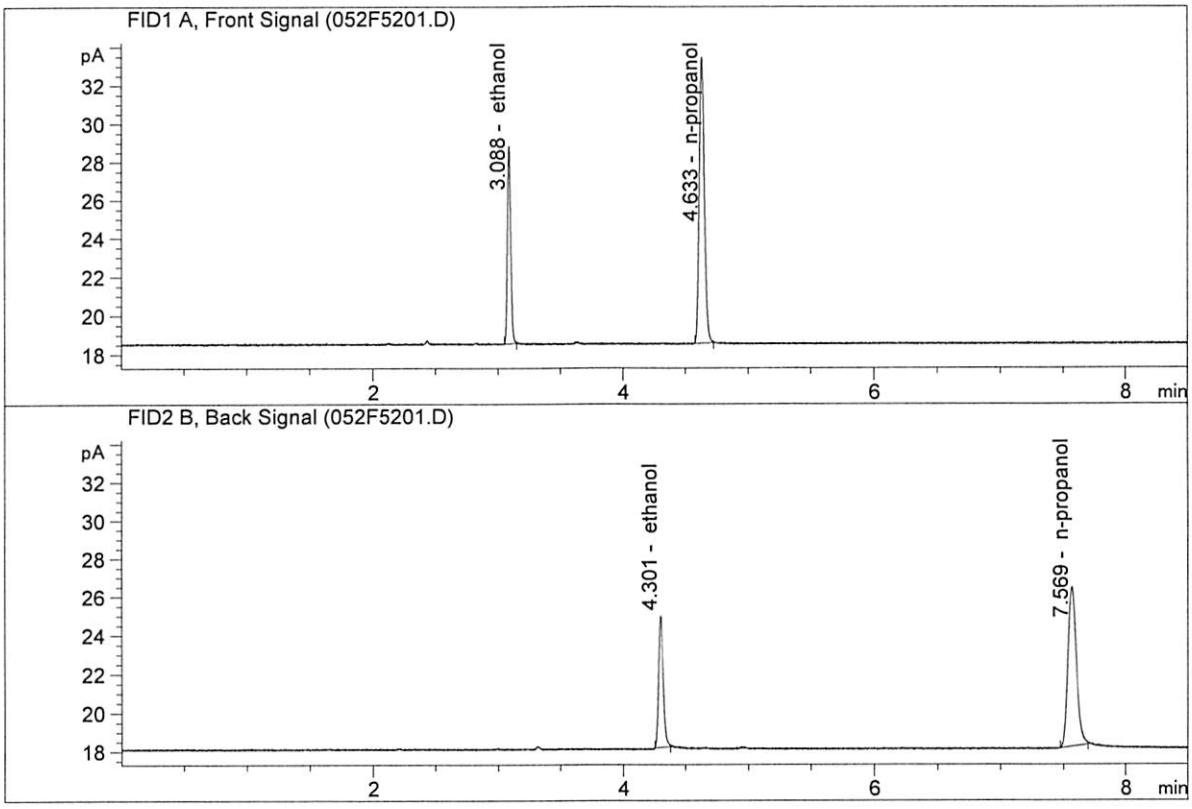


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.42190	0.2083	g/100cc
2.	Ethanol	Column 2:	17.77844	0.2062	g/100cc
3.	n-Propanol	Column 1:	41.91711	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.99933	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.87682	0.2108	g/100cc
2.	Ethanol	Column 2:	18.19225	0.2075	g/100cc
3.	n-Propanol	Column 1:	42.44529	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.64943	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09051304 **Analysis Date(s): 28 Jan 2016**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0800	0.0752	0.0048	0.0776	0.0773
(g/100cc)	0.0794	0.0748	0.0046	0.0771	

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%**

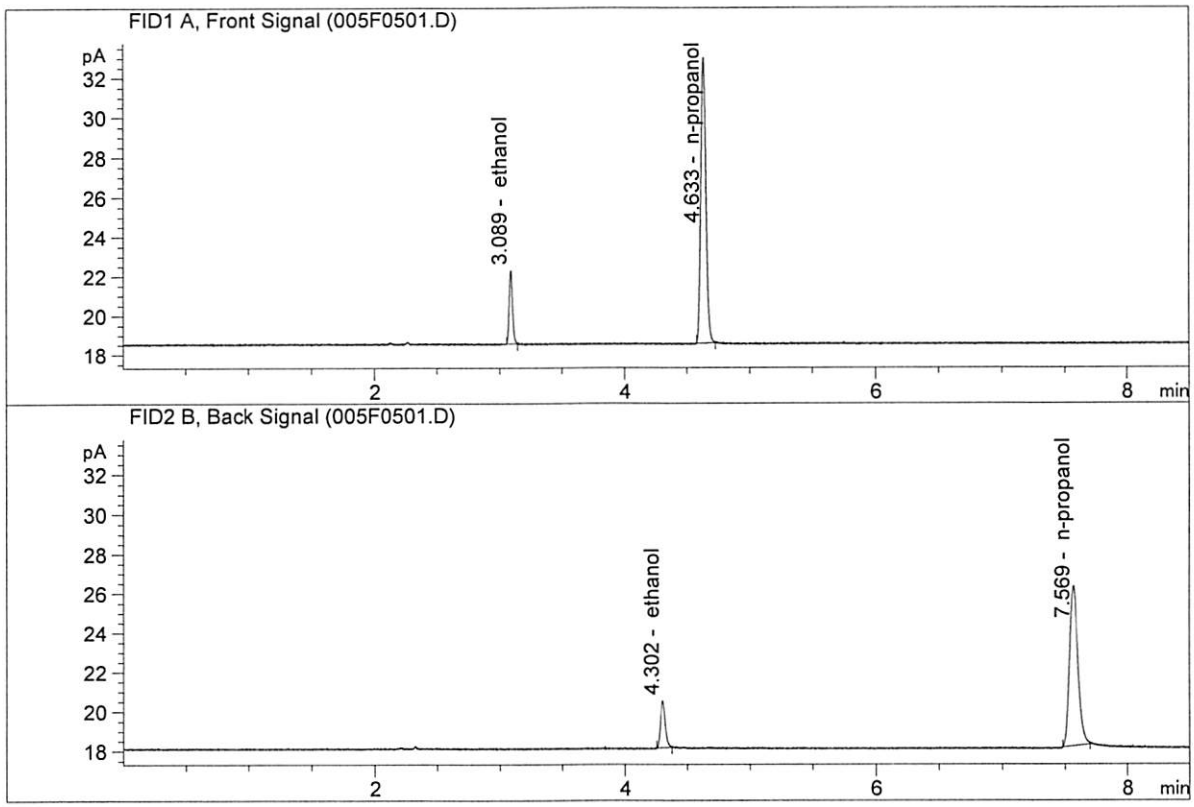
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	**0.073**	**0.081**	**0.004**

Reported Result
0.077

Calibration and control data are stored centrally. **Analyst:** NB **Page 2**

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-A
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

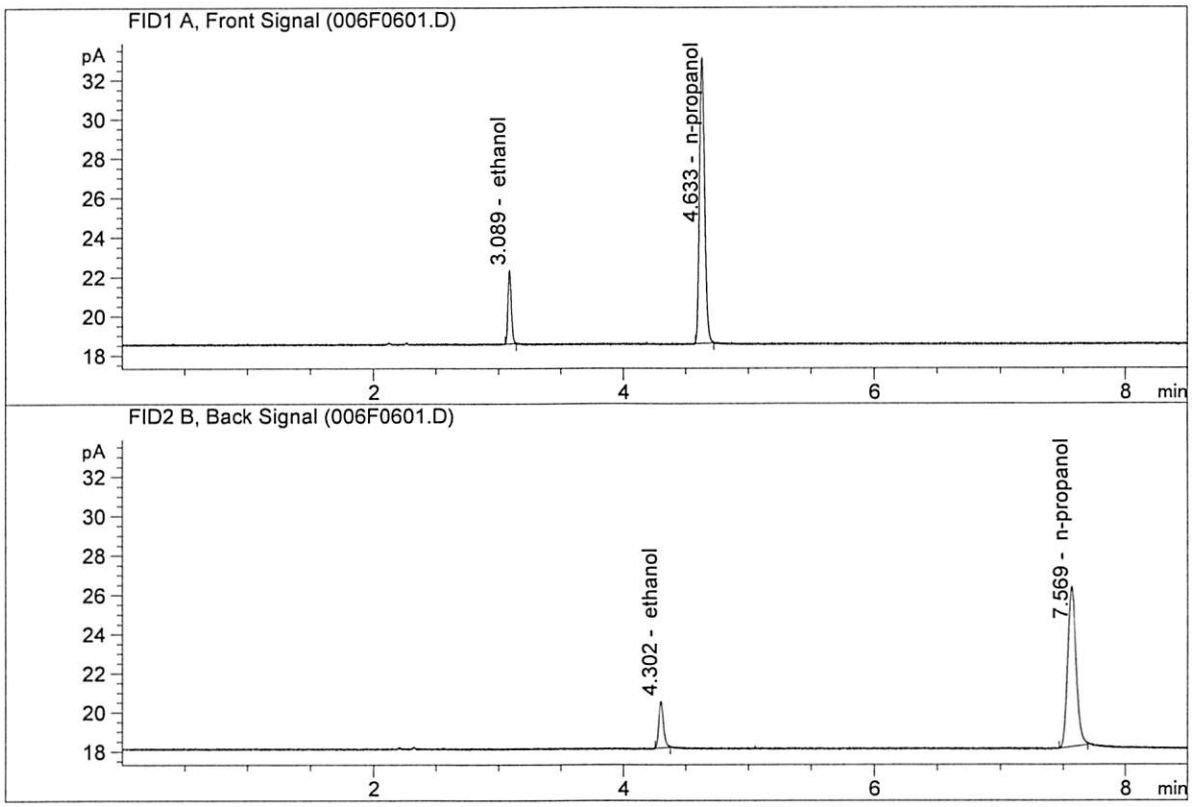


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.98594	0.0800	g/100cc
2.	Ethanol	Column 2:	6.47775	0.0752	g/100cc
3.	n-Propanol	Column 1:	41.38677	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.94980	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-B
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

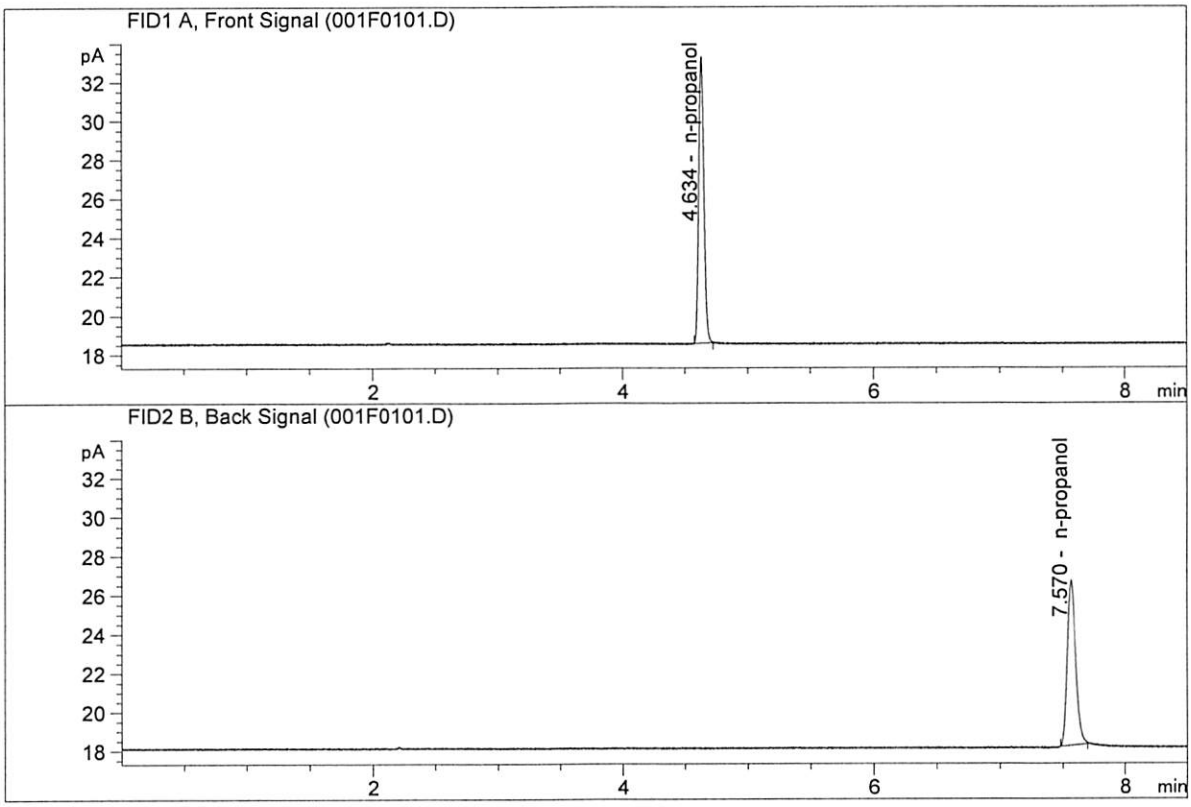


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.97112	0.0794	g/100cc
2.	Ethanol	Column 2:	6.52192	0.0748	g/100cc
3.	n-Propanol	Column 1:	41.61992	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.42676	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

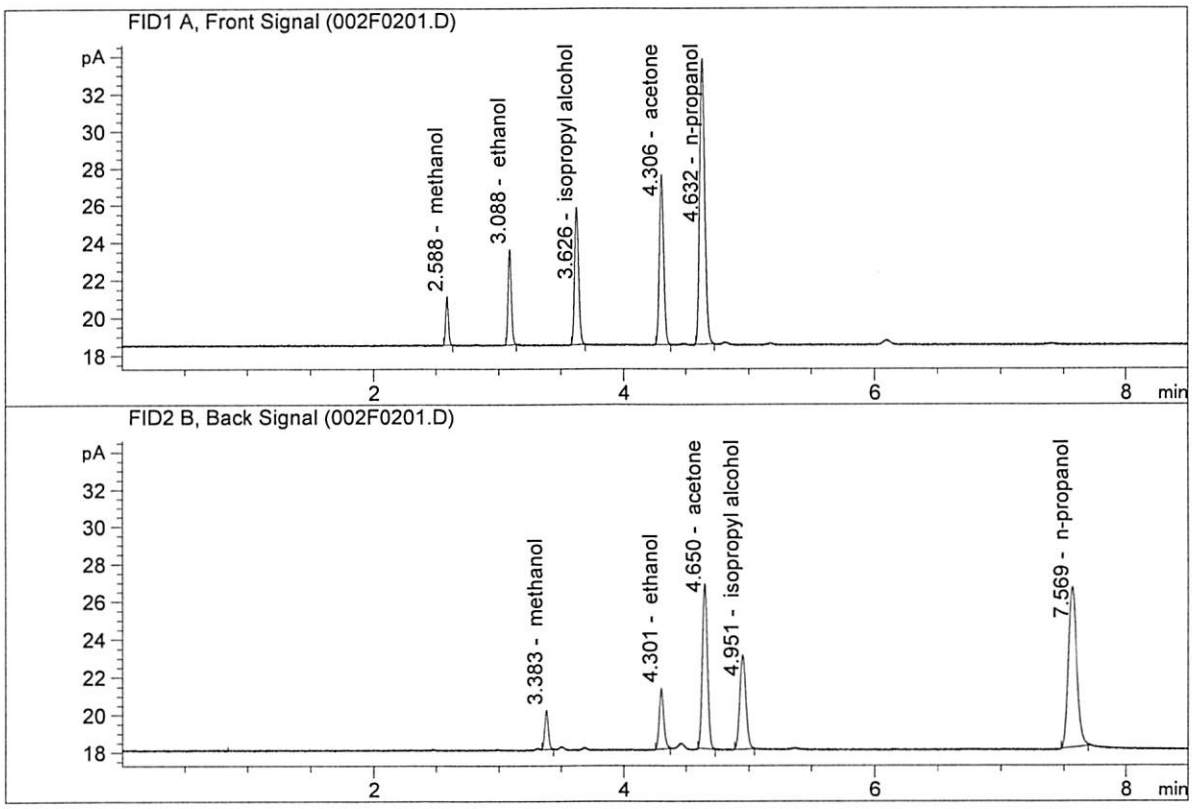


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.17573	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.64165	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN09231404
Laboratory : Meridian
Injection Date : Jan 28, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

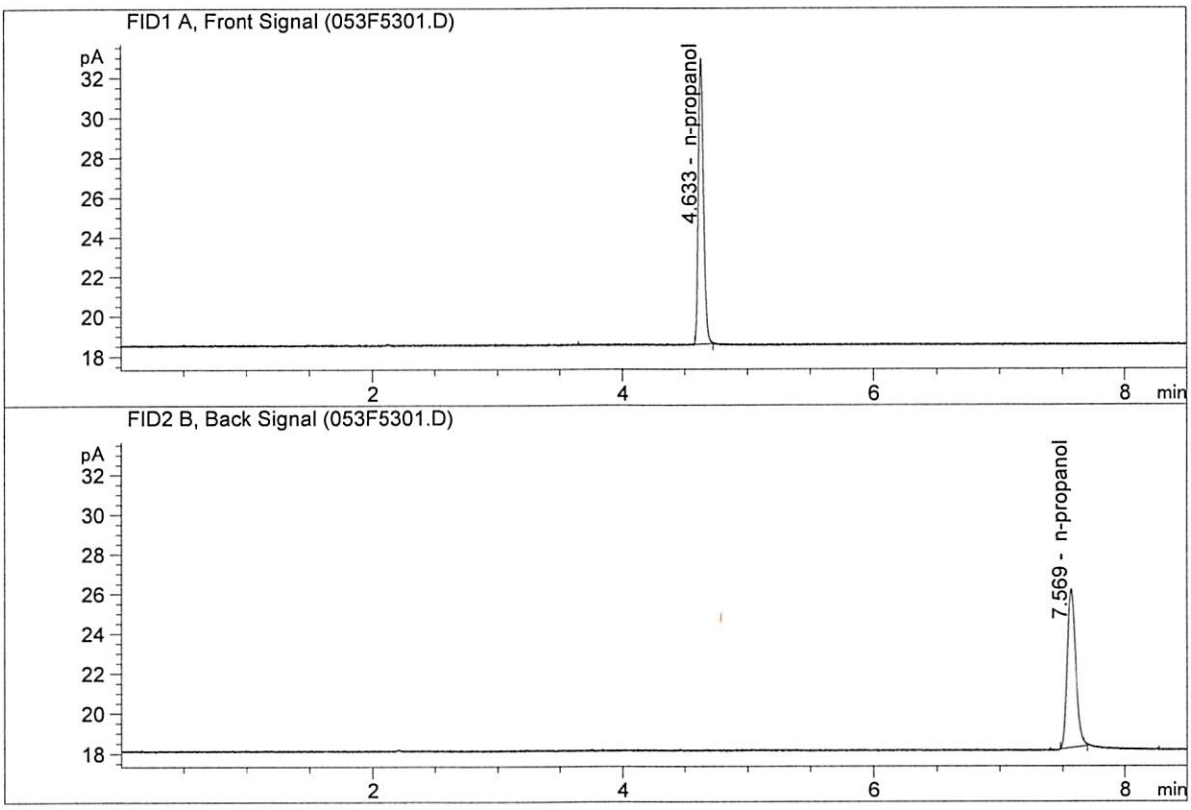


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.11837	0.1002	g/100cc
2.	Ethanol	Column 2:	8.61747	0.0956	g/100cc
3.	n-Propanol	Column 1:	43.13300	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.74432	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

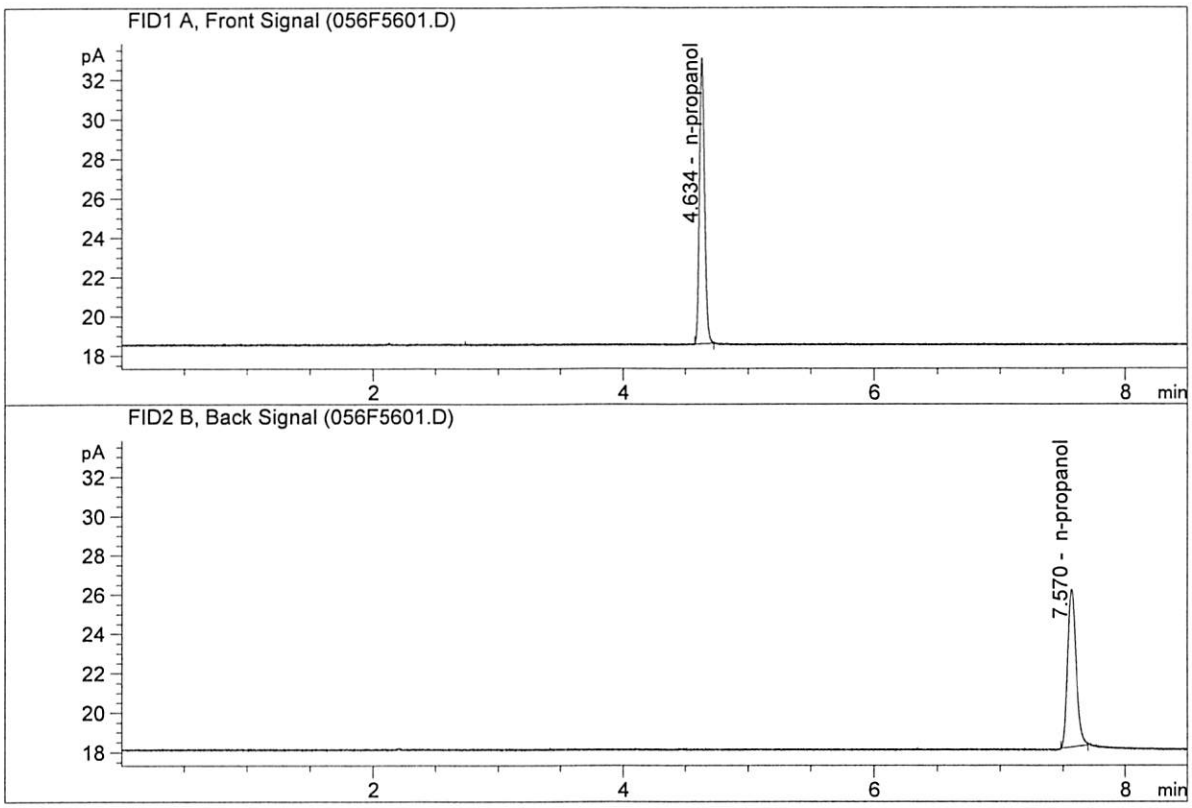


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.86466	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.00010	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK a
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

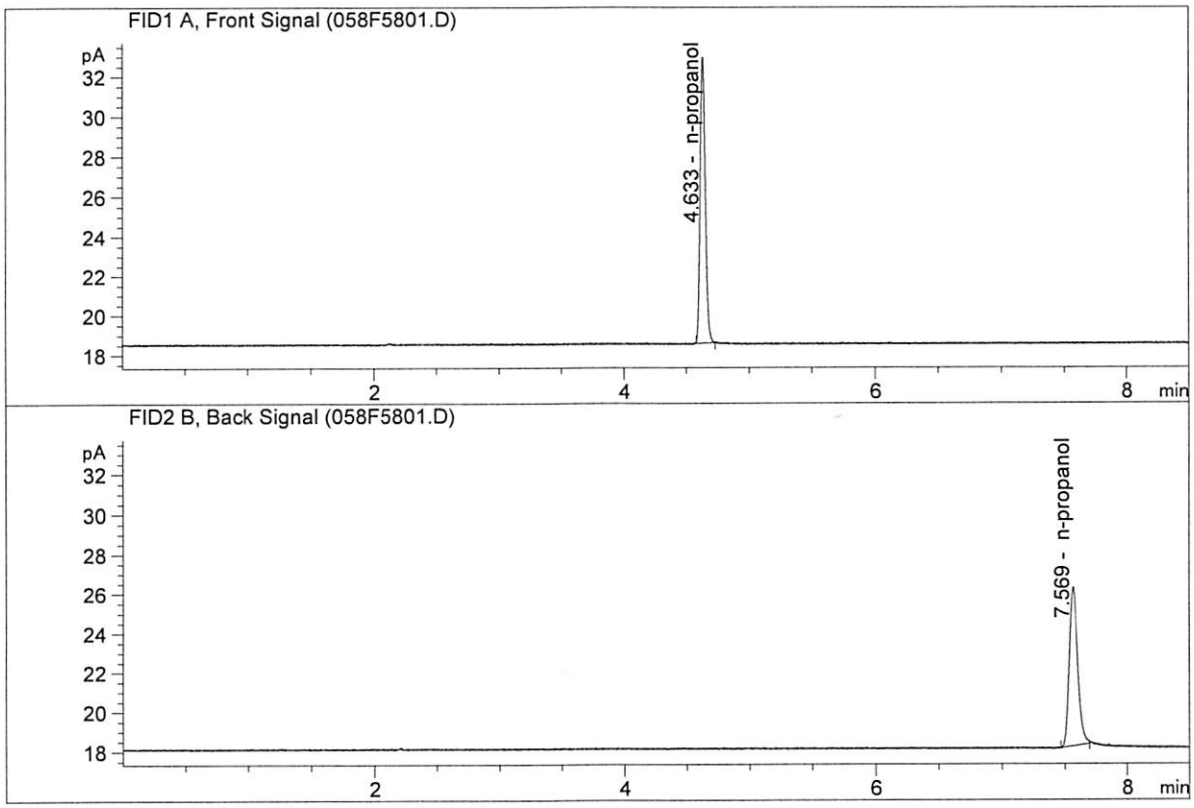


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.41652	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.39131	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK b
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

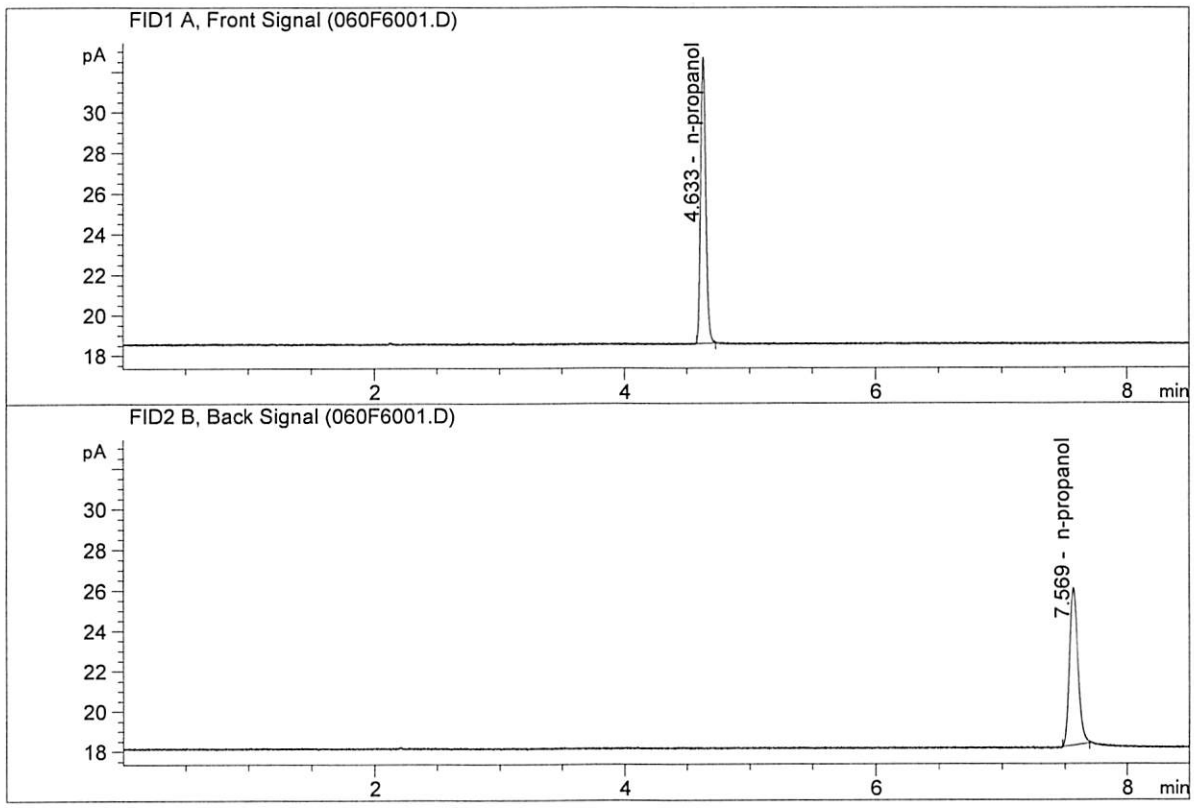


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.19695	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.60290	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK c
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

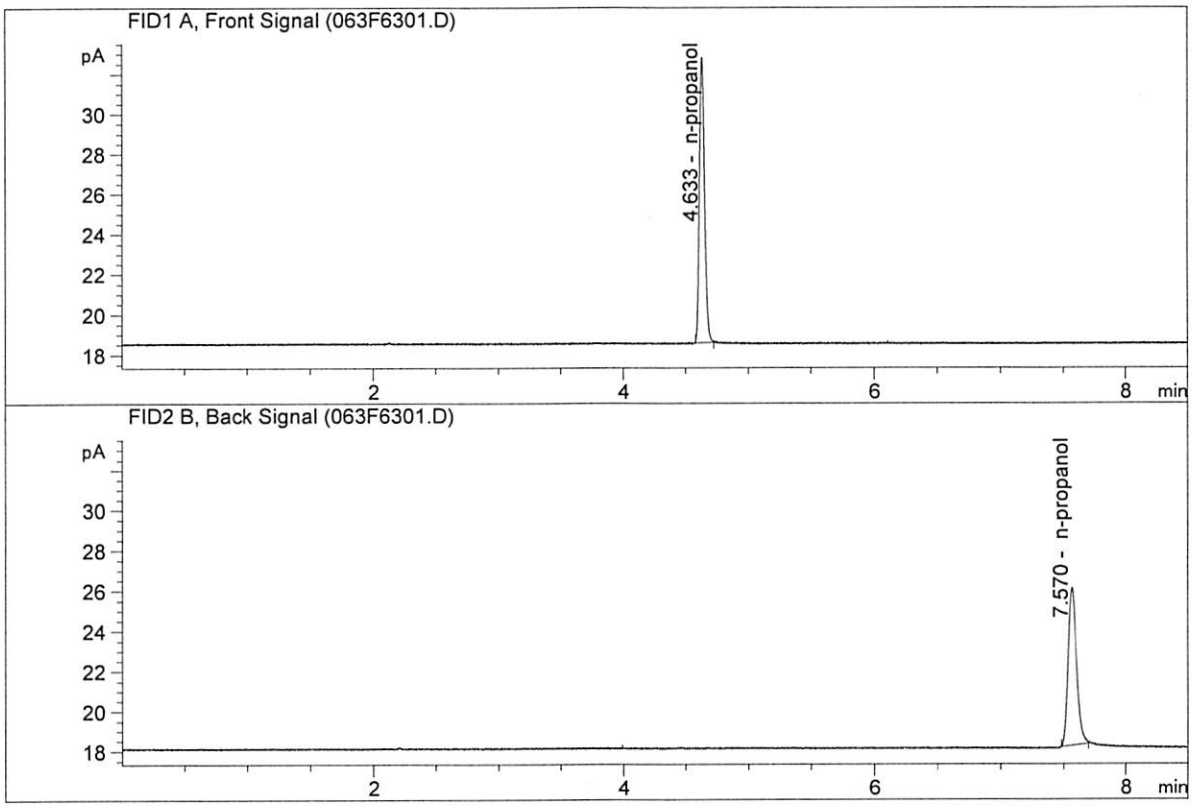


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.43028	1.0000	g/100cc
4.	n-Propanol	Column 2:	37.55532	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK d
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

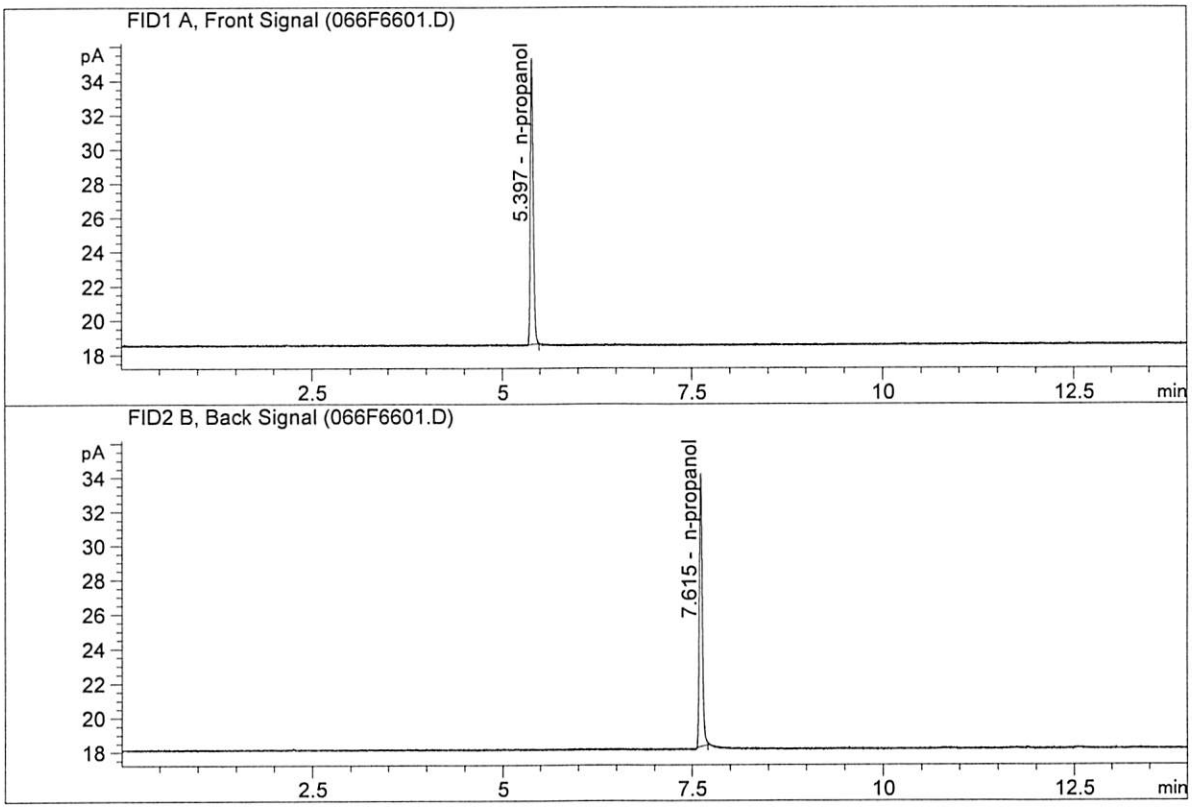


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.63494	1.0000	g/100cc
4.	n-Propanol	Column 2:	37.74601	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK vol a
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : VOLATILES.M
Acq. Instrument: CN11180014-CN11041167

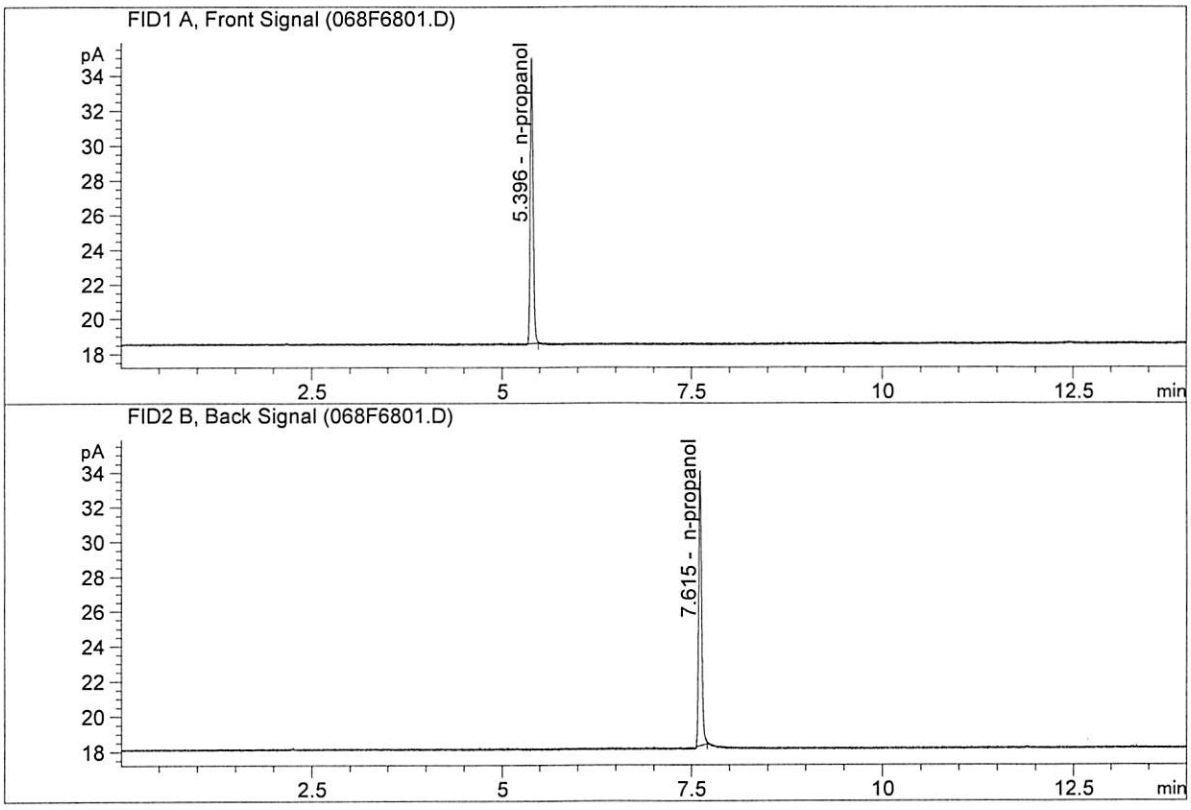


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.68239	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.49778	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK vol b
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : VOLATILES.M
Acq. Instrument: CN11180014-CN11041167

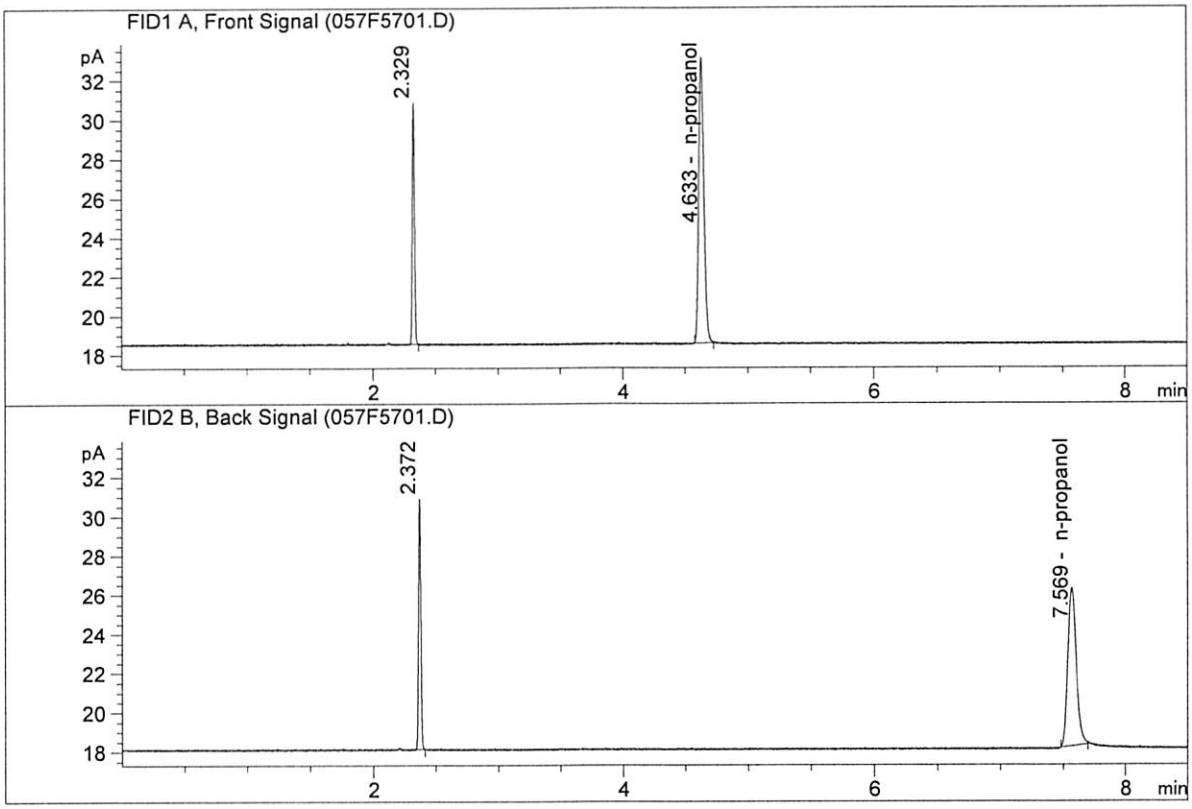


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.16167	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.11927	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : difluoroethane 111914OM
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

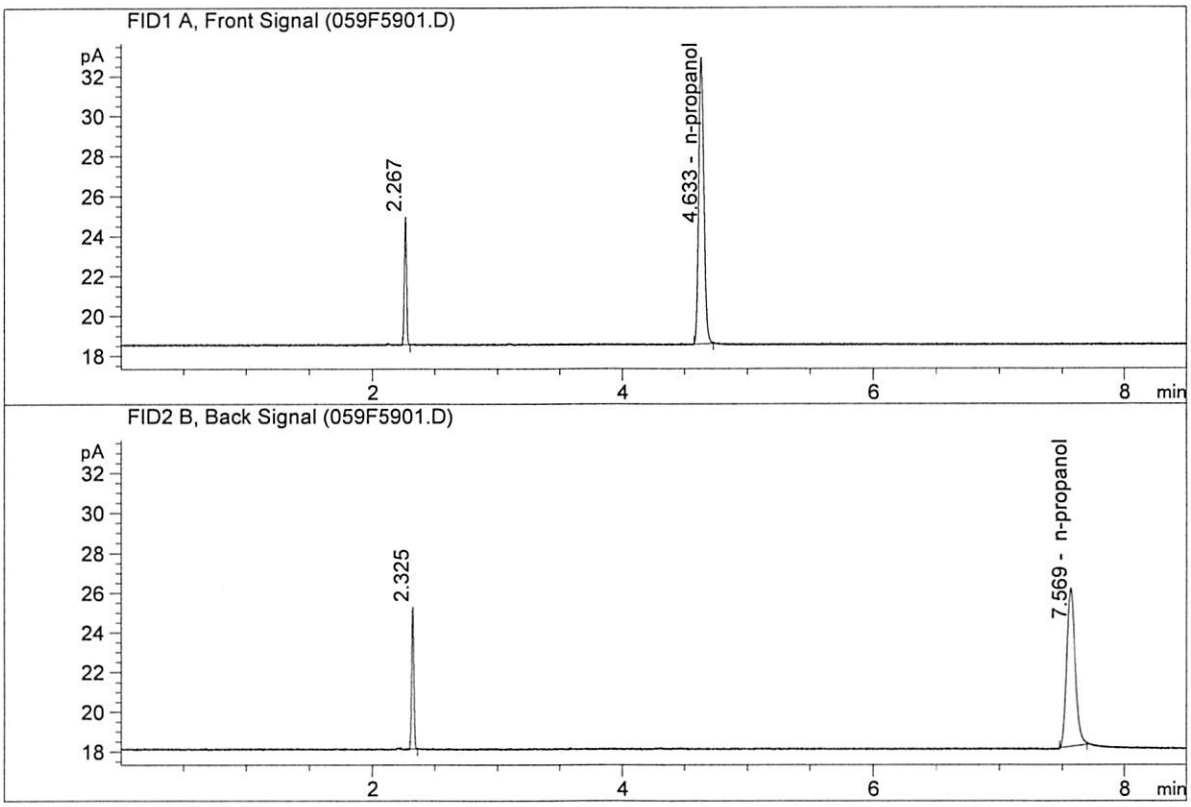


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.54305	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.61379	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : tetrafluoroethane 111914
Laboratory : Meridian
Injection Date : Jan 29, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

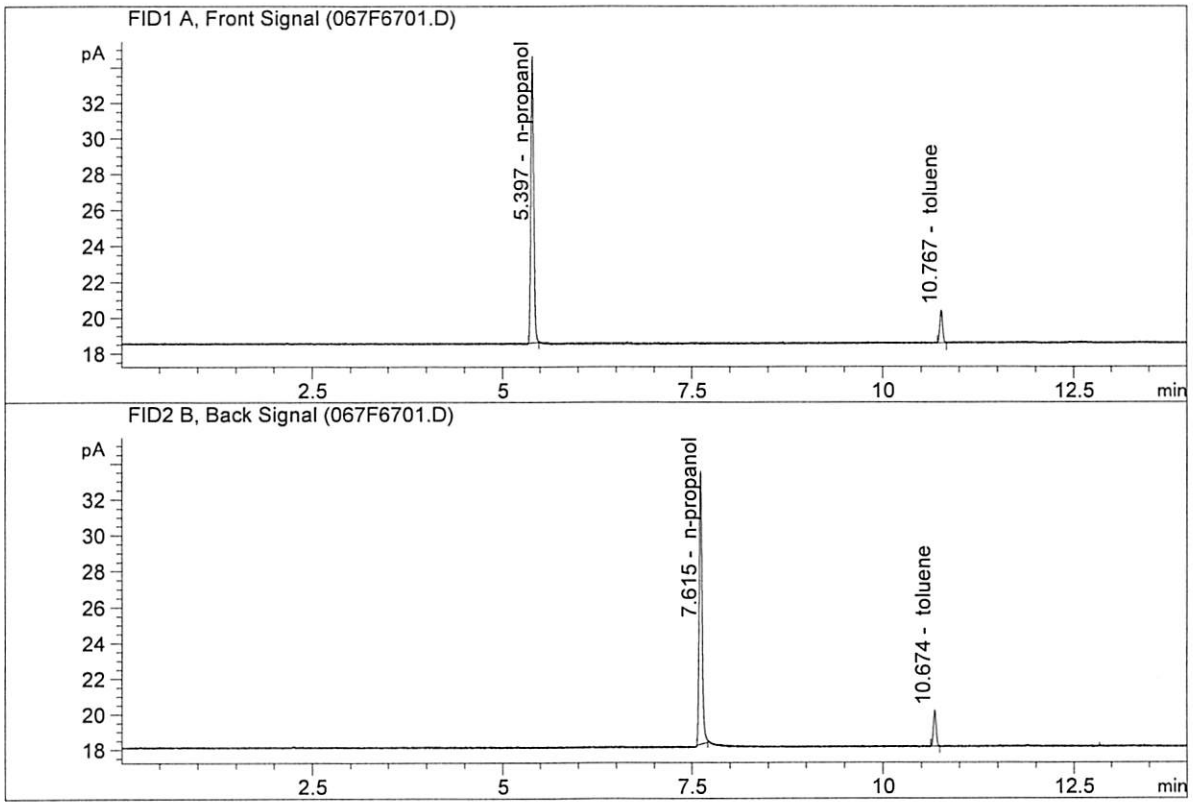


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.06980	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.20938	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : toluene 002007
Laboratory : Meridian
Injection Date : Jan 29, 2016
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:	41.86331	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.74009	1.0000	g/100cc

NB

Sample Summary

Sequence table: C:\Chem32\1\Data\01-28-16_SAMPLES\01-28-16_SAMPLES 2016-01-28 15-37-31\01-28-16_SAMPLES.S
Data directory path: C:\Chem32\1\Data\01-28-16_SAMPLES\01-28-16_SAMPLES 2016-01-28 15-37-31\
Logbook: C:\Chem32\1\Data\01-28-16_SAMPLES\01-28-16_SAMPLES 2016-01-28 15-37-31\01-28-16_SAMPLES.LOG
Sequence start: 1/28/2016 3:52:20 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\01-28-16_SAMPLES\01-28-16_SAMPLES 2016-01-28 15-37-31\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 FN09051304-	-	1.0000	005F0501.D	4
6	6	1	0.08 FN09051304-	-	1.0000	006F0601.D	4
7	7	1	M2016-0152-1-A	-	1.0000	007F0701.D	2
8	8	1	M2016-0152-1-B	-	1.0000	008F0801.D	2
9	9	1	M2016-0190-1-A	-	1.0000	009F0901.D	4
10	10	1	M2016-0190-1-B	-	1.0000	010F1001.D	4
11	11	1	M2016-0278-1-A	-	1.0000	011F1101.D	4
12	12	1	M2016-0278-1-B	-	1.0000	012F1201.D	4
13	13	1	M2016-0300-1-A	-	1.0000	013F1301.D	2
14	14	1	M2016-0300-1-B	-	1.0000	014F1401.D	2
15	15	1	M2016-0301-1-A	-	1.0000	015F1501.D	4
16	16	1	M2016-0301-1-B	-	1.0000	016F1601.D	4
17	17	1	M2016-0302-1-A	-	1.0000	017F1701.D	4
18	18	1	M2016-0302-1-B	-	1.0000	018F1801.D	4
19	19	1	M2016-0305-1-A	-	1.0000	019F1901.D	4
20	20	1	M2016-0305-1-B	-	1.0000	020F2001.D	4
21	21	1	M2016-0329-1-A	-	1.0000	021F2101.D	4
22	22	1	M2016-0329-1-B	-	1.0000	022F2201.D	4
23	23	1	M2016-0330-1-A	-	1.0000	023F2301.D	4
24	24	1	M2016-0330-1-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	M2016-0331-1-A	-	1.0000	027F2701.D	2
28	28	1	M2016-0331-1-B	-	1.0000	028F2801.D	2
29	29	1	M2016-0341-1-A	-	1.0000	029F2901.D	4
30	30	1	M2016-0341-1-B	-	1.0000	030F3001.D	4
31	31	1	M2016-0343-1-A	-	1.0000	031F3101.D	4
32	32	1	M2016-0343-1-B	-	1.0000	032F3201.D	4
33	33	1	M2016-0344-1-A	-	1.0000	033F3301.D	4
34	34	1	M2016-0344-1-B	-	1.0000	034F3401.D	4
35	35	1	M2016-0345-1-A	-	1.0000	035F3501.D	4
36	36	1	M2016-0345-1-B	-	1.0000	036F3601.D	4
37	37	1	M2016-0346-1-A	-	1.0000	037F3701.D	4
38	38	1	M2016-0346-1-B	-	1.0000	038F3801.D	4
39	39	1	M2016-0347-1-A	-	1.0000	039F3901.D	4
40	40	1	M2016-0347-1-B	-	1.0000	040F4001.D	4
41	41	1	M2016-0358-1-A	-	1.0000	041F4101.D	4
42	42	1	M2016-0358-1-B	-	1.0000	042F4201.D	4
43	43	1	M2016-0371-1-A	-	1.0000	043F4301.D	2

NB

Sequence File C:\Chem32\...6_SAMPLES\01-28-16_SAMPLES 2016-01-28 15-37-31\01-28-16_SAMPLES.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
44	44	1	M2016-0371-1-B	-	1.0000	044F4401.D		2
45	45	1	P2016-0129-1-A	-	1.0000	045F4501.D		4
46	46	1	P2016-0129-1-B	-	1.0000	046F4601.D		4
47	47	1	QC1-2-A	-	1.0000	047F4701.D		4
48	48	1	QC1-2-B 0166 NB	-	1.0000	048F4801.D		4
49	49	1	P2016-~~01166~~-2-A	-	1.0000	049F4901.D		4
50	50	1	P2016-~~01166~~-2-B	-	1.0000	050F5001.D		4
51	51	1	QC2-2-A 0166 NB	-	1.0000	051F5101.D		4
52	52	1	QC2-2-B	-	1.0000	052F5201.D		4
53	53	1	INTERNAL STD BLK	-	1.0000	053F5301.D		2
54	54	1	M2016-0218-1-Qua	-	1.0000	054F5401.D		2
55	55	1	M2016-0218-1-Qua	-	1.0000	055F5501.D		2
56	56	1	INTERNAL STD BLK	-	1.0000	056F5601.D		2
57	57	1	difluoroethane 1	-	1.0000	057F5701.D		2
58	58	1	INTERNAL STD BLK	-	1.0000	058F5801.D		2
59	59	1	tetrafluoroethan	-	1.0000	059F5901.D		2
60	60	1	INTERNAL STD BLK	-	1.0000	060F6001.D		2
61	61	1	P2015-2558-1-Qua	-	1.0000	061F6101.D		2
62	62	1	P2015-2558-1-Qua	-	1.0000	062F6201.D		2
63	63	1	INTERNAL STD BLK	-	1.0000	063F6301.D		2

Method file name: C:\Chem32\1\Data\01-28-16_SAMPLES\01-28-16_SAMPLES 2016-01-28 15-37-31 \VOLATILES.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
64	64	1	P2015-2558-1-vol	-	1.0000	064F6401.D		2
65	65	1	P2015-2558-1-vol	-	1.0000	065F6501.D		2
66	66	1	INTERNAL STD BLK	-	1.0000	066F6601.D		2
67	67	1	toluene 002007	-	1.0000	067F6701.D		4
68	68	1	INTERNAL STD BLK	-	1.0000	068F6801.D		2

Method file name: C:\Chem32\1\Data\01-28-16_SAMPLES\01-28-16_SAMPLES 2016-01-28 15-37-31 \SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
69	69	1	EMPTY	-	1.0000	069F6901.D		0

NB