

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls

Run Date: 10/10/18

Calibration Date: 10/02/18

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0766 g/100cc 0.0801 g/100cc g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2080 g/100cc g/100cc g/100cc
Multi-Component mixture:		Exp date: Sept 2020	Lot #	FN06041502	OK
Curve Fit:		Column 1	1.00000	Column2	0.99996

Ethanol Calibration Reference Material

Calibrator level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0505	0.0517	0.0012	0.0511
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Aug-21	FN08101601	0.100	0.090 - 0.110	0.1000	0.1004	0.0004	0.1002
0.200	Dec-19	FN12011401	0.200	0.180 - 0.220	0.1999	0.1978	0.0021	0.1988
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2992	0.2987	0.0005	0.2989
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Sep-21	FN08031602	0.500	0.450 - 0.550	0.5005	0.5014	0.0009	0.5009

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	May-22	FN04171701	0.08000	0.076 - 0.084	0.082 g/100cc

Issued: 4/22/2015

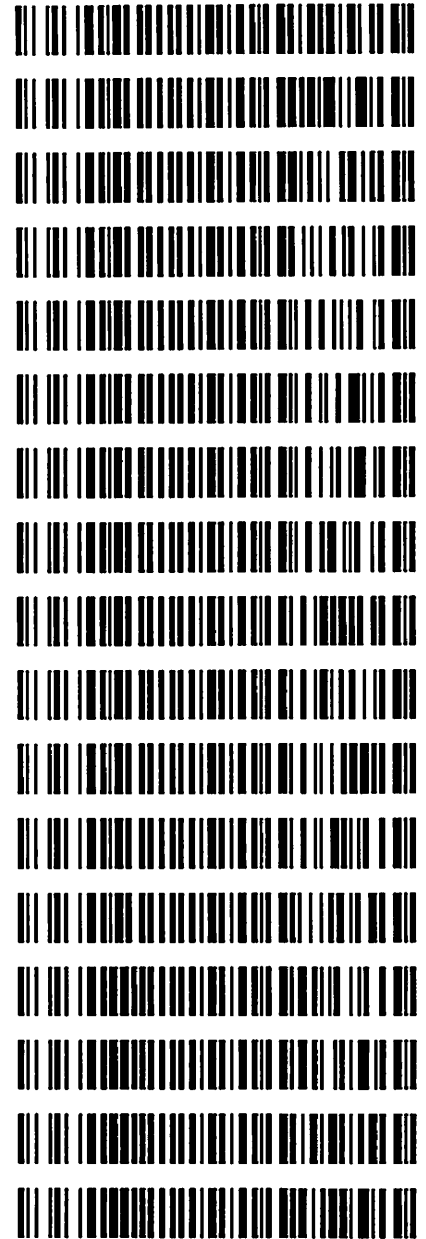
~Any information on this document can be changed for laboratory use, except for the precision and mean determination formulas.

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

Worklist: 2731

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2018-4894	1	127751	Alcohol Analysis
M2018-4952	1	128070	Alcohol Analysis
M2018-4973	1	128106	Alcohol Analysis
M2018-4986	1	128186	Alcohol Analysis
M2018-4995	1	128242	Alcohol Analysis
M2018-4996	1	128243	Alcohol Analysis
M2018-4997	1	128244	Alcohol Analysis
M2018-5008	1	128262	Alcohol Analysis
M2018-5049	1	128535	Alcohol Analysis
M2018-5050	1	128536	Alcohol Analysis
M2018-5052	1	128541	Alcohol Analysis
M2018-5060	1	128553	Alcohol Analysis
M2018-5072	1	128635	Alcohol Analysis
P2018-2773	1	127606	Alcohol Analysis
P2018-2774	1	127610	Alcohol Analysis
P2018-2803	1	127745	Alcohol Analysis
P2018-2810	1	127917	Alcohol Analysis



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Calibration Table
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General Calibration Setting

Calib. Data Modified : Tuesday, October 02, 2018 3:34:53 PM
Signals calculated separately : No

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100cc]	Name
1	1.00000	n-propanol
2	1.00000	n-propanol

Signal Details

Signal 1: FID1 A, Front Signal
Signal 2: FID2 B, Back Signal

Overview Table

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD #	Compound
2.586	1	1	1.00000	3.69669	2.70512e-1	No	No 1	methanol
2.809	1	1	1.00000	4.26100	2.34687e-1	No	No 2	Acetaldehyde
2.977	2	1	1.00000	4.26100	2.34687e-1	No	No 2	Acetaldehyde
3.075	1	1	5.00000e-2	4.51034	1.10856e-2	No	No 1	ethanol
		2	1.00000e-1	9.14883	1.09304e-2			
		3	2.00000e-1	18.33883	1.09058e-2			
		4	3.00000e-1	27.72149	1.08219e-2			
		5	5.00000e-1	45.75658	1.09274e-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	4.65279	1.07462e-2	No	No 2	ethanol
		2	1.00000e-1	9.51693	1.05076e-2			
		3	2.00000e-1	19.07490	1.04850e-2			
		4	3.00000e-1	29.11650	1.03034e-2			
		5	5.00000e-1	48.42757	1.03247e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	46.28908	2.16034e-2	No	Yes 1	n-propanol
		2	1.00000	46.89489	2.13243e-2			
		3	1.00000	46.75912	2.13862e-2			
		4	1.00000	47.14431	2.12115e-2			
		5	1.00000	46.45320	2.15270e-2			
4.661	2	1	1.00000	6.89301	1.45075e-1	No	No 2	acetone
4.969	2	1	1.00000	10.70642	9.34019e-2	No	No 2	isopropyl alcohol
7.550	2	1	1.00000	48.35091	2.06821e-2	No	Yes 2	n-propanol
		2	1.00000	48.66436	2.05489e-2			
		3	1.00000	48.36354	2.06767e-2			
		4	1.00000	48.51223	2.06134e-2			
		5	1.00000	47.77639	2.09308e-2			

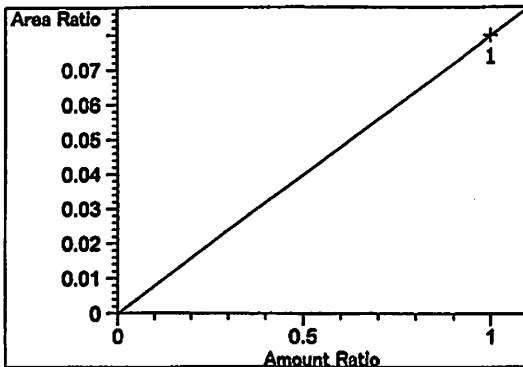
Peak Sum Table

No Entries in table

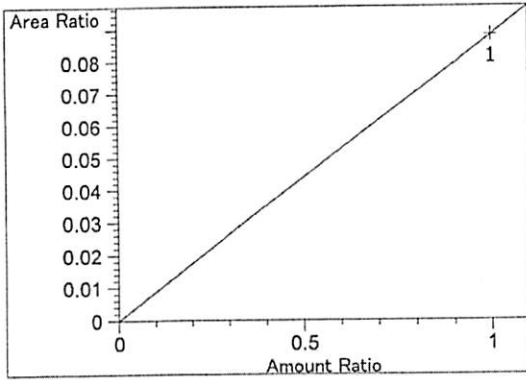
1 Warnings or Errors :

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

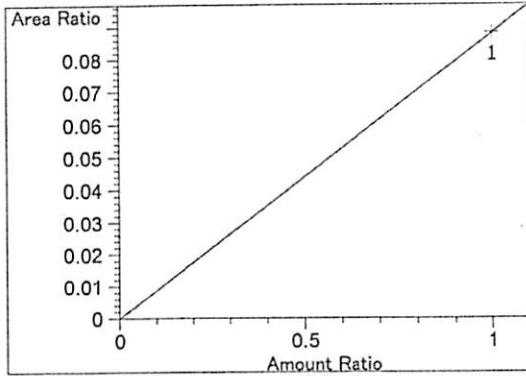
Calibration Curves



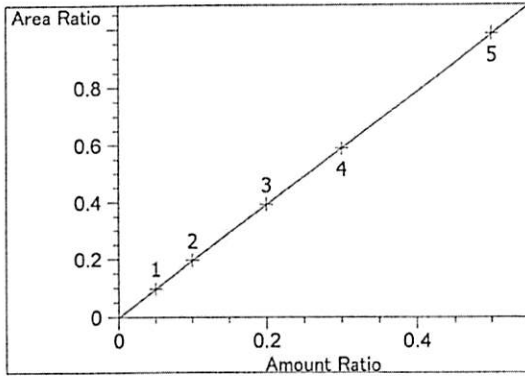
methanol at exp. RT: 2.586
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 7.98611e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



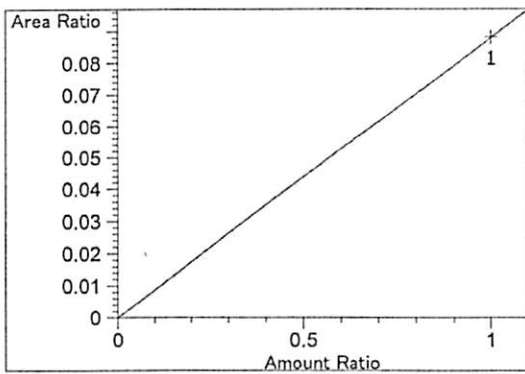
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 8.81266e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 8.81266e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

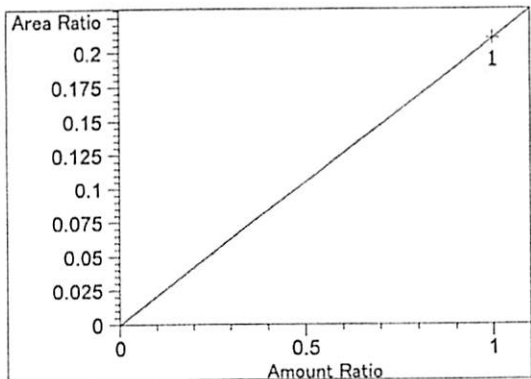


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00119
Formula: $y = mx + b$
m: 1.97223
b: -2.06307e-3
x: Amount Ratio
y: Area Ratio

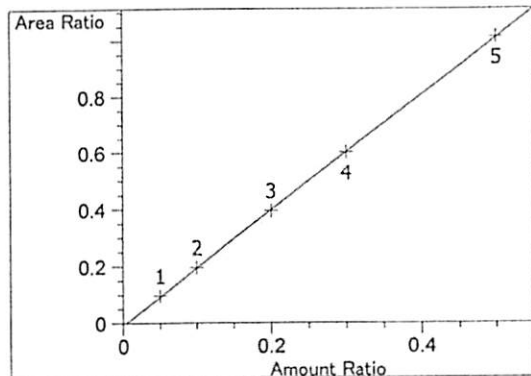


methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 8.81188e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

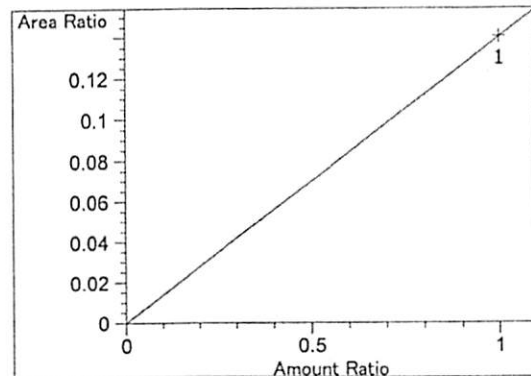
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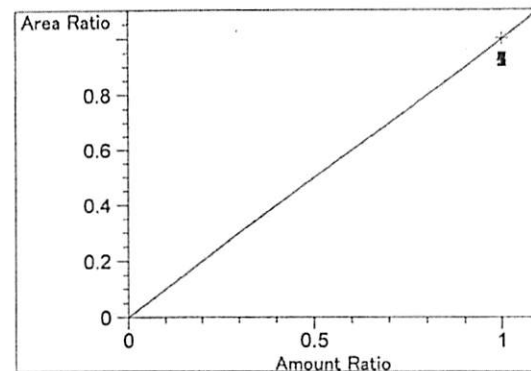
isopropyl alcohol at exp. RT: 3.628
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 2.10213e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



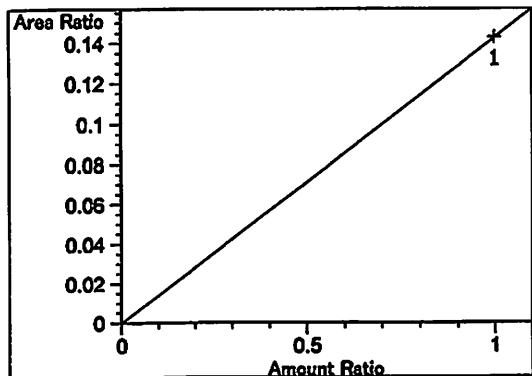
ethanol at exp. RT: 4.285
 FID2 B, Back Signal
 Correlation: 0.99996
 Residual Std. Dev.: 0.00394
 Formula: $y = mx + b$
 m: 2.03997
 b: -9.19040e-3
 x: Amount Ratio
 y: Area Ratio



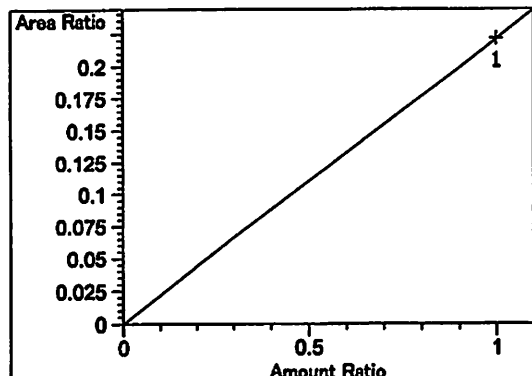
acetone at exp. RT: 4.308
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.40409e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



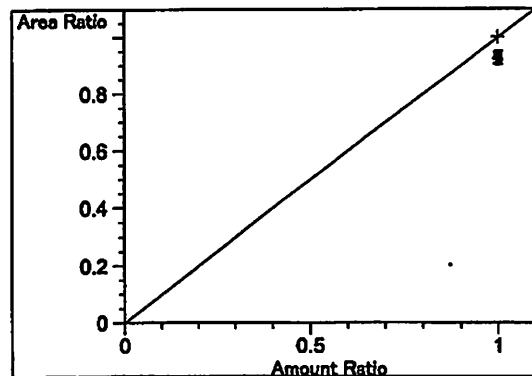
n-propanol at exp. RT: 4.620
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.00000
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.42562e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 2.21432e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



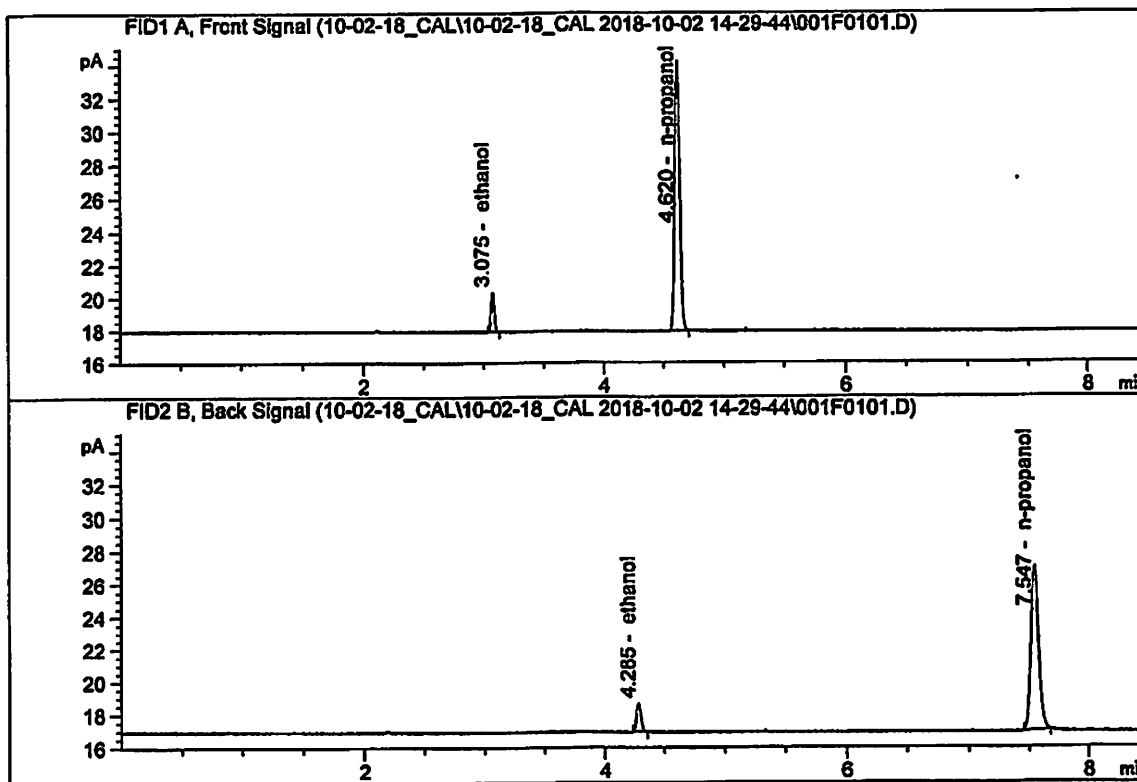
n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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26

ISP Forensic Services Blood Alcohol Report

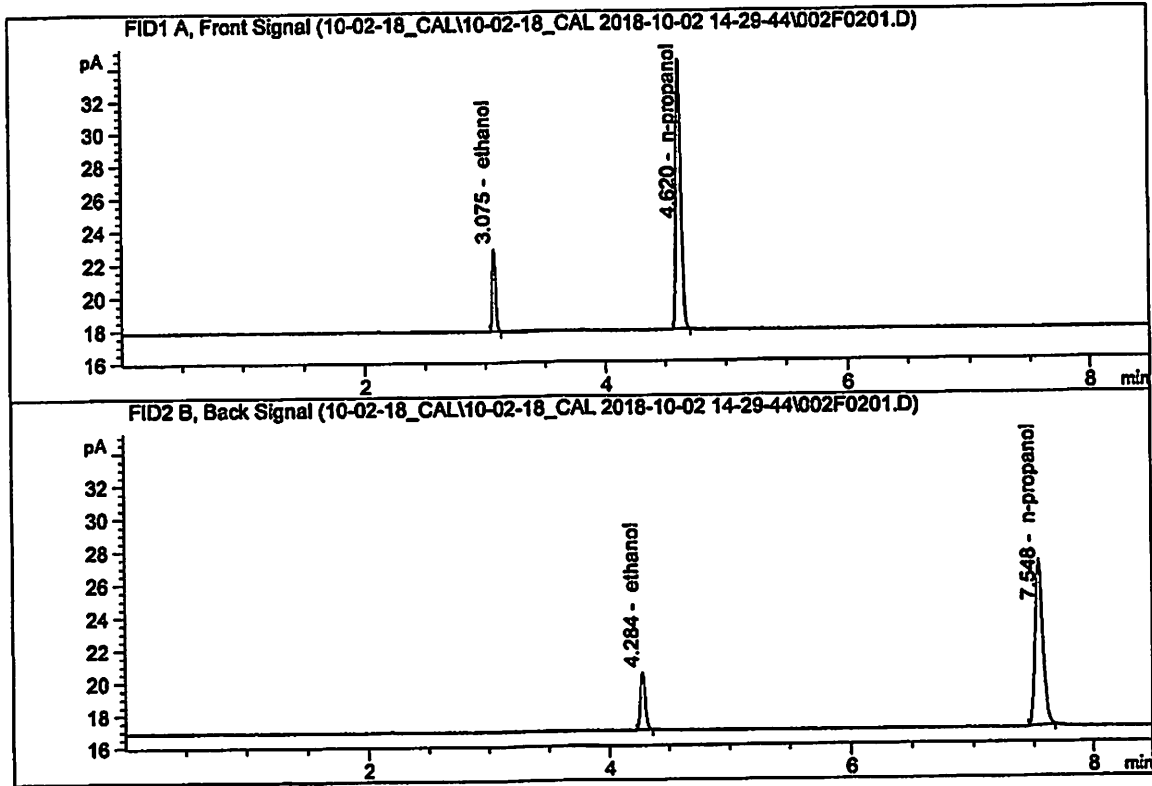
Sample Name : 0.050 FN06231406
 Laboratory : Meridian
 Injection Date : Oct 2, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.51034	0.0505	g/100cc
2.	Ethanol	Column 2:	4.65279	0.0517	g/100cc
3.	n-Propanol	Column 1:	46.28908	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.35091	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

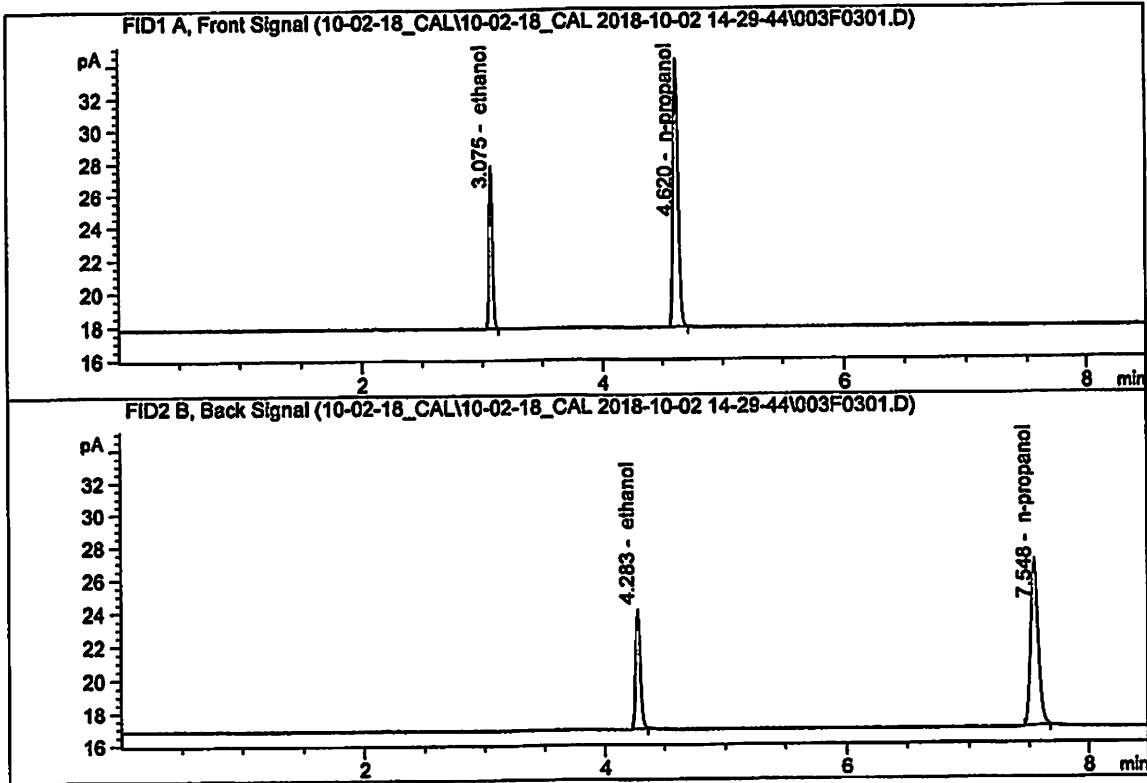
Sample Name : 0.100 FN08101601
 Laboratory : Meridian
 Injection Date : Oct 2, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.14883	0.1000	g/100cc
2.	Ethanol	Column 2:	9.51693	0.1004	g/100cc
3.	n-Propanol	Column 1:	46.89489	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.66436	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

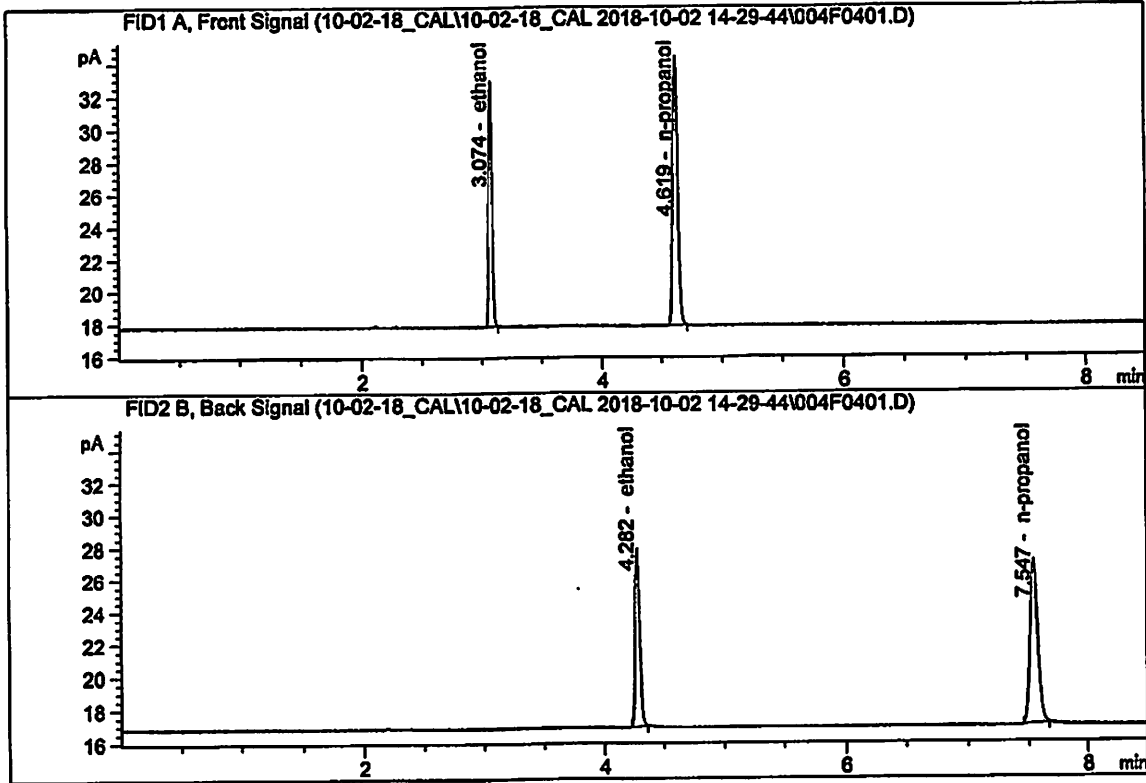
Sample Name : 0.200 FN12011401
 Laboratory : Meridian
 Injection Date : Oct 2, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.33883	0.1999	g/100cc
2.	Ethanol	Column 2:	19.07490	0.1978	g/100cc
3.	n-Propanol	Column 1:	46.75912	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.36354	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

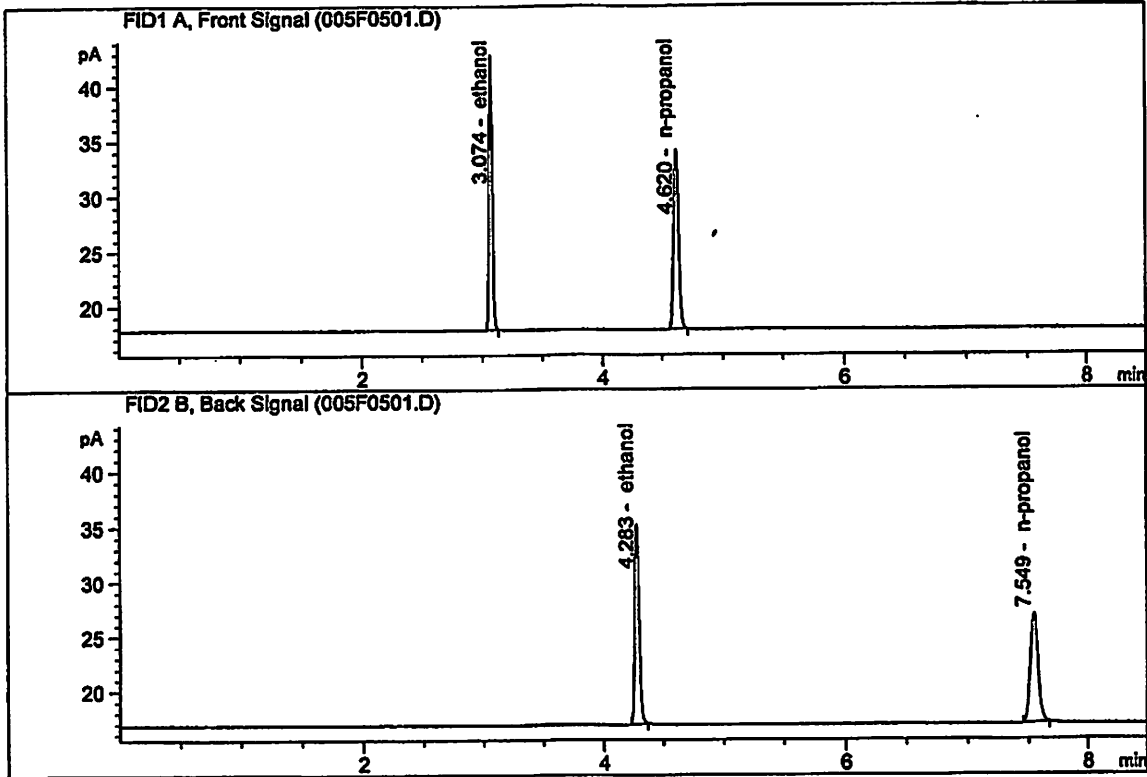
Sample Name : 0.300 FN02121601
 Laboratory : Meridian
 Injection Date : Oct 2, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.72149	0.2992	g/100cc
2.	Ethanol	Column 2:	29.11650	0.2987	g/100cc
3.	n-Propanol	Column 1:	47.14431	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.51223	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

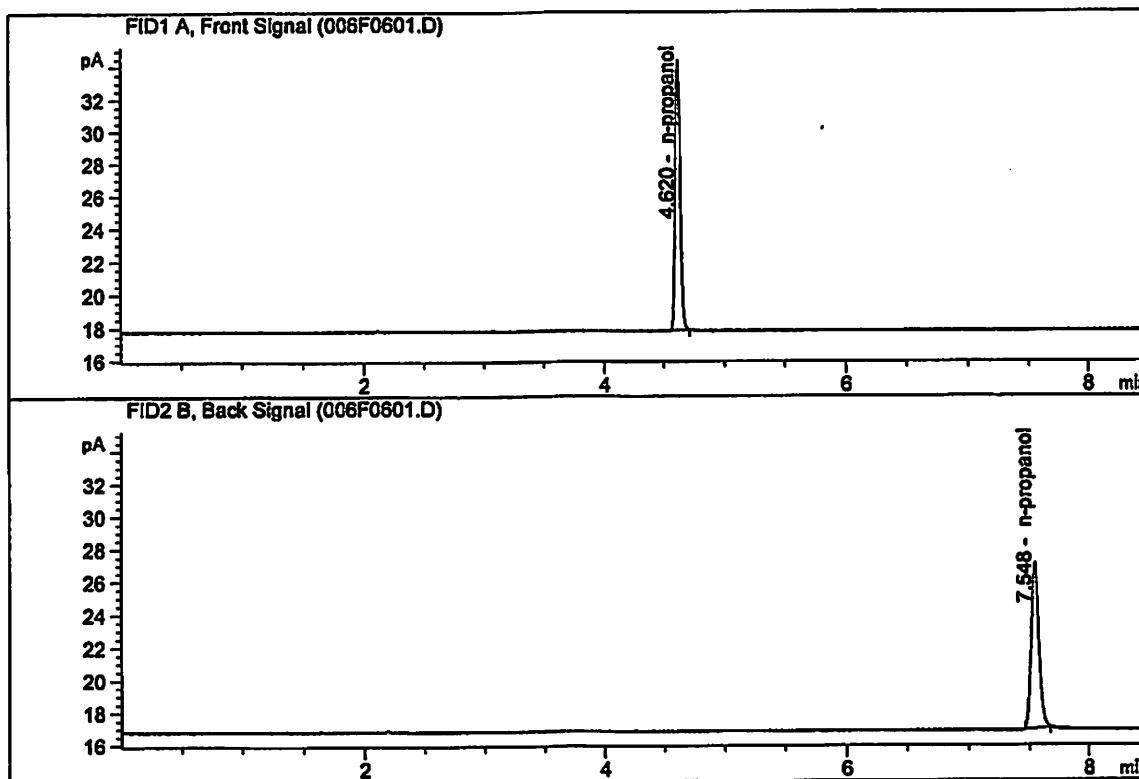
Sample Name : 0.500 FN08031602
 Laboratory : Meridian
 Injection Date : Oct 2, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.75658	0.5005	g/100cc
2.	Ethanol	Column 2:	48.42757	0.5014	g/100cc
3.	n-Propanol	Column 1:	46.45320	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.77639	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : Oct 2, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	47.09598	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.42958	1.0000	g/100cc

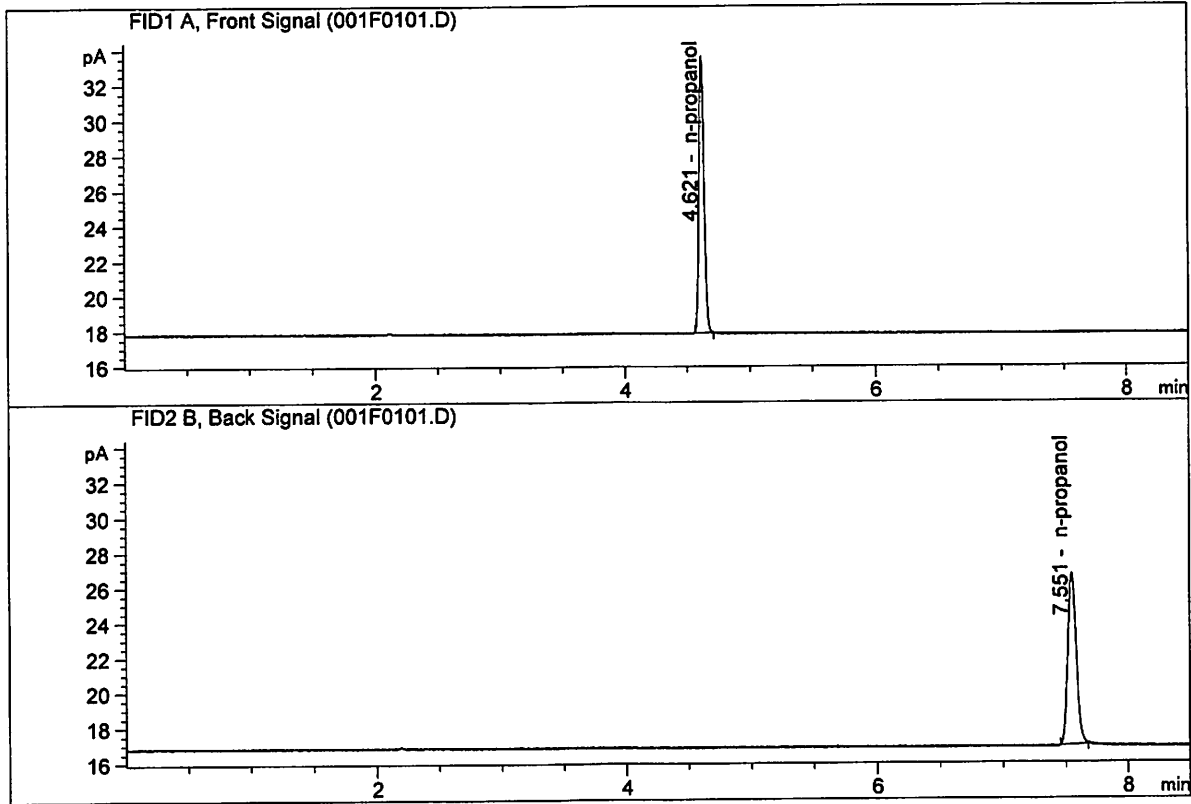
S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\Data\10-02-18_CAL\10-02-18_CAL 2018-10-02 14-29-44\10-02-18_CAL.S
 Data directory path: C:\Chem32\1\Data\10-02-18_CAL\10-02-18_CAL 2018-10-02 14-29-44\
 Logbook: C:\Chem32\1\Data\10-02-18_CAL\10-02-18_CAL 2018-10-02 14-29-44\10-02-18_CAL.LOG
 Sequence start: 10/2/2018 2:44:21 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\10-02-18_CAL\10-02-18_CAL 2018-10-02 14-29-44\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 FN08101601	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN12011401	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN02121601	-	1.0000	004F0401.D	*	4
5	5	1	0.500 FN08031602	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

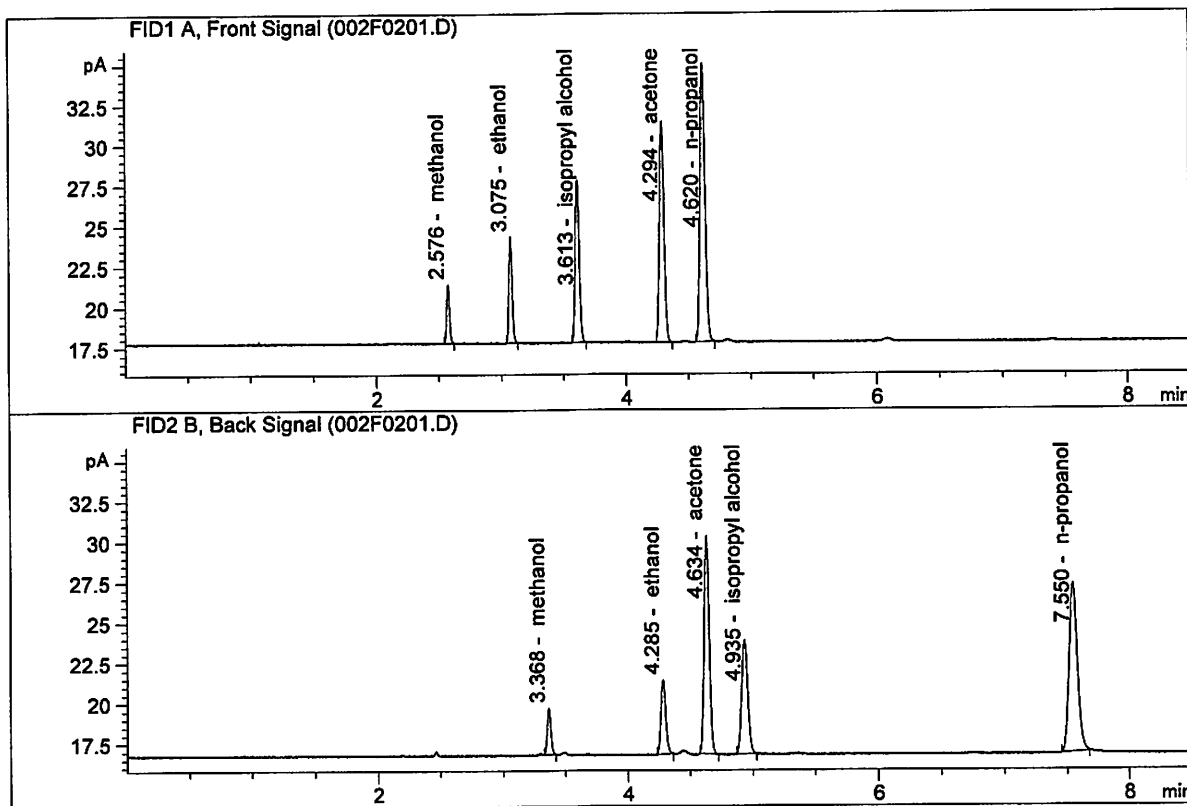


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.87174	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.87699	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.67068	0.1234	g/100cc
2.	Ethanol	Column 2:	12.18425	0.1241	g/100cc
3.	n-Propanol	Column 1:	48.37446	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.94537	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 10 Oct 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0761	0.0769	0.0008	0.0765	0.0766	
(g/100cc)	0.0762	0.0773	0.0011	0.0767		

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: ML600HC11378

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.

Issued: 12/30/2016

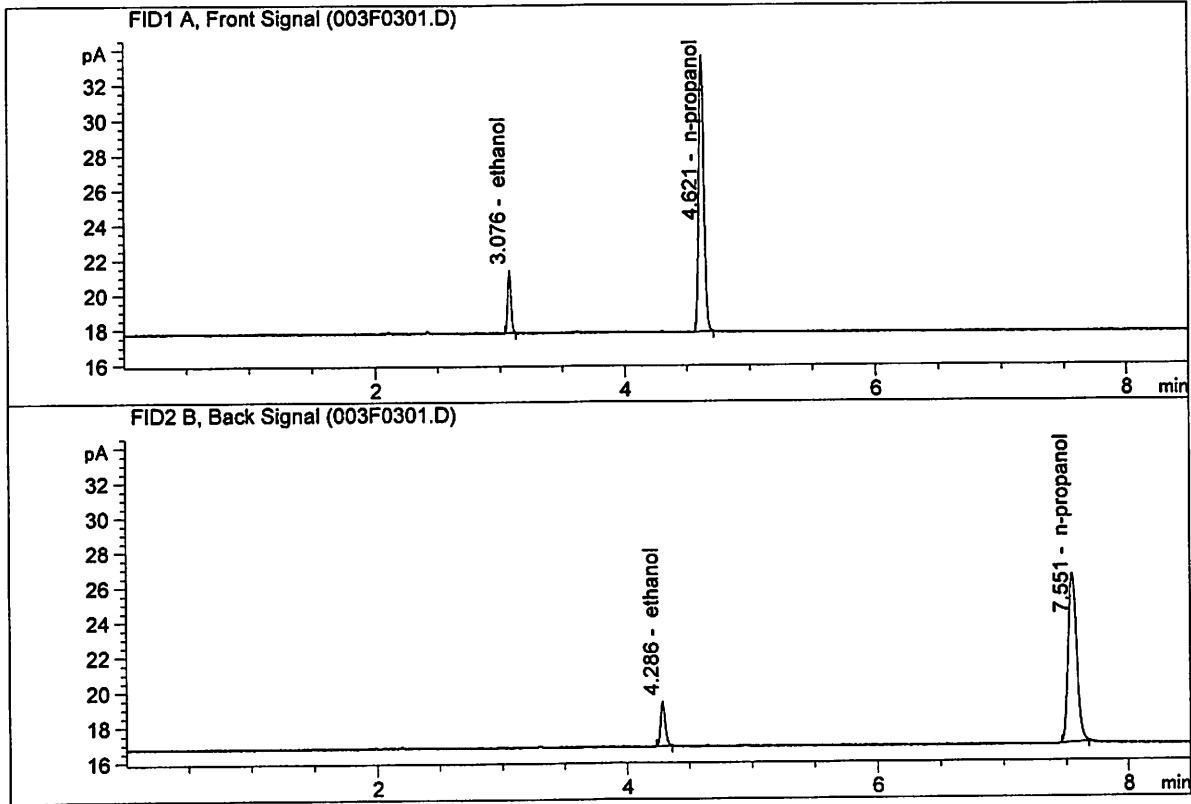
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

JL

ISP Forensic Services Blood Alcohol Report

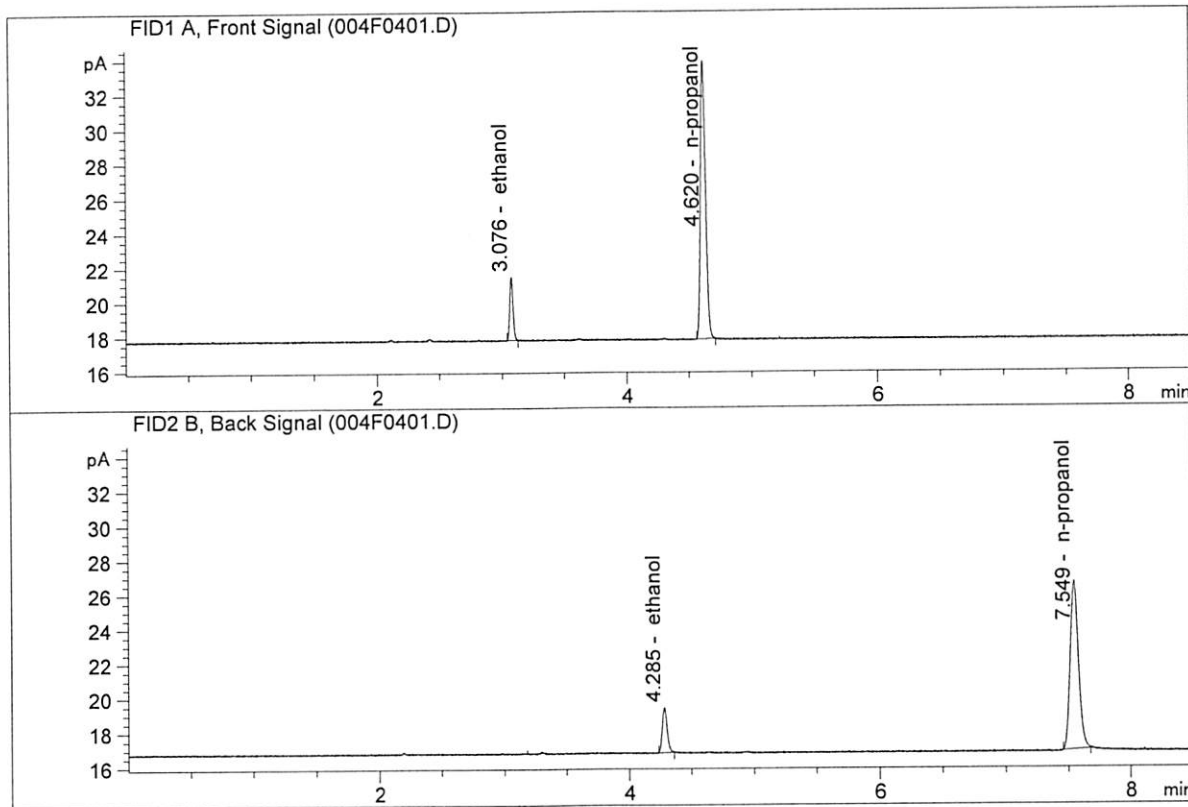
Sample Name : QC1-1-A
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.66415	0.0761	g/100cc
2.	Ethanol	Column 2:	6.85757	0.0769	g/100cc
3.	n-Propanol	Column 1:	44.99794	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.43816	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.75128	0.0762	g/100cc
2.	Ethanol	Column 2:	6.95388	0.0773	g/100cc
3.	n-Propanol	Column 1:	45.53479	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.80626	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701

Analysis Date(s): 10 Oct 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0820	0.0823	0.0003	0.0821	0.0826	
(g/100cc)	0.0827	0.0834	0.0007	0.0830		

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: ML600HC11378

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.082	0.077	0.087	0.005

	Reported Result	
	0.082	

Calibration and control data are stored centrally.

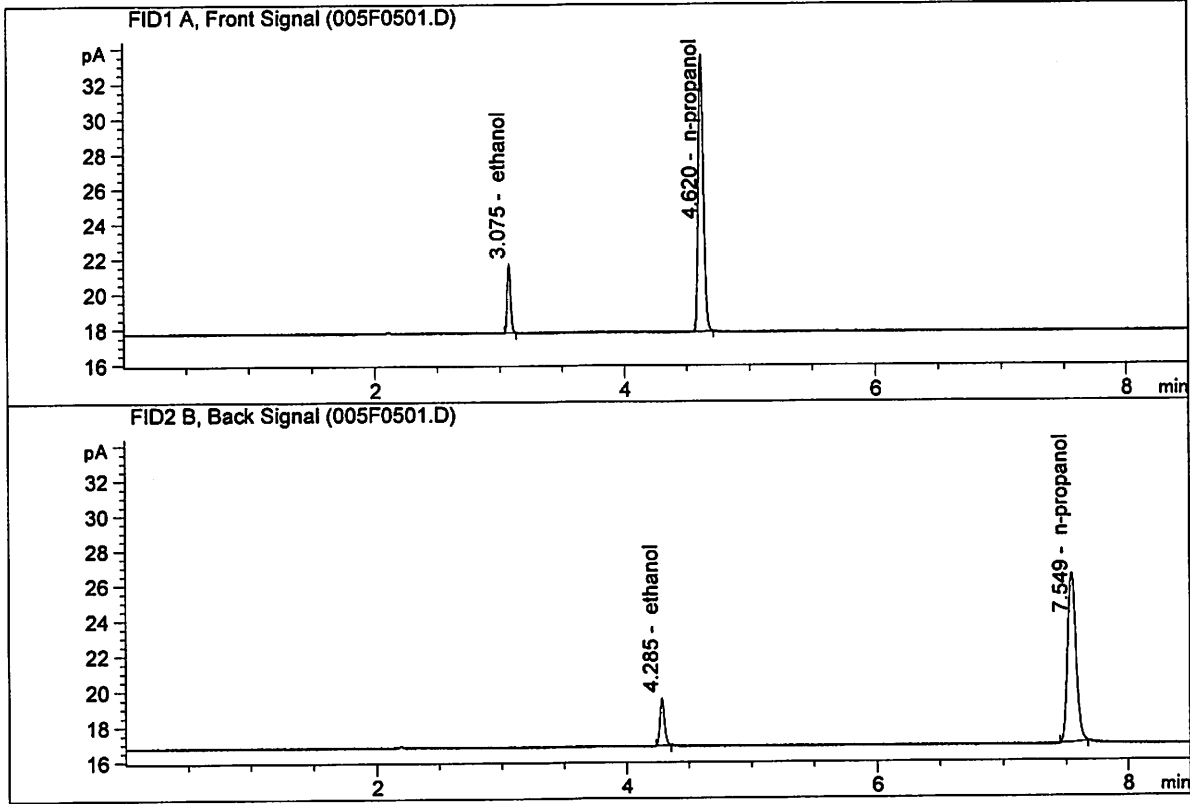
Issued: 12/30/2016

Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

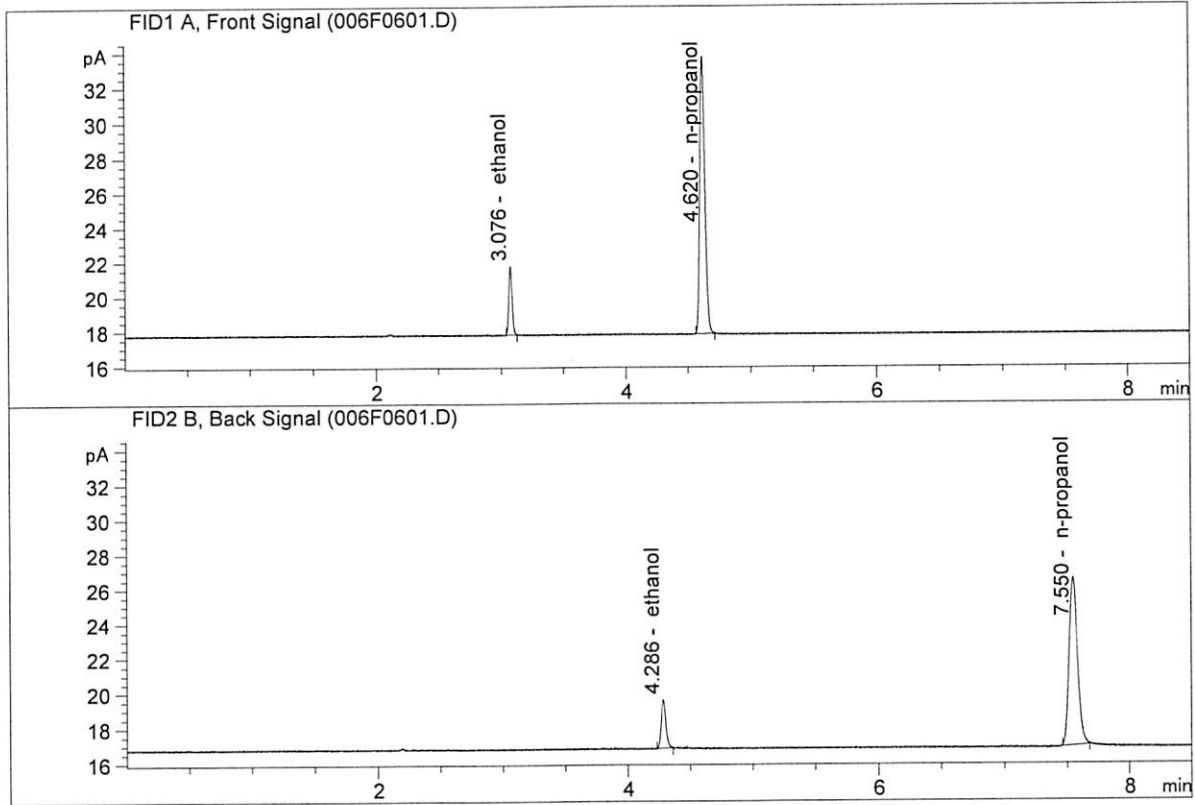
Sample Name : 0.08 FN04171701-A
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.17412	0.0820	g/100cc
2.	Ethanol	Column 2:	7.32082	0.0823	g/100cc
3.	n-Propanol	Column 1:	44.93898	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.14390	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.27323	0.0827	g/100cc
2.	Ethanol	Column 2:	7.45648	0.0834	g/100cc
3.	n-Propanol	Column 1:	45.15588	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.31869	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 10 Oct 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2081	0.2073	0.0008	0.2077	0.2080	
(g/100cc)	0.2085	0.2084	0.0001	0.2084		

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: ML600HC11378

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.

Issued: 12/30/2016

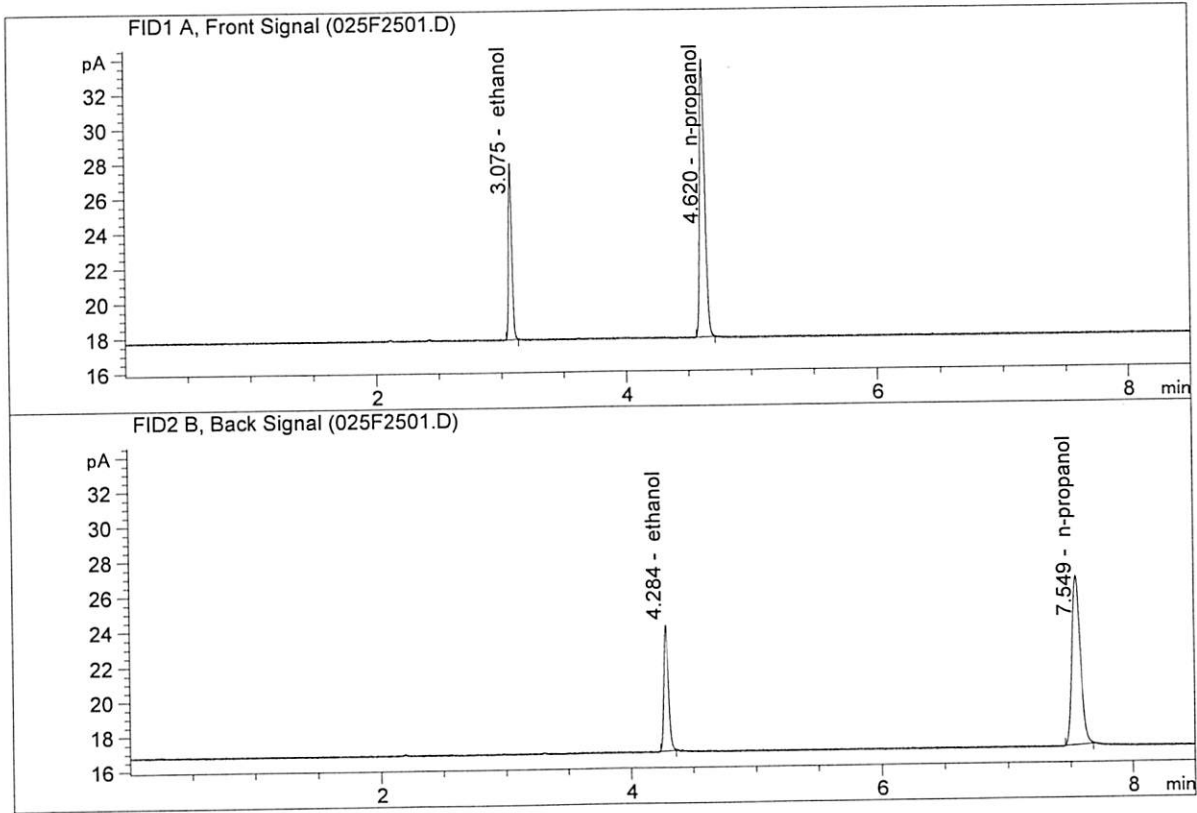
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

JK

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

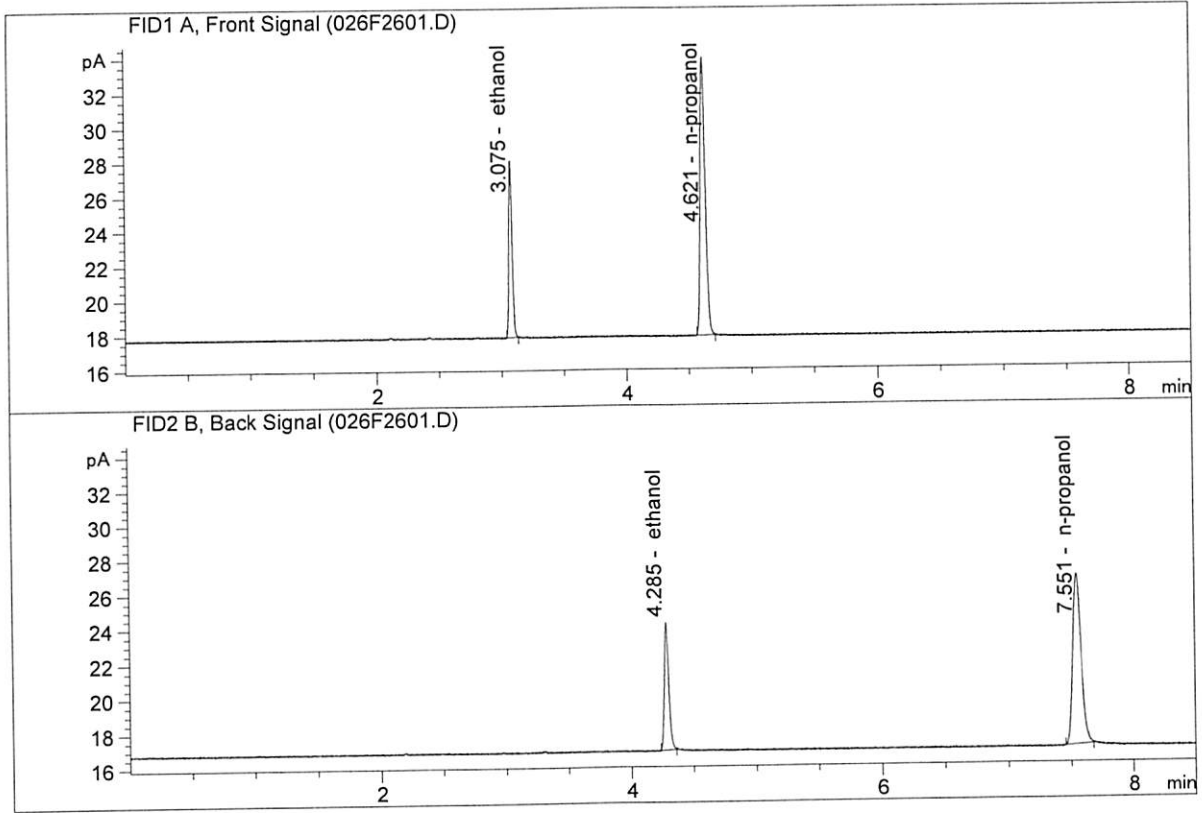


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.54146	0.2081	g/100cc
2.	Ethanol	Column 2:	19.22781	0.2073	g/100cc
3.	n-Propanol	Column 1:	45.40365	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.47982	1.0000	g/100cc

36

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.69436	0.2085	g/100cc
2.	Ethanol	Column 2:	19.41739	0.2084	g/100cc
3.	n-Propanol	Column 1:	45.68666	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.68897	1.0000	g/100cc

26

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 10 Oct 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0798	0.0805	0.0007	0.0801	0.0801	
(g/100cc)	0.0798	0.0806	0.0008	0.0802		

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: ML600HC11378

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

Issued: 12/30/2016

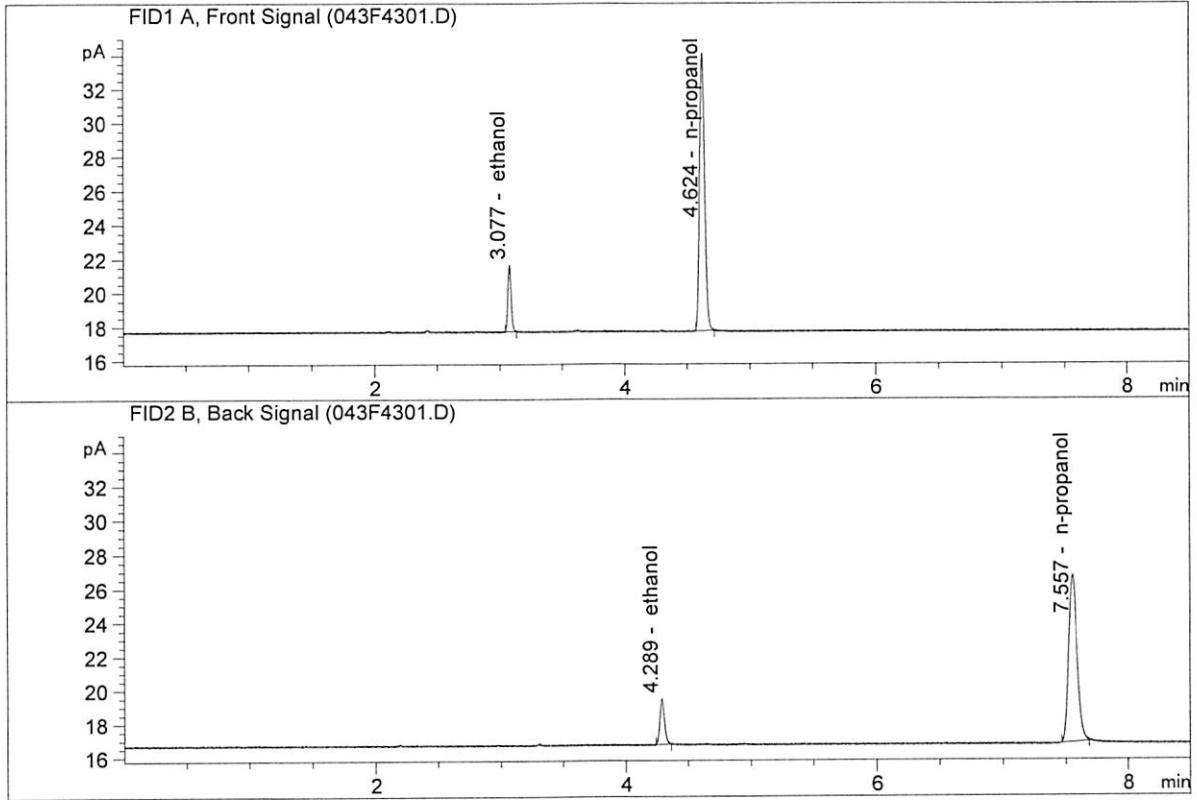
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

2

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

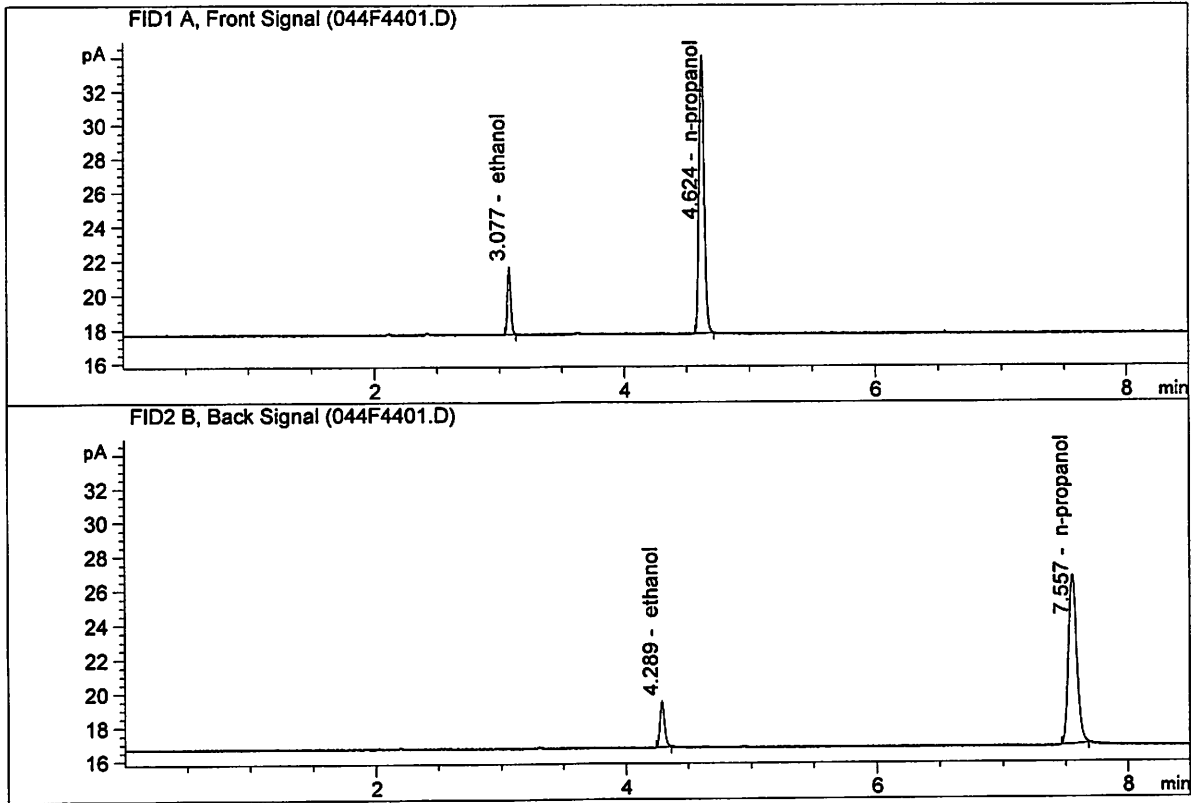


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.23573	0.0798	g/100cc
2.	Ethanol	Column 2:	7.38366	0.0805	g/100cc
3.	n-Propanol	Column 1:	46.56831	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.63234	1.0000	g/100cc

Handwritten signature or mark

ISP Forensic Services Blood Alcohol Report

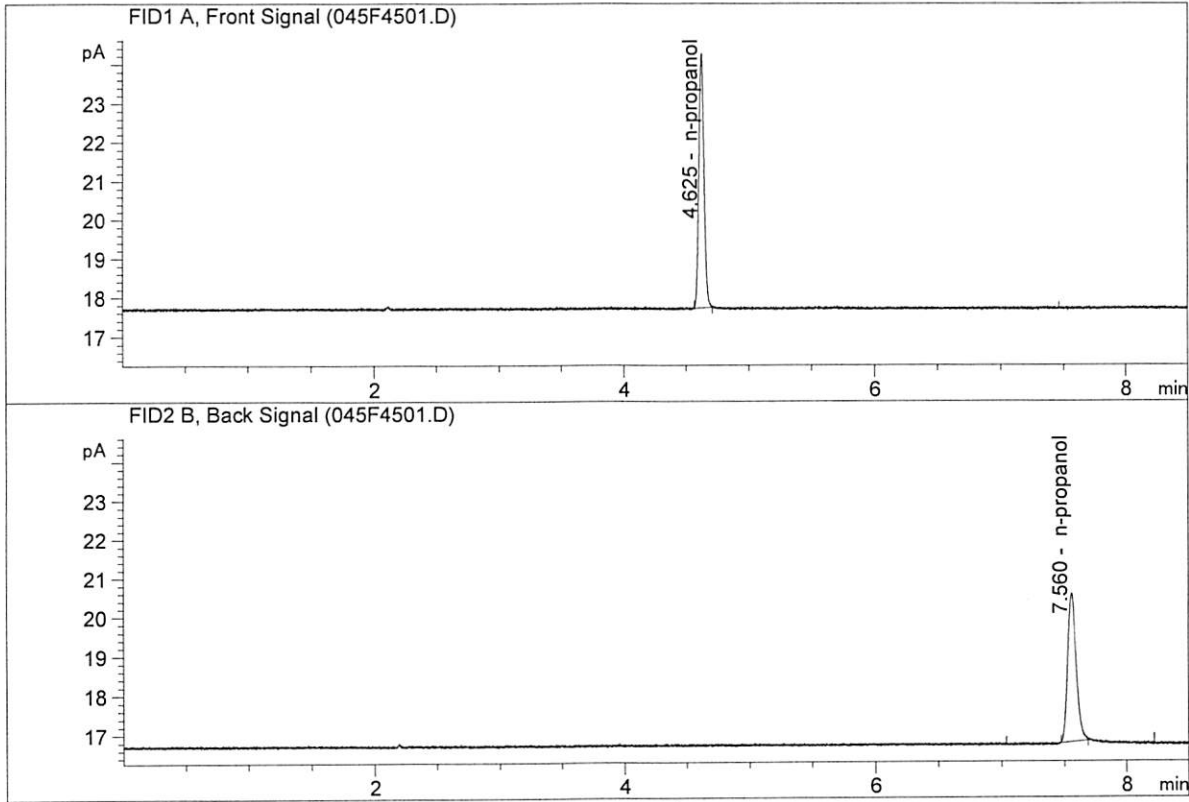
Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.22541	0.0798	g/100cc
2.	Ethanol	Column 2:	7.37024	0.0806	g/100cc
3.	n-Propanol	Column 1:	46.52094	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.47252	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

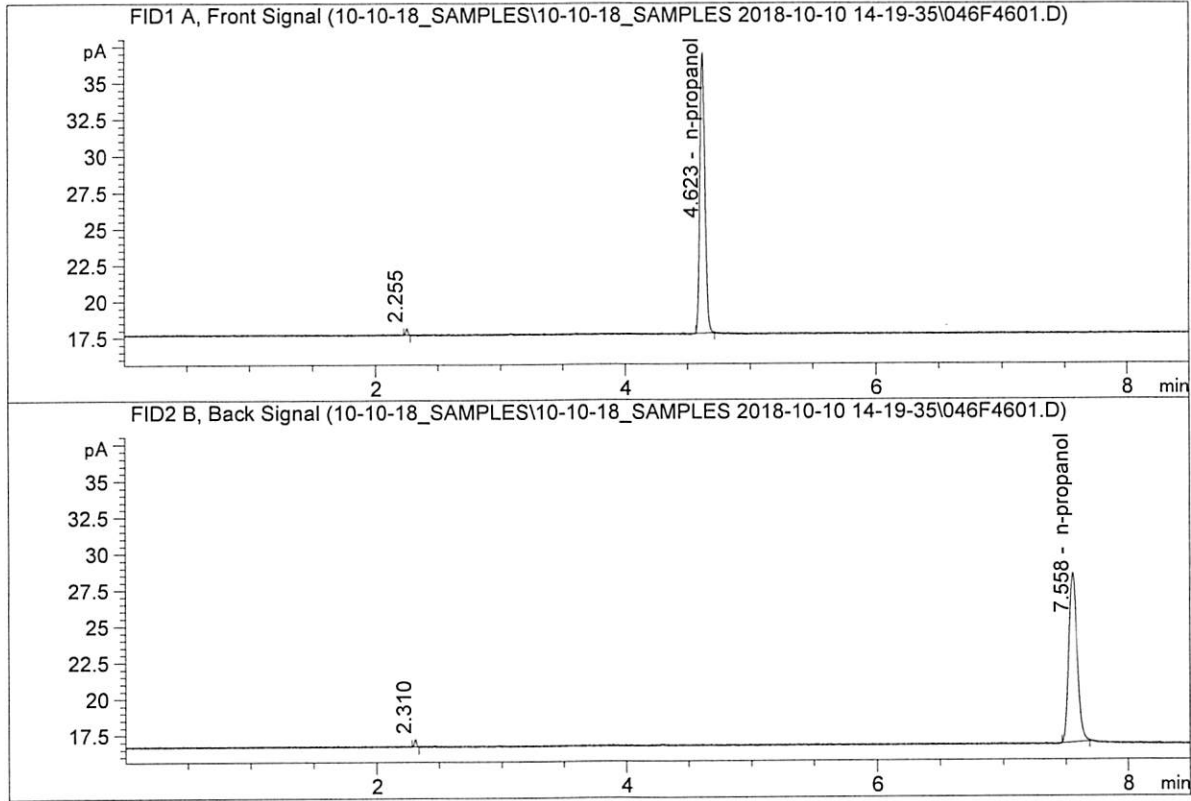


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	18.66833	1.0000	g/100cc
4.	n-Propanol	Column 2:	18.48186	1.0000	g/100cc

DC

ISP Forensic Services Blood Alcohol Report

Sample Name : TFE 111914
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

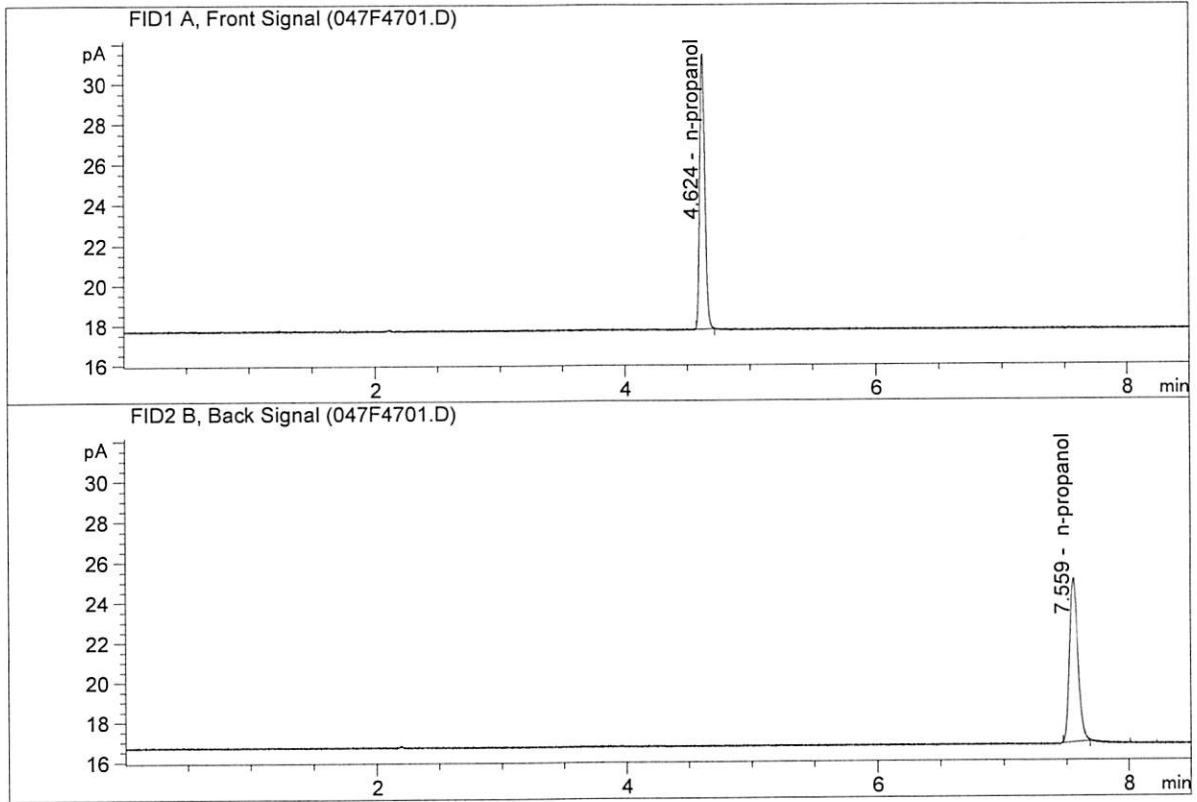


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	54.21231	1.0000	g/100cc
4.	n-Propanol	Column 2:	55.58363	1.0000	g/100cc

JK

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

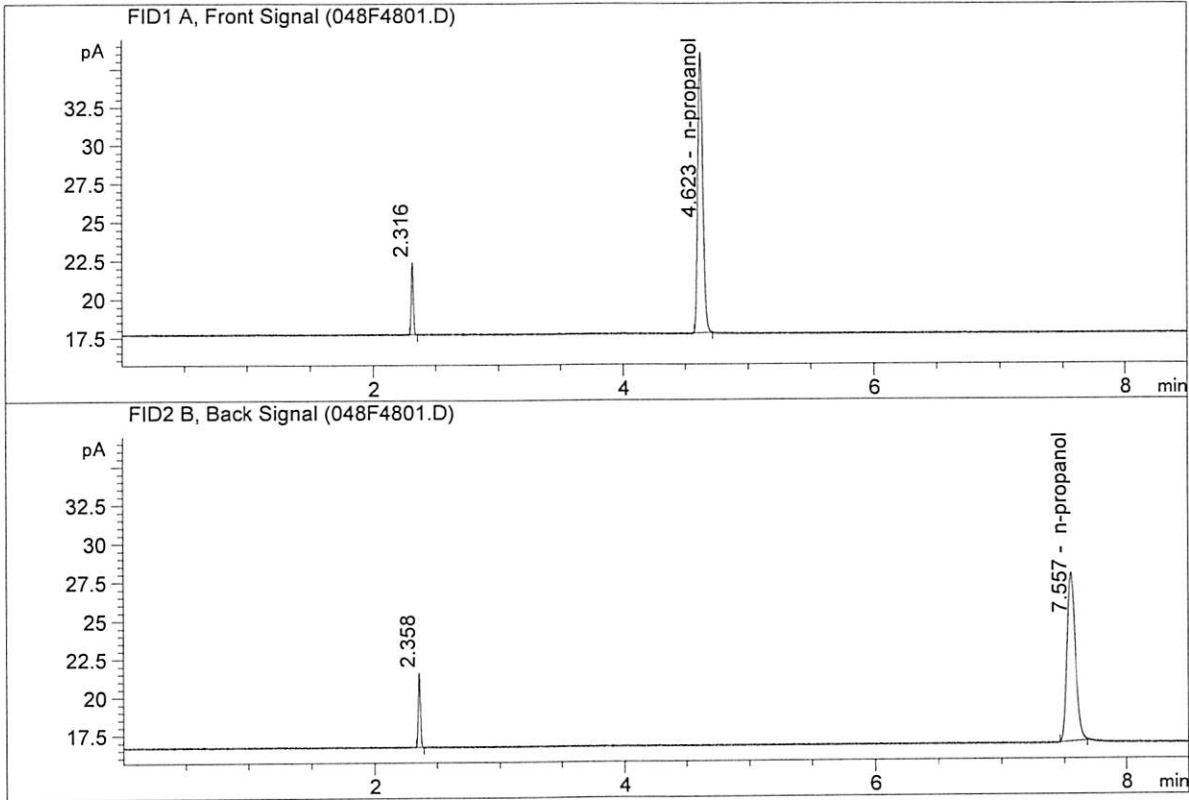


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	39.02106	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.63495	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : DFE 111914OM
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

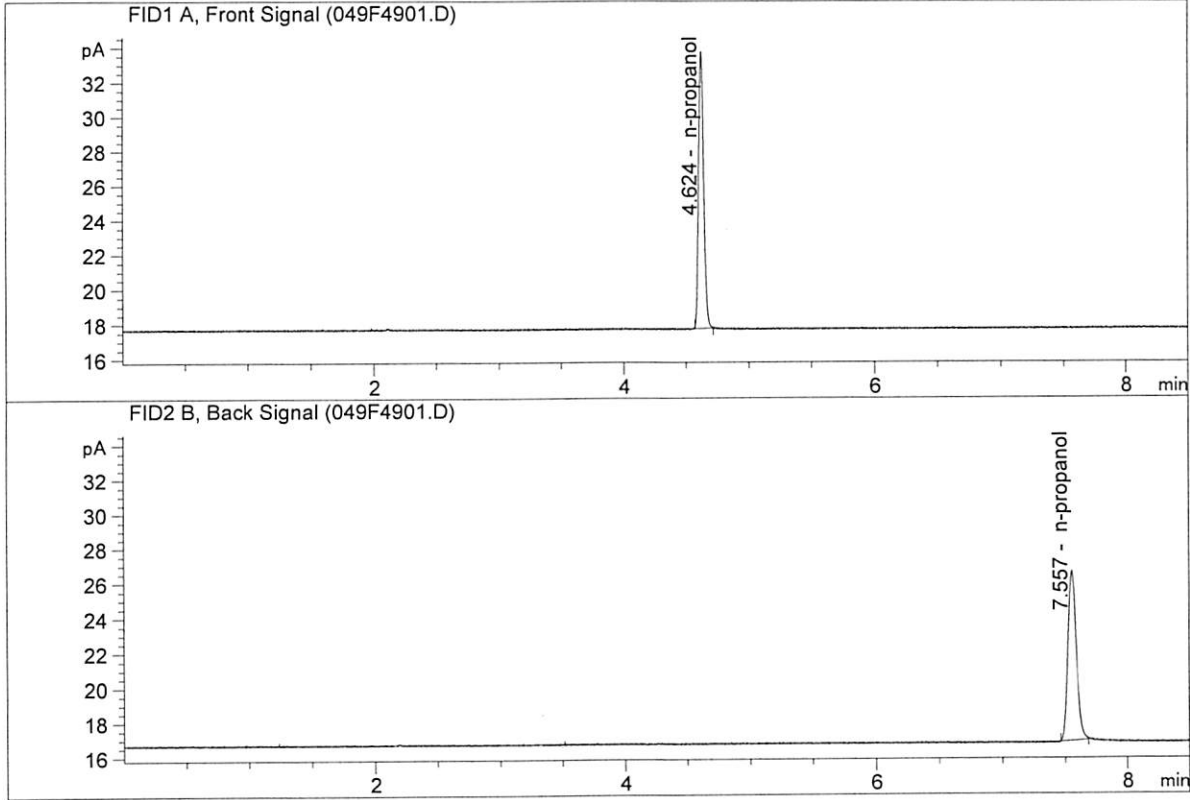


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	51.47904	1.0000	g/100cc
4.	n-Propanol	Column 2:	52.63060	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Oct 10, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	45.65151	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.67465	1.0000	g/100cc

JL

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

Sequence table: C:\Chem32\1\Data\10-10-18_SAMPLES\10-10-18_SAMPLES 2018-10-10 14-19-35\10-10-18_SAMPLES.S
 Data directory path: C:\Chem32\1\Data\10-10-18_SAMPLES\10-10-18_SAMPLES 2018-10-10 14-19-35\
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 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\10-10-18_SAMPLES\10-10-18_SAMPLES 2018-10-10 14-19-35\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	INTERNAL STD BLK	-	1.0000	001F0101.D		2
2	2	1	MIX VOL FN060415	-	1.0000	002F0201.D		10
3	3	1	QC1-1-A	-	1.0000	003F0301.D		4
4	4	1	QC1-1-B	-	1.0000	004F0401.D		4
5	5	1	0.08 FN04171701-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	M2018-4894-1-A	-	1.0000	007F0701.D		4
8	8	1	M2018-4894-1-B	-	1.0000	008F0801.D		4
9	9	1	M2018-4952-1-A	-	1.0000	009F0901.D		4
10	10	1	M2018-4952-1-B	-	1.0000	010F1001.D		4
11	11	1	M2018-4973-1-A	-	1.0000	011F1101.D		4
12	12	1	M2018-4973-1-B	-	1.0000	012F1201.D		4
13	13	1	M2018-4986-1-A	-	1.0000	013F1301.D		4
14	14	1	M2018-4986-1-B	-	1.0000	014F1401.D		4
15	15	1	M2018-4995-1-A	-	1.0000	015F1501.D		4
16	16	1	M2018-4995-1-B	-	1.0000	016F1601.D		4
17	17	1	M2018-4996-1-A	-	1.0000	017F1701.D		4
18	18	1	M2018-4996-1-B	-	1.0000	018F1801.D		4
19	19	1	M2018-4997-1-A	-	1.0000	019F1901.D		4
20	20	1	M2018-4997-1-B	-	1.0000	020F2001.D		4
21	21	1	M2018-5008-1-A	-	1.0000	021F2101.D		2
22	22	1	M2018-5008-1-B	-	1.0000	022F2201.D		2
23	23	1	M2018-5049-1-A	-	1.0000	023F2301.D		4
24	24	1	M2018-5049-1-B	-	1.0000	024F2401.D		4
25	25	1	QC2-1-A	-	1.0000	025F2501.D		4
26	26	1	QC2-1-B	-	1.0000	026F2601.D		4
27	27	1	M2018-5050-1-A	-	1.0000	027F2701.D		4
28	28	1	M2018-5050-1-B	-	1.0000	028F2801.D		4
29	29	1	M2018-5052-1-A	-	1.0000	029F2901.D		4
30	30	1	M2018-5052-1-B	-	1.0000	030F3001.D		4
31	31	1	M2018-5060-1-A	-	1.0000	031F3101.D		2
32	32	1	M2018-5060-1-B	-	1.0000	032F3201.D		2
33	33	1	M2018-5072-1-A	-	1.0000	033F3301.D		4
34	34	1	M2018-5072-1-B	-	1.0000	034F3401.D		4
35	35	1	P2018-2773-1-A	-	1.0000	035F3501.D		6
36	36	1	P2018-2773-1-B	-	1.0000	036F3601.D		6
37	37	1	P2018-2774-1-A	-	1.0000	037F3701.D		4
38	38	1	P2018-2774-1-B	-	1.0000	038F3801.D		4
39	39	1	P2018-2803-1-A	-	1.0000	039F3901.D		2
40	40	1	P2018-2803-1-B	-	1.0000	040F4001.D		2
41	41	1	P2018-2810-1-A	-	1.0000	041F4101.D		4
42	42	1	P2018-2810-1-B	-	1.0000	042F4201.D		4
43	43	1	QC1-2-A	-	1.0000	043F4301.D		4

JK

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
44	44	1	QC1-2-B	-	1.0000	044F4401.D		4
45	45	1	INTERNAL STD BLK	-	1.0000	045F4501.D		2
46	46	1	TFE 111914	-	1.0000	046F4601.D		2
47	47	1	INTERNAL STD BLK	-	1.0000	047F4701.D		2
48	48	1	DFE 111914OM	-	1.0000	048F4801.D		2
49	49	1	INTERNAL STD BLK	-	1.0000	049F4901.D		2

Method file name: C:\Chem32\1\Data\10-10-18_SAMPLES\10-10-18_SAMPLES 2018-10-10 14-19-35 \SHUTDOWN.M

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

JG