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(s): 8/22/18-8/23/18

Calibration Date: 08/22/18

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0782 g/100cc
					0.0824 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2039 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		**Exp date: Sept 2020**	**Lot #**	FN06041502	OK
Curve Fit:		**Column 1**	0.10000	**Column2**	0.99994

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	0.0502	0.0521	0.0019	0.0511
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Aug-21	FN08101601	0.100	0.090 - 0.110	0.1002	0.0996	0.0006	0.0999
0.200	Dec-19	FN12011401	0.200	0.180 - 0.220	0.1996	0.1969	0.0027	0.1982
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2997	0.3009	0.0012	0.3003
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Sep-21	FN07031402	0.500	0.450 - 0.550	0.5003	0.5006	0.0003	0.5004

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

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

JL

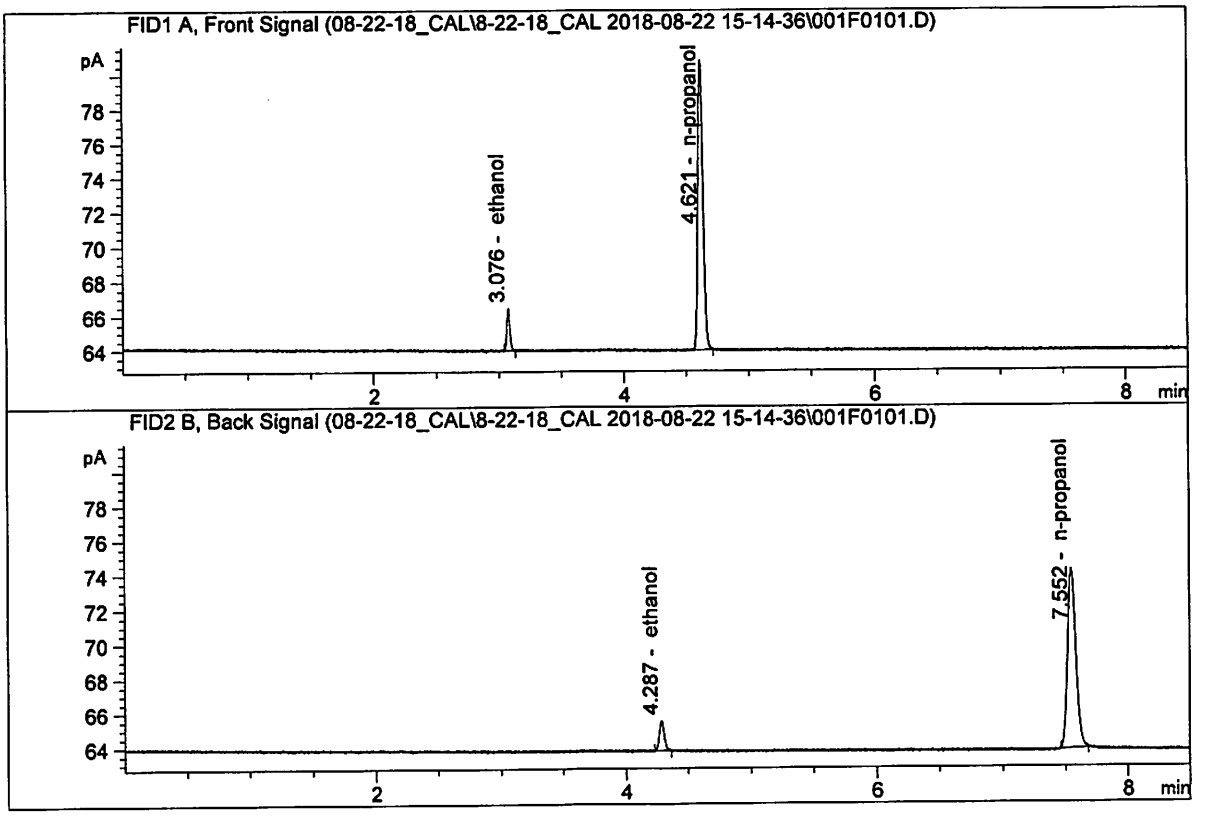
8/23/2018

Worklist: 2657

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2018-4129	1	124309	Alcohol Analysis
M2018-4131	1	124311	Alcohol Analysis
M2018-4132	1	124315	Alcohol Analysis
M2018-4137	1	124347	Alcohol Analysis
M2018-4138	1	124351	Alcohol Analysis
M2018-4139	1	124352	Alcohol Analysis
M2018-4140	1	124353	Alcohol Analysis
M2018-4141	1	124357	Alcohol Analysis
M2018-4173	1	124472	Alcohol Analysis
M2018-4175	1	124478	Alcohol Analysis
M2018-4186	1	124610	Alcohol Analysis
M2018-4197	1	124679	Alcohol Analysis
M2018-4198	1	124681	Alcohol Analysis
M2018-4207	1	124774	Alcohol Analysis
P2018-2224	1	123576	Alcohol Analysis
P2018-2249	1	123721	Alcohol Analysis
P2018-2277	1	123889	Alcohol Analysis
P2018-2305	1	124022	Alcohol Analysis

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

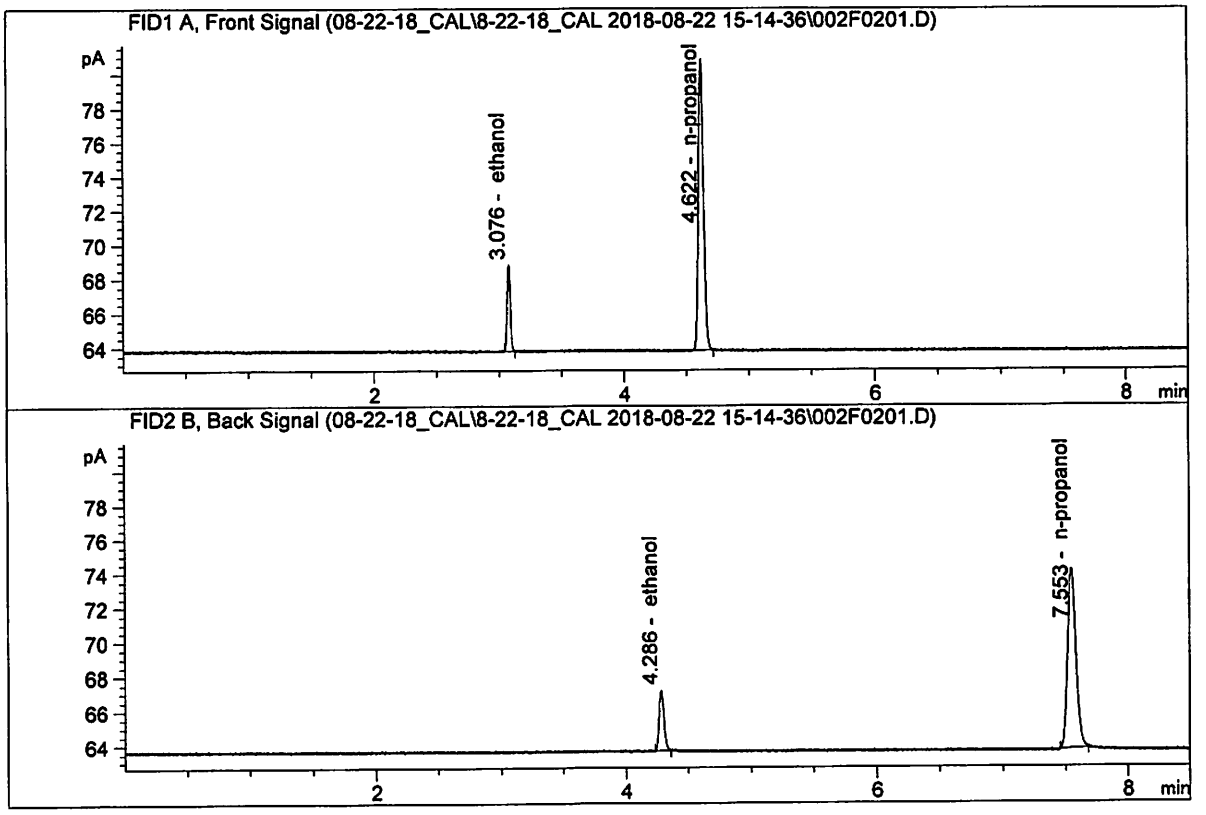


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.54110	0.0502	g/100cc
2.	Ethanol	Column 2:	4.73925	0.0521	g/100cc
3.	n-Propanol	Column 1:	48.08868	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.06777	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN08101601
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

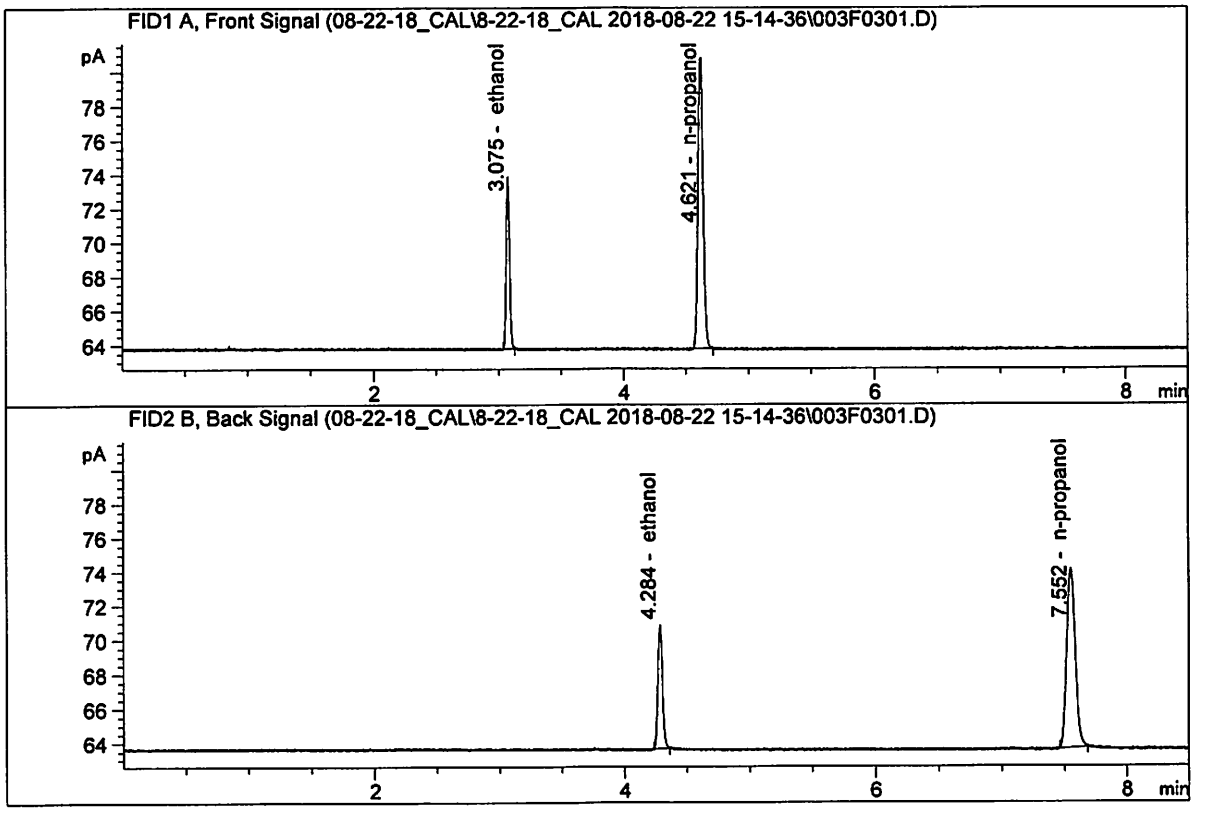


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.19539	0.1002	g/100cc
2.	Ethanol	Column 2:	9.45027	0.0996	g/100cc
3.	n-Propanol	Column 1:	48.52327	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.25606	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN12011401
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.40006	0.1996	g/100cc
2.	Ethanol	Column 2:	19.09224	0.1969	g/100cc
3.	n-Propanol	Column 1:	48.57042	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.32616	1.0000	g/100cc

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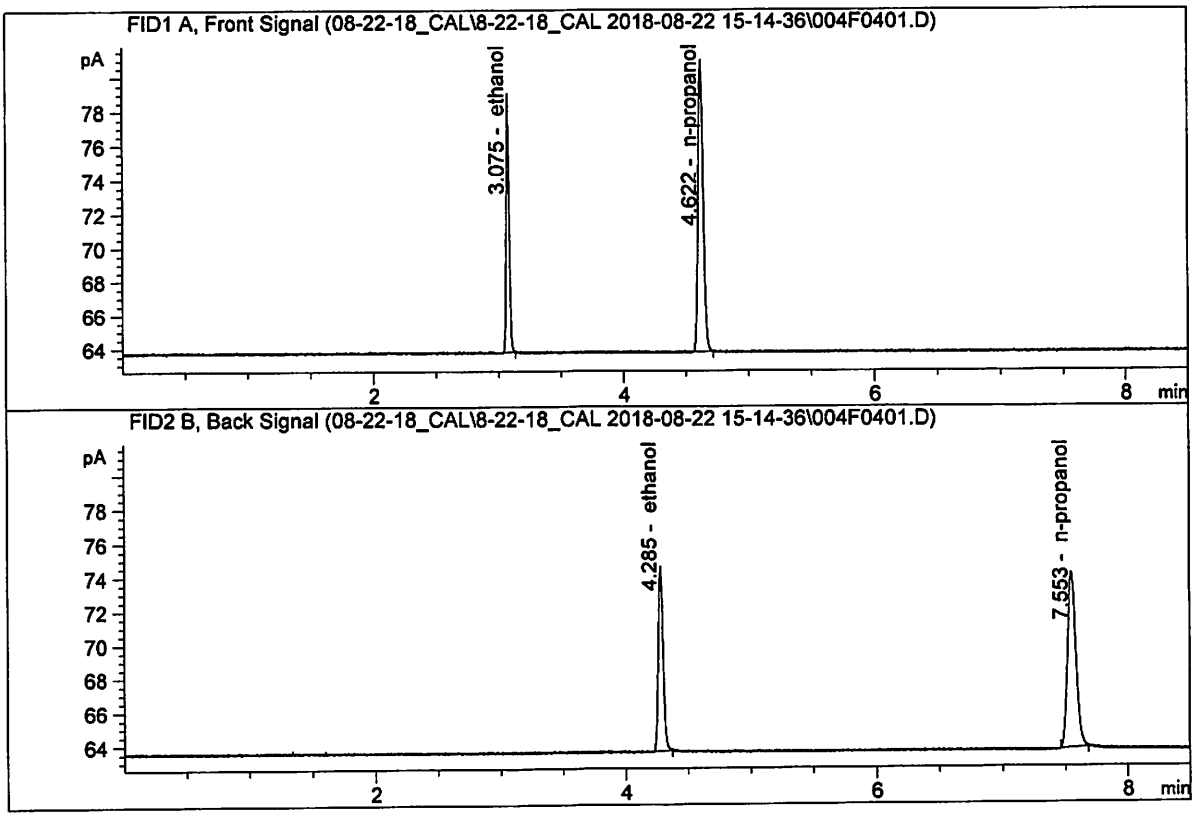
ISP Forensic Services Blood Alcohol Report

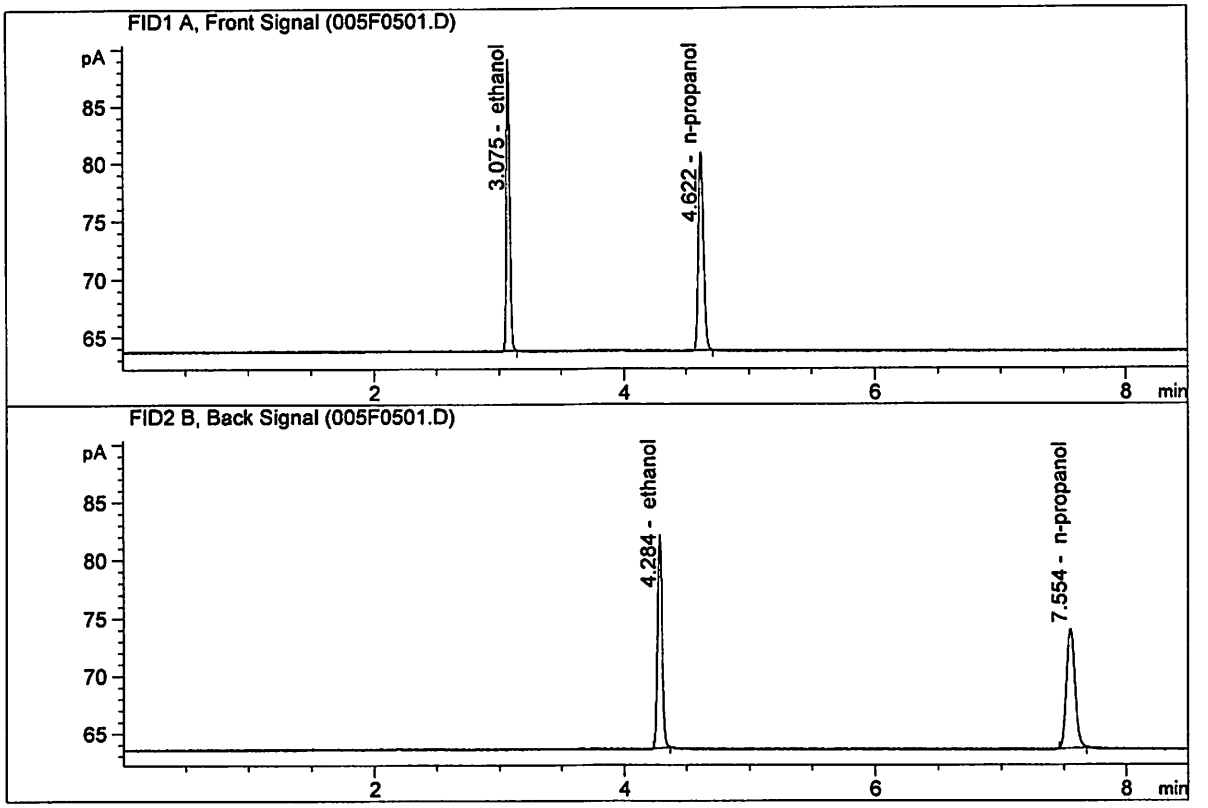
Sample Name : 0.300 FN02121601
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.98732	0.2997	g/100cc
2.	Ethanol	Column 2:	29.44713	0.3009	g/100cc
3.	n-Propanol	Column 1:	49.14845	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.42202	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

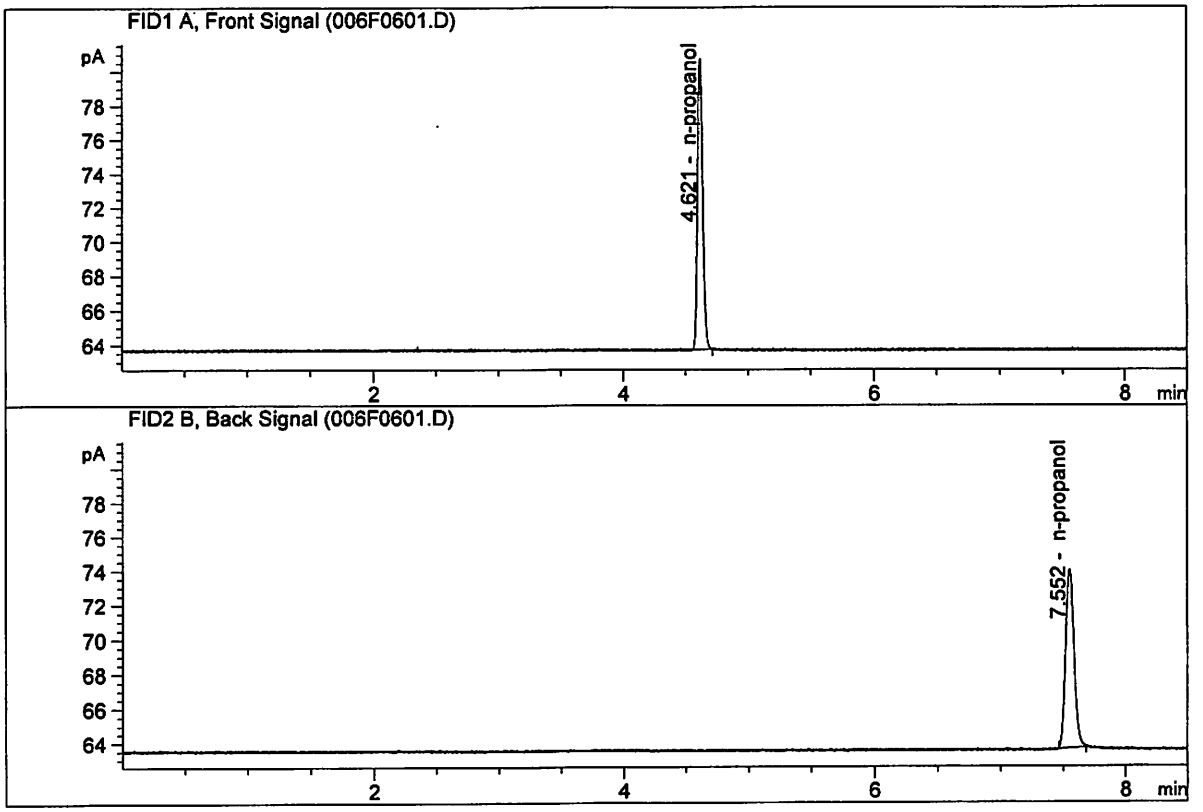
Sample Name : 0.500 FN07031402
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.18007	0.5003	g/100cc
2.	Ethanol	Column 2:	48.74436	0.5006	g/100cc
3.	n-Propanol	Column 1:	48.54279	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.90485	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	48.58569	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.07299	1.0000	g/100cc

JG

Sequence File C:\Chem32\1\Data\08-22-18_CAL\8-22-18_CAL 2018-08-22 15-14-36\8-22-18_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\08-22-18_CAL\8-22-18_CAL 2018-08-22 15-14-36\8-22-18_CAL S
Data directory path: C:\Chem32\1\Data\08-22-18_CAL\8-22-18_CAL 2018-08-22 15-14-36\
Logbook: C:\Chem32\1\Data\08-22-18_CAL\8-22-18_CAL 2018-08-22 15-14-36\8-22-18_CAL LOG
Sequence start: 8/22/2018 3:29:12 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-22-18_CAL\8-22-18_CAL 2018-08-22 15-14-36\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 FN07031402	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

JG

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, August 22, 2018 4:19:44 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

JC

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
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	4.54110	1.10105e-2	No	No	1	ethanol
		2	1.00000e-1	9.19539	1.08750e-2				
		3	2.00000e-1	18.40006	1.08695e-2				
		4	3.00000e-1	27.98732	1.07191e-2				
		5	5.00000e-1	46.18007	1.08272e-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	4.73925	1.05502e-2	No	No	2	ethanol
		2	1.00000e-1	9.45027	1.05817e-2				
		3	2.00000e-1	19.09224	1.04755e-2				
		4	3.00000e-1	29.44713	1.01877e-2				
		5	5.00000e-1	48.74436	1.02576e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	48.08868	2.07949e-2	No	Yes	1	n-propanol
		2	1.00000	48.52327	2.06087e-2				
		3	1.00000	48.57042	2.05887e-2				
		4	1.00000	49.14845	2.03465e-2				
		5	1.00000	48.54279	2.06004e-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	50.06777	1.99729e-2	No	Yes	2	n-propanol
		2	1.00000	50.25606	1.98981e-2				
		3	1.00000	50.32616	1.98704e-2				
		4	1.00000	50.42202	1.98326e-2				
		5	1.00000	49.90485	2.00381e-2				

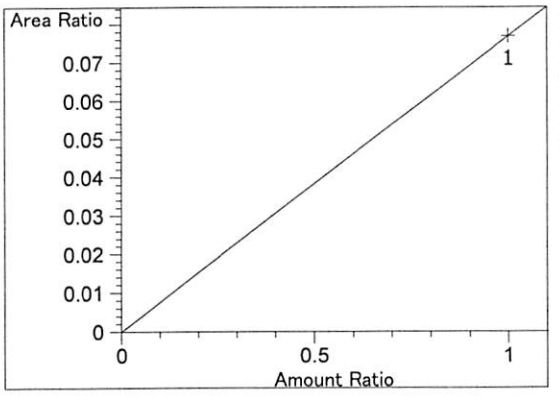
Peak Sum Table

No Entries in table

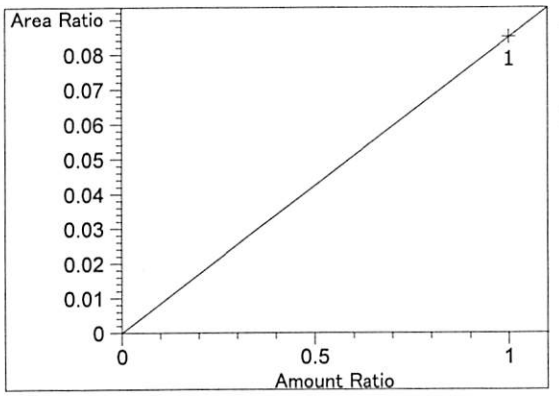
51 Warnings or Errors (10 first messages follow) :

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 2.809 min, signal 1
Warning : Curve requires more calibration points. at 2.977 min, signal 2
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 4.62 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

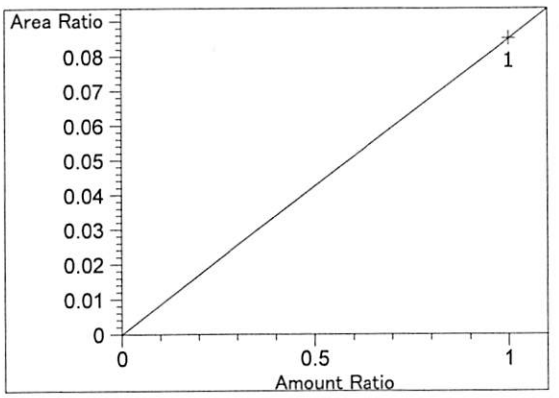
Calibration Curves



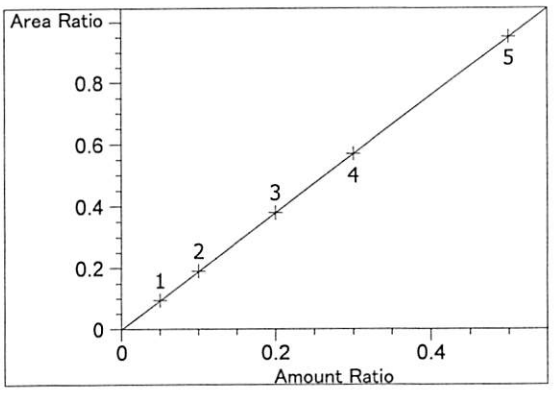
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7.68725e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



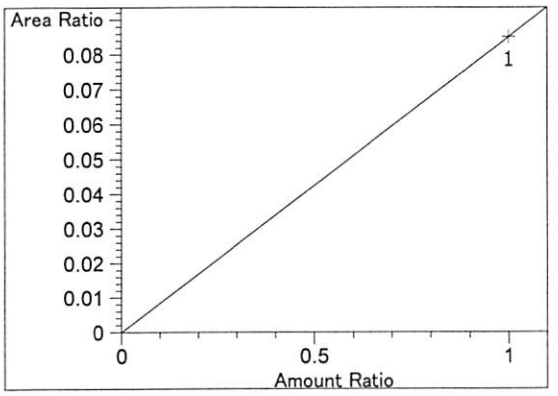
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.51046e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



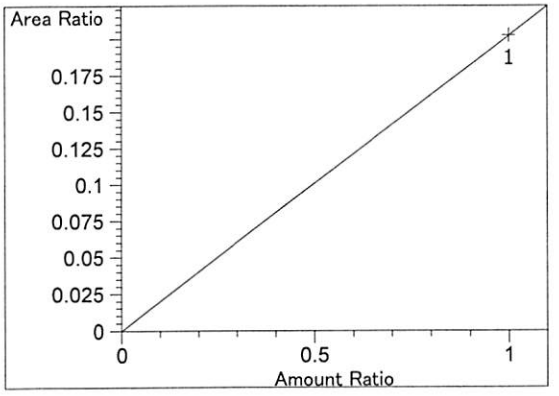
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.51046e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



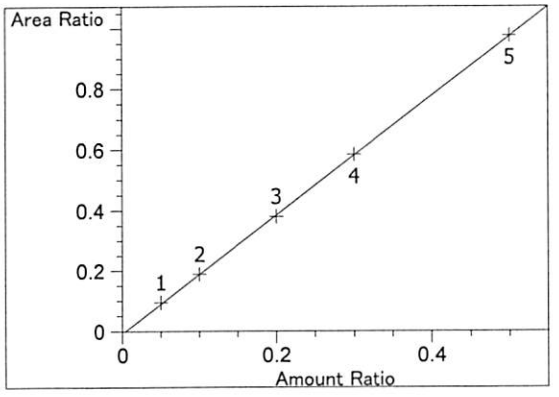
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00070
Formula: y = mx + b
m: 1.90407
b: -1.22814e-3
x: Amount Ratio
y: Area Ratio



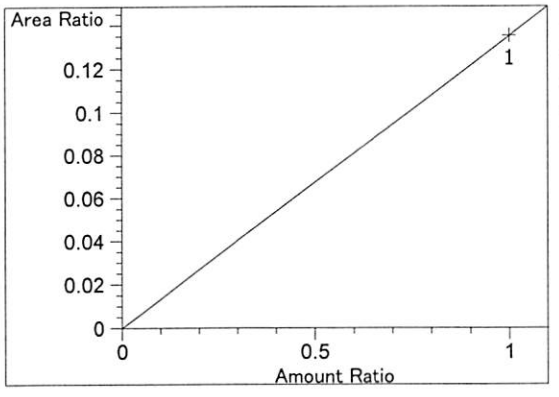
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.50972e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



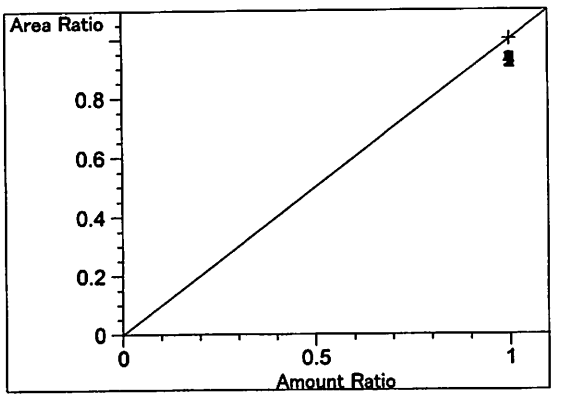
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.02346e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



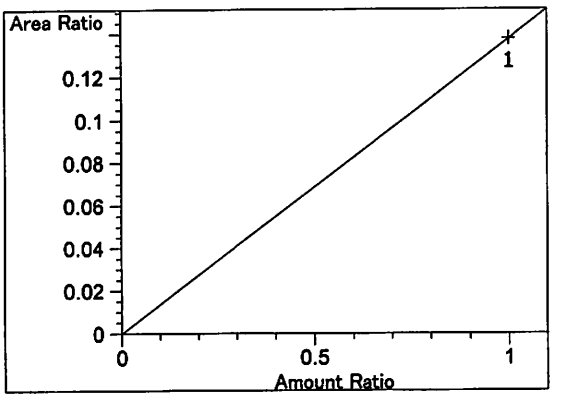
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99994
Residual Std. Dev.: 0.00449
Formula: y = mx + b
m: 1.96670
b: -7.77521e-3
x: Amount Ratio
y: Area Ratio



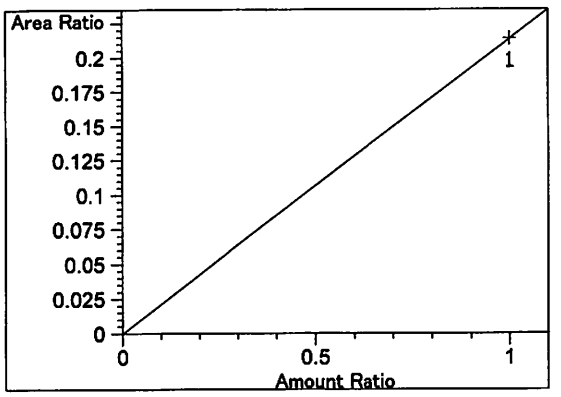
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.35155e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



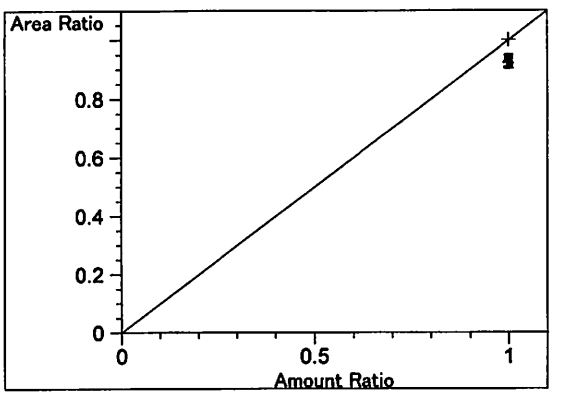
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.37674e-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: 2.13838e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



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

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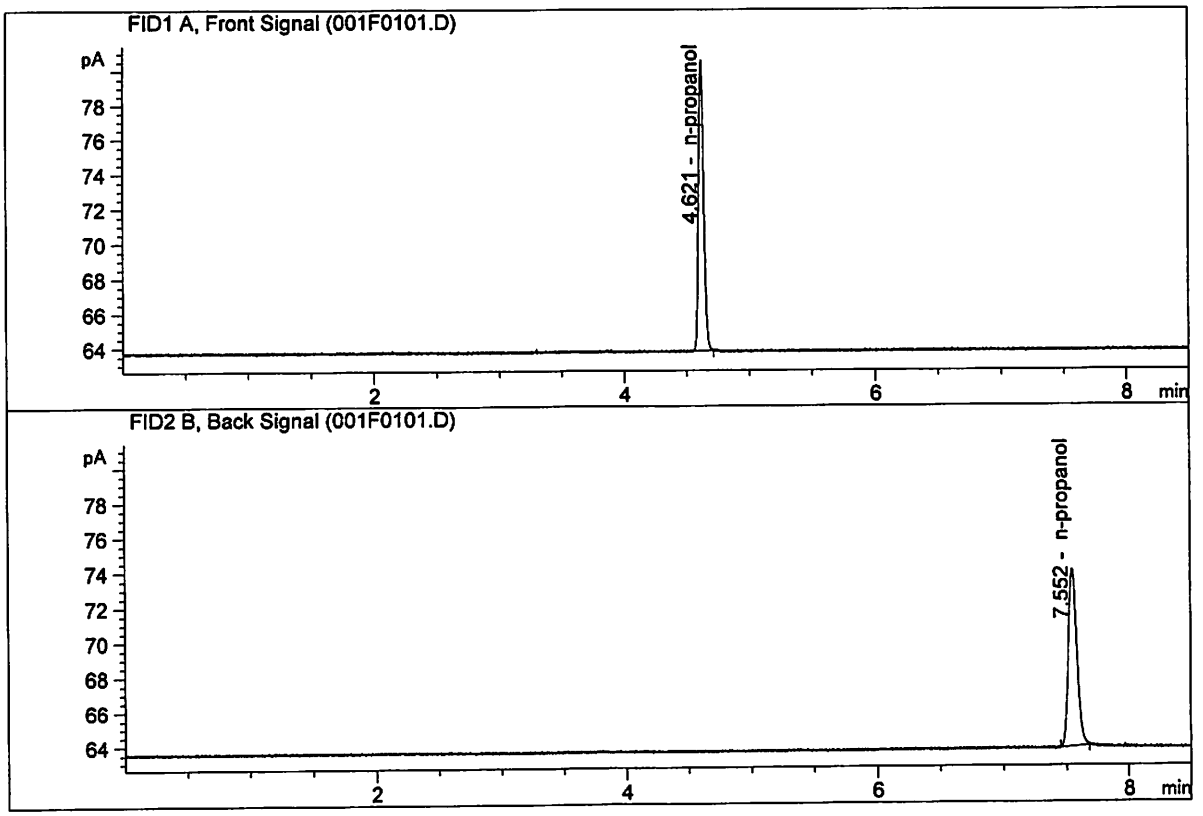
ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Aug 22, 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:	47.74591	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.71587	1.0000	g/100cc

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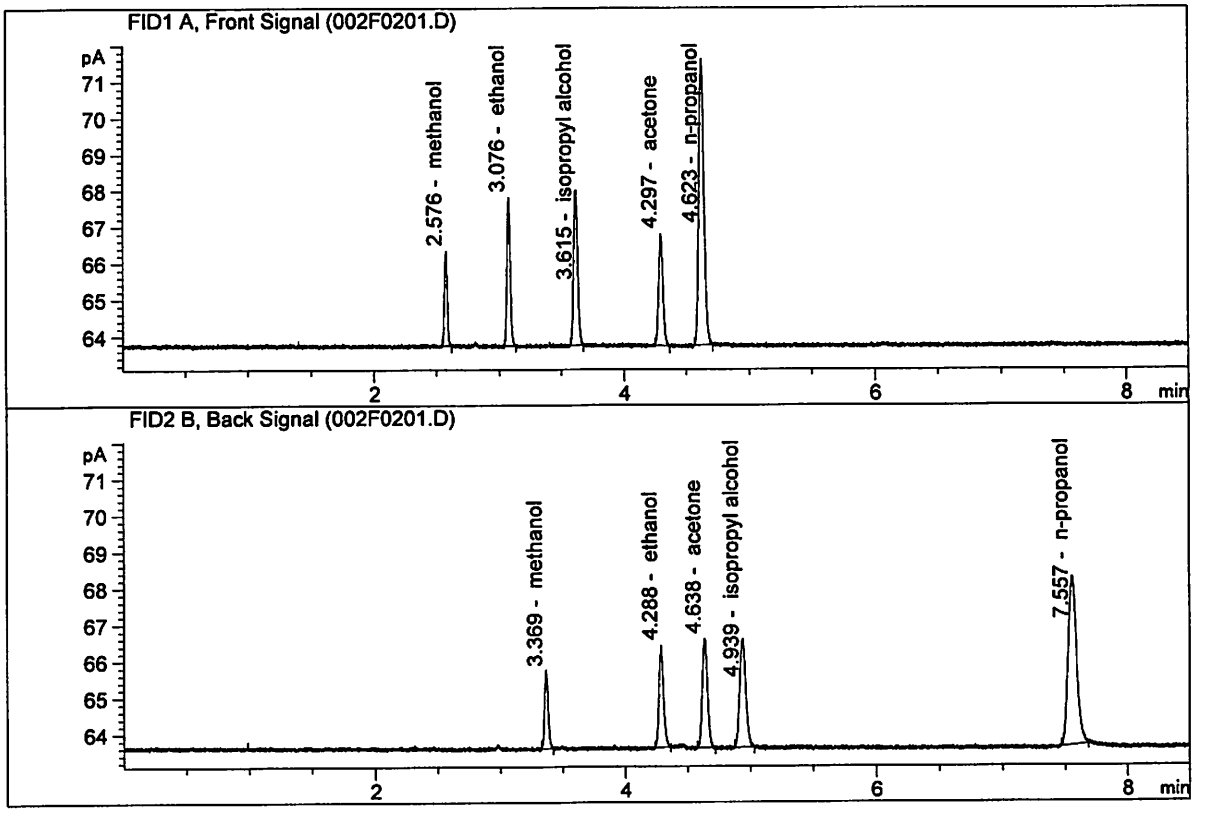
ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.24388	0.1716	g/100cc
2.	Ethanol	Column 2:	7.49561	0.1746	g/100cc
3.	n-Propanol	Column 1:	22.25587	1.0000	g/100cc
4.	n-Propanol	Column 2:	22.33505	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 22 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0776	0.0793	0.0017	0.0784	0.0782	
(g/100cc)	0.0777	0.0785	0.0008	0.0781		

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
0.078	0.074	0.082	0.004

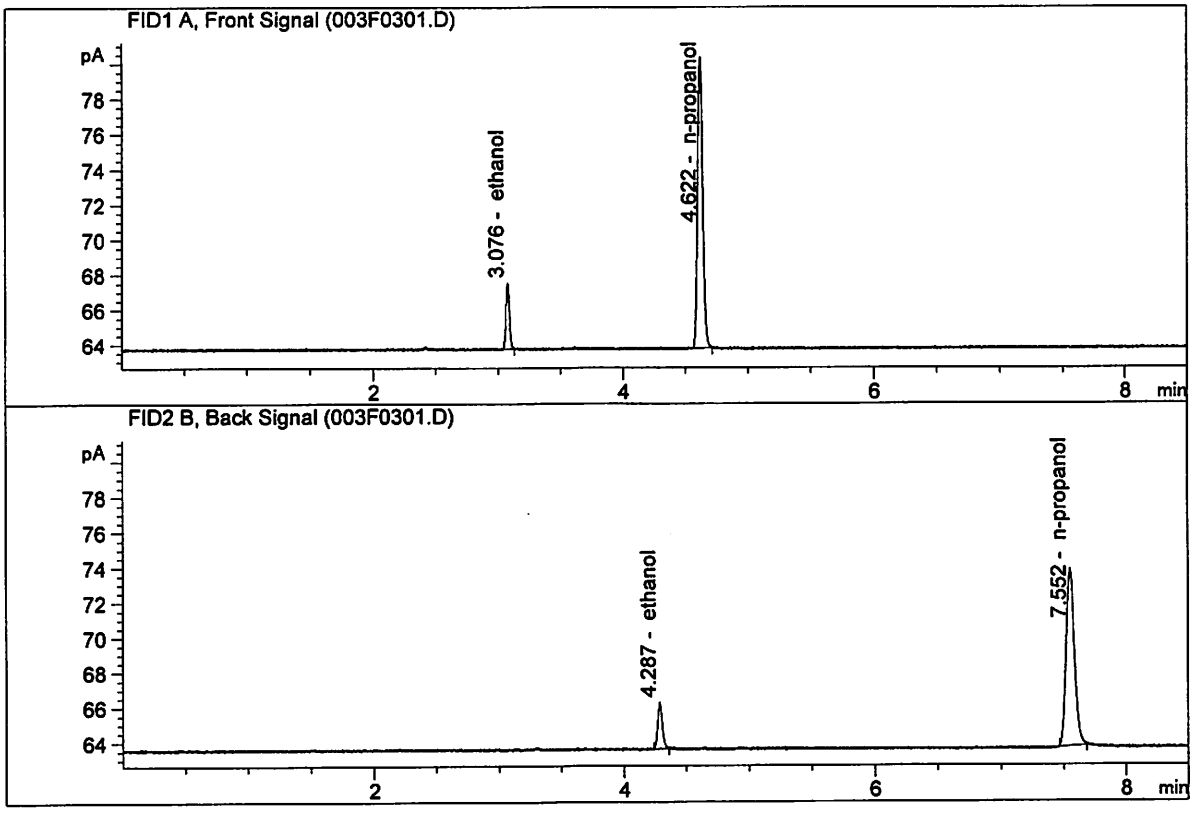
Reported Result

0.078

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

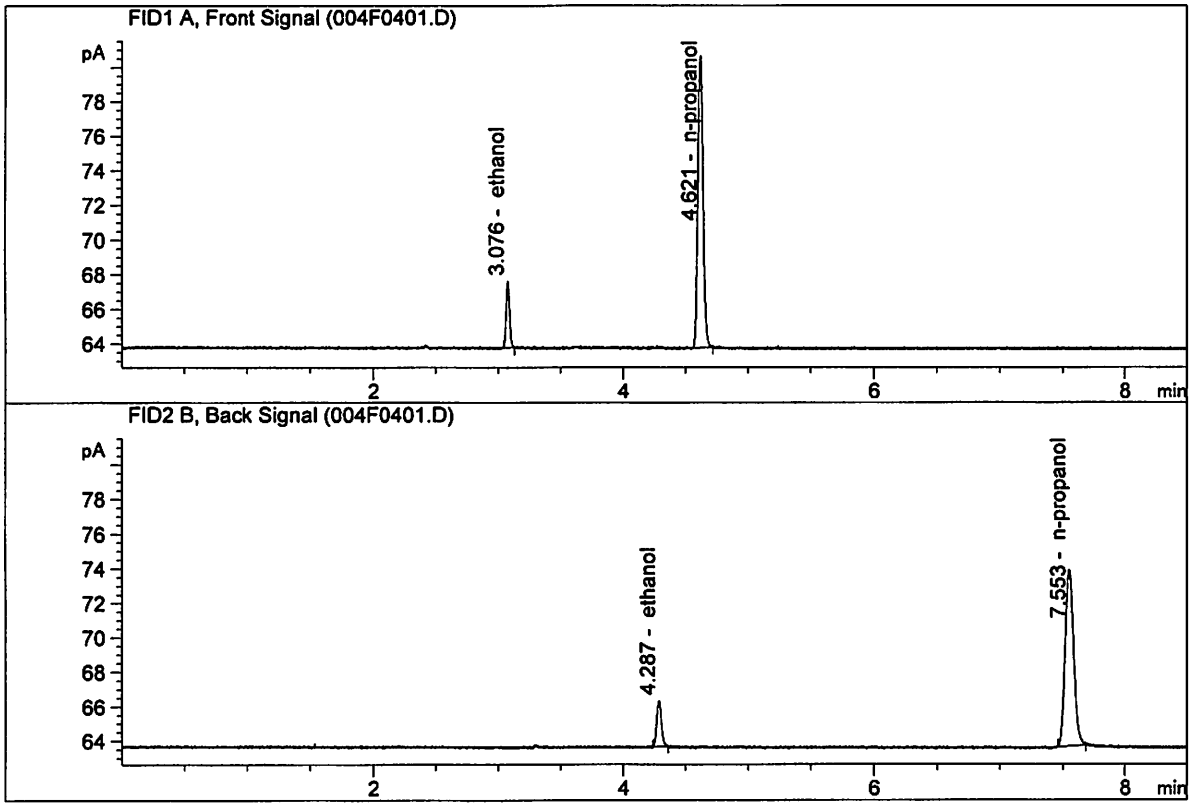
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.92271	0.0776	g/100cc
2.	Ethanol	Column 2:	7.16921	0.0793	g/100cc
3.	n-Propanol	Column 1:	47.21760	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.36228	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.05622	0.0777	g/100cc
2.	Ethanol	Column 2:	7.21723	0.0785	g/100cc
3.	n-Propanol	Column 1:	48.09039	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.24516	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 22 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0801	0.0801	0.0000	0.0801	0.0801	
(g/100cc)	0.0799	0.0806	0.0007	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%**

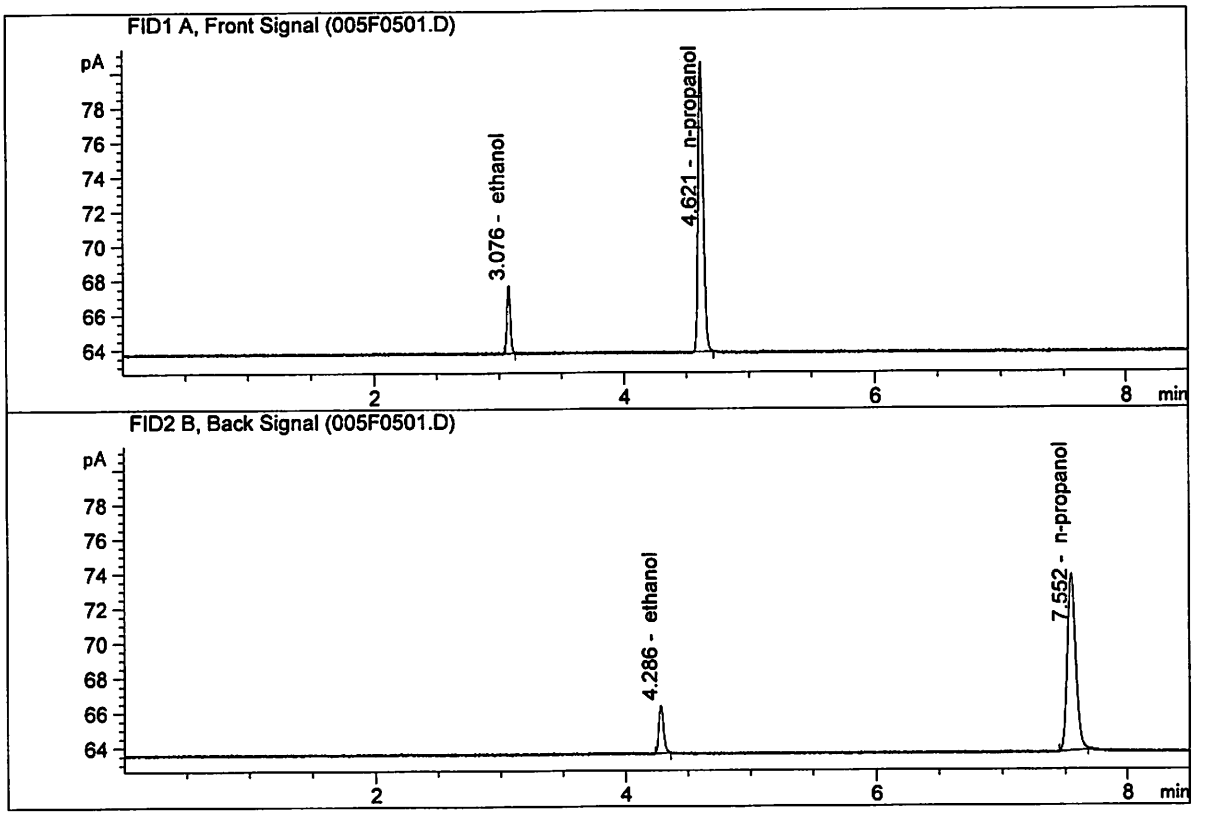
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	**0.076**	**0.084**	**0.004**

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

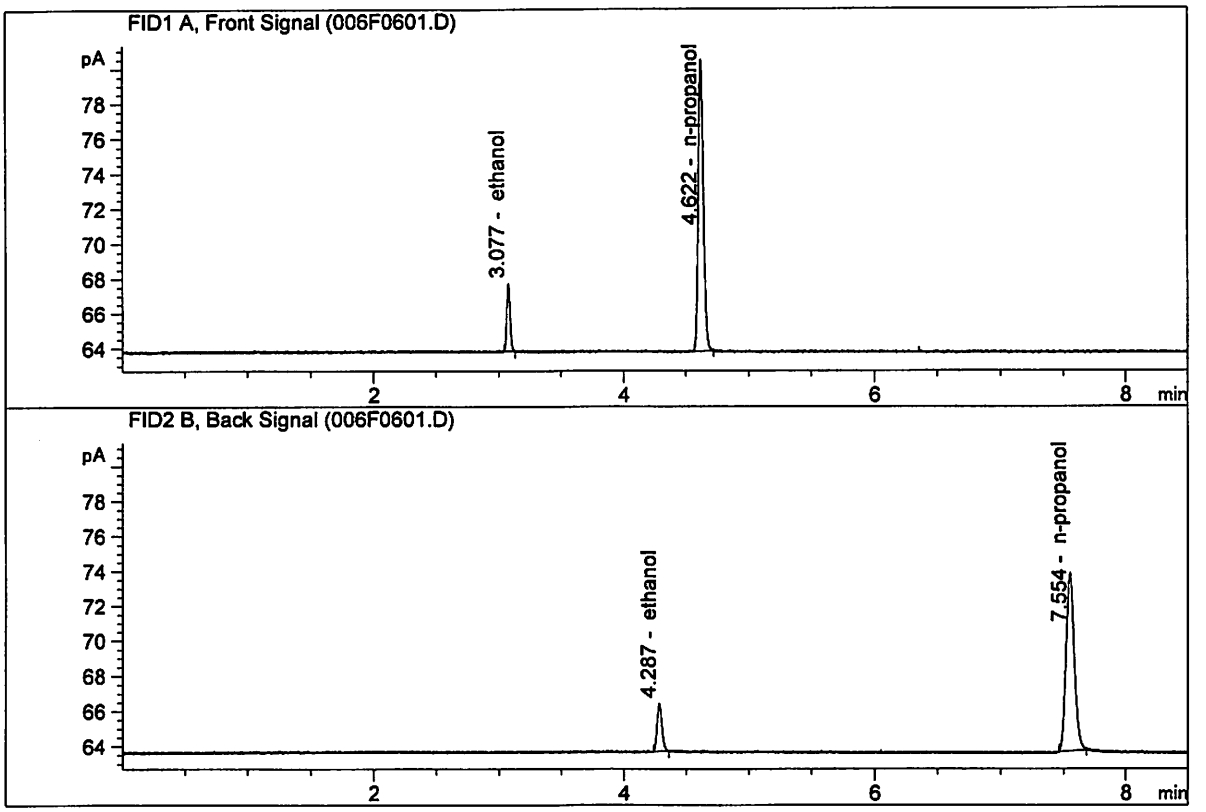


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.20232	0.0801	g/100cc
2.	Ethanol	Column 2:	7.34512	0.0801	g/100cc
3.	n-Propanol	Column 1:	47.60139	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.07326	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.16465	0.0799	g/100cc
2.	Ethanol	Column 2:	7.31269	0.0806	g/100cc
3.	n-Propanol	Column 1:	47.47472	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.48593	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 23 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0829	0.0840	0.0011	0.0834	0.0824	
(g/100cc)	0.0812	0.0818	0.0006	0.0815		

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**

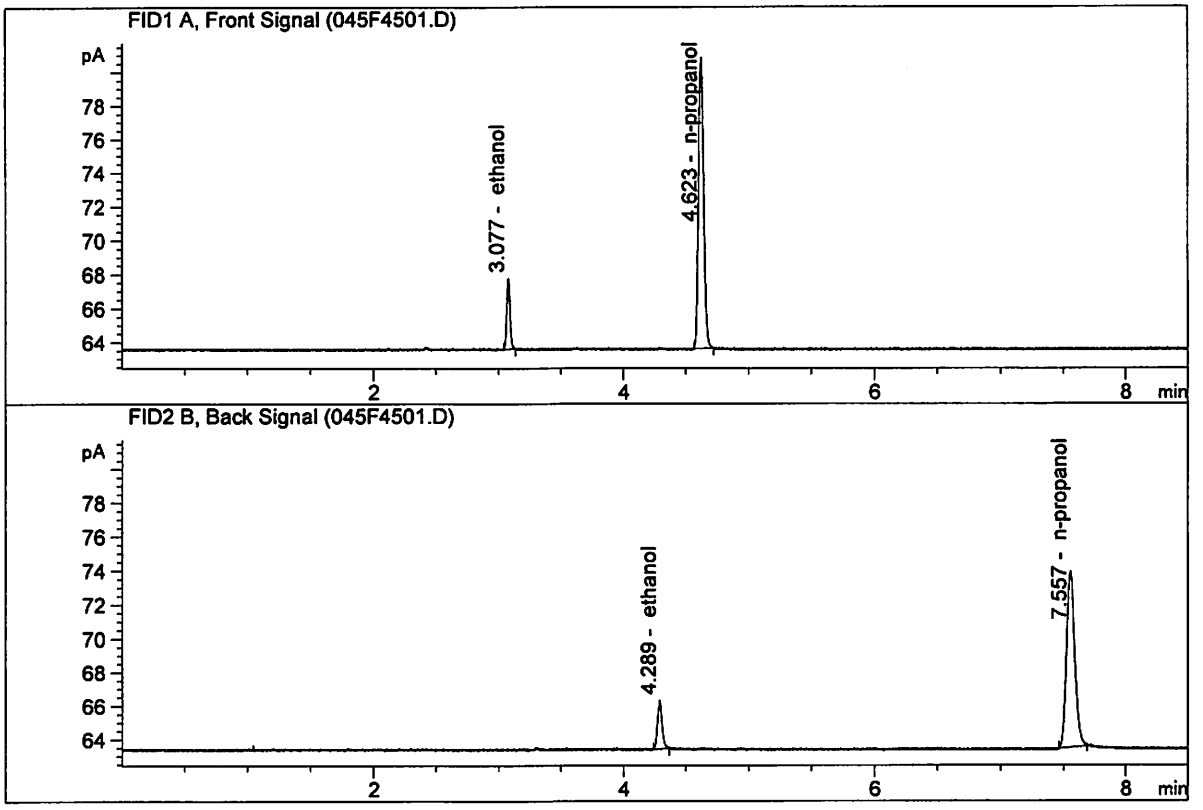
Reported Result

0.082

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

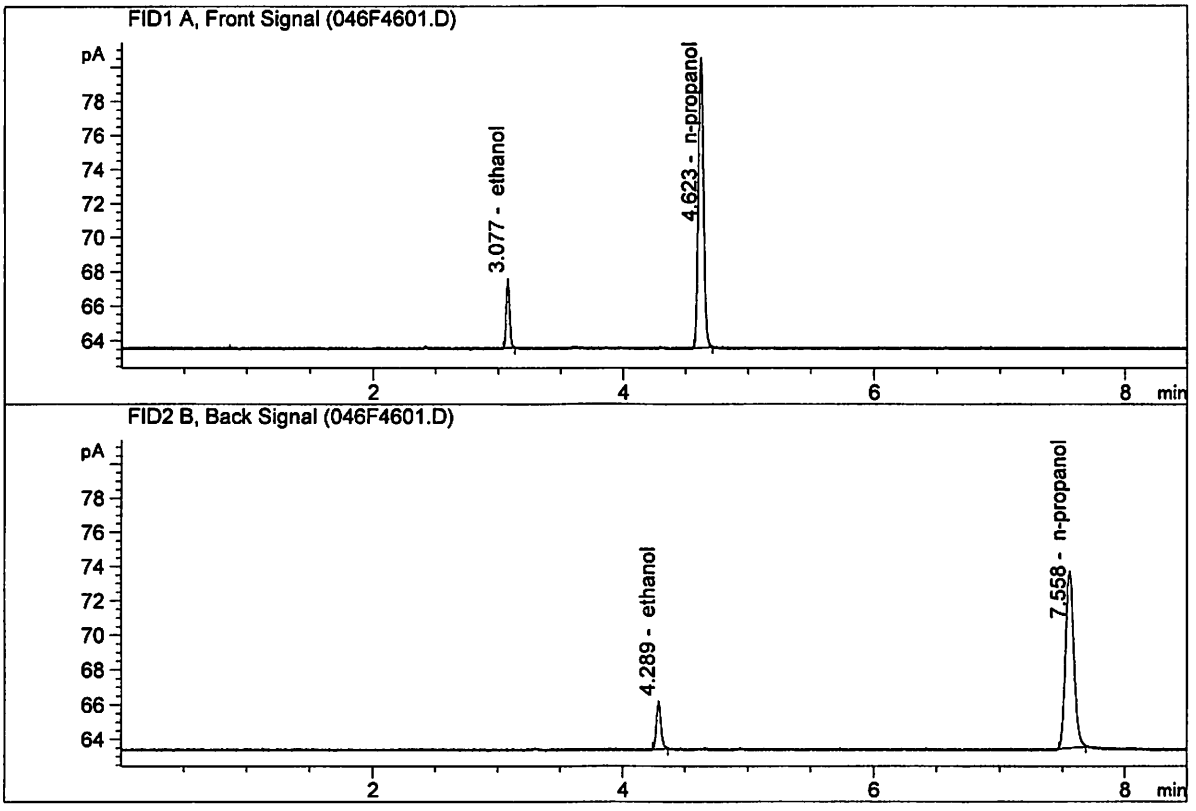
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Aug 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.67384	0.0829	g/100cc
2.	Ethanol	Column 2:	7.85684	0.0840	g/100cc
3.	n-Propanol	Column 1:	48.97939	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.88748	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Aug 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.39095	0.0812	g/100cc
2.	Ethanol	Column 2:	7.52315	0.0818	g/100cc
3.	n-Propanol	Column 1:	48.20375	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.12802	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 22 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2047	0.2034	0.0013	0.2040	0.2039	
(g/100cc)	0.2035	0.2043	0.0008	0.2039		

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
0.203	**0.192**	**0.214**	**0.011**

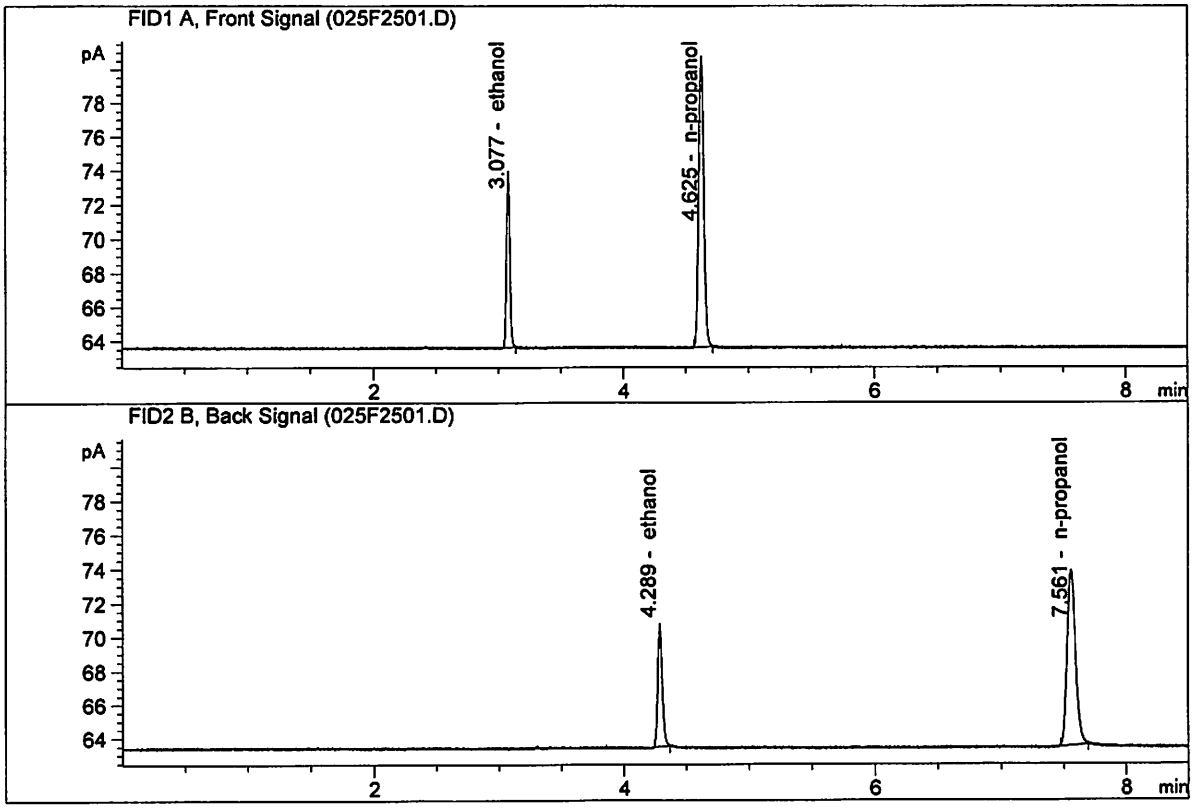
Reported Result

0.203

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

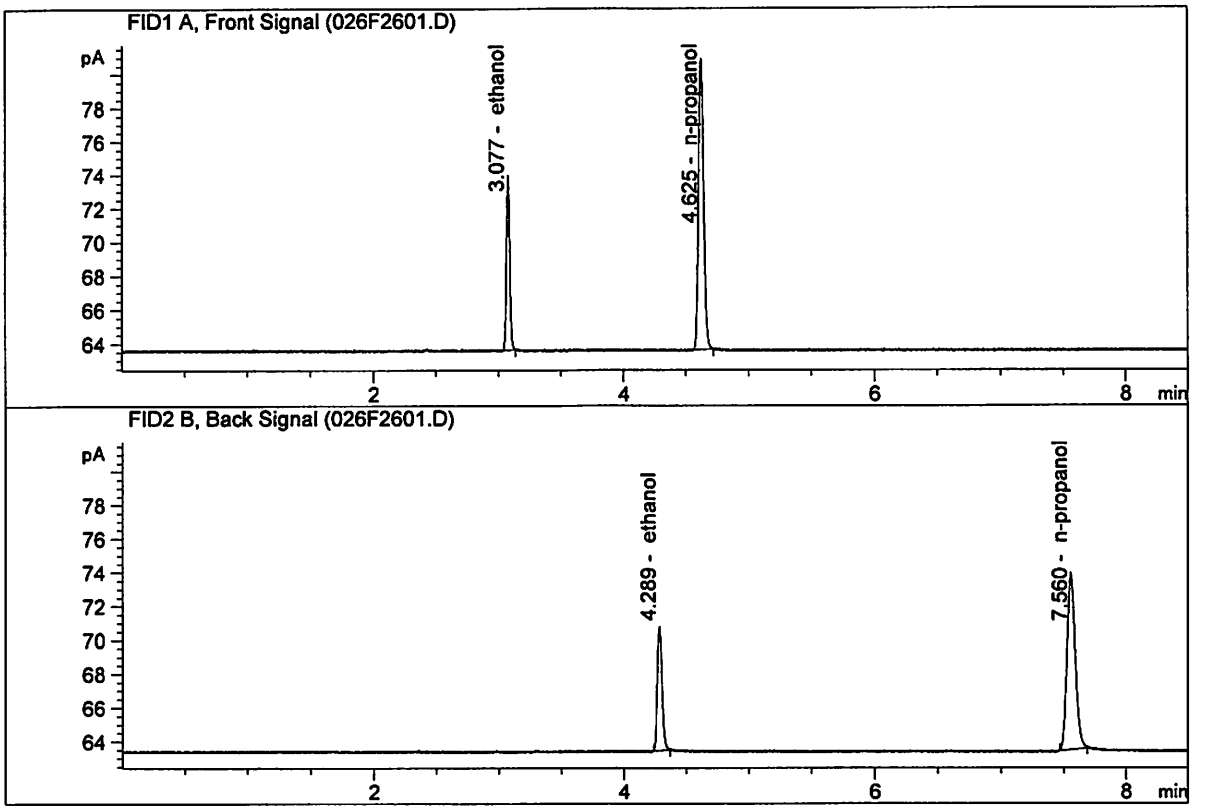
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.95374	0.2047	g/100cc
2.	Ethanol	Column 2:	19.55796	0.2034	g/100cc
3.	n-Propanol	Column 1:	48.78213	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.87220	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

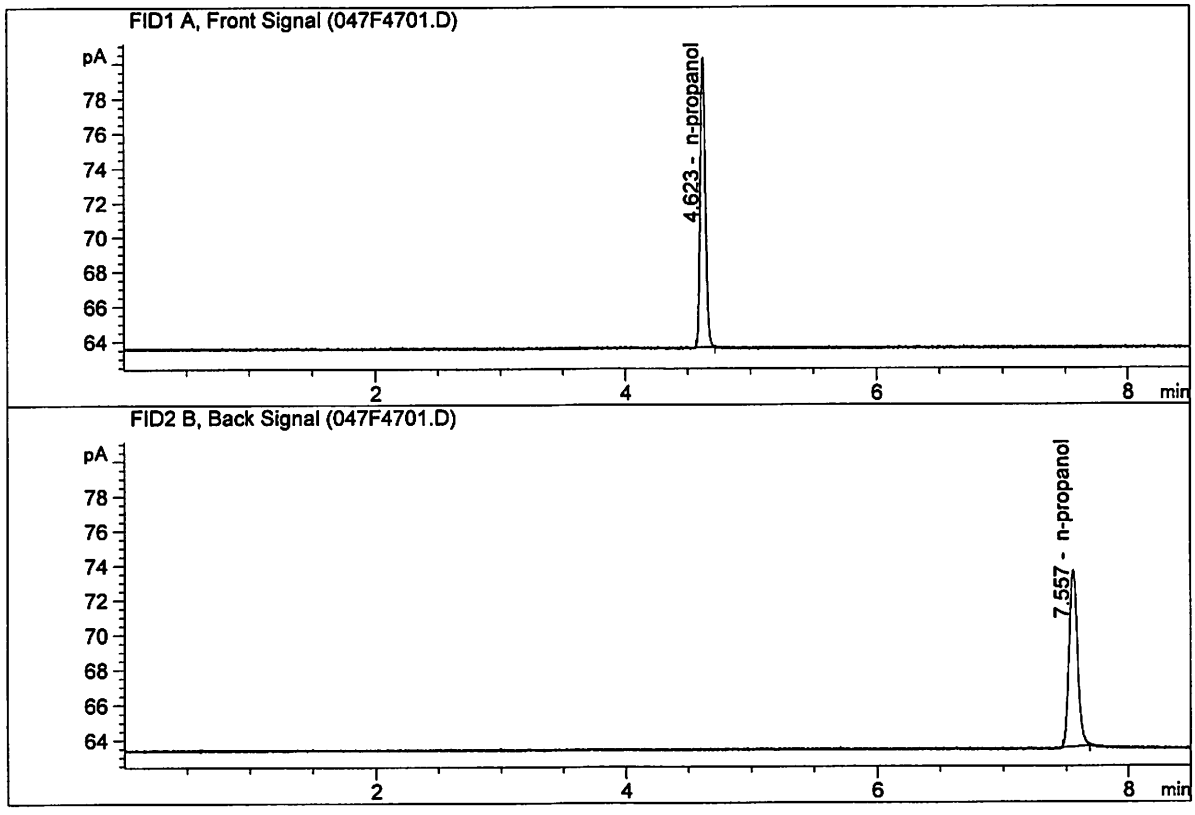
Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Aug 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.94250	0.2035	g/100cc
2.	Ethanol	Column 2:	19.71313	0.2043	g/100cc
3.	n-Propanol	Column 1:	49.05286	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.02377	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Aug 23, 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:	47.51777	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.38821	1.0000	g/100cc

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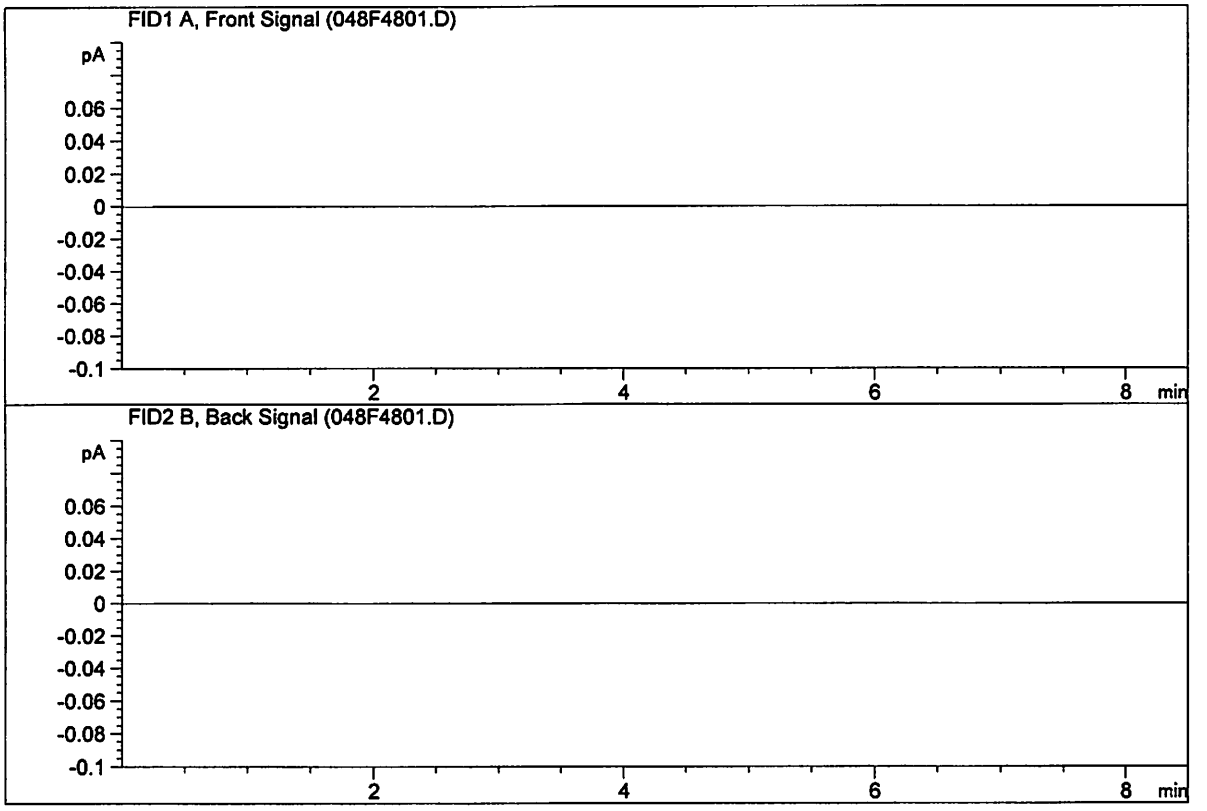
ISP Forensic Services Blood Alcohol Report

Sample Name : EMPTY
Laboratory : Meridian
Injection Date : Aug 23, 2018
Method : SHUTDOWN.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:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

Sequence File C:\Chem32\...-18_SAMPLES\8-22-18_SAMPLES 2018-08-22 17-01-58\8-22-18_SAMPLES.S

Sample Summary

Sequence table: C:\Chem32\1\Data\08-22-18_SAMPLES\8-22-18_SAMPLES 2018-08-22 17-01-58\8-22-18_SAMPLES.S
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Logbook: C:\Chem32\1\Data\08-22-18_SAMPLES\8-22-18_SAMPLES 2018-08-22 17-01-58\8-22-18_SAMPLES.LOG
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Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-22-18_SAMPLES\8-22-18_SAMPLES 2018-08-22 17-01-58\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	M2018-4129-1A	-	1.0000	007F0701.D		6
8	8	1	M2018-4129-1B	-	1.0000	008F0801.D		6
9	9	1	M2018-4131-1A	-	1.0000	009F0901.D		6
10	10	1	M2018-4131-1B	-	1.0000	010F1001.D		5
11	11	1	M2018-4132-1A	-	1.0000	011F1101.D		6
12	12	1	M2018-4132-1B	-	1.0000	012F1201.D		6
13	13	1	M2018-4137-1A	-	1.0000	013F1301.D		6
14	14	1	M2018-4137-1B	-	1.0000	014F1401.D		6
15	15	1	M2018-4138-1A	-	1.0000	015F1501.D		4
16	16	1	M2018-4138-1B	-	1.0000	016F1601.D		4
17	17	1	M2018-4139-1A	-	1.0000	017F1701.D		4
18	18	1	M2018-4139-1A	-	1.0000	018F1801.D		4
19	19	1	M2018-4140-1A	-	1.0000	019F1901.D		2
20	20	1	M2018-4140-1B	-	1.0000	020F2001.D		2
21	21	1	M2018-4141-1A	-	1.0000	021F2101.D		4
22	22	1	M2018-4141-1B	-	1.0000	022F2201.D		4
23	23	1	M2018-4173-1A	-	1.0000	023F2301.D		2
24	24	1	M2018-4173-1B	-	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	M2018-4175-1A	-	1.0000	027F2701.D		4
28	28	1	M2018-4175-1B	-	1.0000	028F2801.D		4
29	29	1	M2018-4186-1A	-	1.0000	029F2901.D		4
30	30	1	M2018-4186-1B	-	1.0000	030F3001.D		5
31	31	1	M2018-4197-1A	-	1.0000	031F3101.D		6
32	32	1	M2018-4197-1A	-	1.0000	032F3201.D		6
33	33	1	M2018-4198-1A	-	1.0000	033F3301.D		6
34	34	1	M2018-4198-1B	-	1.0000	034F3401.D		6
35	35	1	M2018-4207-1A	-	1.0000	035F3501.D		4
36	36	1	M2018-4207-1B	-	1.0000	036F3601.D		4
37	37	1	P2018-2224-1A	-	1.0000	037F3701.D		2
38	38	1	P2018-2224-1B	-	1.0000	038F3801.D		2
39	39	1	P2018-2249-1A	-	1.0000	039F3901.D		6
40	40	1	P2018-2249-1B	-	1.0000	040F4001.D		6
41	41	1	P2018-2277-1A	-	1.0000	041F4101.D		2
42	42	1	P2018-2277-1B	-	1.0000	042F4201.D		2
43	43	1	P2018-2305-1A	-	1.0000	043F4301.D		6

Sequence File C:\Chem32\...-18_SAMPLES\8-22-18_SAMPLES 2018-08-22 17-01-58\8-22-18_SAMPLES.S

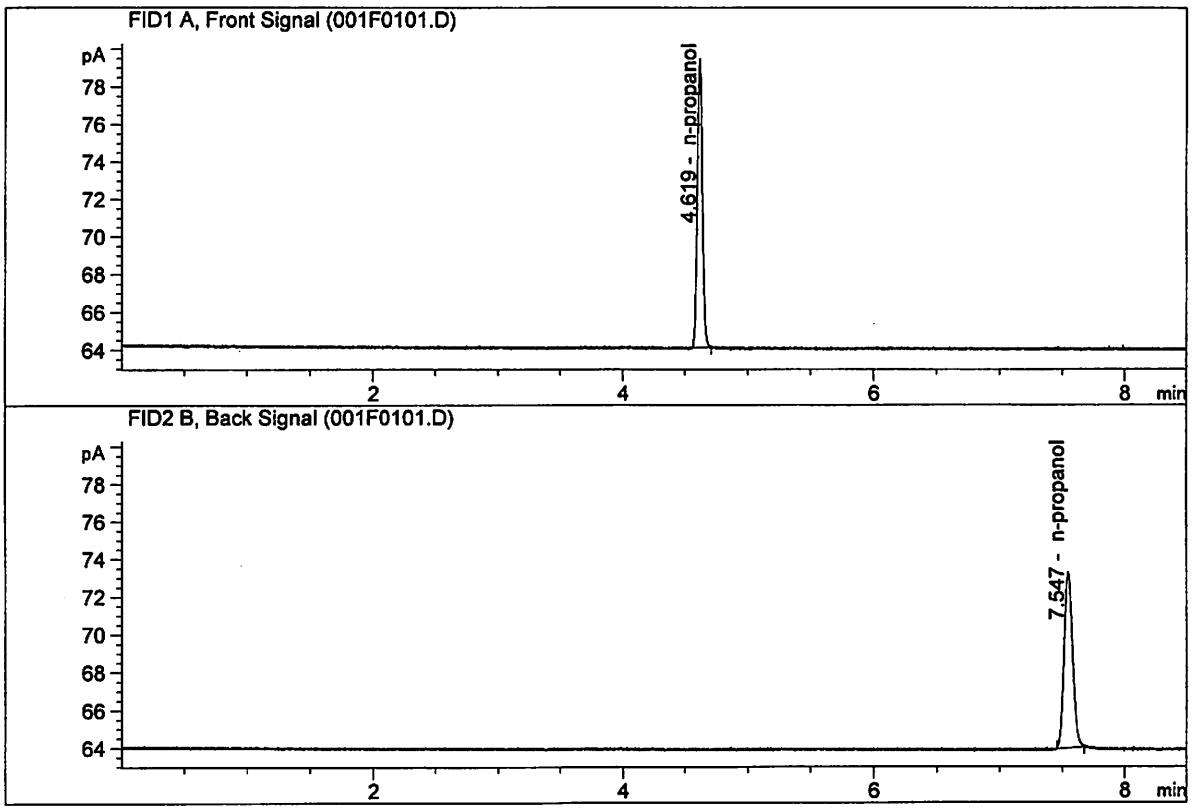
Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
44	44	1	P2018-2305-1B	-	1.0000	044F4401.D		6
45	45	1	QC1-2-A	-	1.0000	045F4501.D		4
46	46	1	QC1-2-B	-	1.0000	046F4601.D		4
47	47	1	INTERNAL STD BLK	-	1.0000	047F4701.D		2

Method file name: C:\Chem32\1\Data\08-22-18_SAMPLES\8-22-18_SAMPLES 2018-08-22 17-01-58\SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
48	48	1	EMPTY	-	1.0000	048F4801.D		0

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

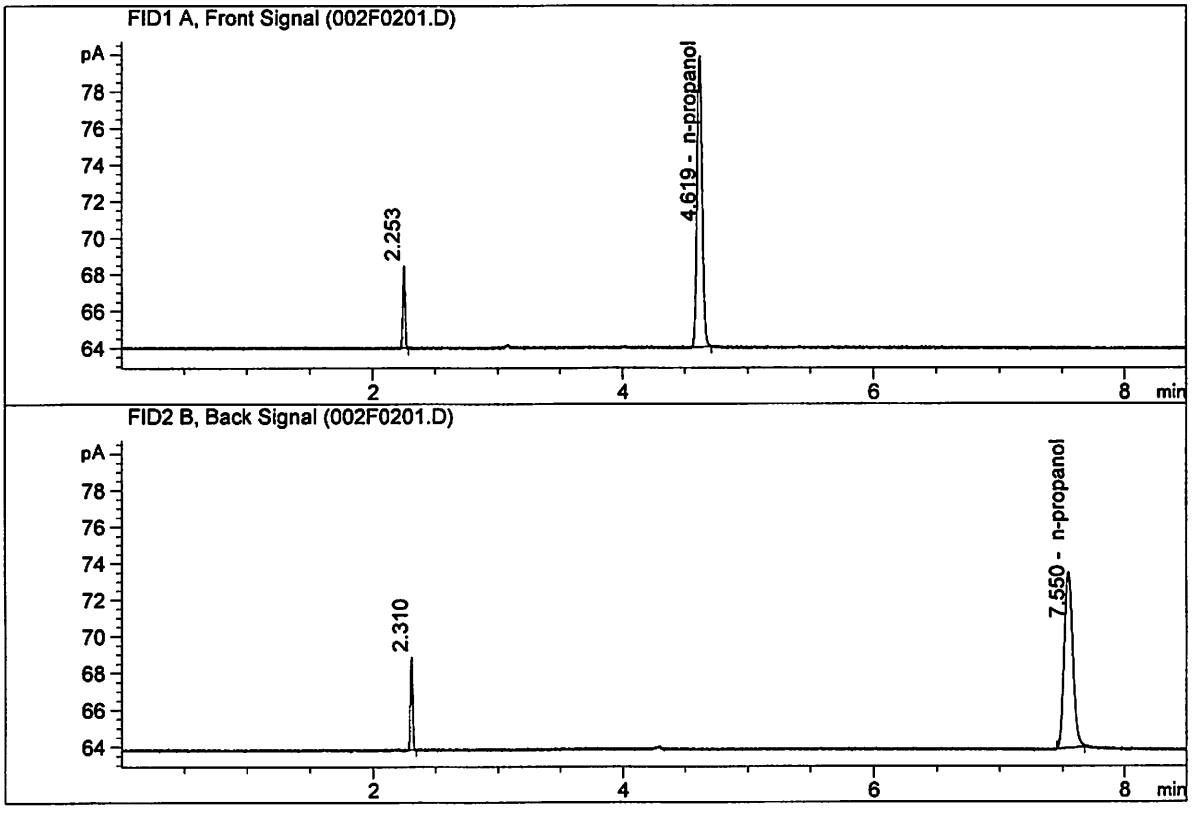


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.22417	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.62857	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

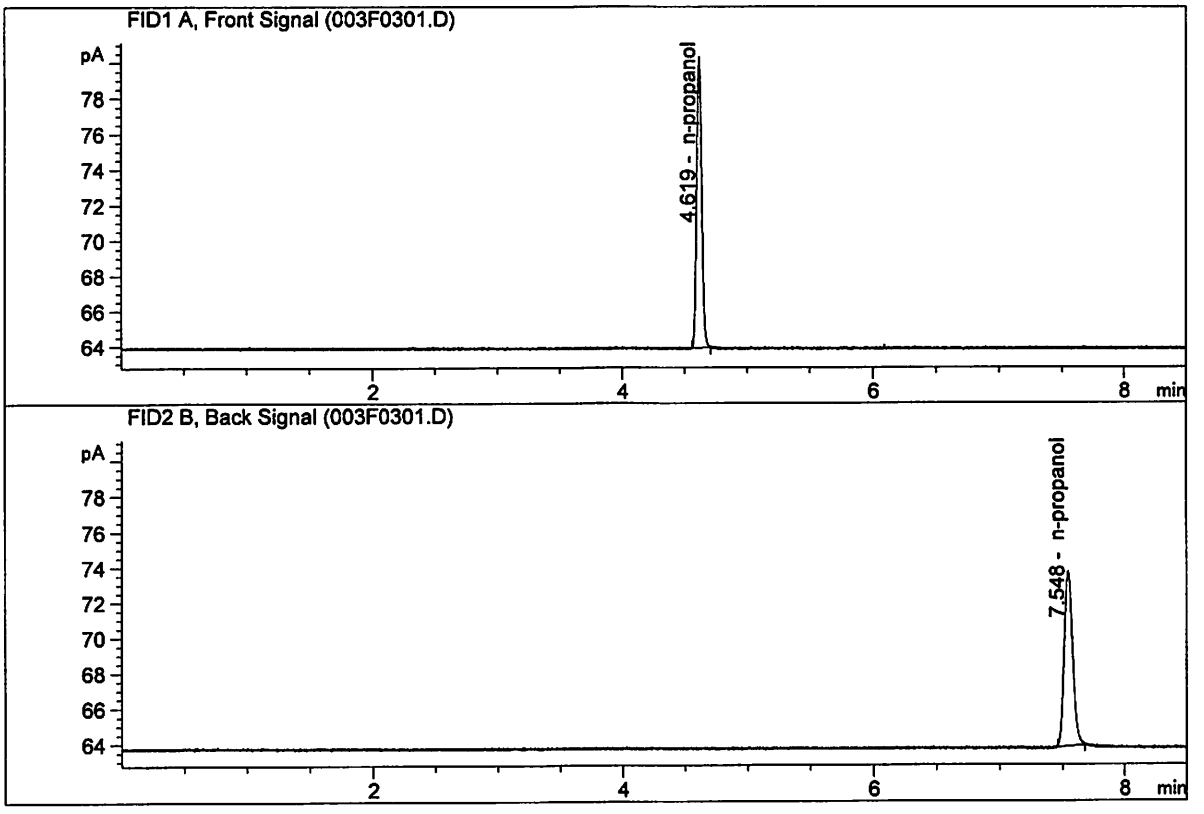


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.68995	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.95483	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Aug 24, 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:	46.19680	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.24475	1.0000	g/100cc

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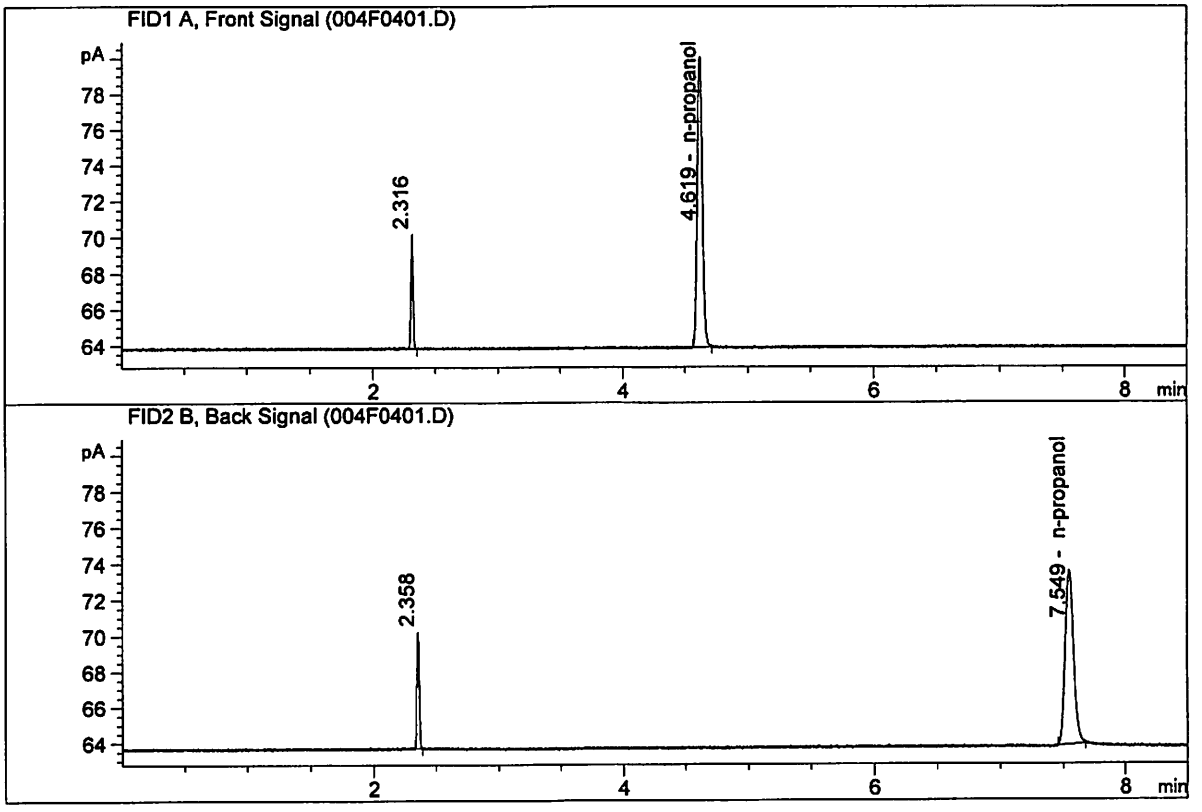
ISP Forensic Services Blood Alcohol Report

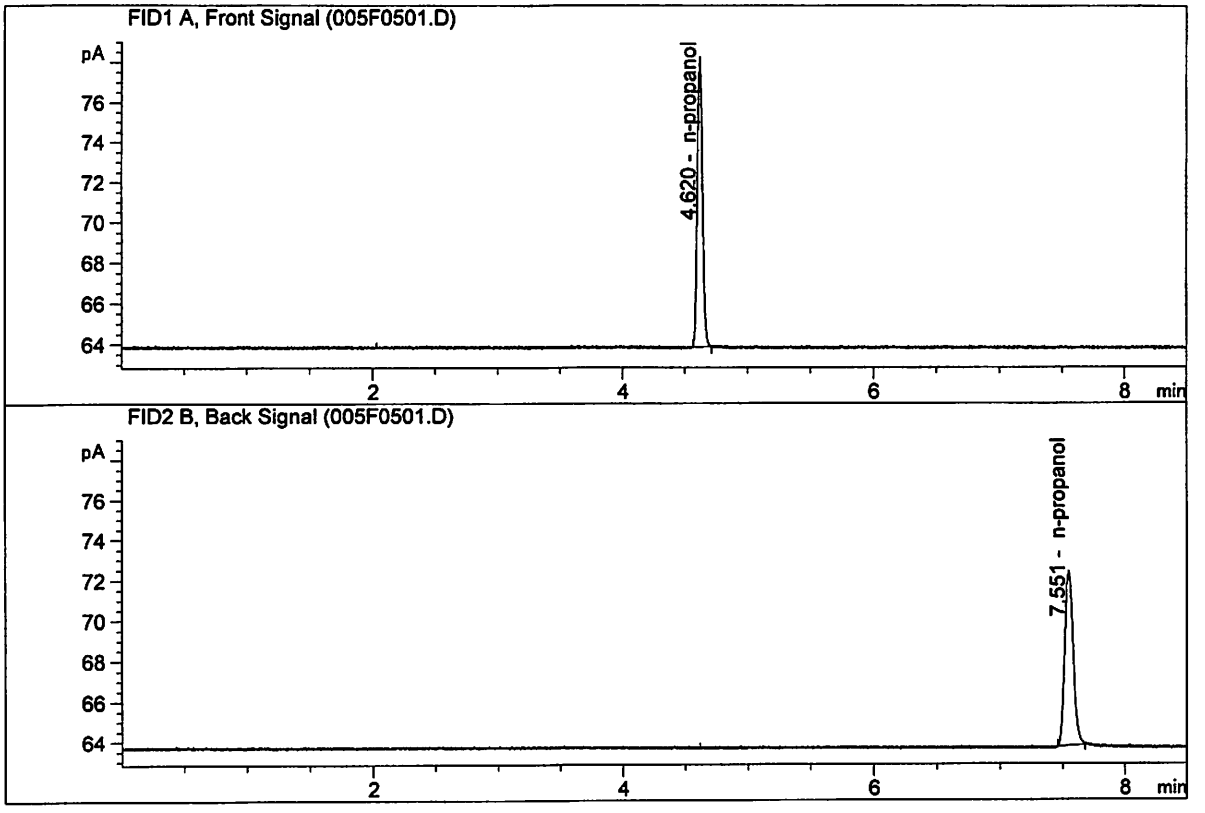
Sample Name : DFE 111914OM
Laboratory : Meridian
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	45.73116	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.49435	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Aug 24, 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:	40.83634	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.43877	1.0000	g/100cc

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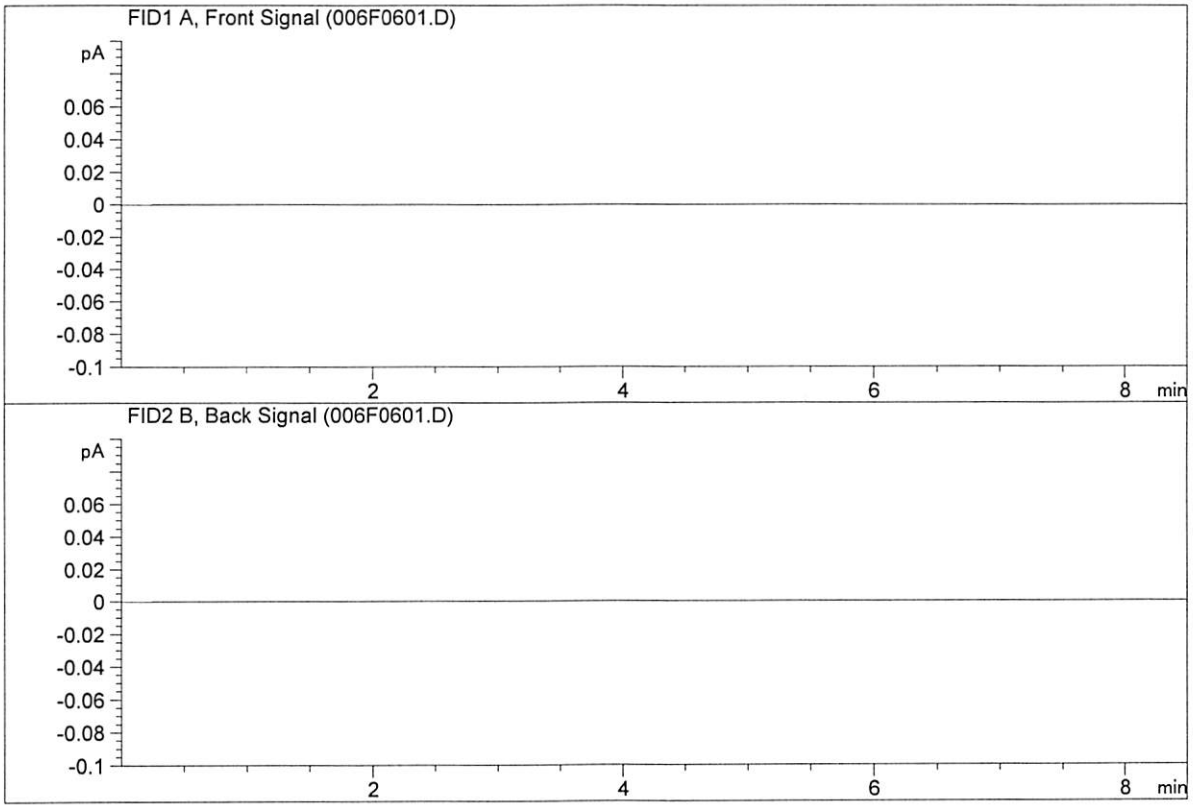
ISP Forensic Services Blood Alcohol Report

Sample Name : EMPTY
Laboratory : Meridian
Injection Date : Aug 24, 2018
Method : SHUTDOWN.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:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

JC

Sequence File C:\Chem32\...4-18_INHALE\08-24-18_INHALE 2018-08-24 10-47-42\08-24-18_INHALE.S

Sample Summary

Sequence table: C:\Chem32\1\Data\08-24-18_INHALE\08-24-18_INHALE 2018-08-24 10-47-42\08-24-18_INHALE.S
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Logbook: C:\Chem32\1\Data\08-24-18_INHALE\08-24-18_INHALE 2018-08-24 10-47-42\08-24-18_INHALE.LOG
Sequence start: 8/24/2018 11:02:19 AM
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Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-24-18_INHALE\08-24-18_INHALE 2018-08-24 10-47-42\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	TFE 111914	-	1.0000	002F0201.D		2
3	3	1	INTERNAL STD BLK	-	1.0000	003F0301.D		2
4	4	1	DFE 111914OM	-	1.0000	004F0401.D		2
5	5	1	INTERNAL STD BLK	-	1.0000	005F0501.D		2

Method file name: C:\Chem32\1\Data\08-24-18_INHALE\08-24-18_INHALE 2018-08-24 10-47-42\SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
6	6	1	EMPTY	-	1.0000	006F0601.D		0