Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD-96BC1382/MD94AM10010

Volatiles Quality Assurance Controls **Run Date(s): 04/20/2017-04/21/2017**

Calibration Date: 4/17/2017

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702 - 0.0858	0.0774 g/100cc
					0.0798 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818 - 0.2222	0.1982 g/100cc
					g/100cc

Multi-Component Mixture	**Exp: Oct 2019**	**Lot #**	FN09231404		OK
Curve Fit:		**Column 1**	1.00000	**Column 2**	0.99995

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	0.0520	0.0018	0.0511
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Jun-20	FN06181501	0.100	0.090 - 0.110	0.0996	0.0996	0	0.0996
0.200	Oct-20	FN07201502	0.200	0.180 - 0.220	0.1998	0.1972	0.0026	0.1985
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3006	0.3005	1E-04	0.3005
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.4998	0.5007	0.0009	0.5002

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Nov-20	FN10281510	0.08000	0.076 - 0.084	0.081 g/100cc

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

96

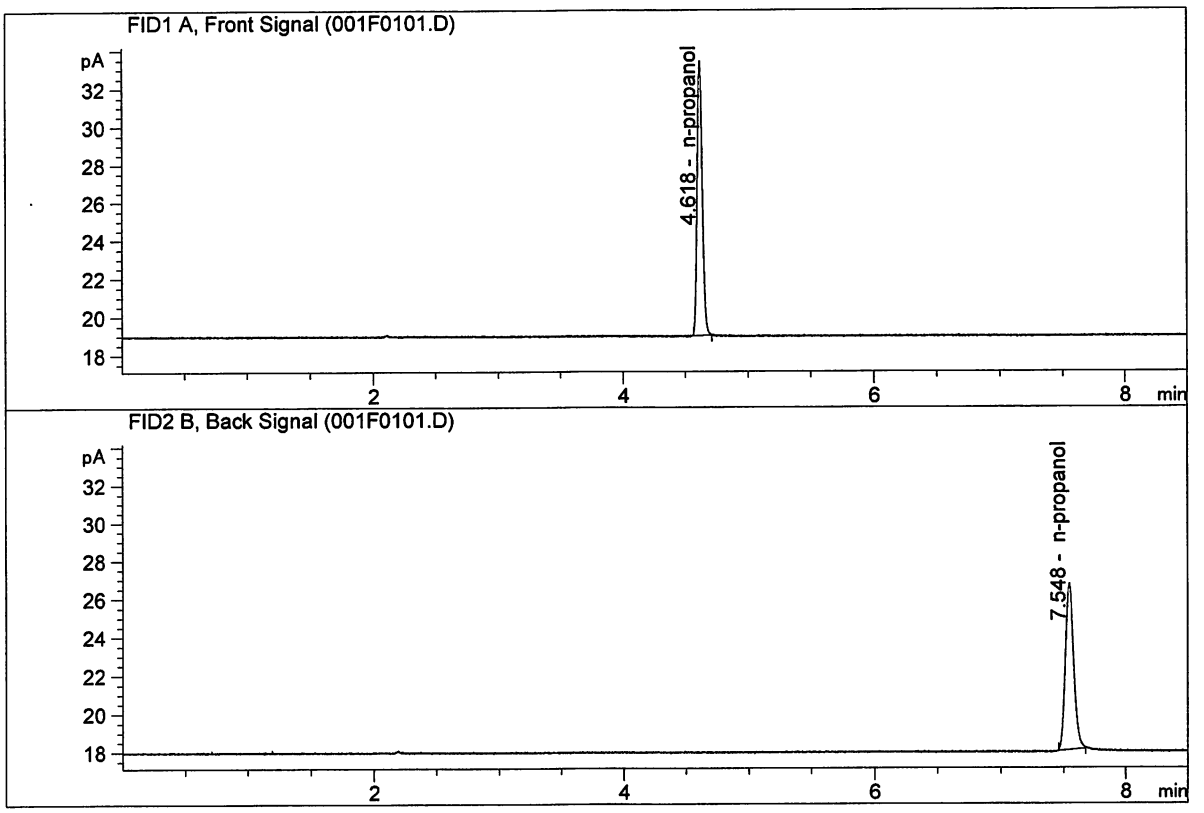
Worklist: 1674

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2017-1647	1	81878	Alcohol Analysis
M2017-1652	1	81889	Alcohol Analysis
M2017-1653	1	81893	Alcohol Analysis
M2017-1657	1	81900	Alcohol Analysis
M2017-1658	1	81901	Alcohol Analysis
M2017-1659	1	81905	Alcohol Analysis
M2017-1660	1	81909	Alcohol Analysis
M2017-1661	1	81910	Alcohol Analysis
M2017-1676	1	82102	Alcohol Analysis
M2017-1680	1	82146	Alcohol Analysis
M2017-1689	1	82177	Alcohol Analysis
M2017-1690	1	82178	Alcohol Analysis
M2017-1702	1	82193	Alcohol Analysis
M2017-1717	1	82287	Alcohol Analysis
M2017-1719	1	82292	Alcohol Analysis
M2017-1727	1	82308	Alcohol Analysis

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Apr 20, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

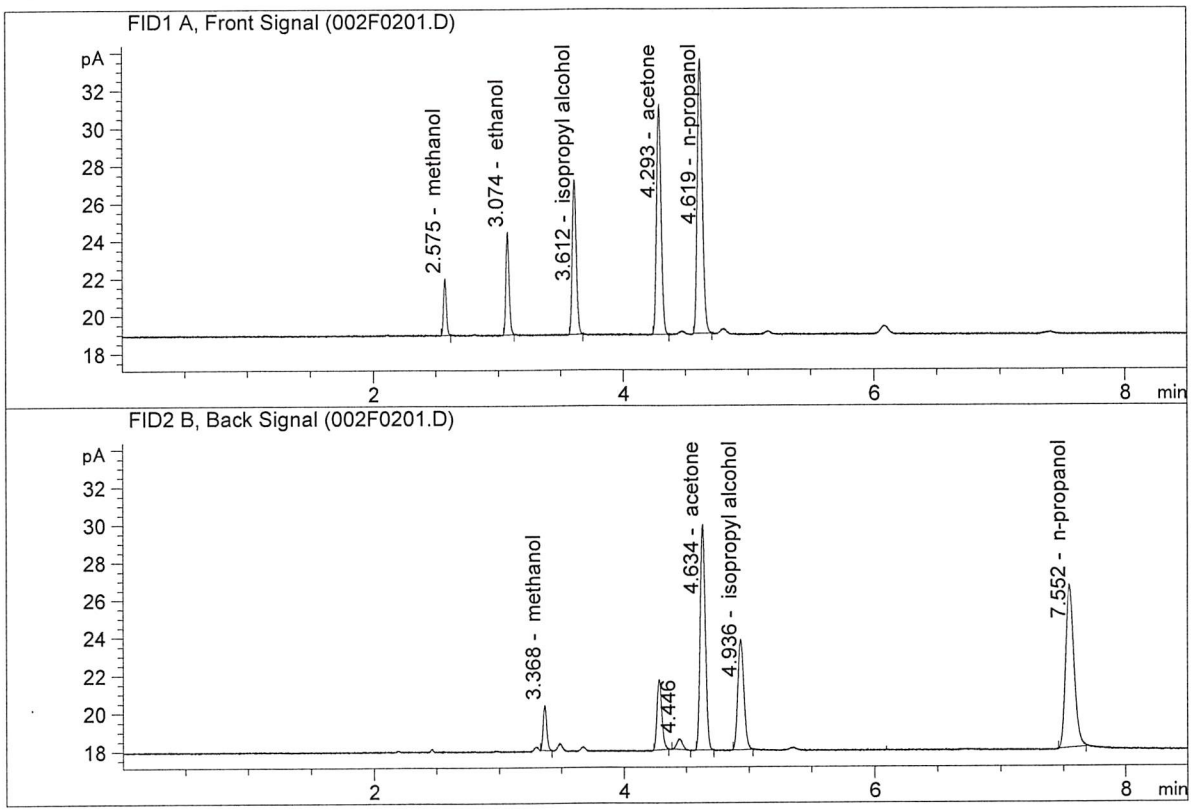


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.11974	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.66587	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN09231404
Laboratory : Meridian
Injection Date : Apr 20, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.84568	0.1117	g/100cc
2.	Ethanol	Column 2:	9.87613	0.1112	g/100cc
3.	n-Propanol	Column 1:	41.05565	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.10836	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 20 Apr 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0769	0.0779	0.0010	0.0774	0.0774	
(g/100cc)	0.0770	0.0780	0.0010	0.0775		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

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

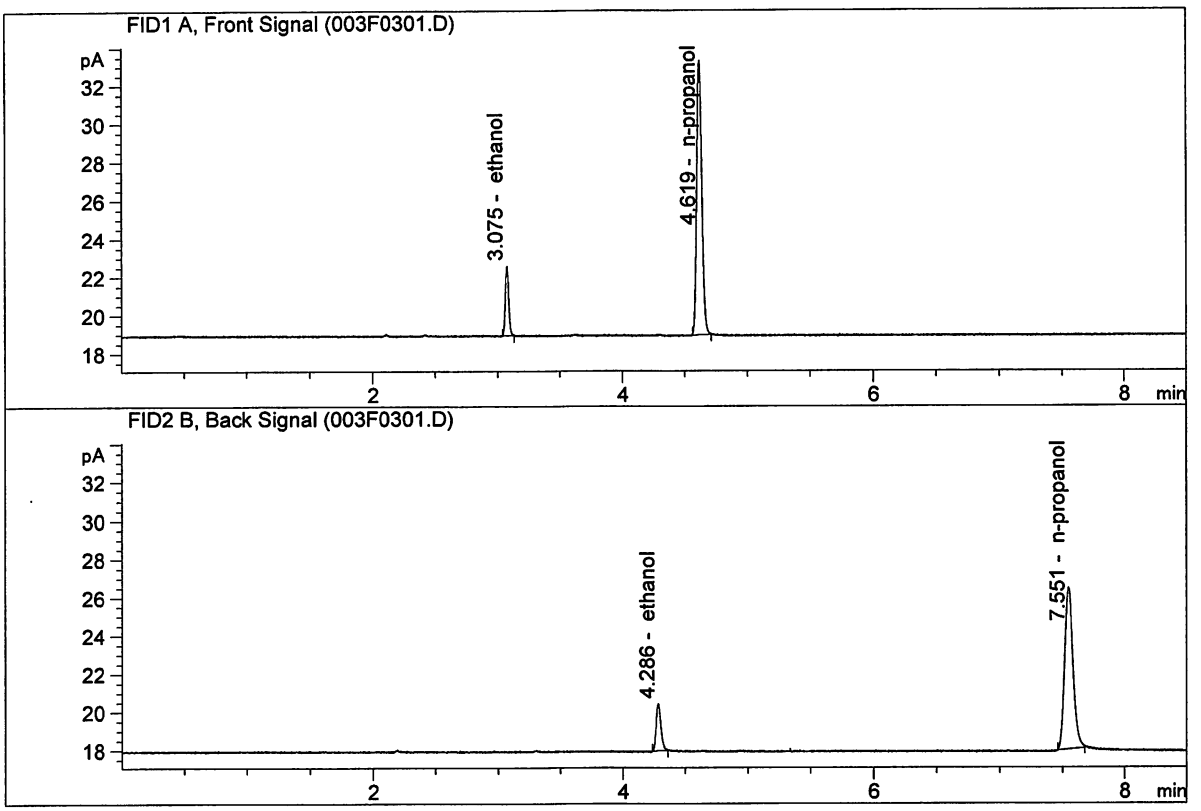
	Reported Result	
	0.077	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Apr 20, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

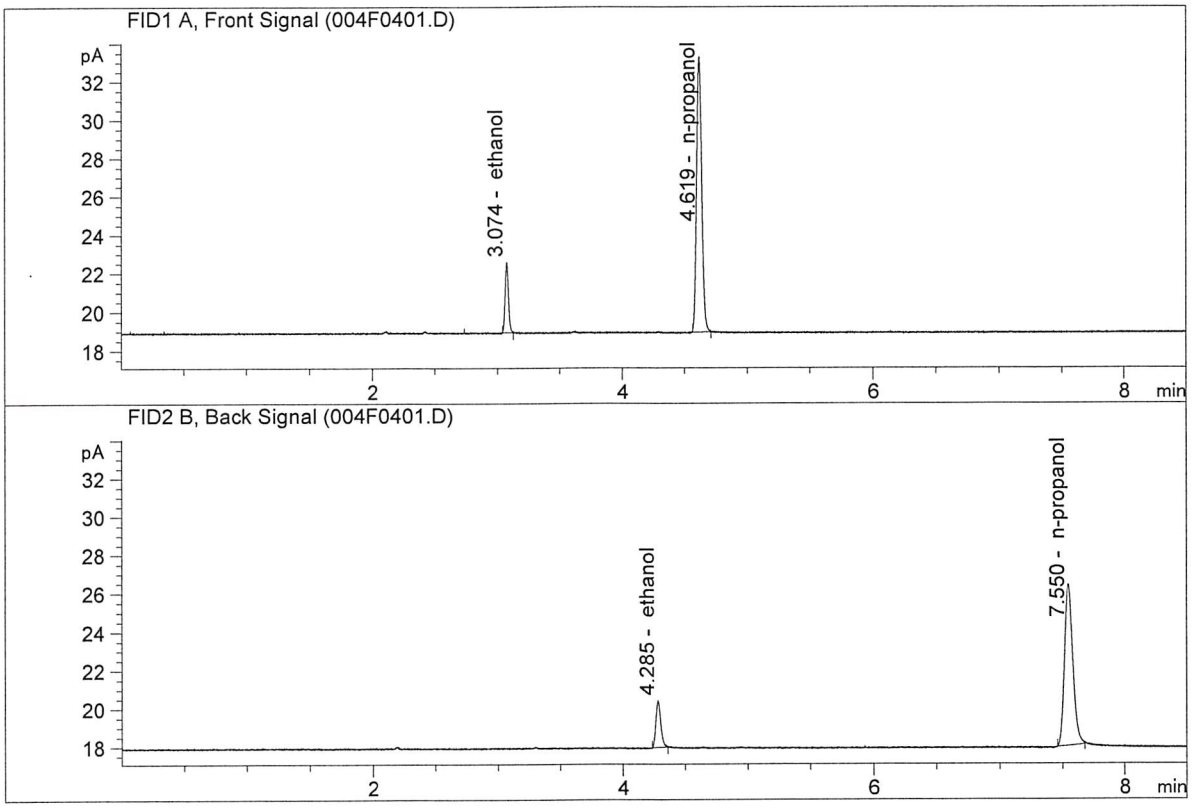


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.72816	0.0769	g/100cc
2.	Ethanol	Column 2:	6.66646	0.0779	g/100cc
3.	n-Propanol	Column 1:	40.87394	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.60434	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Apr 20, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.73810	0.0770	g/100cc
2.	Ethanol	Column 2:	6.65872	0.0780	g/100cc
3.	n-Propanol	Column 1:	40.89768	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.46071	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510 **Analysis Date(s): 20 Apr 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0802	0.0811	0.0009	0.0806	0.0812	
(g/100cc)	0.0813	0.0823	0.0010	0.0818		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	**0.076**	**0.086**	**0.005**

Reported Result

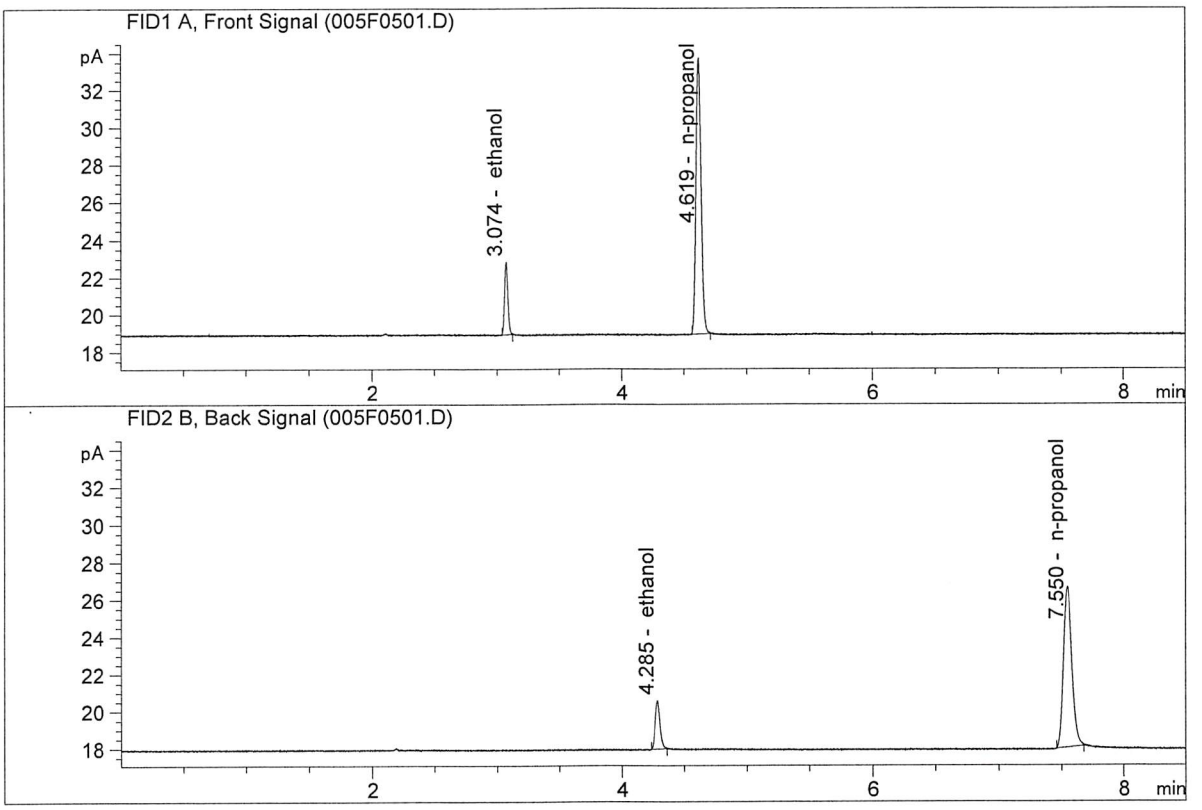
0.081

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-A
Laboratory : Meridian
Injection Date : Apr 20, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

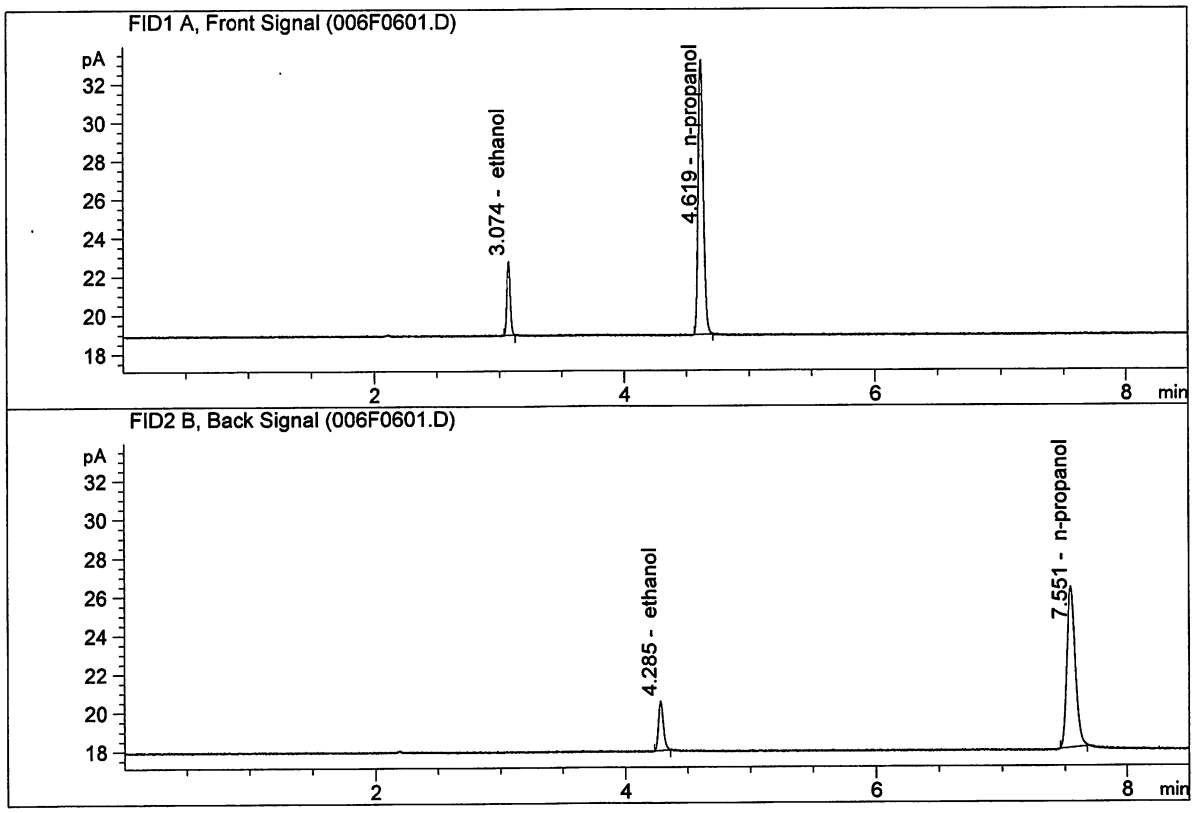


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.22947	0.0802	g/100cc
2.	Ethanol	Column 2:	7.14709	0.0811	g/100cc
3.	n-Propanol	Column 1:	42.08265	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.67564	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
Laboratory : Meridian
Injection Date : Apr 20, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.06514	0.0813	g/100cc
2.	Ethanol	Column 2:	6.97478	0.0823	g/100cc
3.	n-Propanol	Column 1:	40.59559	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.00664	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 20 Apr 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1985	0.1988	0.0003	0.1986	0.1982	
(g/100cc)	0.1976	0.1982	0.0006	0.1979		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.198	**0.188**	**0.208**	**0.010**

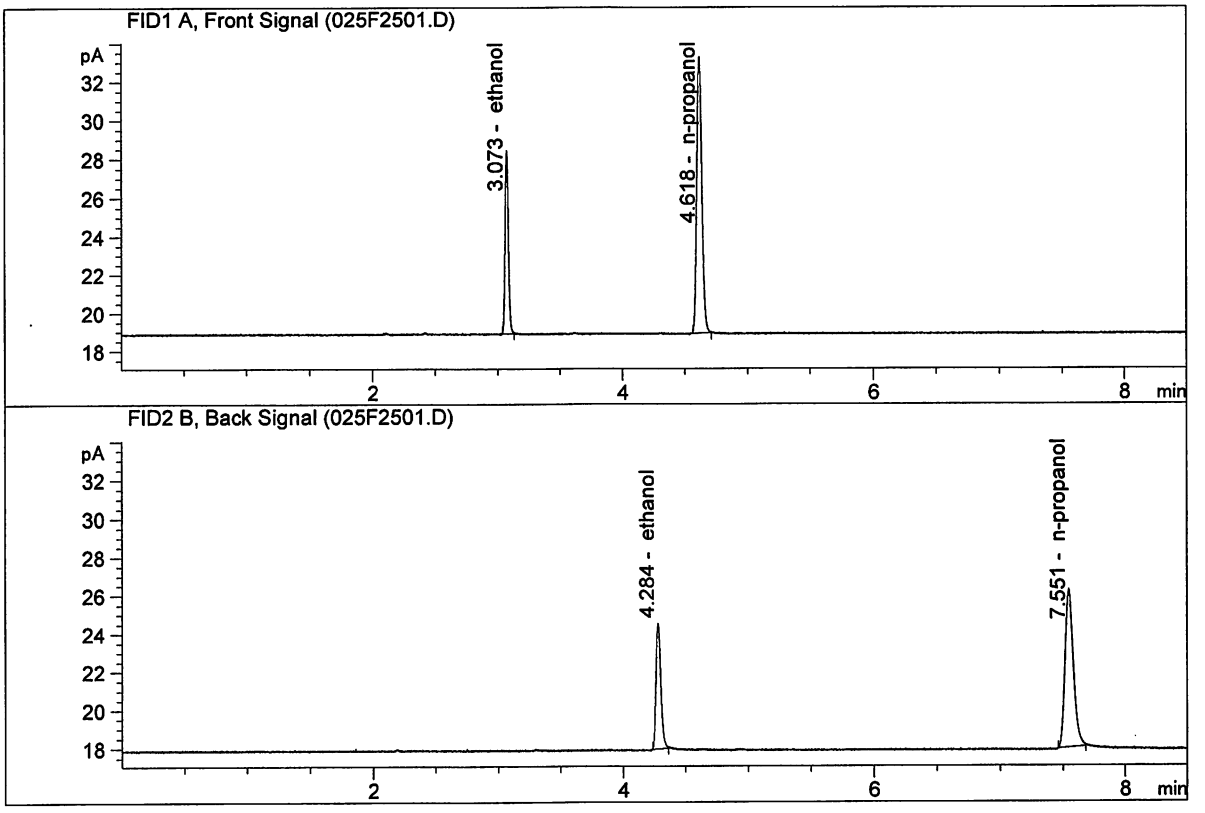
	Reported Result	
	0.198	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Apr 20, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

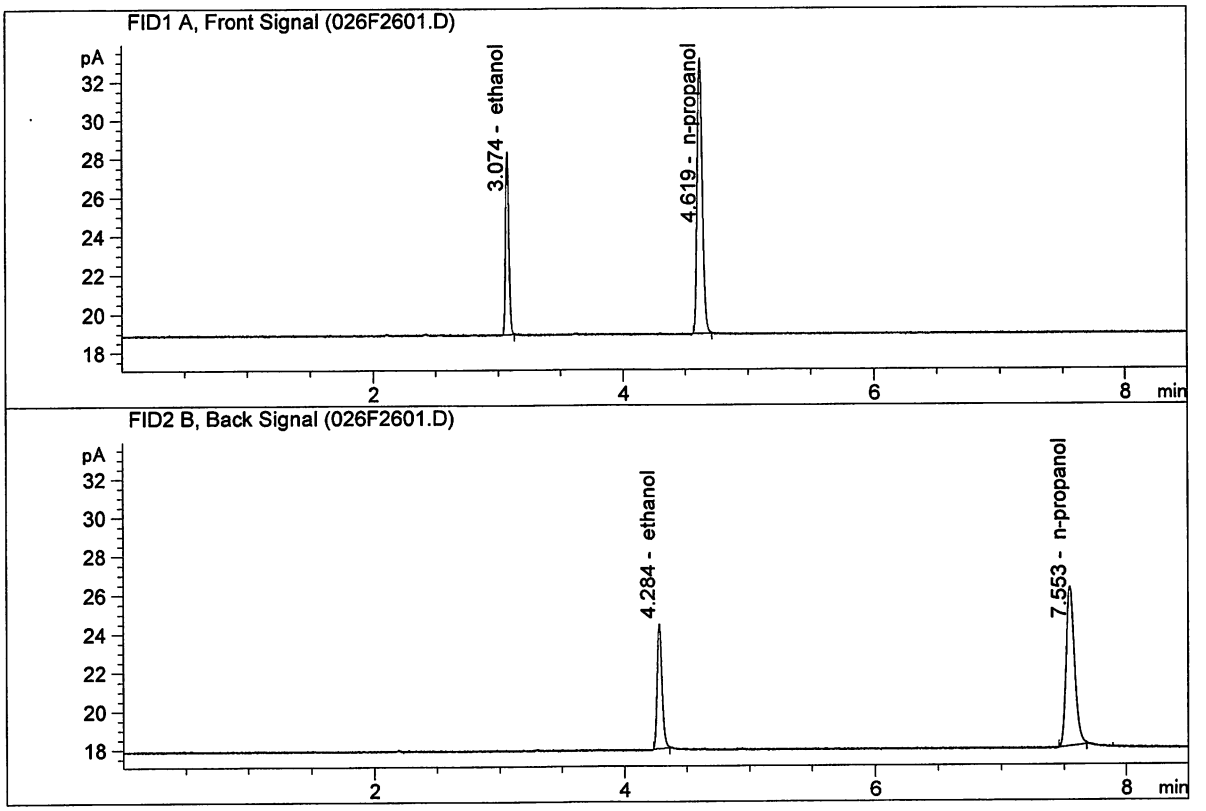


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.43803	0.1985	g/100cc
2.	Ethanol	Column 2:	17.59374	0.1988	g/100cc
3.	n-Propanol	Column 1:	40.82704	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.00271	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Apr 20, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.24317	0.1976	g/100cc
2.	Ethanol	Column 2:	17.40793	0.1982	g/100cc
3.	n-Propanol	Column 1:	40.55674	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.71745	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 20 Apr 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0795	0.0812	0.0017	0.0803	0.0798	
(g/100cc)	0.0785	0.0800	0.0015	0.0792		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	**0.075**	**0.083**	**0.004**

Reported Result

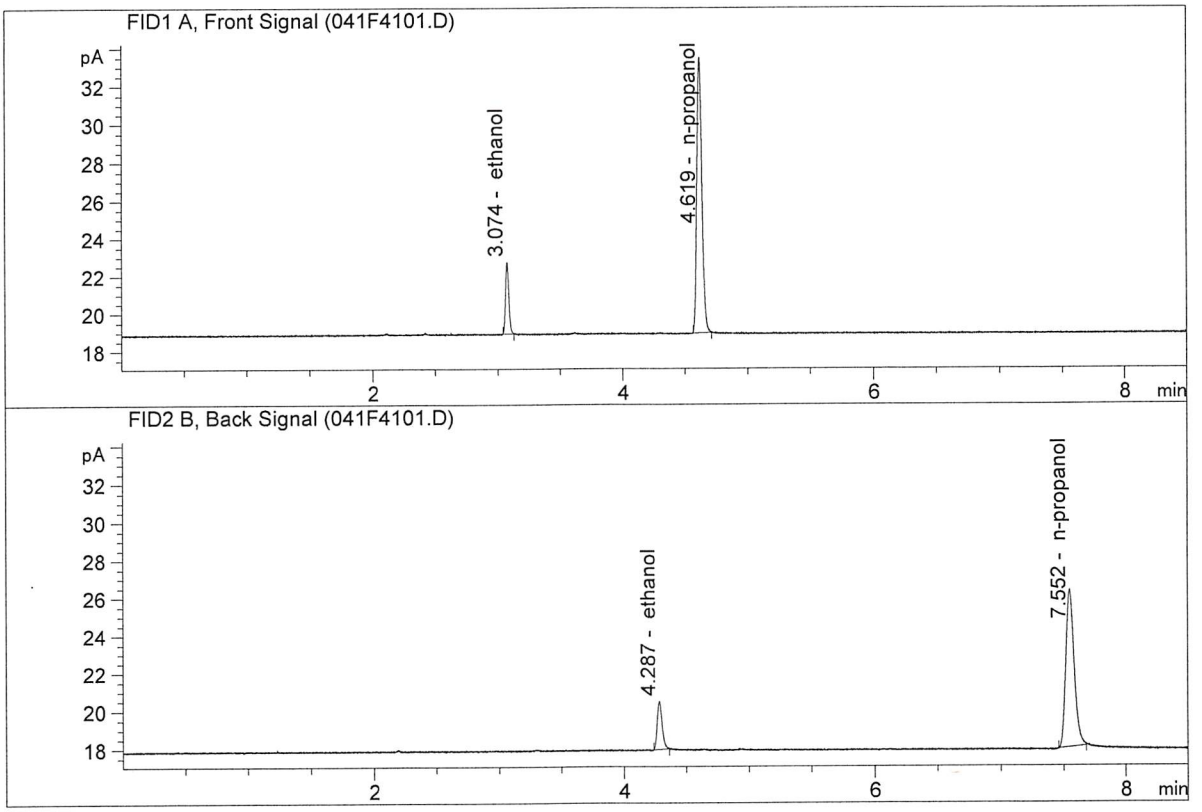
0.079

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Apr 20, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

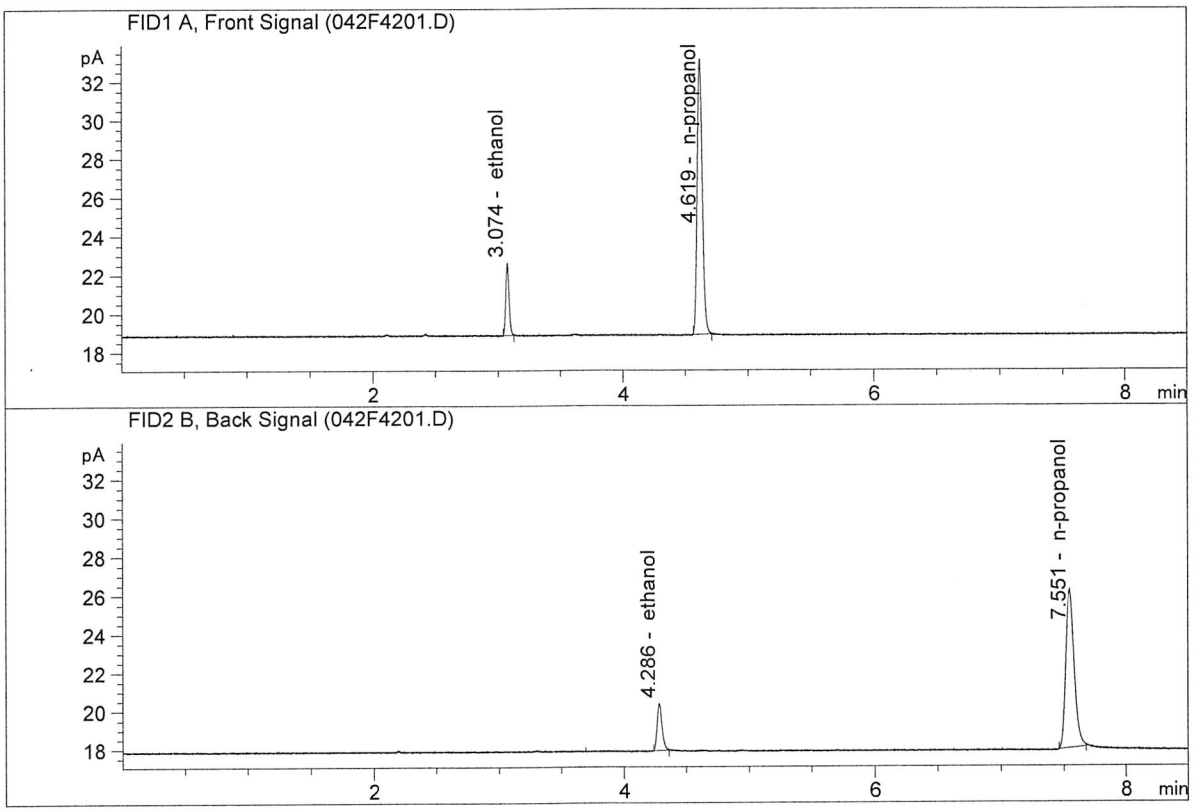


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.03135	0.0795	g/100cc
2.	Ethanol	Column 2:	6.92371	0.0812	g/100cc
3.	n-Propanol	Column 1:	41.29861	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.28582	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Apr 20, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

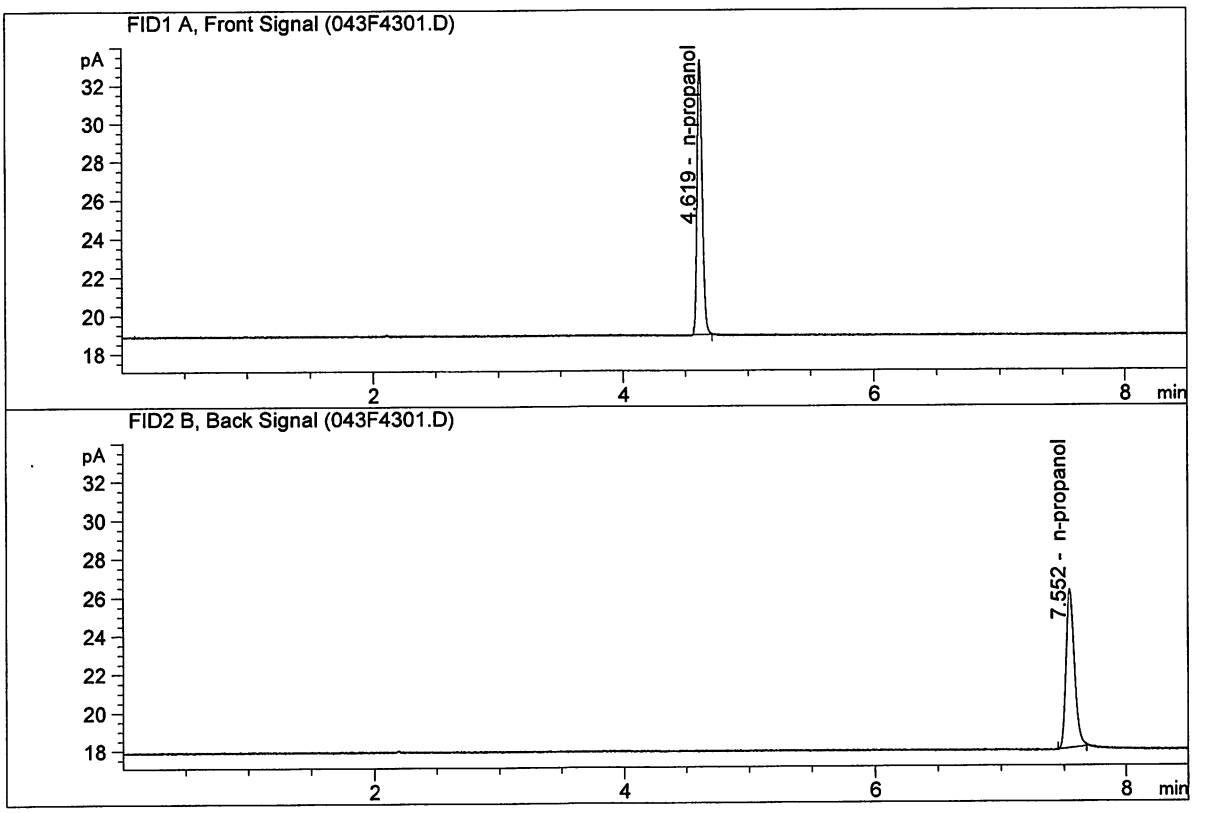


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.82789	0.0785	g/100cc
2.	Ethanol	Column 2:	6.68483	0.0800	g/100cc
3.	n-Propanol	Column 1:	40.60312	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.53111	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Apr 21, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

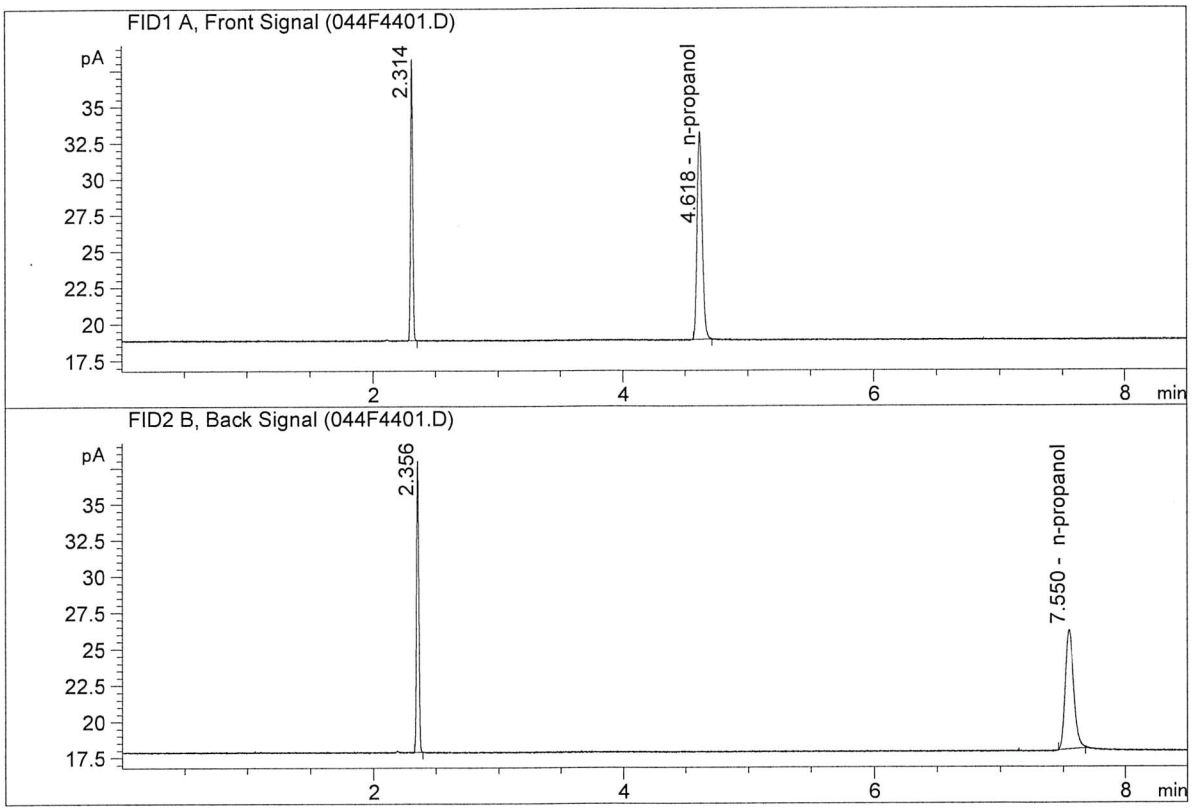


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.76380	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.94741	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : 111914OM DFE
Laboratory : Meridian
Injection Date : Apr 21, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

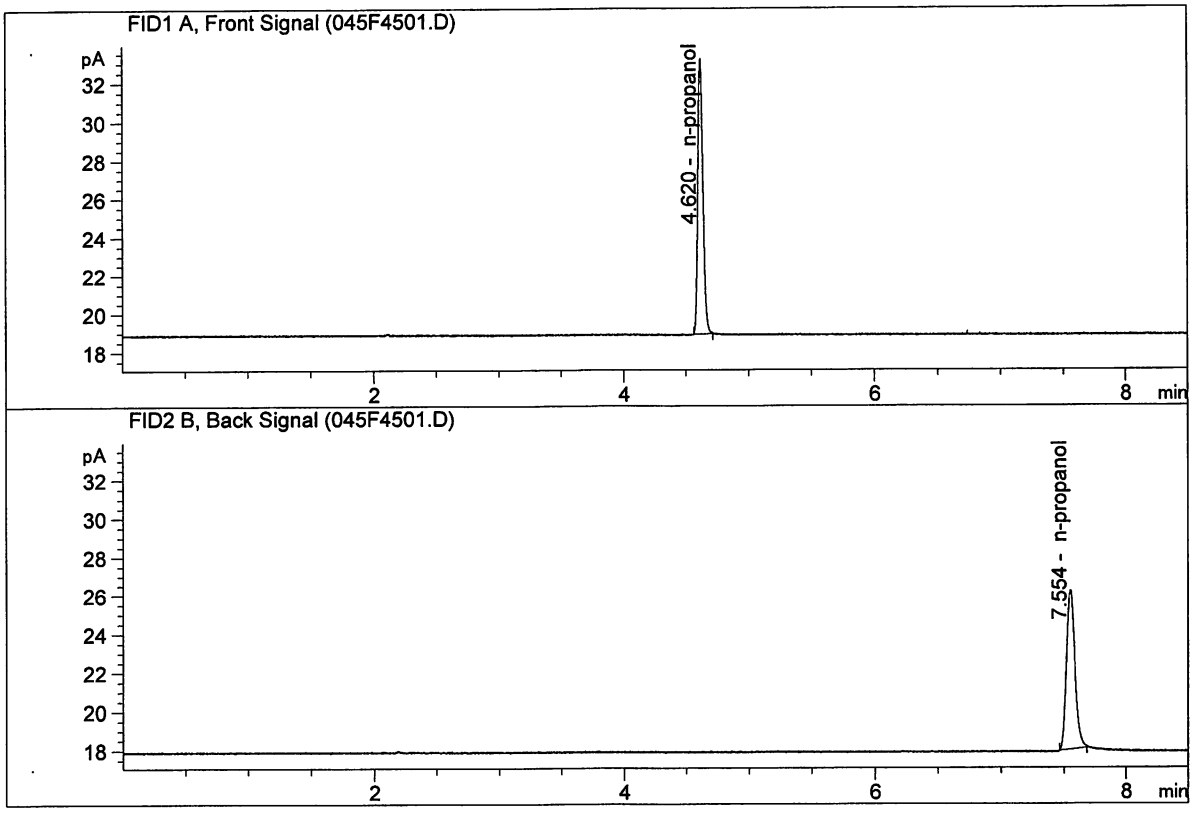


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.60876	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.51714	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Apr 21, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

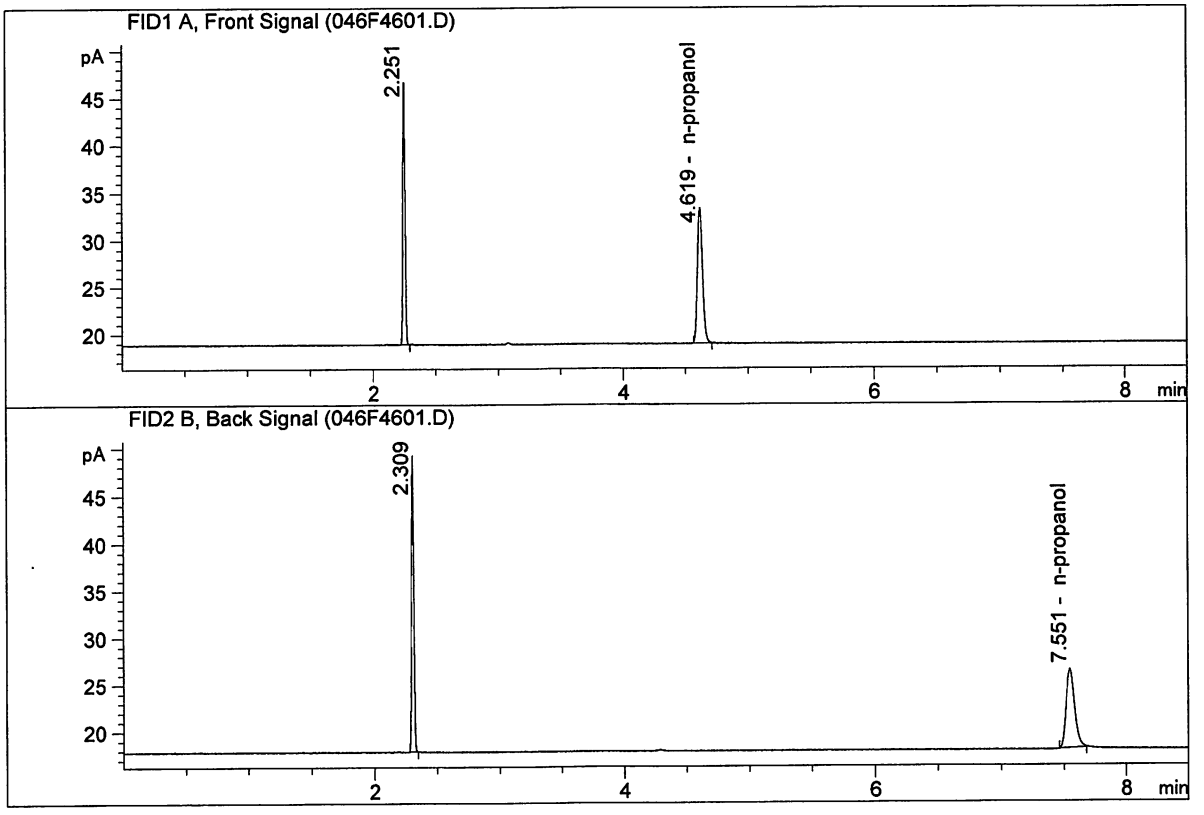


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.57156	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.43259	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 111914 TFE
Laboratory : Meridian
Injection Date : Apr 21, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

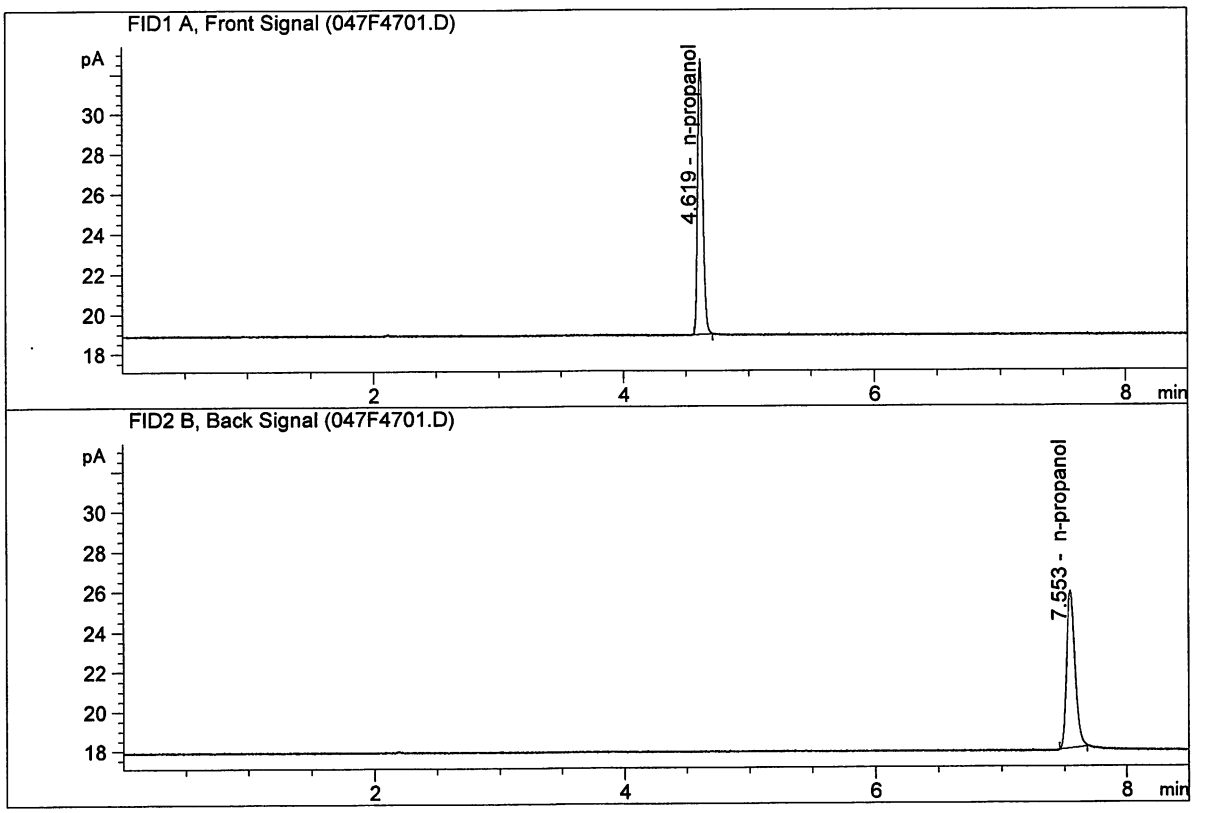


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.93100	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.82114	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Apr 21, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	39.26195	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.15259	1.0000	g/100cc

JG

Sample Summary

Sequence table: C:\Chem32\1\Data\04-20-17_SAMPLES\04-20-17_SAMPLES 2017-04-20 16-26-56\04-20-17_SAMPLES.S
Data directory path: C:\Chem32\1\Data\04-20-17_SAMPLES\04-20-17_SAMPLES 2017-04-20 16-26-56\
Logbook: C:\Chem32\1\Data\04-20-17_SAMPLES\04-20-17_SAMPLES 2017-04-20 16-26-56\04-20-17_SAMPLES.LOG
Sequence start: 4/20/2017 4:41:46 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\04-20-17_SAMPLES\04-20-17_SAMPLES 2017-04-20 16-26-56\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
1	1	1	INTERNAL STD BLK	-	1.0000	001F0101.D		2
2	2	1	MIX VOL FN092314	-	1.0000	002F0201.D		10
3	3	1	QC1-1-A	-	1.0000	003F0301.D		4
4	4	1	QC1-1-B	-	1.0000	004F0401.D		4
5	5	1	0.08 FN10281510-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN10281510-	-	1.0000	006F0601.D		4
7	7	1	M2017-1647-1-A	-	1.0000	007F0701.D		4
8	8	1	M2017-1647-1-B	-	1.0000	008F0801.D		4
9	9	1	M2017-1652-1-A	-	1.0000	009F0901.D		4
10	10	1	M2017-1652-1-B	-	1.0000	010F1001.D		4
11	11	1	M2017-1653-1-A	-	1.0000	011F1101.D		4
12	12	1	M2017-1653-1-B	-	1.0000	012F1201.D		4
13	13	1	M2017-1657-1-A	-	1.0000	013F1301.D		4
14	14	1	M2017-1657-1-B	-	1.0000	014F1401.D		4
15	15	1	M2017-1658-1-A	-	1.0000	015F1501.D		2
16	16	1	M2017-1658-1-B	-	1.0000	016F1601.D		2
17	17	1	M2017-1659-1-A	-	1.0000	017F1701.D		4
18	18	1	M2017-1659-1-B	-	1.0000	018F1801.D		4
19	19	1	M2017-1660-1-A	-	1.0000	019F1901.D		4
20	20	1	M2017-1660-1-B	-	1.0000	020F2001.D		4
21	21	1	M2017-1661-1-A	-	1.0000	021F2101.D		4
22	22	1	M2017-1661-1-B	-	1.0000	022F2201.D		4
23	23	1	M2017-1676-1-A	-	1.0000	023F2301.D		4
24	24	1	M2017-1676-1-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	M2017-1680-1-A	-	1.0000	027F2701.D		4
28	28	1	M2017-1680-1-B	-	1.0000	028F2801.D		4
29	29	1	M2017-1689-1-A	-	1.0000	029F2901.D		2
30	30	1	M2017-1689-1-B	-	1.0000	030F3001.D		2
31	31	1	M2017-1690-1-A	-	1.0000	031F3101.D		4
32	32	1	M2017-1690-1-B	-	1.0000	032F3201.D		4
33	33	1	M2017-1702-1-A	-	1.0000	033F3301.D		4
34	34	1	M2017-1702-1-B	-	1.0000	034F3401.D		4
35	35	1	M2017-1717-1-A	-	1.0000	035F3501.D		4
36	36	1	M2017-1717-1-B	-	1.0000	036F3601.D		4
37	37	1	M2017-1719-1-A	-	1.0000	037F3701.D		4
38	38	1	M2017-1719-1-B	-	1.0000	038F3801.D		4
39	39	1	M2017-1727-1-A	-	1.0000	039F3901.D		4
40	40	1	M2017-1727-1-B	-	1.0000	040F4001.D		4
41	41	1	QC1-2-A	-	1.0000	041F4101.D		4
42	42	1	QC1-2-B	-	1.0000	042F4201.D		4
43	43	1	INTERNAL STD BLK	-	1.0000	043F4301.D		2

JG

Sequence File C:\Chem32\...7_SAMPLES\04-20-17_SAMPLES 2017-04-20 16-26-56\04-20-17_SAMPLES.S

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

Method file name: C:\Chem32\1\Data\04-20-17_SAMPLES\04-20-17_SAMPLES 2017-04-20 16-26-56\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

JC

Calibration Table

General Calibration Setting

Calib. Data Modified : Monday, April 17, 2017 4:48:12 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

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
3.072	1	1	5.00000e-2	4.38795	1.13948e-2	No	No	1	ethanol
		2	1.00000e-1	8.85453	1.12937e-2				
		3	2.00000e-1	17.66217	1.13236e-2				
		4	3.00000e-1	26.73319	1.12220e-2				
		5	5.00000e-1	45.14249	1.10760e-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
4.282	2	1	5.00000e-2	4.35993	1.14681e-2	No	No	2	ethanol
		2	1.00000e-1	8.88546	1.12543e-2				
		3	2.00000e-1	17.95147	1.11411e-2				
		4	3.00000e-1	27.49356	1.09116e-2				
		5	5.00000e-1	46.85238	1.06718e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.619	1	1	1.00000	40.99425	2.43937e-2	No	Yes	1	n-propanol
		2	1.00000	41.42658	2.41391e-2				
		3	1.00000	41.08385	2.43405e-2				
		4	1.00000	41.28860	2.42198e-2				
		5	1.00000	41.88971	2.38722e-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
7.553	2	1	1.00000	41.43630	2.41334e-2	No	Yes	2	n-propanol
		2	1.00000	41.56315	2.40598e-2				
		3	1.00000	41.16446	2.42928e-2				
		4	1.00000	40.94734	2.44216e-2				
		5	1.00000	41.54546	2.40700e-2				

Peak Sum Table

No Entries in table

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1 Warnings or Errors :

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

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Calibration Curves

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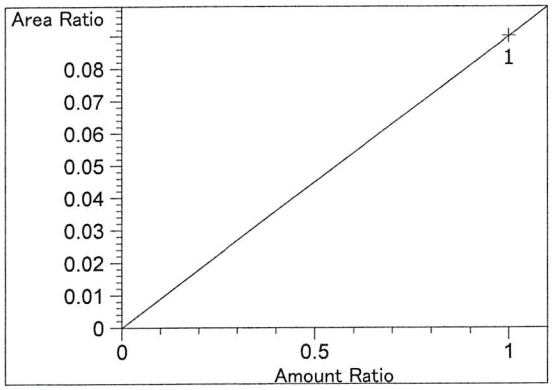
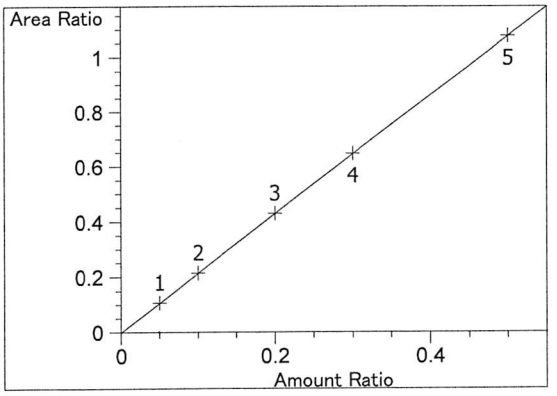
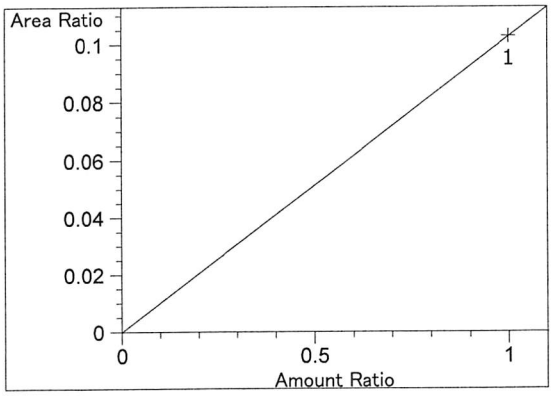


methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.01759e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

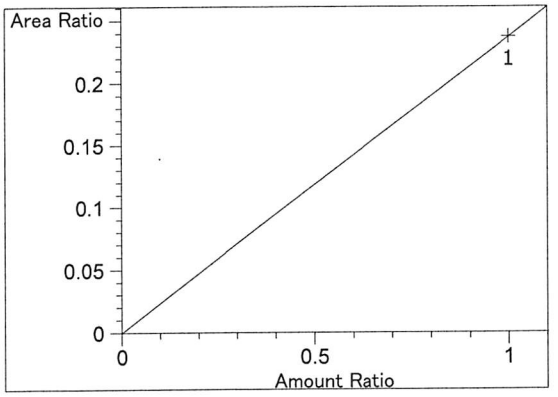
JG



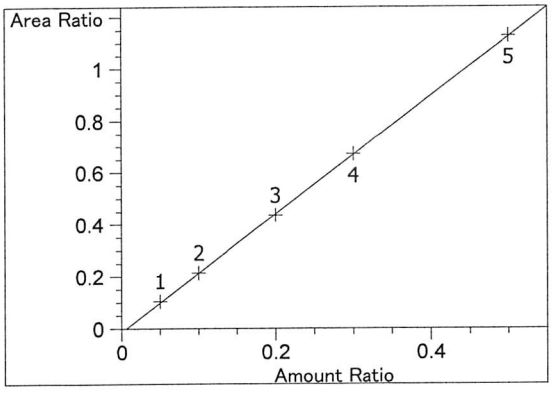
ethanol at exp. RT: 3.072
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00094
Formula: y = mx + b
m: 2.15889
b: -1.38448e-3
x: Amount Ratio
y: Area Ratio



methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.02823e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

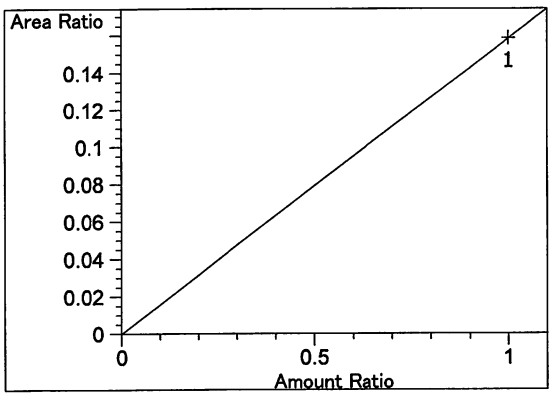


isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.37364e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

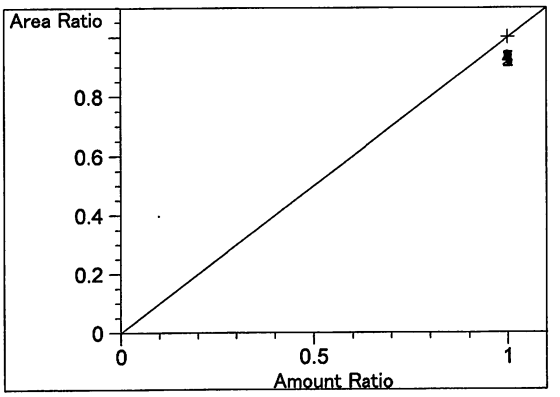


ethanol at exp. RT: 4.282
FID2 B, Back Signal
Correlation: 0.99995
Residual Std. Dev.: 0.00469
Formula: y = mx + b
m: 2.27872
b: -1.32511e-2
x: Amount Ratio
y: Area Ratio

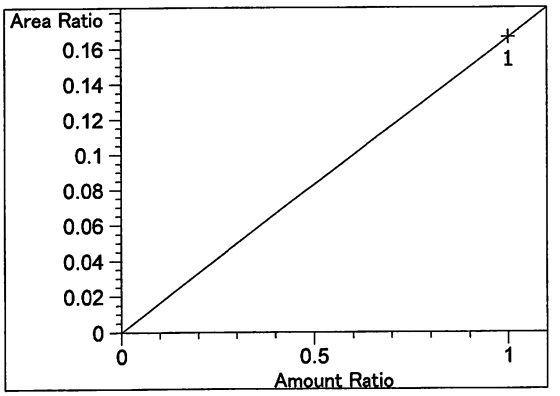
JG



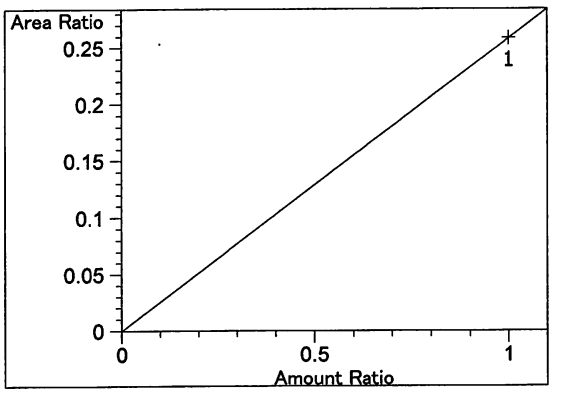
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.58544e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



n-propanol at exp. RT: 4.619
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

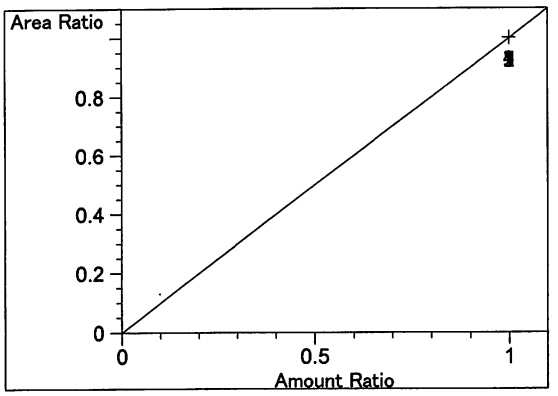


acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.66352e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.58382e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

JG



n-propanol at exp. RT: 7.553
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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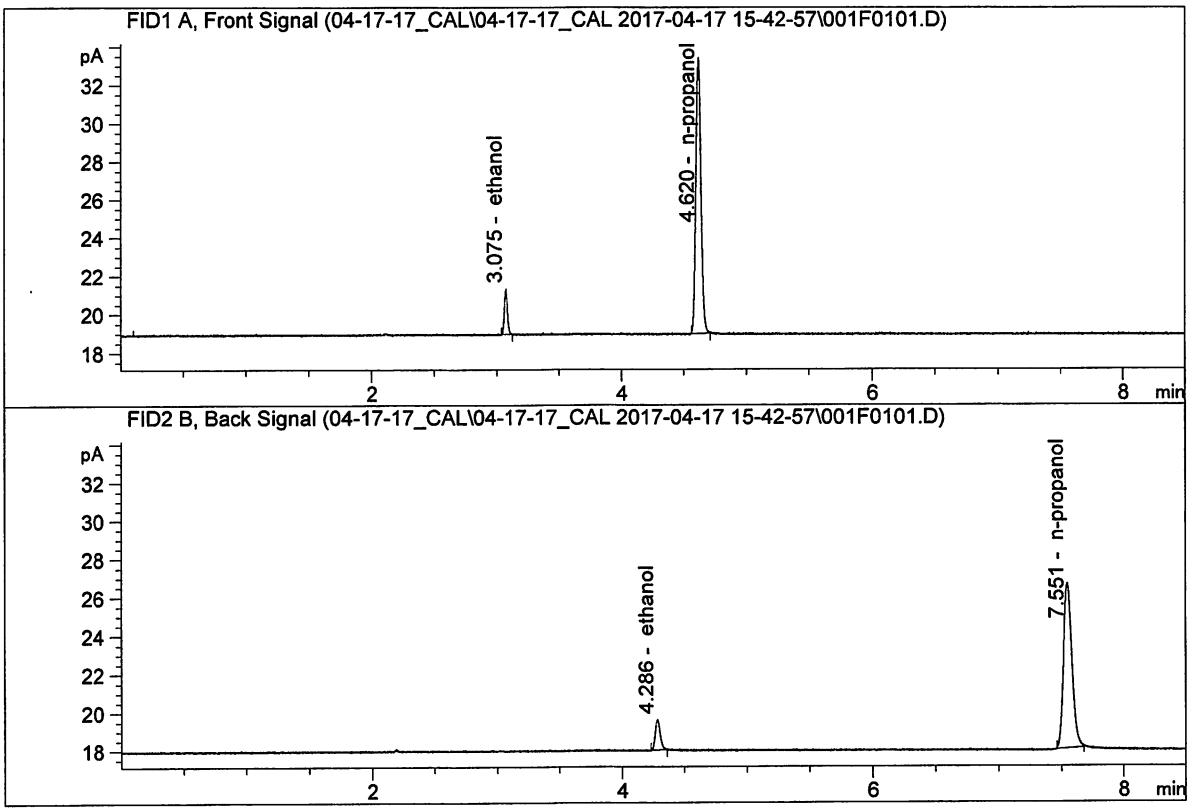
JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406
Laboratory : Meridian
Injection Date : Apr 17, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.38795	0.0502	g/100cc
2.	Ethanol	Column 2:	4.35993	0.0520	g/100cc
3.	n-Propanol	Column 1:	40.99425	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.43630	1.0000	g/100cc

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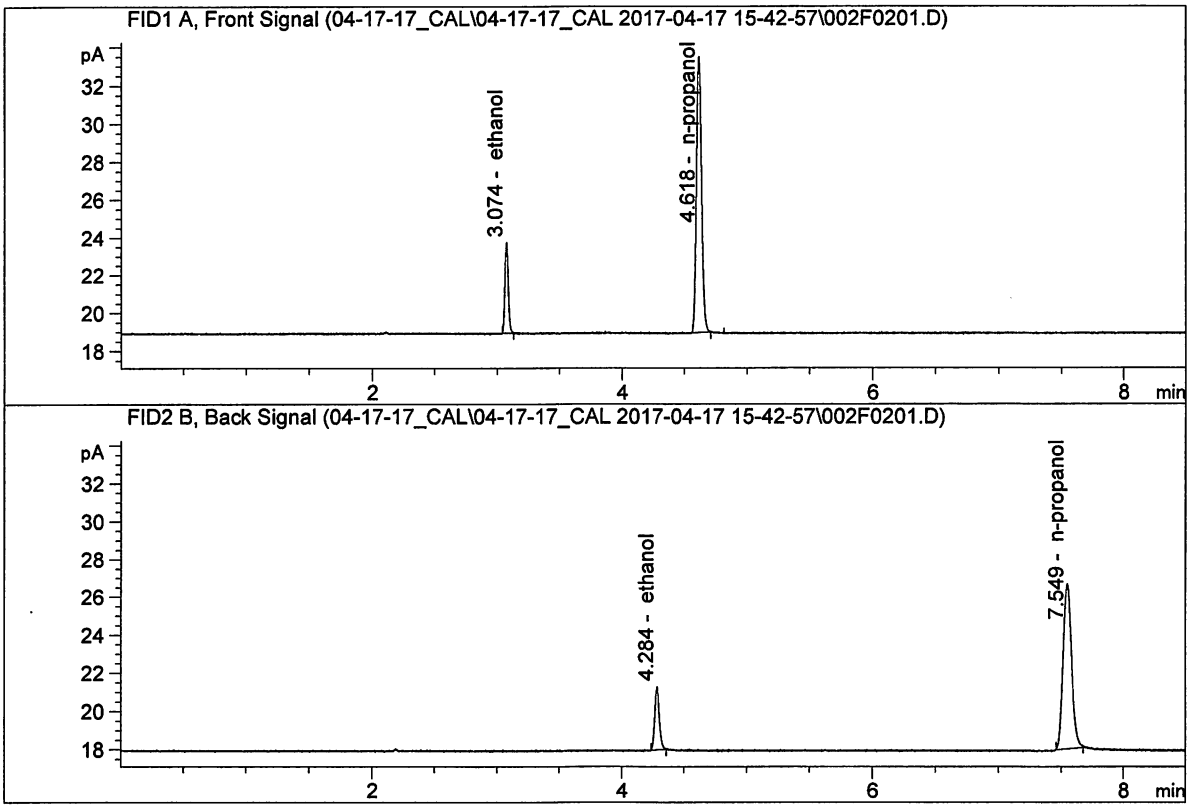
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN06181501
Laboratory : Meridian
Injection Date : Apr 17, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

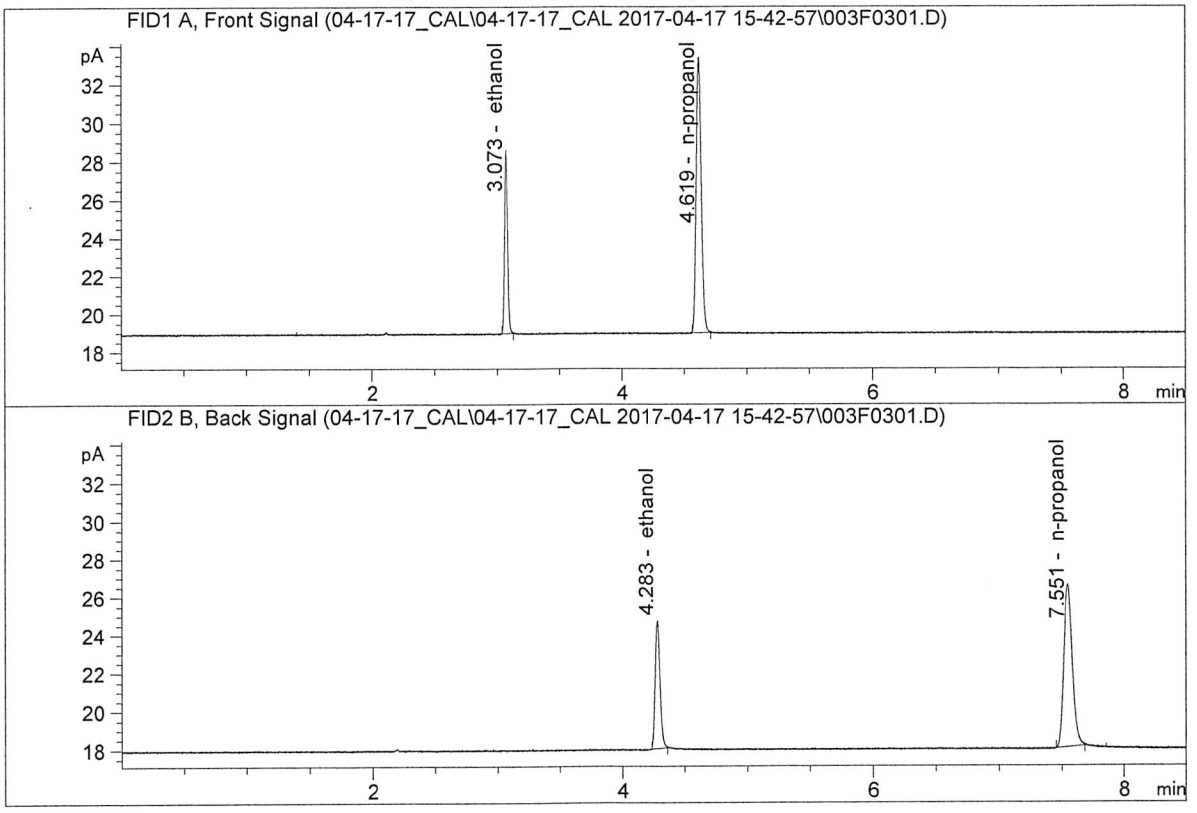


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.85453	0.0996	g/100cc
2.	Ethanol	Column 2:	8.88546	0.0996	g/100cc
3.	n-Propanol	Column 1:	41.42658	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.56315	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN07201502
Laboratory : Meridian
Injection Date : Apr 17, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

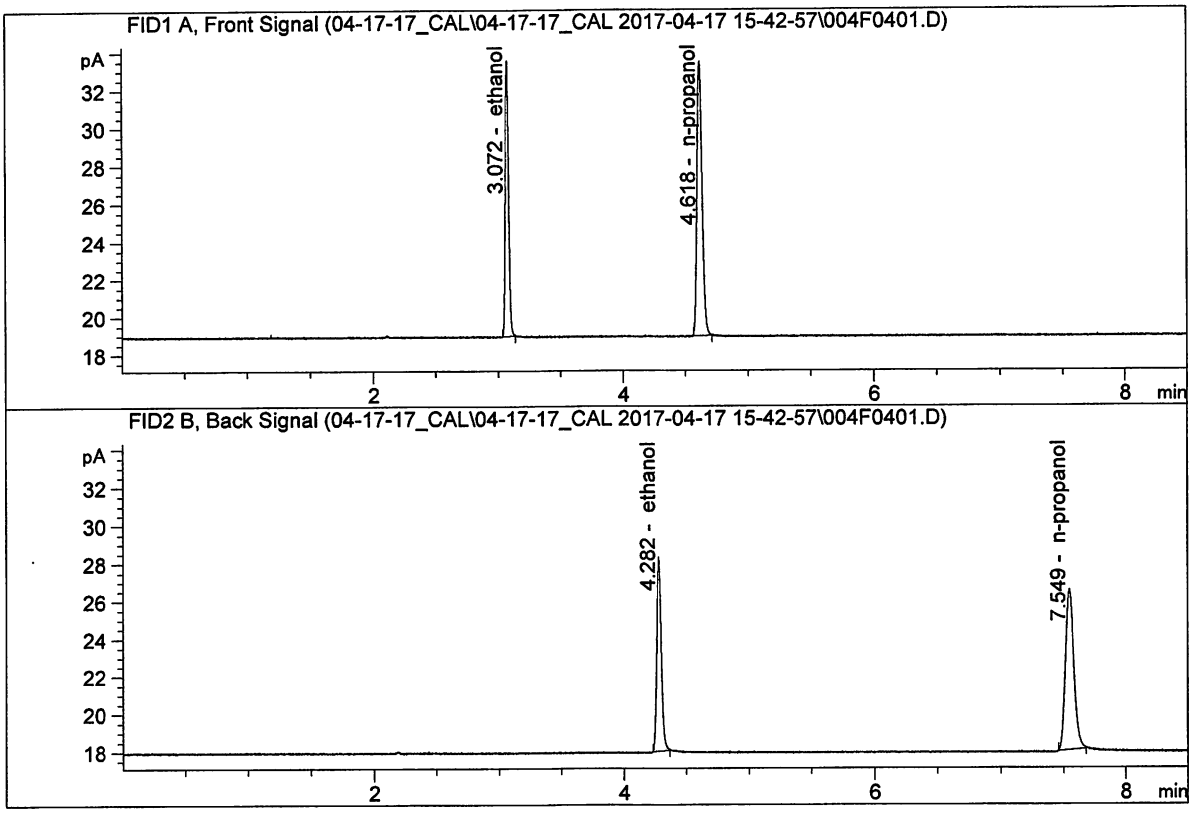


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.66217	0.1998	g/100cc
2.	Ethanol	Column 2:	17.95147	0.1972	g/100cc
3.	n-Propanol	Column 1:	41.08385	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.16446	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

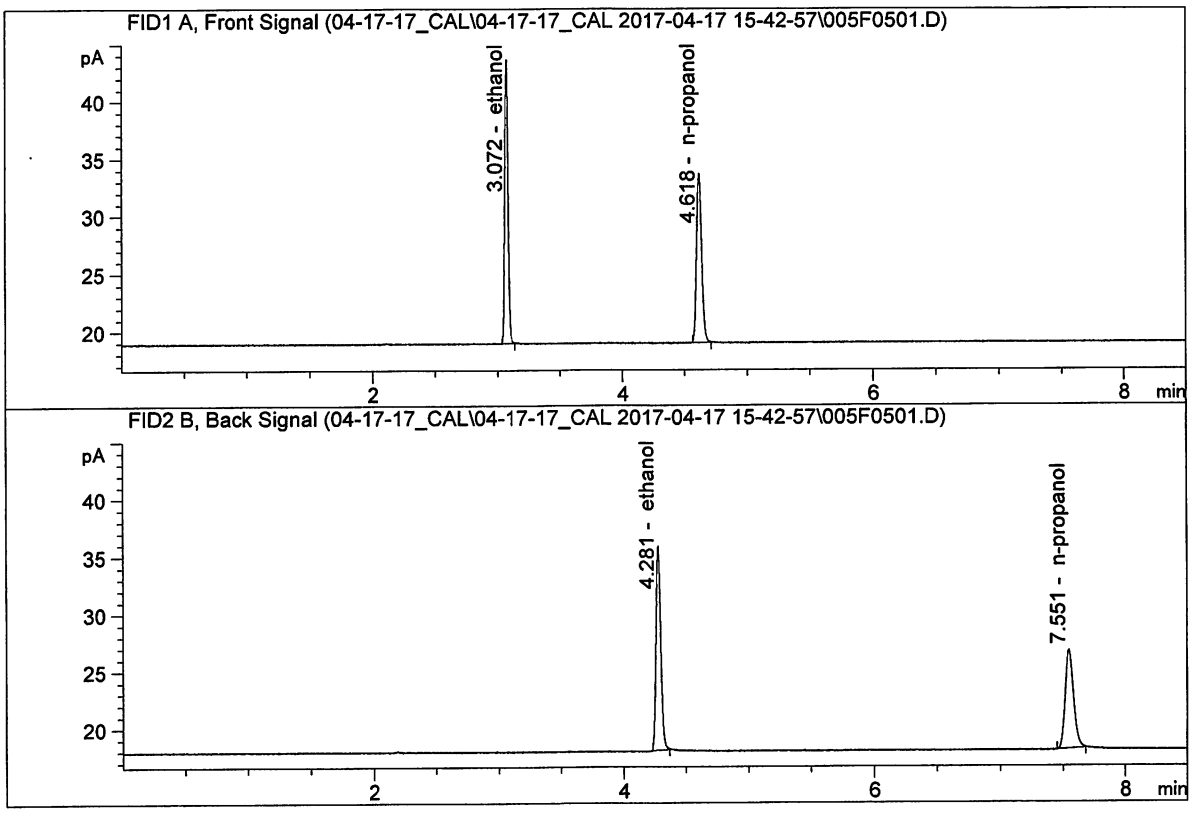
Sample Name : 0.300 FN02121601
Laboratory : Meridian
Injection Date : Apr 17, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.73319	0.3006	g/100cc
2.	Ethanol	Column 2:	27.49356	0.3005	g/100cc
3.	n-Propanol	Column 1:	41.28860	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.94734	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402
Laboratory : Meridian
Injection Date : Apr 17, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

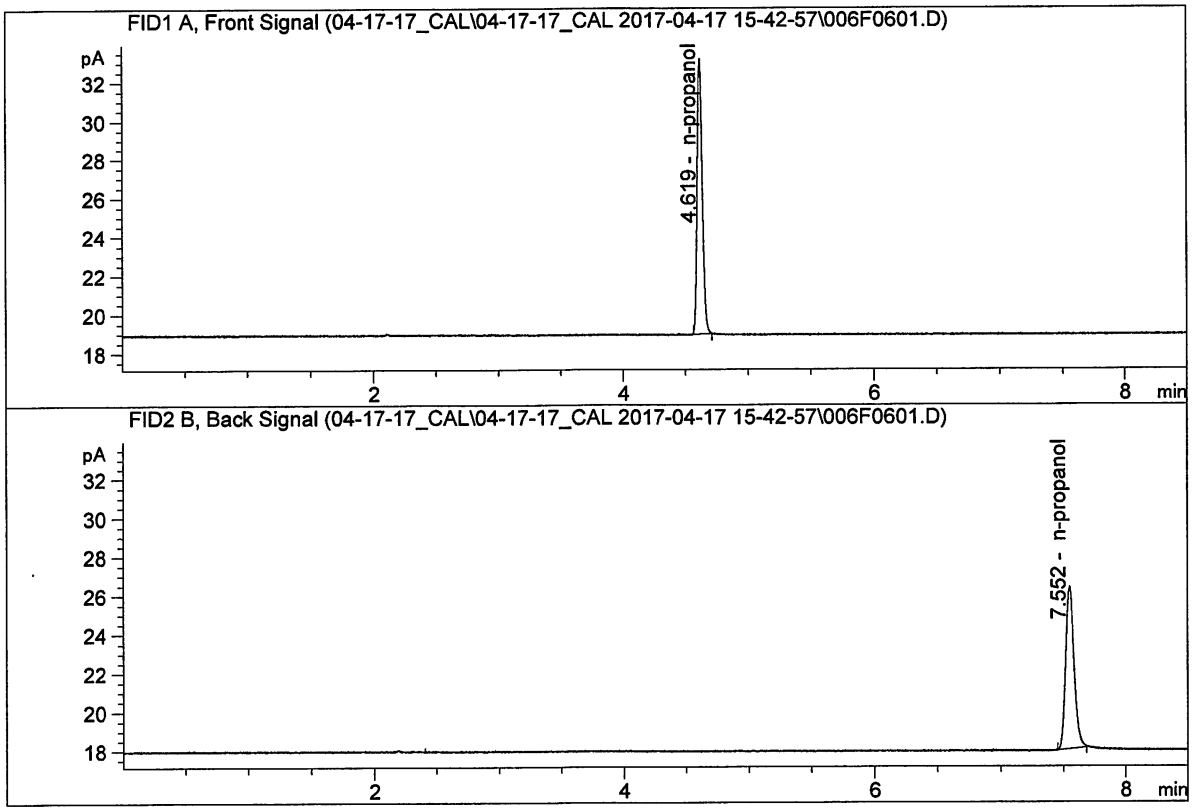


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.14249	0.4998	g/100cc
2.	Ethanol	Column 2:	46.85238	0.5007	g/100cc
3.	n-Propanol	Column 1:	41.88971	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.54546	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Apr 17, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.54010	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.44875	1.0000	g/100cc

JG