

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: 10/16/18-10/17/18

Calibration Date: 10/16/18

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0790 g/100cc
					0.0830 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2051 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		Exp date: Sept 2020	Lot #	FN06041502	OK
Curve Fit:		Column 1	1.00000	Column2	0.99998

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	0.0514	0.0012	0.0508
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Aug-21	FN08101601	0.100	0.090 - 0.110	0.0996	0.0994	0.0002	0.0995
0.200	Dec-19	FN12011401	0.200	0.180 - 0.220	0.2001	0.1992	0.0009	0.1996
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3002	0.2991	0.0011	0.2996
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Sep-21	FN08031602	0.500	0.450 - 0.550	0.4999	0.5008	0.0009	0.5003

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

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

REVIEWED

By Melissa (Nikka) Bradley at 2:28 pm, Oct 17, 2018

Ula

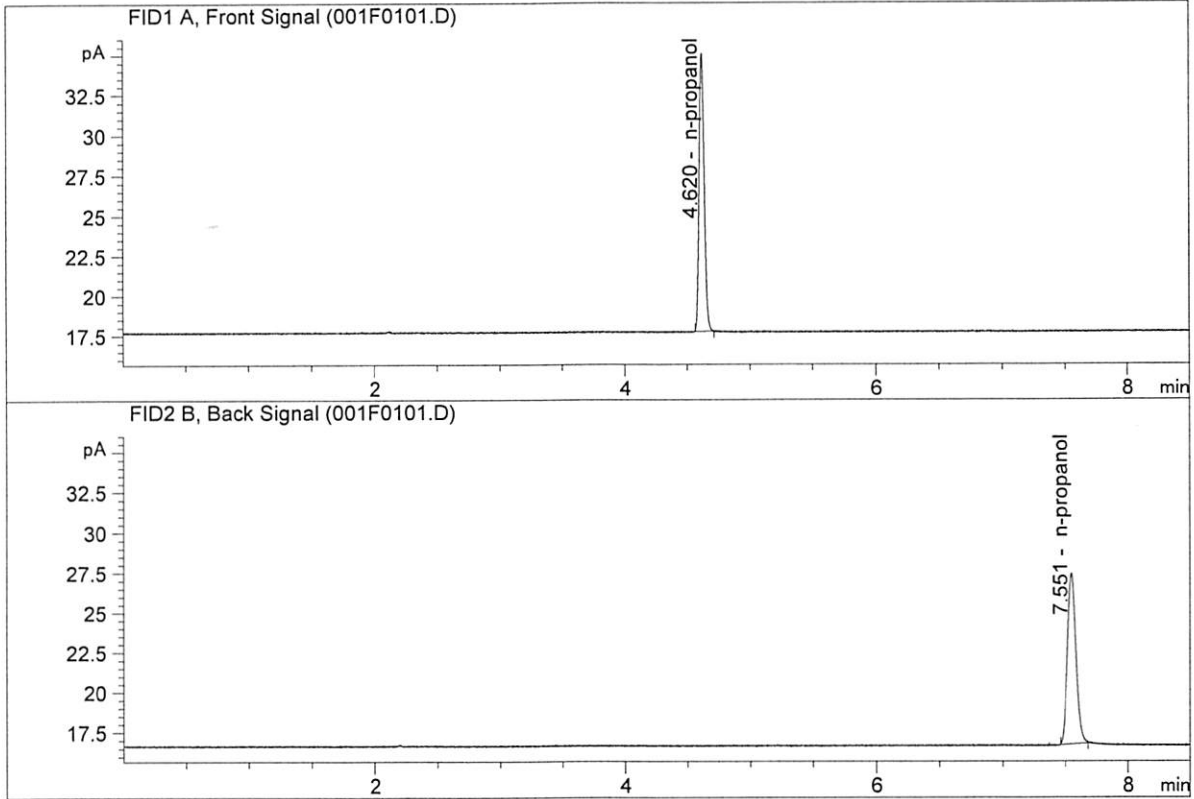
Worklist: 2740

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2018-4987	1	128205	Alcohol Analysis	
M2018-5073	1	128662	Alcohol Analysis	
M2018-5077	1	128760	Alcohol Analysis	
M2018-5085	1	128778	Alcohol Analysis	
M2018-5103	1	128880	Alcohol Analysis	
M2018-5104	1	128881	Alcohol Analysis	
M2018-5105	1	128882	Alcohol Analysis	
M2018-5106	1	128883	Alcohol Analysis	
M2018-5119	1	128902	Alcohol Analysis	
M2018-5120	1	128903	Alcohol Analysis	
M2018-5125	1	128952	Alcohol Analysis	
M2018-5129	1	128961	Alcohol Analysis	
M2018-5136	1	128991	Alcohol Analysis	
M2018-5137	1	128995	Alcohol Analysis	
M2018-5153	1	129173	Alcohol Analysis	
M2018-5156	1	129185	Alcohol Analysis	
P2018-2849	1	128224	Alcohol Analysis	
P2018-2856	1	128318	Alcohol Analysis	

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

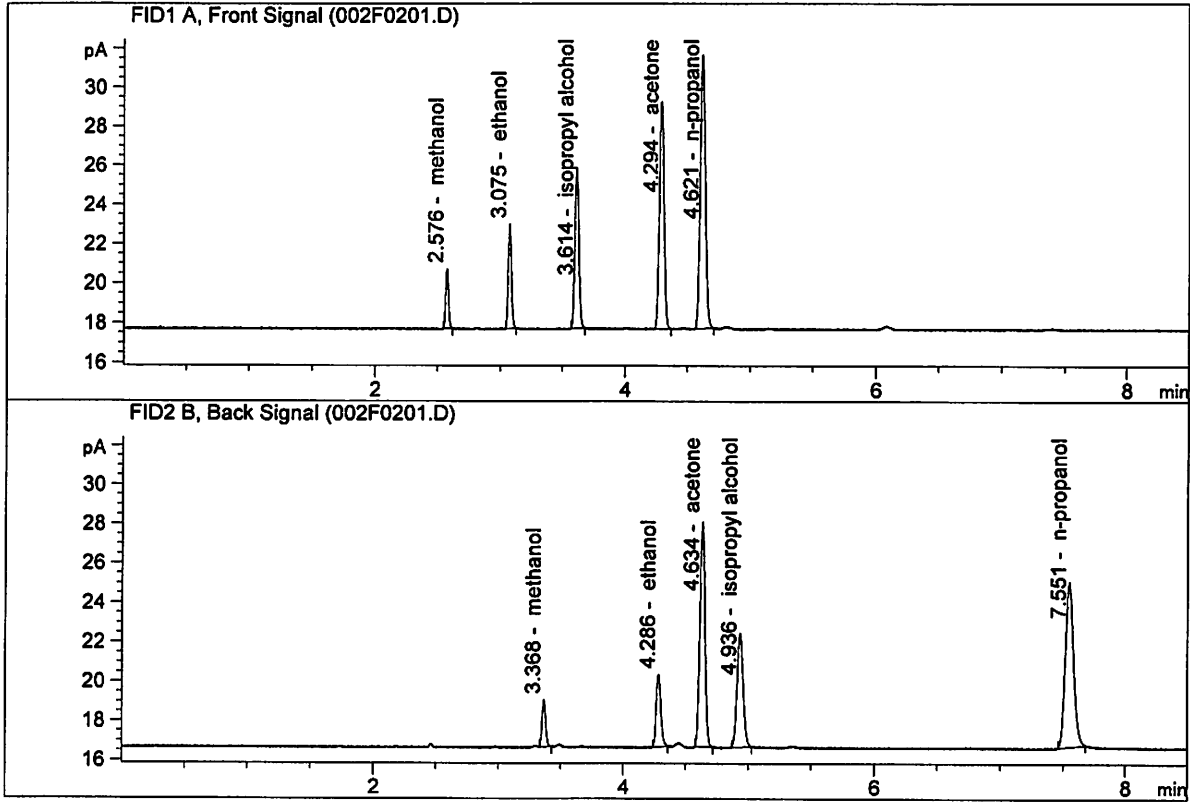


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	49.14314	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.03799	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.46366	0.1338	g/100cc
2.	Ethanol	Column 2:	9.80582	0.1351	g/100cc
3.	n-Propanol	Column 1:	39.11557	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.07619	1.0000	g/100cc

JK

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 16 Oct 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0782	0.0786	0.0004	0.0784	0.0790	
(g/100cc)	0.0791	0.0803	0.0012	0.0797		

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
0.079	0.075	0.083	0.004

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

Issued: 12/30/2016

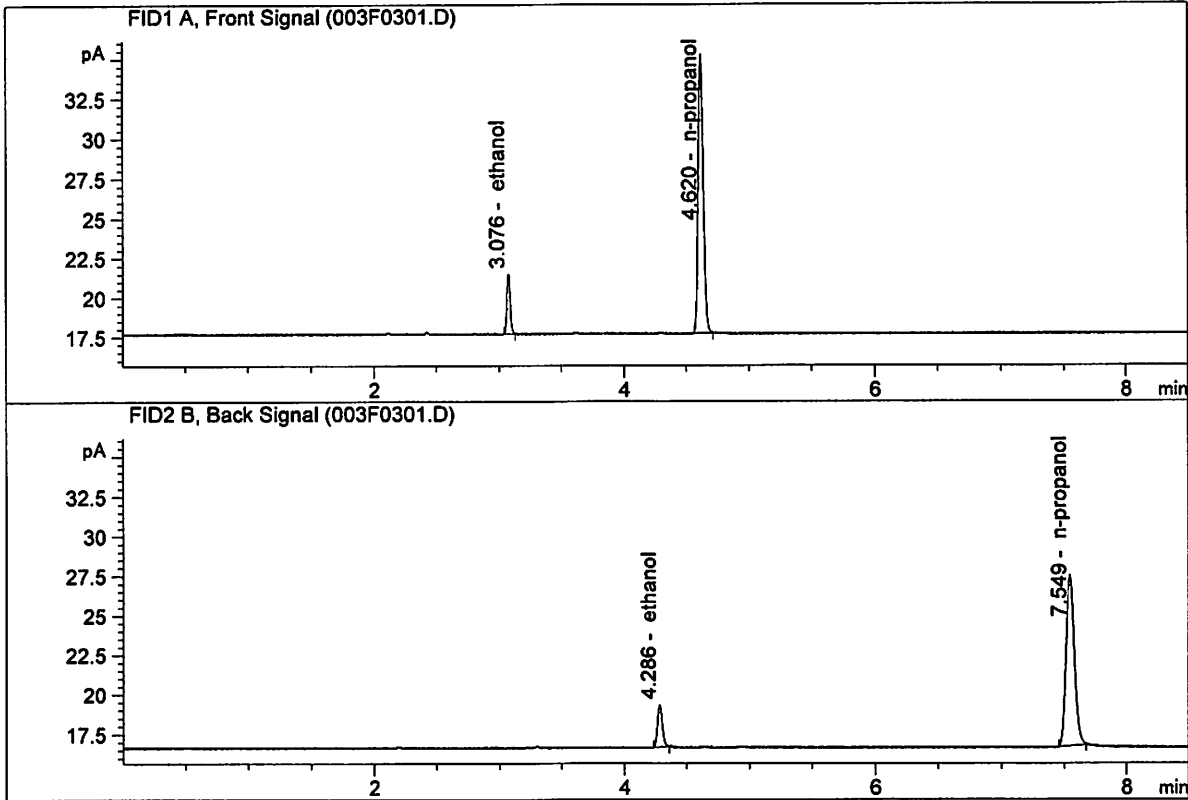
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

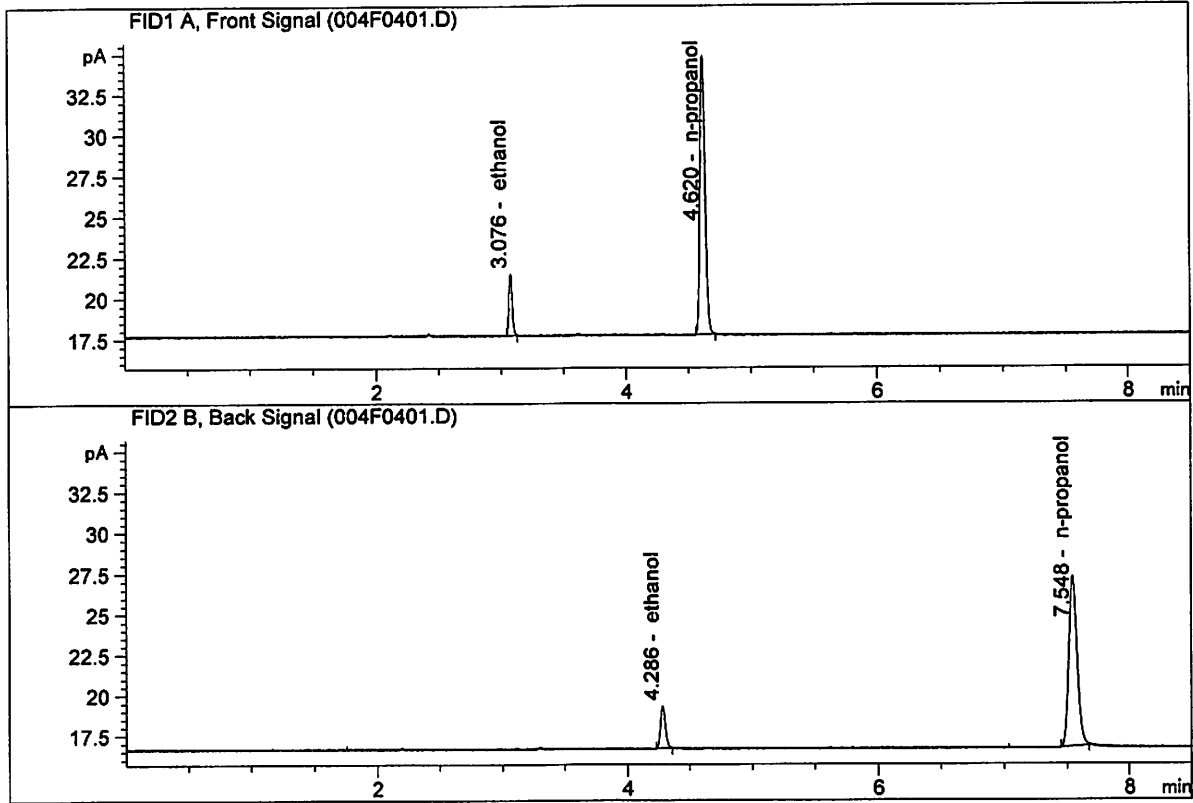
Sample Name : QC1-1-A
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.99736	0.0782	g/100cc
2.	Ethanol	Column 2:	7.08776	0.0786	g/100cc
3.	n-Propanol	Column 1:	49.72088	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.26662	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.91419	0.0791	g/100cc
2.	Ethanol	Column 2:	7.08623	0.0803	g/100cc
3.	n-Propanol	Column 1:	48.58361	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.07755	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701

Analysis Date(s): 16 Oct 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0799	0.0805	0.0006	0.0802	0.0806	
(g/100cc)	0.0807	0.0814	0.0007	0.0810		

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.

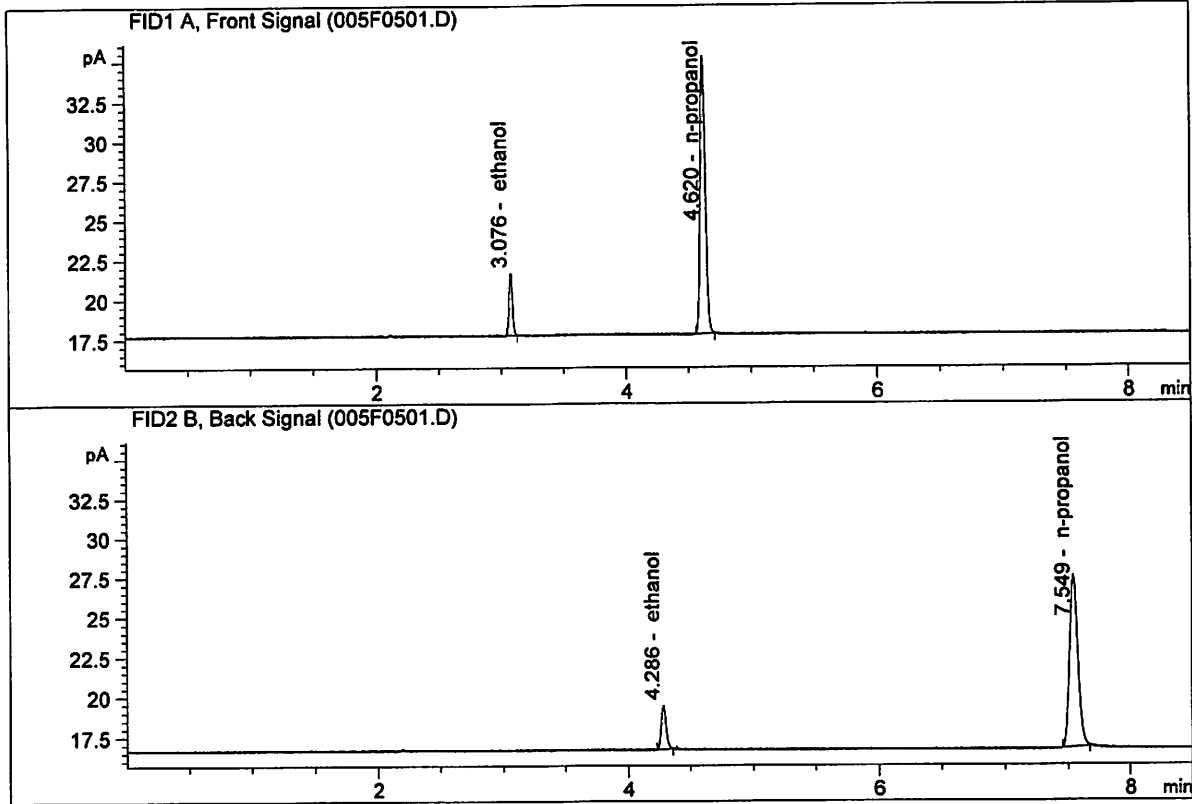
Issued: 12/30/2016

Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

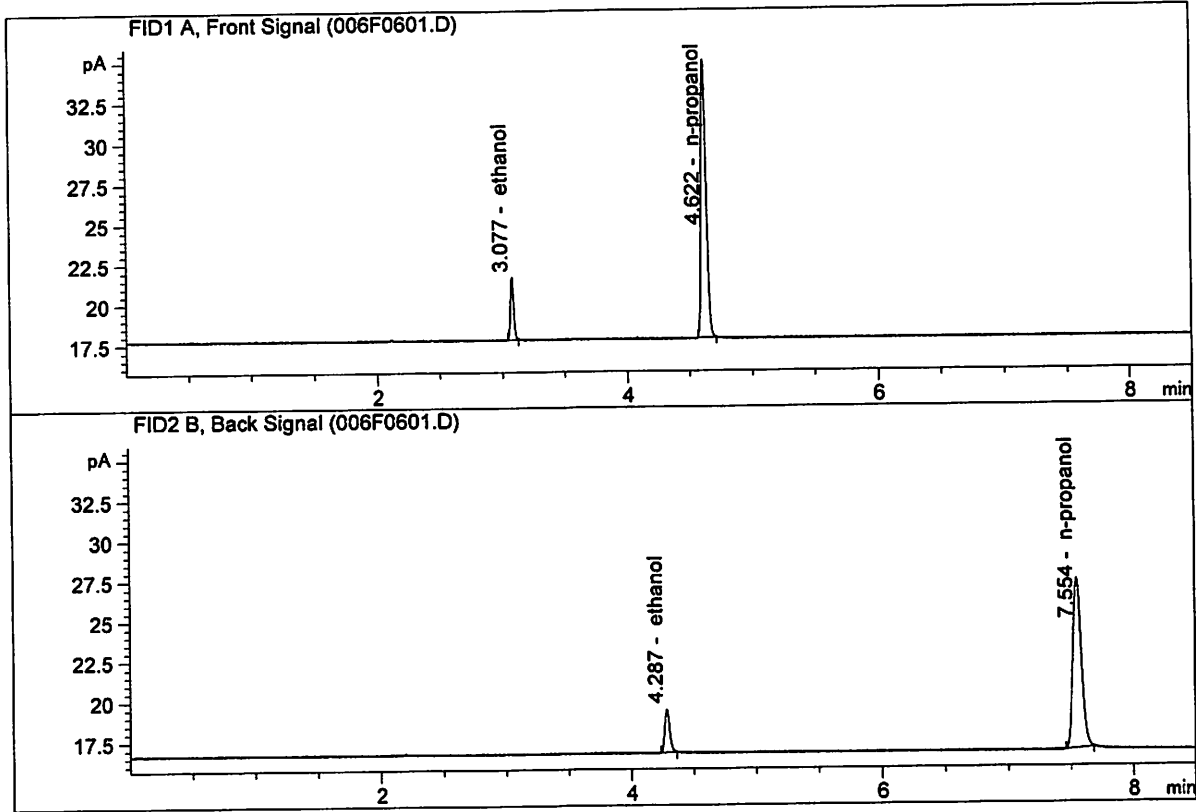
Sample Name : 0.08 FN04171701-A
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.13232	0.0799	g/100cc
2.	Ethanol	Column 2:	7.24741	0.0805	g/100cc
3.	n-Propanol	Column 1:	49.60973	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.08759	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.08954	0.0807	g/100cc
2.	Ethanol	Column 2:	7.23851	0.0814	g/100cc
3.	n-Propanol	Column 1:	48.84216	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.40220	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 16 Oct 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2048	0.2042	0.0006	0.2045	0.2051	
(g/100cc)	0.2057	0.2060	0.0003	0.2058		

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
0.205	0.194	0.216	0.011

	Reported Result	
	0.205	

Calibration and control data are stored centrally.

Issued: 12/30/2016

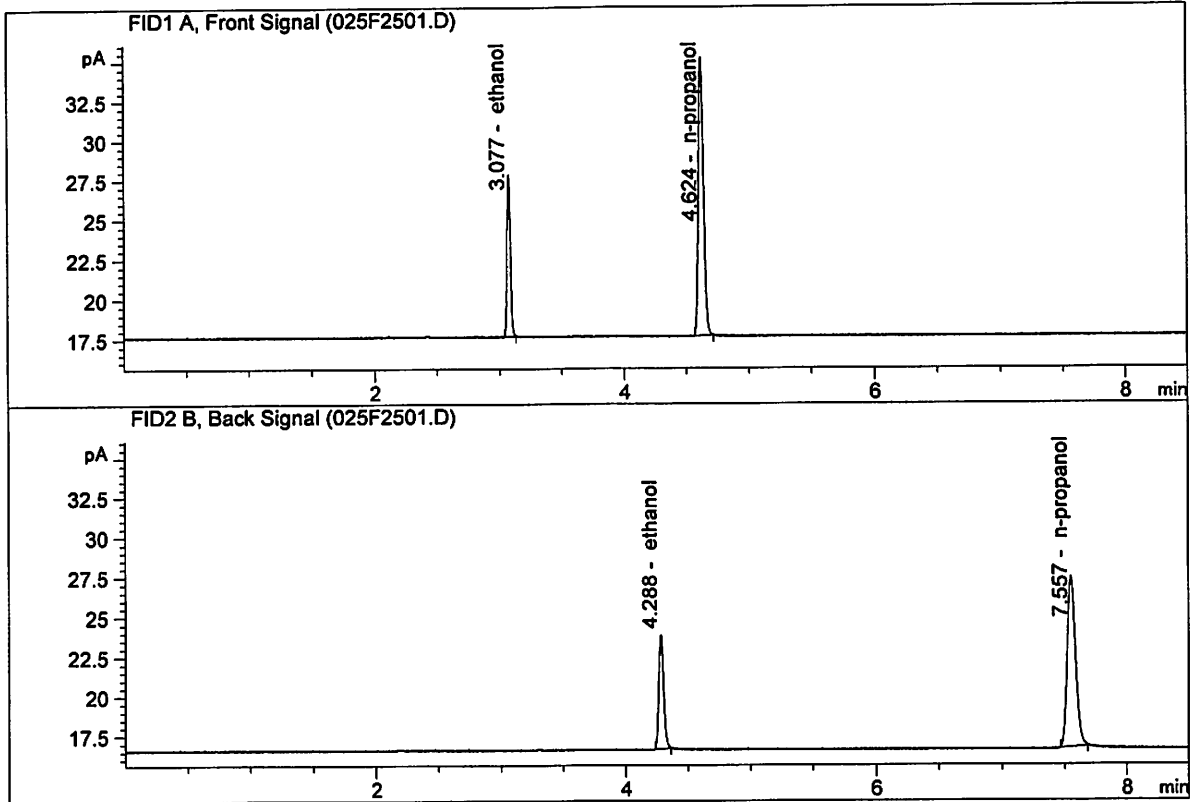
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

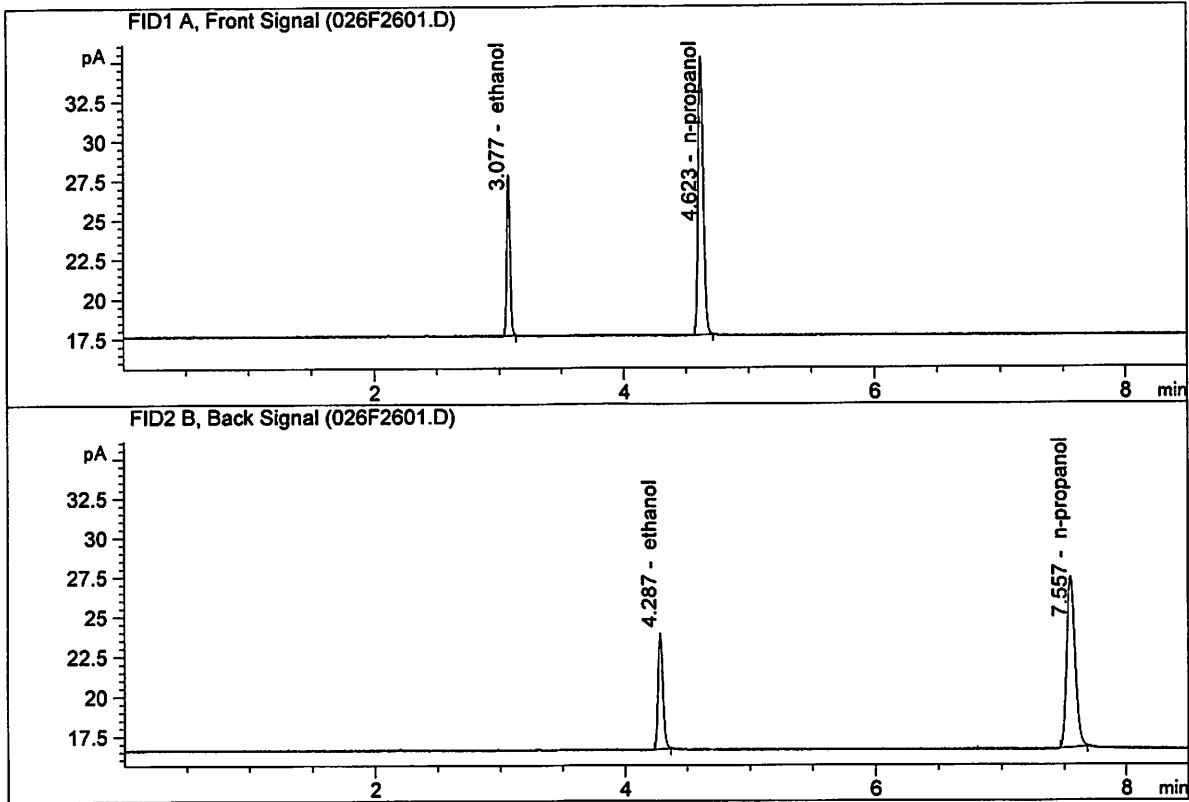
Sample Name : QC2-1-A
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.48455	0.2048	g/100cc
2.	Ethanol	Column 2:	19.15812	0.2042	g/100cc
3.	n-Propanol	Column 1:	49.80017	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.10835	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014 - CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.57889	0.2057	g/100cc
2.	Ethanol	Column 2:	19.32837	0.2060	g/100cc
3.	n-Propanol	Column 1:	49.84433	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.10541	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 17 Oct 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0832	0.0850	0.0018	0.0841	0.0830	
(g/100cc)	0.0818	0.0823	0.0005	0.0820		

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
0.083	0.078	0.088	0.005

	Reported Result 0.083	
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Calibration and control data are stored centrally.

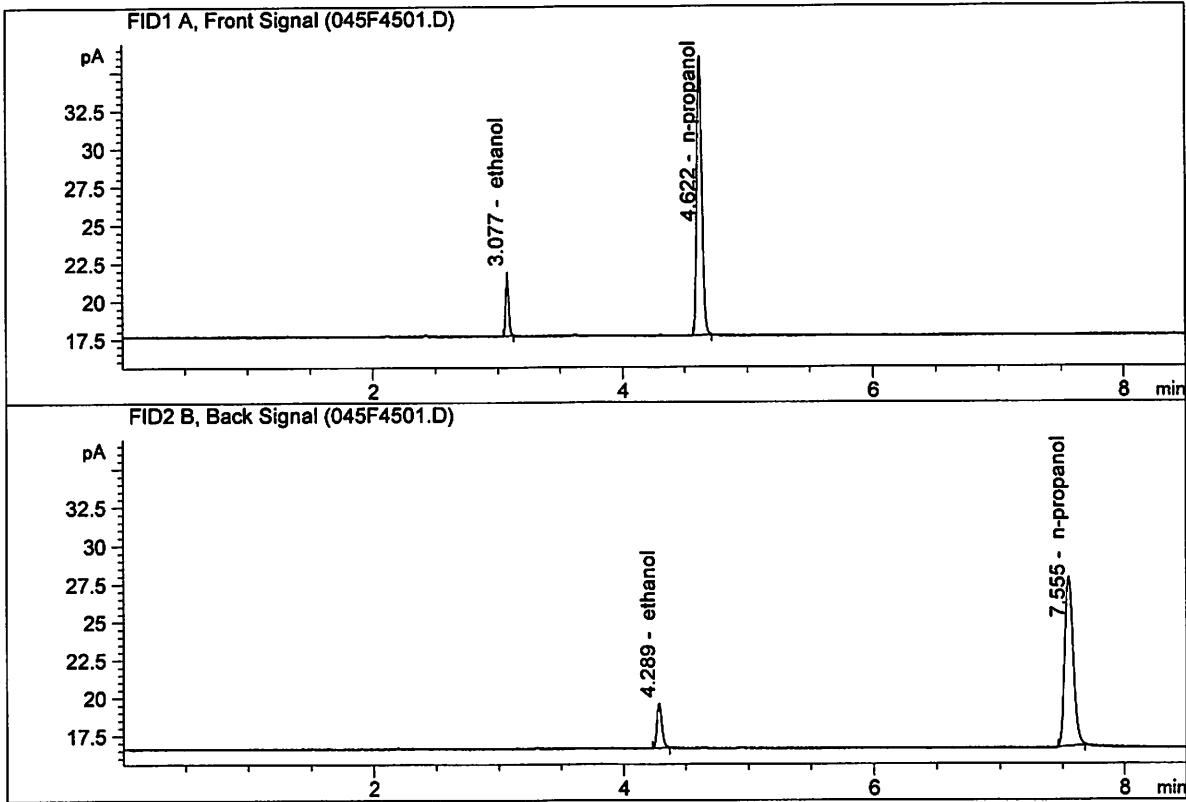
Issued: 12/30/2016

Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

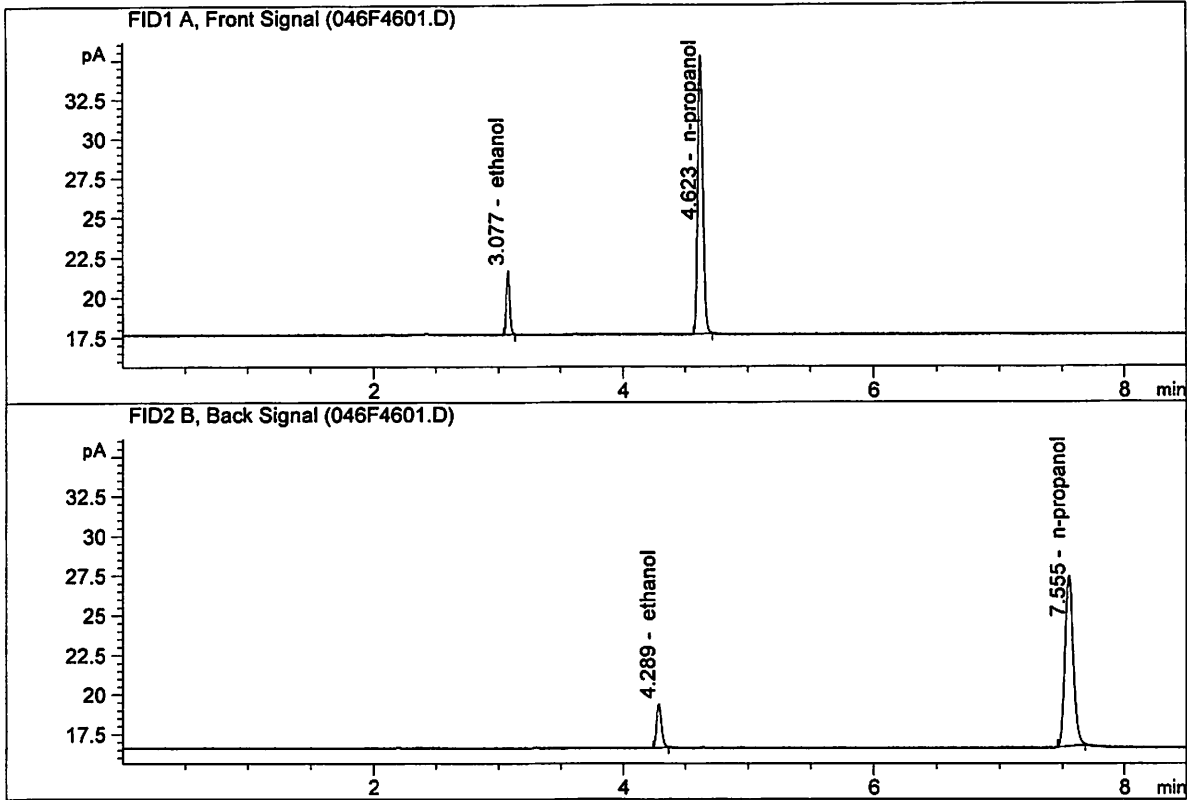
Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : Oct 17, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.76059	0.0832	g/100cc
2.	Ethanol	Column 2:	7.96565	0.0850	g/100cc
3.	n-Propanol	Column 1:	51.81123	1.0000	g/100cc
4.	n-Propanol	Column 2:	52.99613	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

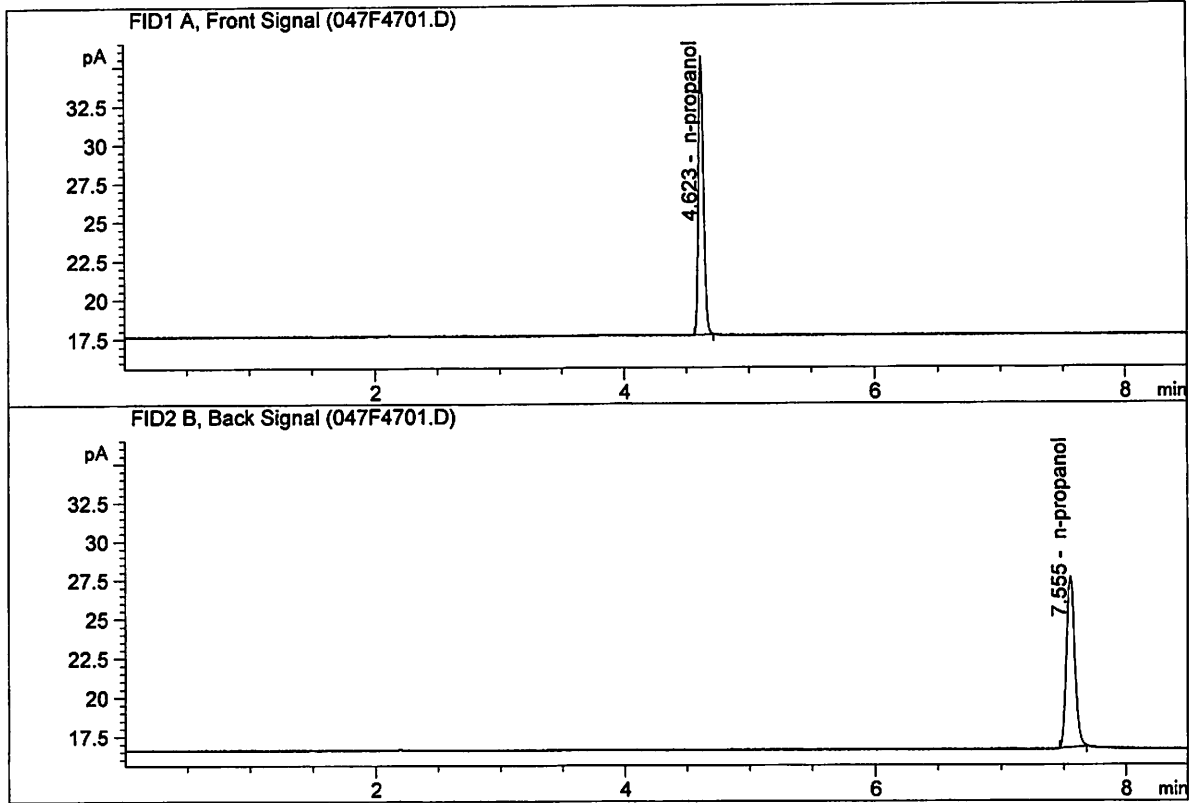
Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : Oct 17, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.32885	0.0818	g/100cc
2.	Ethanol	Column 2:	7.41614	0.0823	g/100cc
3.	n-Propanol	Column 1:	49.76646	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.05155	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Oct 17, 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:	50.70811	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.95227	1.0000	g/100cc

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

Sequence table: C:\Chem32\1\Data\10-16-18_SAMPLES\10-16-18_SAMPLES 2018-10-16 18-03-59\10-16-18_SAMPLES.S
 Data directory path: C:\Chem32\1\Data\10-16-18_SAMPLES\10-16-18_SAMPLES 2018-10-16 18-03-59\
 Logbook: C:\Chem32\1\Data\10-16-18_SAMPLES\10-16-18_SAMPLES 2018-10-16 18-03-59\10-16-18_SAMPLES.LOG
 Sequence start: 10/16/2018 6:18:45 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\10-16-18_SAMPLES\10-16-18_SAMPLES 2018-10-16 18-03-59\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	M2018-4987-1-A	-	1.0000	007F0701.D		4
8	8	1	M2018-4987-1-B	-	1.0000	008F0801.D		4
9	9	1	M2018-5073-1-A	-	1.0000	009F0901.D		4
10	10	1	M2018-5073-1-B	-	1.0000	010F1001.D		4
11	11	1	M2018-5077-1-A	-	1.0000	011F1101.D		4
12	12	1	M2018-5077-1-B	-	1.0000	012F1201.D		4
13	13	1	M2018-5085-1-A	-	1.0000	013F1301.D		4
14	14	1	M2018-5085-1-B	-	1.0000	014F1401.D		4
15	15	1	M2018-5103-1-A	-	1.0000	015F1501.D		4
16	16	1	M2018-5103-1-B	-	1.0000	016F1601.D		4
17	17	1	M2018-5104-1-A	-	1.0000	017F1701.D		4
18	18	1	M2018-5104-1-B	-	1.0000	018F1801.D		4
19	19	1	M2018-5105-1-A	-	1.0000	019F1901.D		4
20	20	1	M2018-5105-1-B	-	1.0000	020F2001.D		4
21	21	1	M2018-5106-1-A	-	1.0000	021F2101.D		4
22	22	1	M2018-5106-1-B	-	1.0000	022F2201.D		4
23	23	1	M2018-5119-1-A	S119	1.0000	023F2301.D		4
24	24	1	M2018-5119-1-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	M2018-5120-1-A	-	1.0000	027F2701.D		4
28	28	1	M2018-5120-1-B	-	1.0000	028F2801.D		4
29	29	1	M2018-5125-1-A	-	1.0000	029F2901.D		4
30	30	1	M2018-5125-1-B	-	1.0000	030F3001.D		4
31	31	1	M2018-5129-1-A	-	1.0000	031F3101.D		6
32	32	1	M2018-5129-1-B	-	1.0000	032F3201.D		6
33	33	1	M2018-5136-1-A	-	1.0000	033F3301.D		4
34	34	1	M2018-5136-1-B	-	1.0000	034F3401.D		4
35	35	1	M2018-5137-1-A	-	1.0000	035F3501.D		2
36	36	1	M2018-5137-1-B	-	1.0000	036F3601.D		2
37	37	1	M2018-5153-1-A	-	1.0000	037F3701.D		4
38	38	1	M2018-5153-1-B	-	1.0000	038F3801.D		4
39	39	1	M2018-5156-1-A	-	1.0000	039F3901.D		2
40	40	1	M2018-5156-1-B	-	1.0000	040F4001.D		2
41	41	1	P2018-2849-1-A	-	1.0000	041F4101.D		4
42	42	1	P2018-2849-1-B	-	1.0000	042F4201.D		4
43	43	1	P2018-2856-1-A	-	1.0000	043F4301.D		4

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Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #
44	44	1	P2018-2856-1-B	-	1.0000	044F4401.D	4
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\10-16-18_SAMPLES\10-16-18_SAMPLES 2018-10-16 18-03-59
 \SHUTDOWN.M

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

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Calibration Table
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General Calibration Setting

Calib. Data Modified : Tuesday, October 16, 2018 5:30:18 PM
Signals calculated separately : No

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

Curve Type : Linear
Origin : Ignored
Weight : Equal

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

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

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

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

Signal Details

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

Overview Table

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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	4.43851	1.12650e-2	No	No 1	ethanol
		2	1.00000e-1	8.94911	1.11743e-2			
		3	2.00000e-1	17.85105	1.12038e-2			
		4	3.00000e-1	27.28774	1.09939e-2			
		5	5.00000e-1	45.86051	1.09026e-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	4.49525	1.11229e-2	No	No 2	ethanol
		2	1.00000e-1	9.21686	1.08497e-2			
		3	2.00000e-1	18.63795	1.07308e-2			
		4	3.00000e-1	28.66187	1.04669e-2			
		5	5.00000e-1	48.71193	1.02644e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	49.47949	2.02104e-2	No	Yes 1	n-propanol
		2	1.00000	49.84093	2.00638e-2			
		3	1.00000	49.22251	2.03159e-2			
		4	1.00000	50.07795	1.99689e-2			
		5	1.00000	50.47788	1.98107e-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	51.55437	1.93970e-2	No	Yes 2	n-propanol
		2	1.00000	51.92276	1.92594e-2			
		3	1.00000	51.00378	1.96064e-2			
		4	1.00000	51.78703	1.93099e-2			
		5	1.00000	52.19726	1.91581e-2			

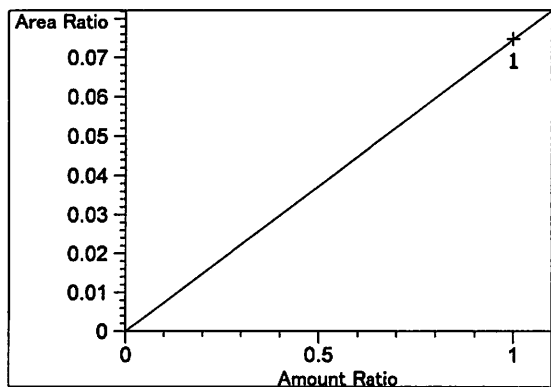
Peak Sum Table

No Entries in table

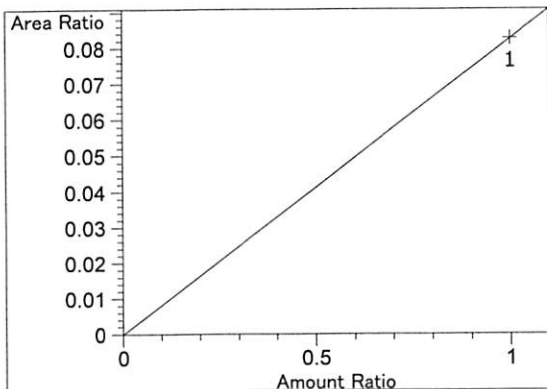
1 Warnings or Errors :

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

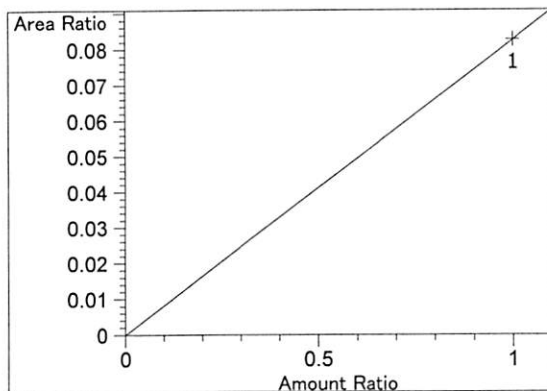
Calibration Curves



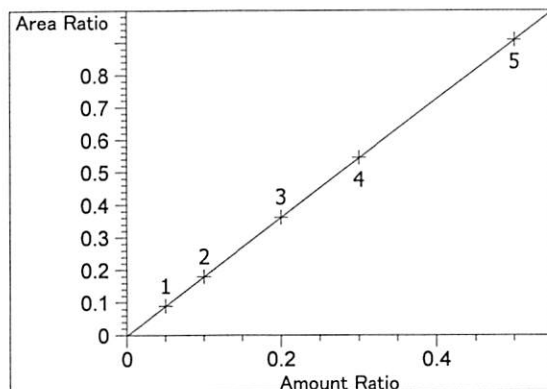
methanol at exp. RT: 2.586
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 7.47117e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



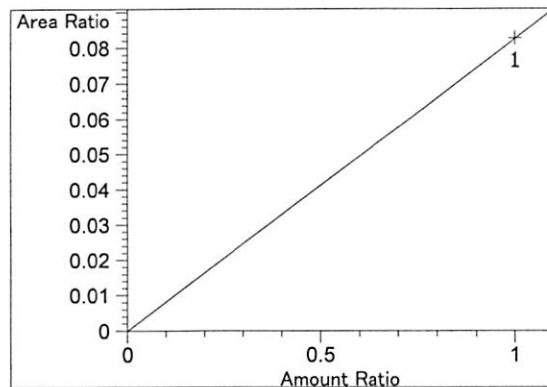
Acetaldehyde at exp. RT: 2.809
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.26506e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



Acetaldehyde at exp. RT: 2.977
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.26506e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

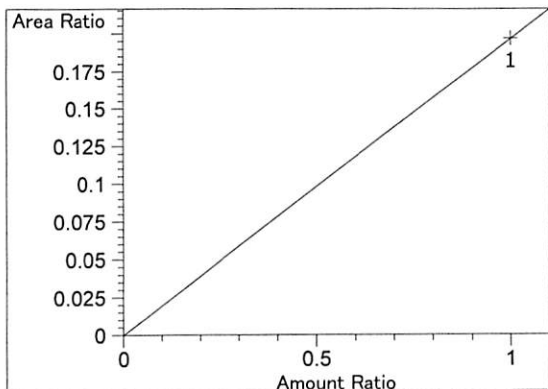


ethanol at exp. RT: 3.075
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00058
 Formula: $y = mx + b$
 m: 1.82092
 b: -1.74050e-3
 x: Amount Ratio
 y: Area Ratio

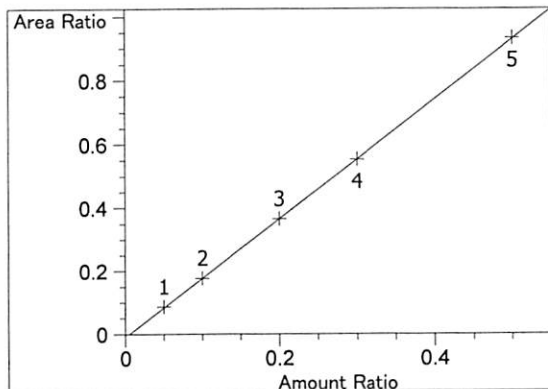


methanol at exp. RT: 3.388
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.26433e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

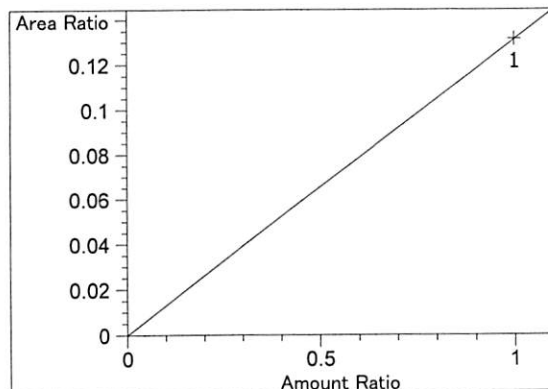
JG



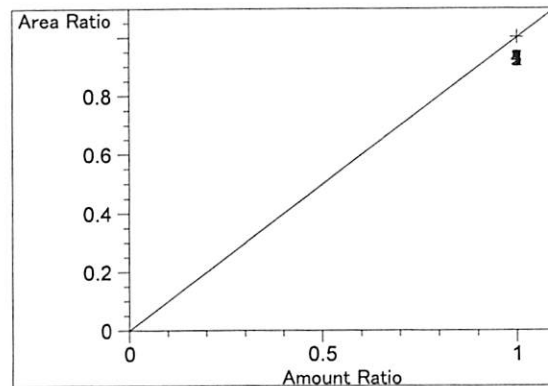
isopropyl alcohol at exp. RT: 3.628
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.96658e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



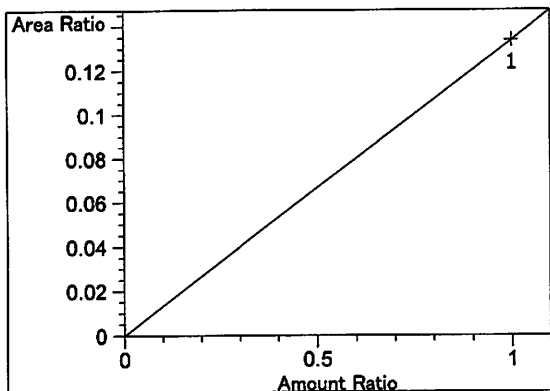
ethanol at exp. RT: 4.285
 FID2 B, Back Signal
 Correlation: 0.99998
 Residual Std. Dev.: 0.00231
 Formula: $y = mx + b$
 m: 1.88265
 b: -9.64732e-3
 x: Amount Ratio
 y: Area Ratio



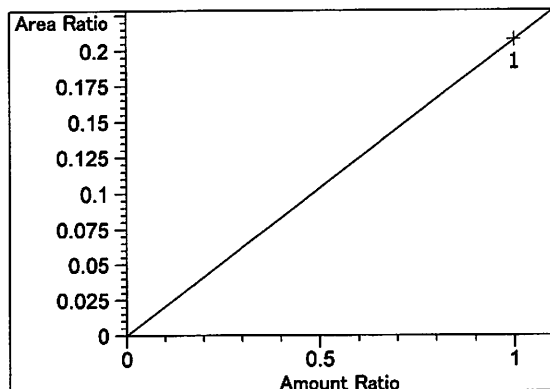
acetone at exp. RT: 4.308
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.31355e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



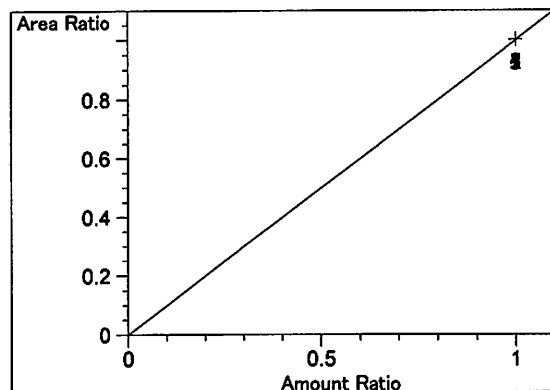
n-propanol at exp. RT: 4.620
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.00000
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.33704e-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: 2.07672e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

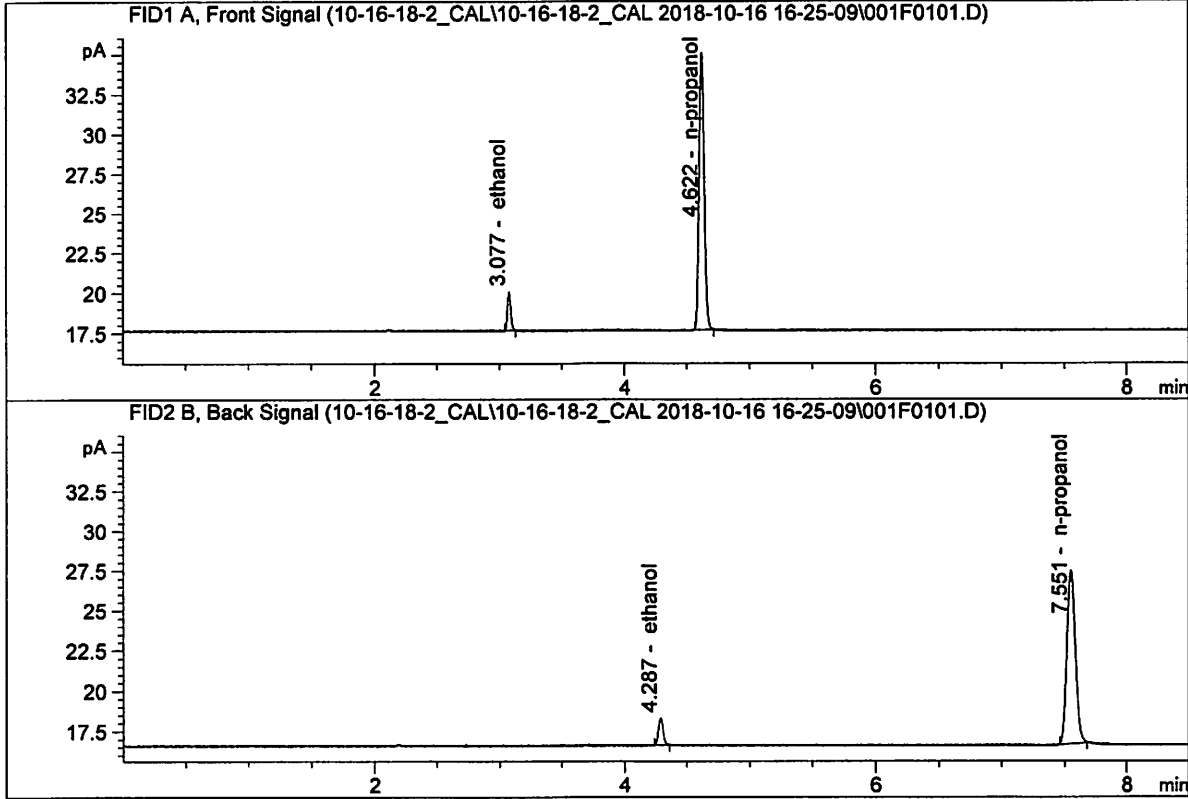


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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ISP Forensic Services Blood Alcohol Report

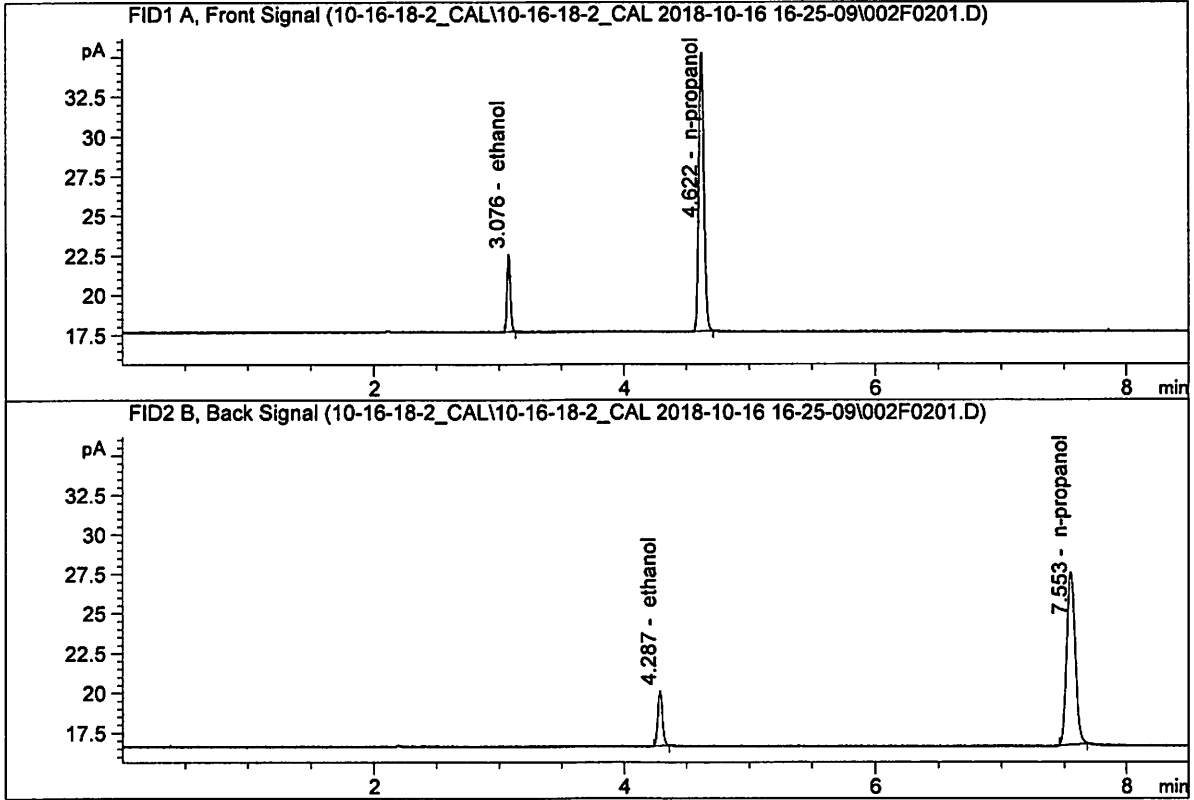
Sample Name : 0.050 FN06231406
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.43851	0.0502	g/100cc
2.	Ethanol	Column 2:	4.49525	0.0514	g/100cc
3.	n-Propanol	Column 1:	49.47949	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.55437	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

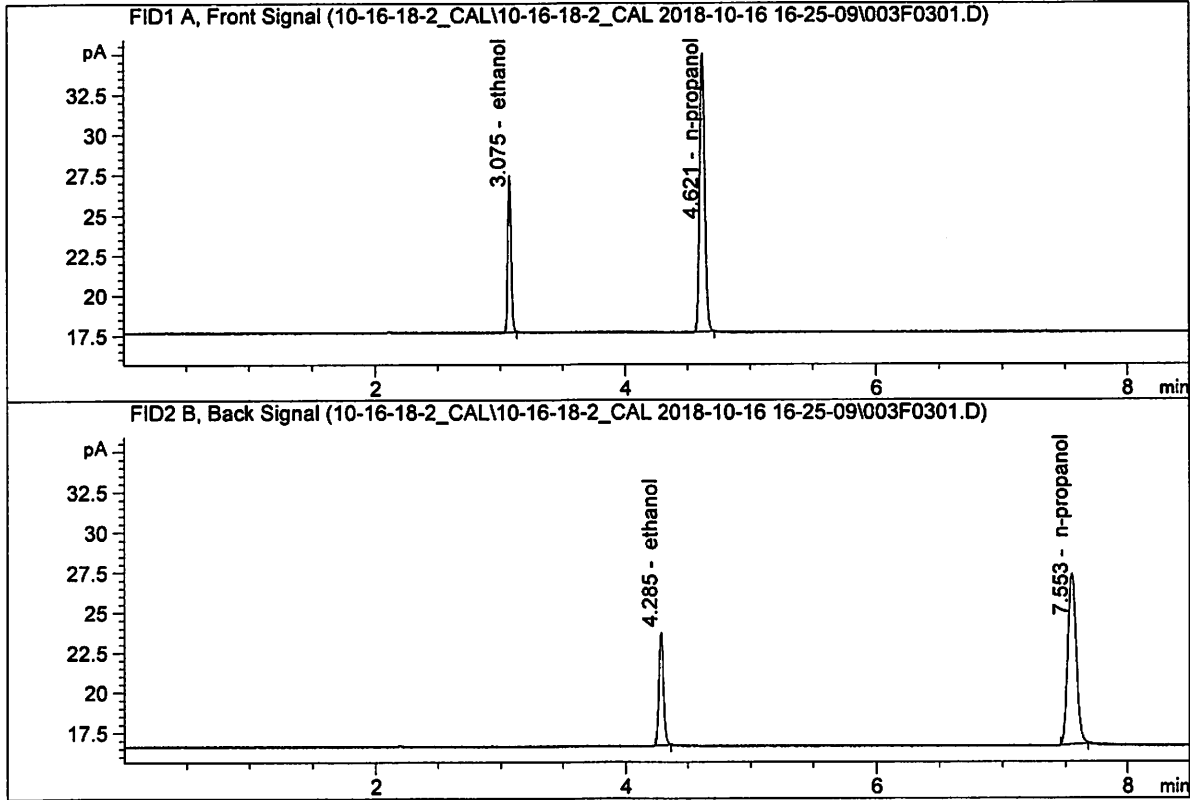
Sample Name : 0.100 FN08101601
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.94911	0.0996	g/100cc
2.	Ethanol	Column 2:	9.21686	0.0994	g/100cc
3.	n-Propanol	Column 1:	49.84093	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.92276	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

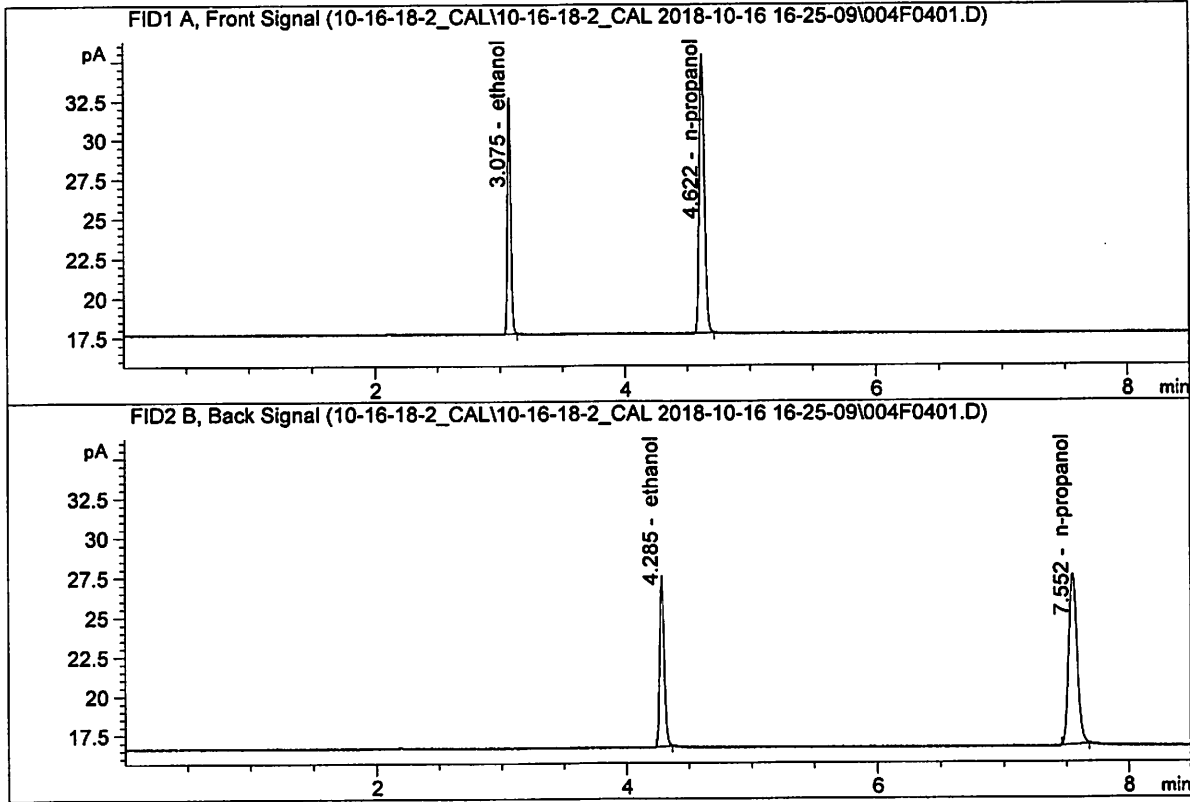
Sample Name : 0.200 FN12011401
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.85105	0.2001	g/100cc
2.	Ethanol	Column 2:	18.63795	0.1992	g/100cc
3.	n-Propanol	Column 1:	49.22251	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.00378	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

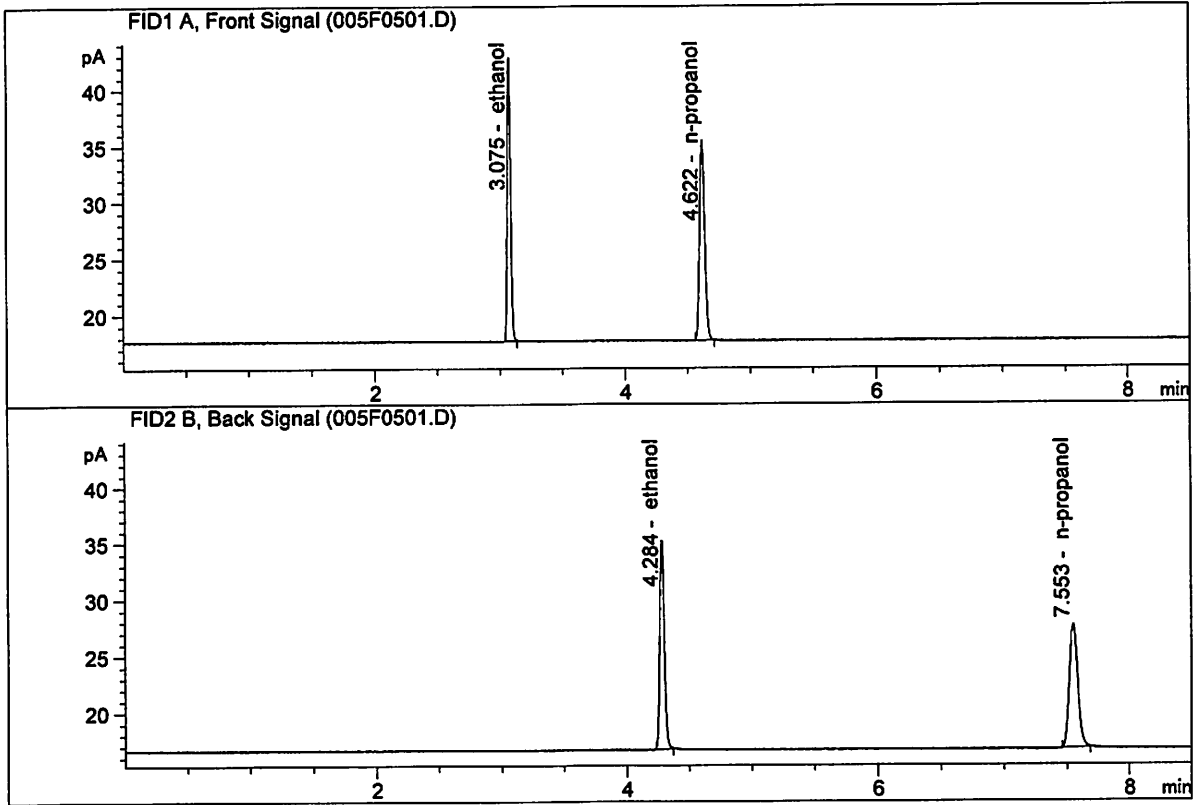
Sample Name : 0.300 FN02121601
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.28774	0.3002	g/100cc
2.	Ethanol	Column 2:	28.66187	0.2991	g/100cc
3.	n-Propanol	Column 1:	50.07795	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.78703	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

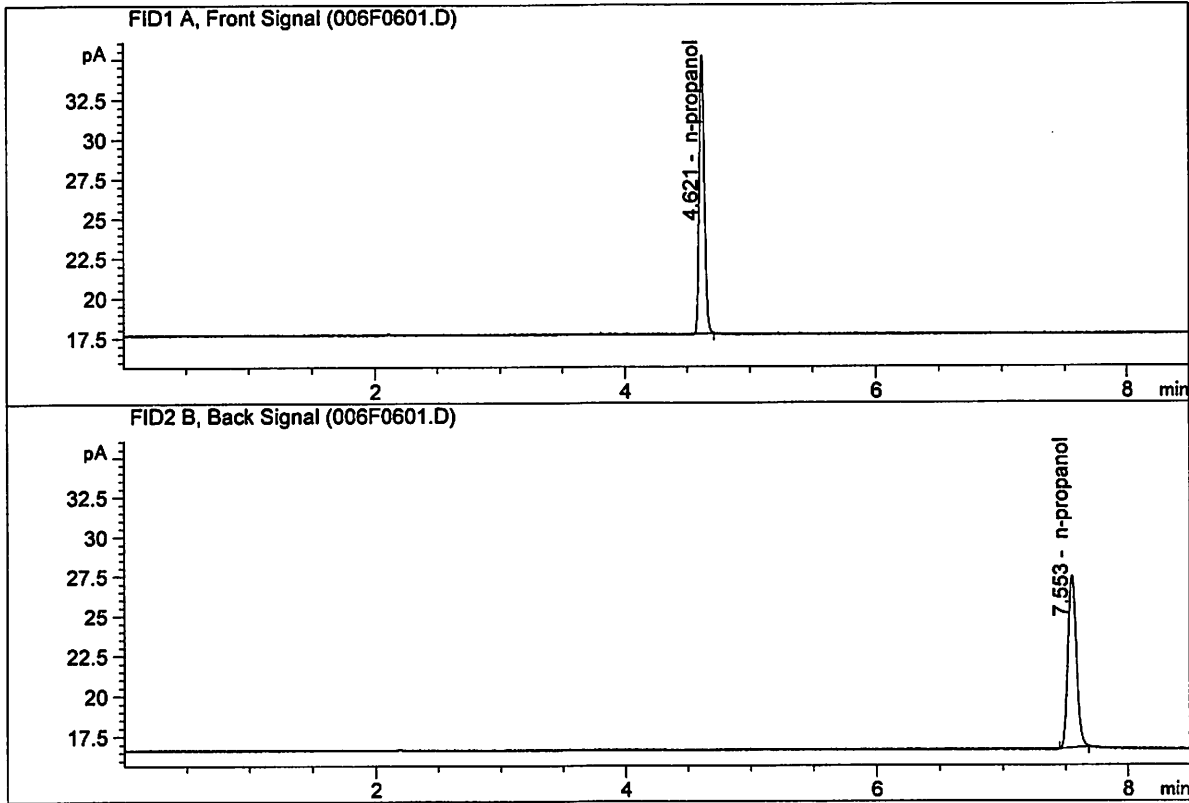
Sample Name : 0.500 FN08031602
 Laboratory : Meridian
 Injection Date : Oct 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.86051	0.4999	g/100cc
2.	Ethanol	Column 2:	48.71193	0.5008	g/100cc
3.	n-Propanol	Column 1:	50.47788	1.0000	g/100cc
4.	n-Propanol	Column 2:	52.19726	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : Oct 16, 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:	49.51233	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.43835	1.0000	g/100cc

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

Sequence table: C:\Chem32\1\Data\10-16-18-2_CAL\10-16-18-2_CAL 2018-10-16 16-25-09\10-16-18-2_CAL.S
 Data directory path: C:\Chem32\1\Data\10-16-18-2_CAL\10-16-18-2_CAL 2018-10-16 16-25-09\
 Logbook: C:\Chem32\1\Data\10-16-18-2_CAL\10-16-18-2_CAL 2018-10-16 16-25-09\10-16-18-2_CAL.LOG
 Sequence start: 10/16/2018 4:39:45 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\10-16-18-2_CAL\10-16-18-2_CAL 2018-10-16 16-25-09\ALCOHO.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

JK