

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: 09/14/18-09/15/18

Calibration Date: 09/05/18

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0775 g/100cc
					0.0820 g/100cc
					0.1979 g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Exp date: Sept 2020	Lot #	FN06041502	OK
Curve Fit:	Column 1	0.99999	Column2	0.99999

Ethanol Calibration Reference Material								
Calibrator level	Expiration	Ceriliant Lot #	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0504	0.0509	0.0005	0.0506
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Aug-21	FN08101601	0.100	0.090 - 0.110	0.0994	0.0997	0.0003	0.0995
0.200	Dec-19	FN12011401	0.200	0.180 - 0.220	0.1996	0.1989	0.0007	0.1992
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3008	0.3002	0.0006	0.3005
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Sep-21	FN07031402	0.500	0.450 - 0.550	0.4997	0.5003	0.0006	0.5

Aqueous Controls					
Control level	Expiration	Ceriliant 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

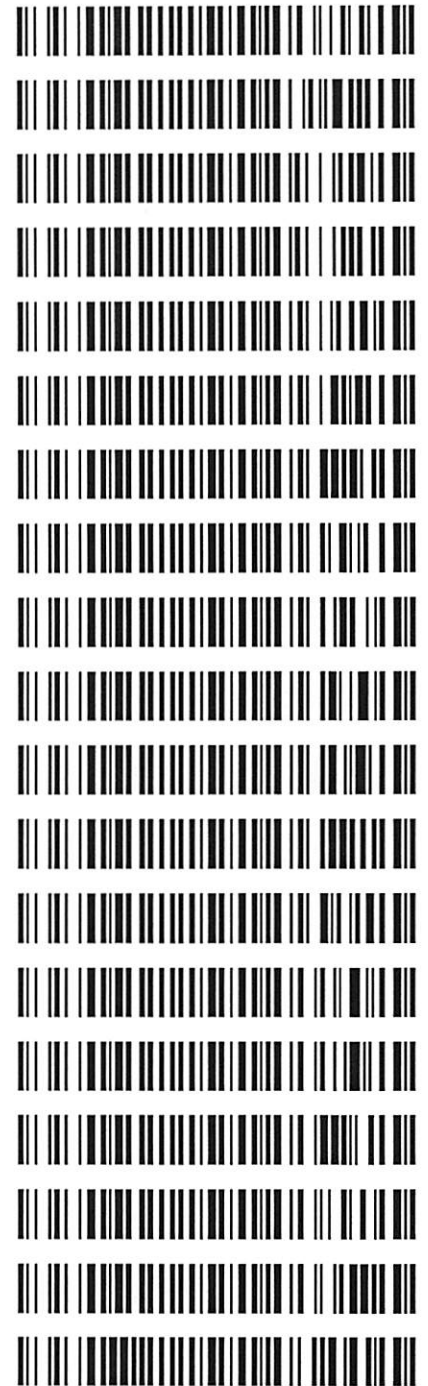
APPROVED

Jeremy Johnston
9/17/18

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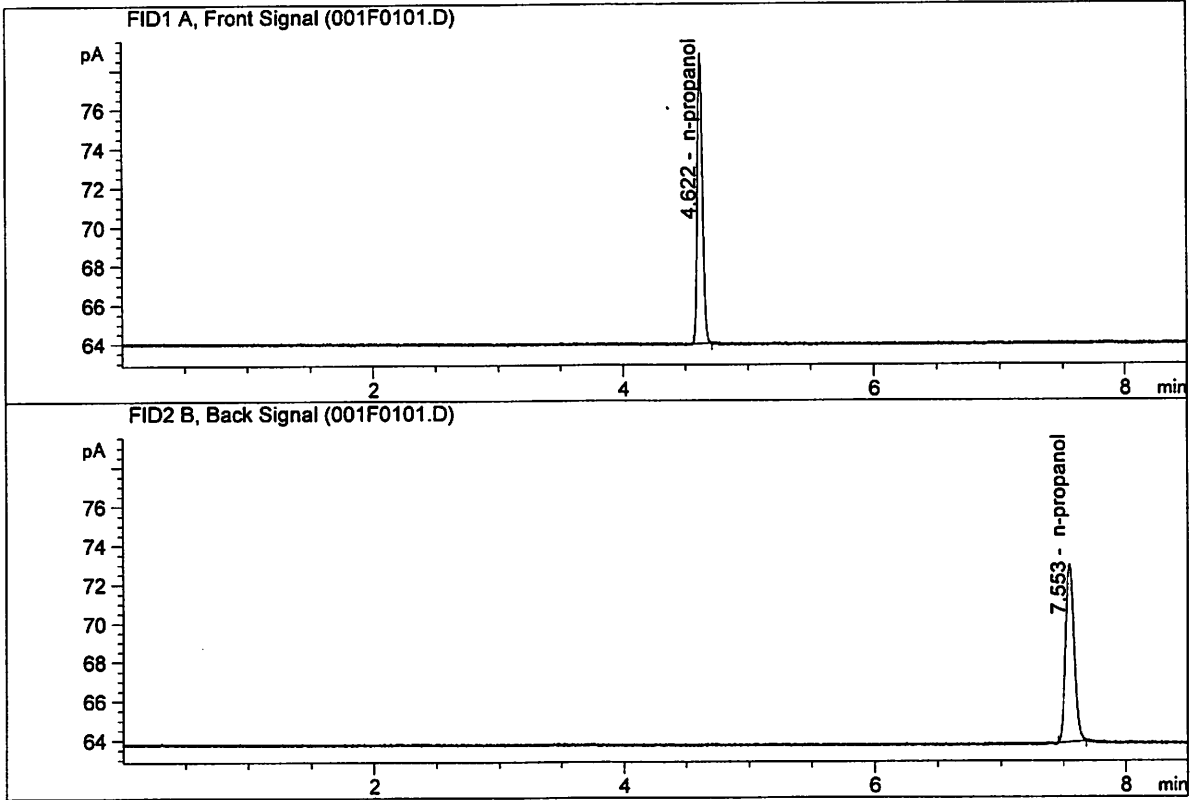
Worklist: 2685

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2018-3702	2	126348	Alcohol Analysis
M2018-4476	1	126004	Alcohol Analysis
M2018-4489	1	126092	Alcohol Analysis
M2018-4490	1	126093	Alcohol Analysis
M2018-4513	1	126249	Alcohol Analysis
M2018-4515	1	126258	Alcohol Analysis
M2018-4516	1	126262	Alcohol Analysis
M2018-4517	1	126269	Alcohol Analysis
M2018-4518	1	126270	Alcohol Analysis
M2018-4519	1	126271	Alcohol Analysis
M2018-4520	1	126275	Alcohol Analysis
M2018-4521	1	126279	Alcohol Analysis
M2018-4522	1	126283	Alcohol Analysis
M2018-4531	1	126353	Alcohol Analysis
M2018-4532	1	126354	Alcohol Analysis
M2018-4533	1	126358	Alcohol Analysis
M2018-4537	1	126367	Alcohol Analysis
M2018-4538	1	126368	Alcohol Analysis
P2018-2248	2	125921	Alcohol Analysis



ISP Forensic Services Blood Alcohol Report

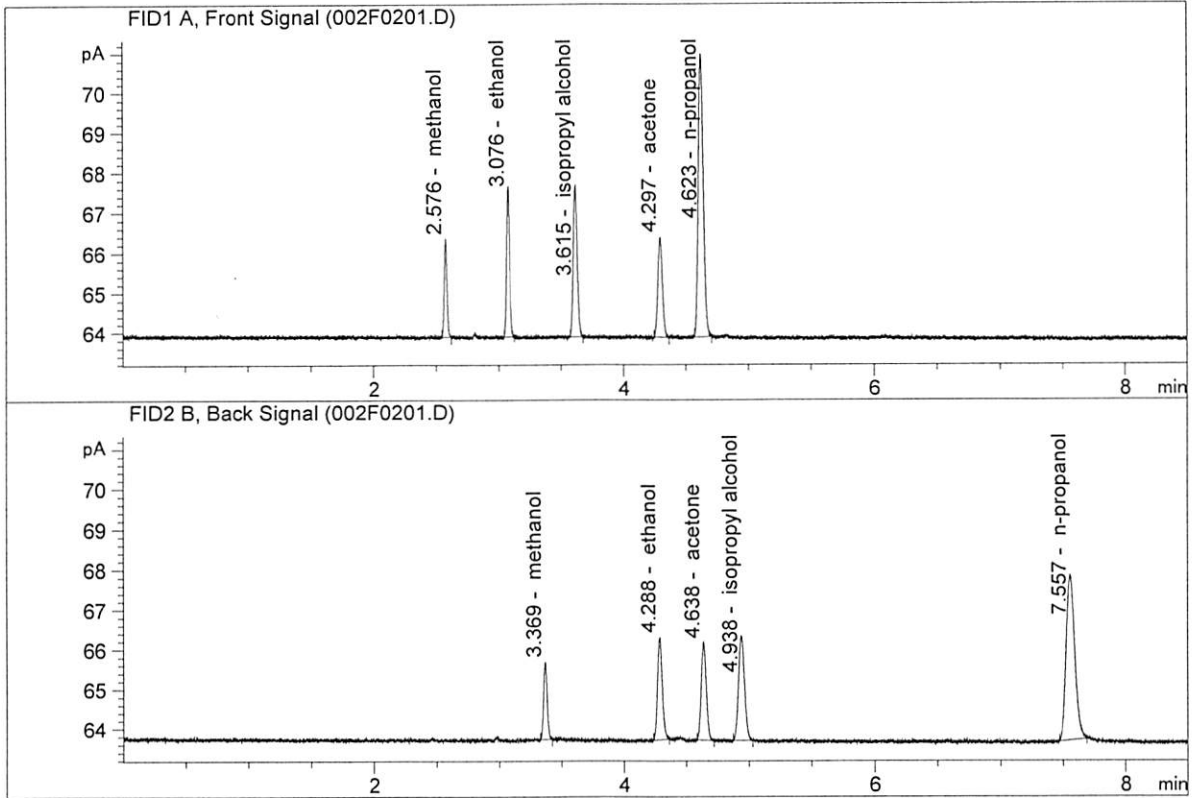
Sample Name : INTERNAL STD BLK 1
 Laboratory : Meridian
 Injection Date : Sep 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	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:	42.08554	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.83599	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
 Laboratory : Meridian
 Injection Date : Sep 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.65183	0.1749	g/100cc
2.	Ethanol	Column 2:	6.84022	0.1760	g/100cc
3.	n-Propanol	Column 1:	19.90567	1.0000	g/100cc
4.	n-Propanol	Column 2:	20.10593	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 13 Sep 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0772	0.0778	0.0006	0.0775	0.0775	
(g/100cc)	0.0775	0.0777	0.0002	0.0776		

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
0.077	0.073	0.081	0.004

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

Issued: 12/30/2016

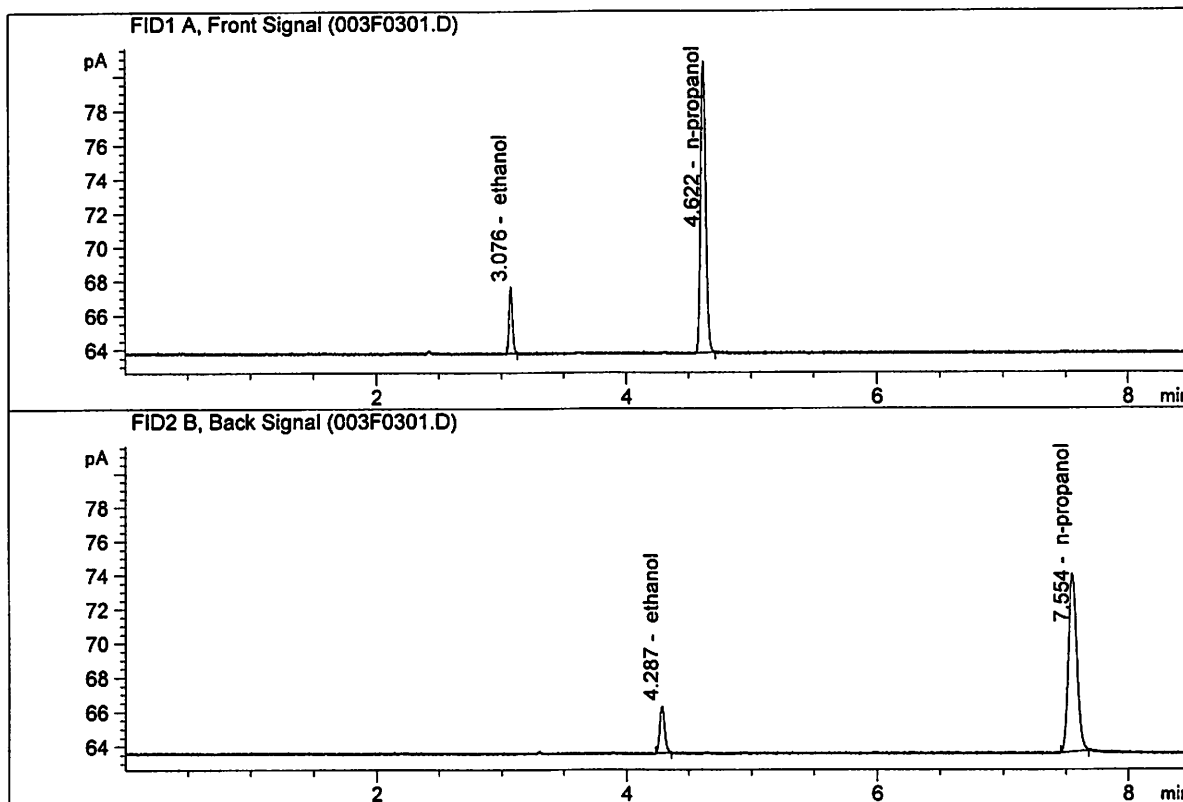
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

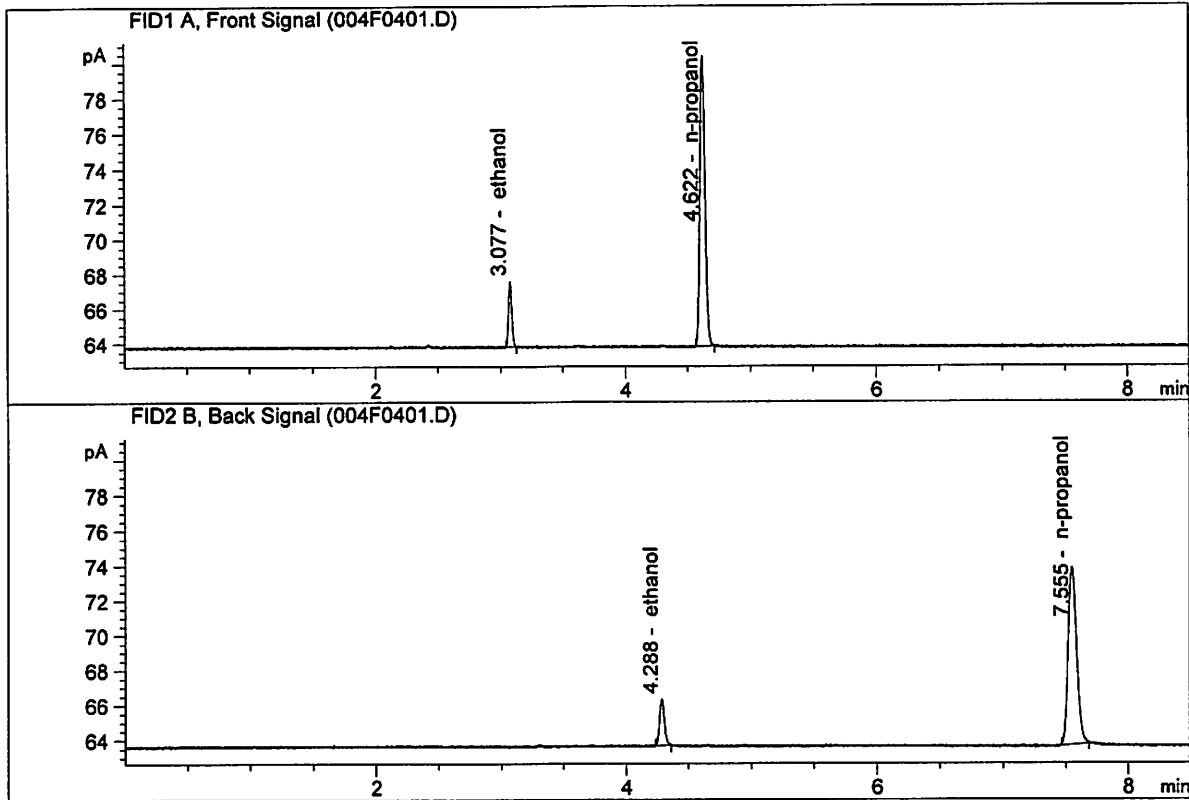
Sample Name : QC1-1-A
 Laboratory : Meridian
 Injection Date : Sep 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.10998	0.0772	g/100cc
2.	Ethanol	Column 2:	7.31496	0.0778	g/100cc
3.	n-Propanol	Column 1:	48.40495	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.03770	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Meridian
 Injection Date : Sep 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.95260	0.0775	g/100cc
2.	Ethanol	Column 2:	7.08925	0.0777	g/100cc
3.	n-Propanol	Column 1:	47.15348	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.54917	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701

Analysis Date(s): 13 Sep 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0802	0.0803	0.0001	0.0802	0.0805	
(g/100cc)	0.0807	0.0811	0.0004	0.0809		

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

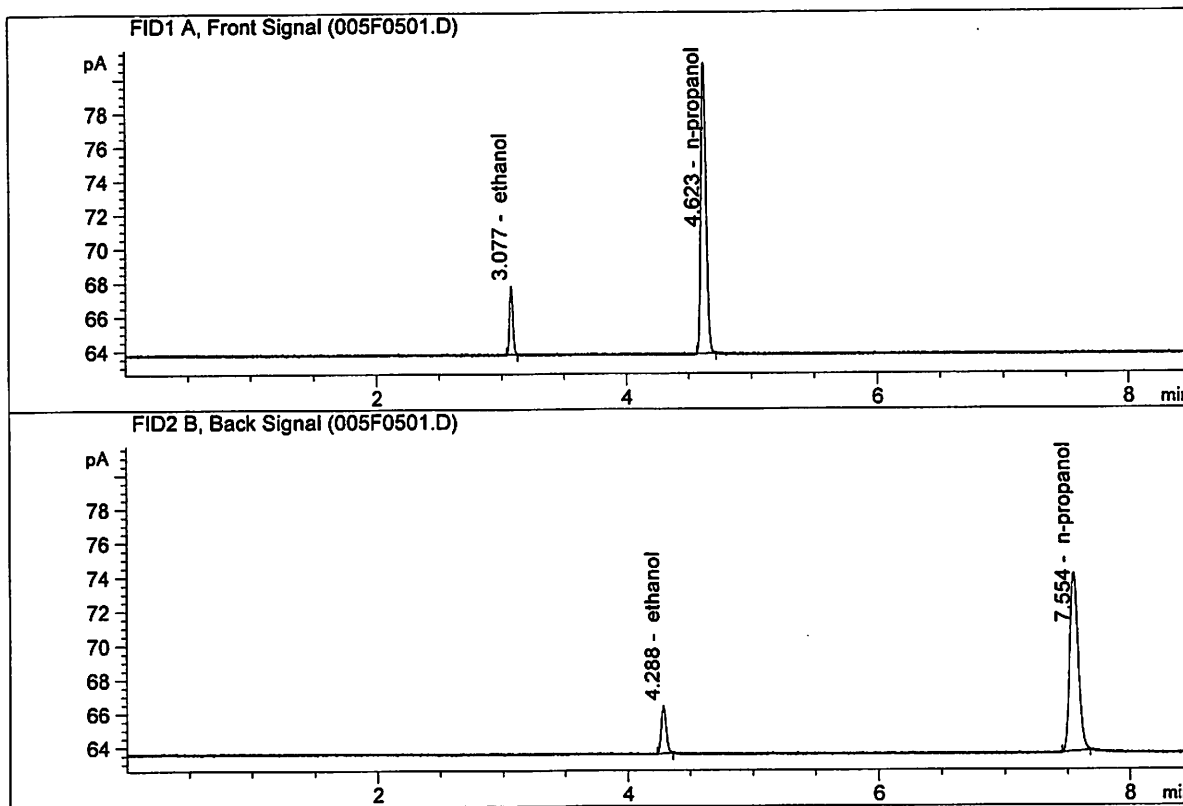
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
 Laboratory : Meridian
 Injection Date : Sep 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

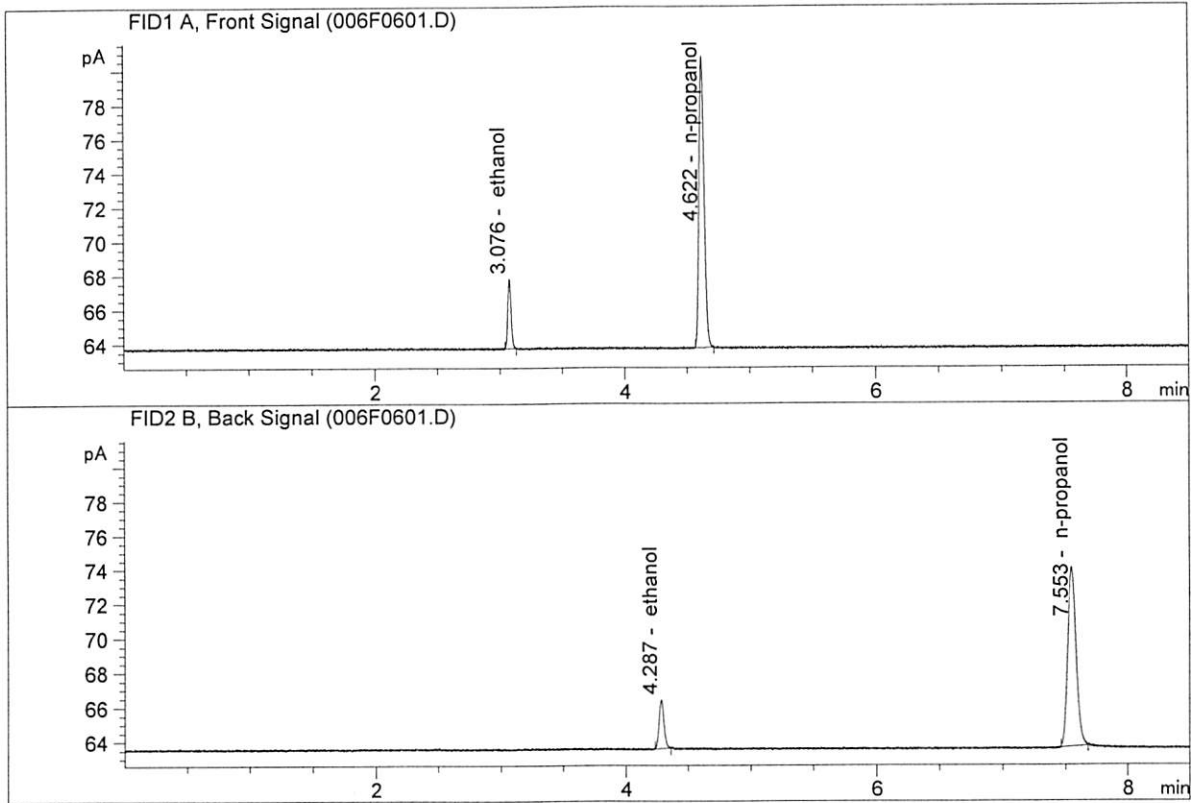


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.40844	0.0802	g/100cc
2.	Ethanol	Column 2:	7.59161	0.0803	g/100cc
3.	n-Propanol	Column 1:	48.55117	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.22022	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
 Laboratory : Meridian
 Injection Date : Sep 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.39522	0.0807	g/100cc
2.	Ethanol	Column 2:	7.59078	0.0811	g/100cc
3.	n-Propanol	Column 1:	48.17377	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.69202	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 13 Sep 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1988	0.1968	0.0020	0.1978	0.1979	
(g/100cc)	0.1978	0.1983	0.0005	0.1980		

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
0.197	0.187	0.207	0.010

	Reported Result 0.197	
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Calibration and control data are stored centrally.

Issued: 12/30/2016

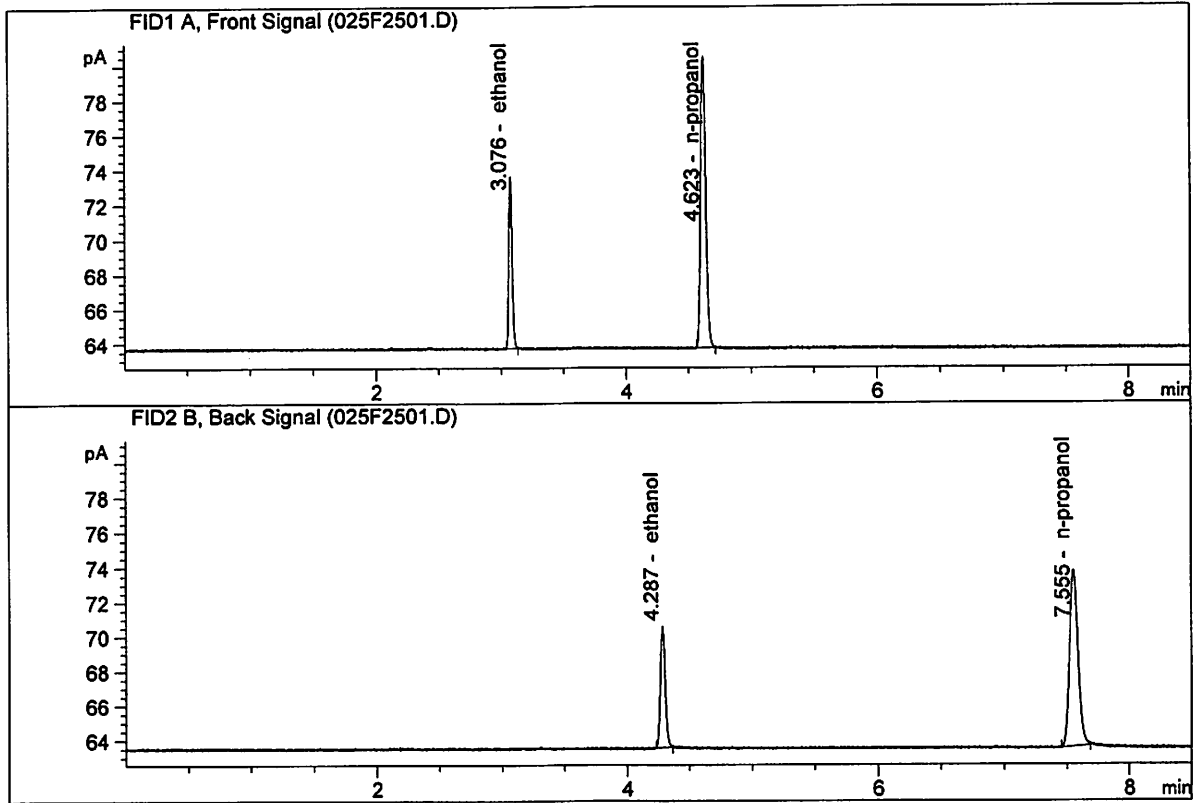
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

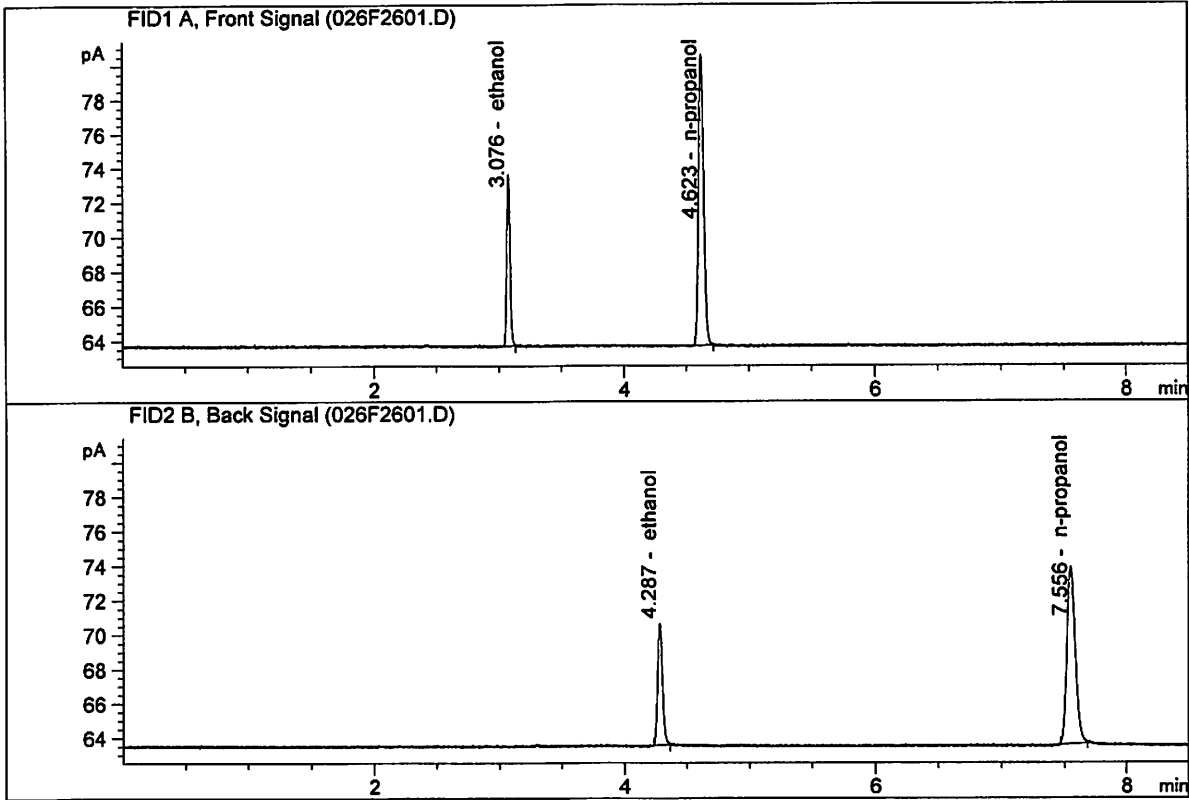
Sample Name : QC2-1-A
 Laboratory : Meridian
 Injection Date : Sep 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.06437	0.1988	g/100cc
2.	Ethanol	Column 2:	18.68232	0.1968	g/100cc
3.	n-Propanol	Column 1:	47.55194	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.00122	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Meridian
 Injection Date : Sep 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.16141	0.1978	g/100cc
2.	Ethanol	Column 2:	18.87907	0.1983	g/100cc
3.	n-Propanol	Column 1:	48.04943	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.12777	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 14 Sep 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0816	0.0833	0.0017	0.0824	0.0820	
(g/100cc)	0.0816	0.0816	0.0000	0.0816		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result	
	0.082	

Calibration and control data are stored centrally.

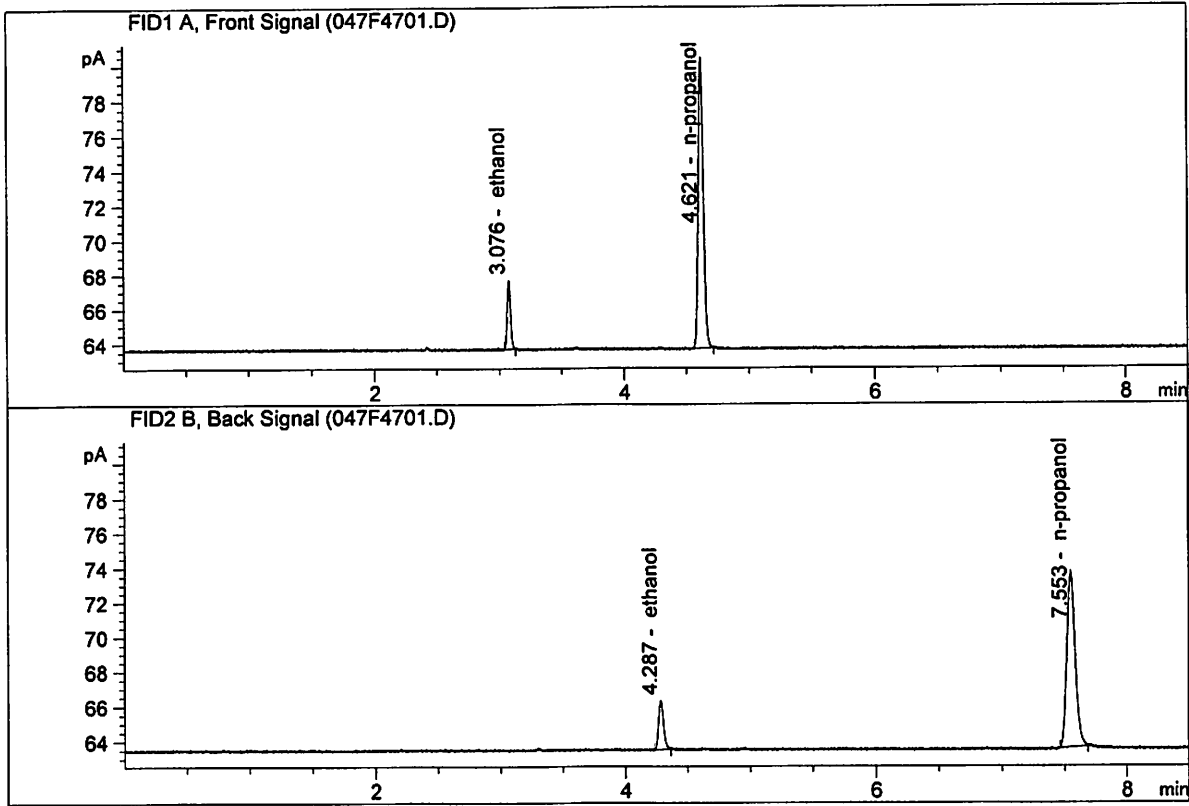
Issued: 12/30/2016

Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

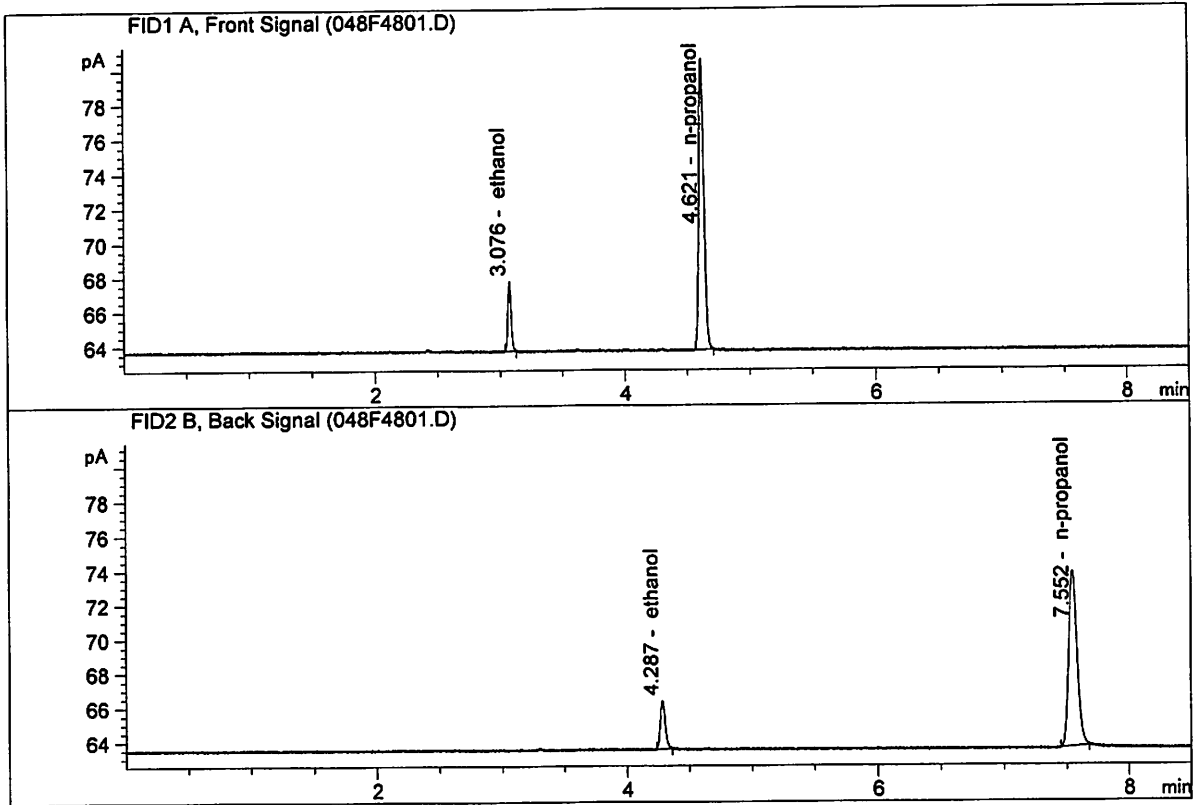
Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : Sep 14, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.37061	0.0816	g/100cc
2.	Ethanol	Column 2:	7.61002	0.0833	g/100cc
3.	n-Propanol	Column 1:	47.49314	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.47376	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

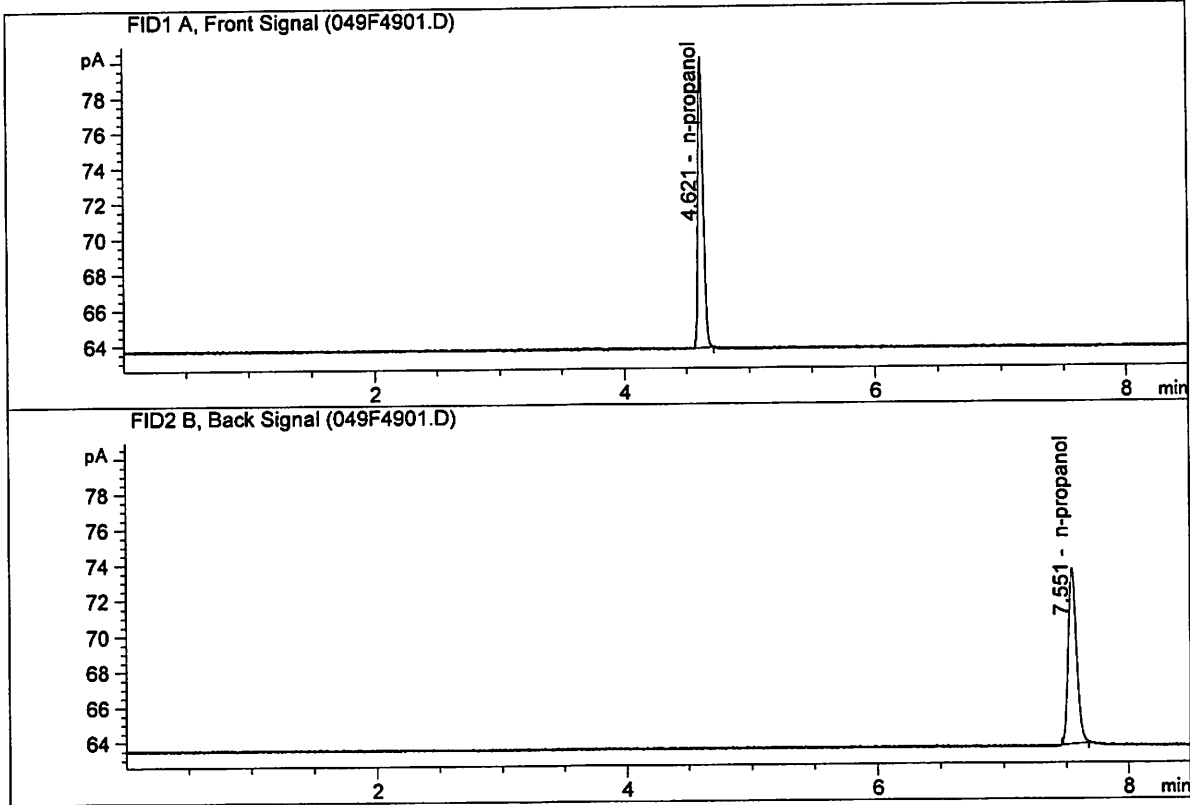
Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : Sep 14, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.43272	0.0816	g/100cc
2.	Ethanol	Column 2:	7.53482	0.0816	g/100cc
3.	n-Propanol	Column 1:	47.85481	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.99407	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

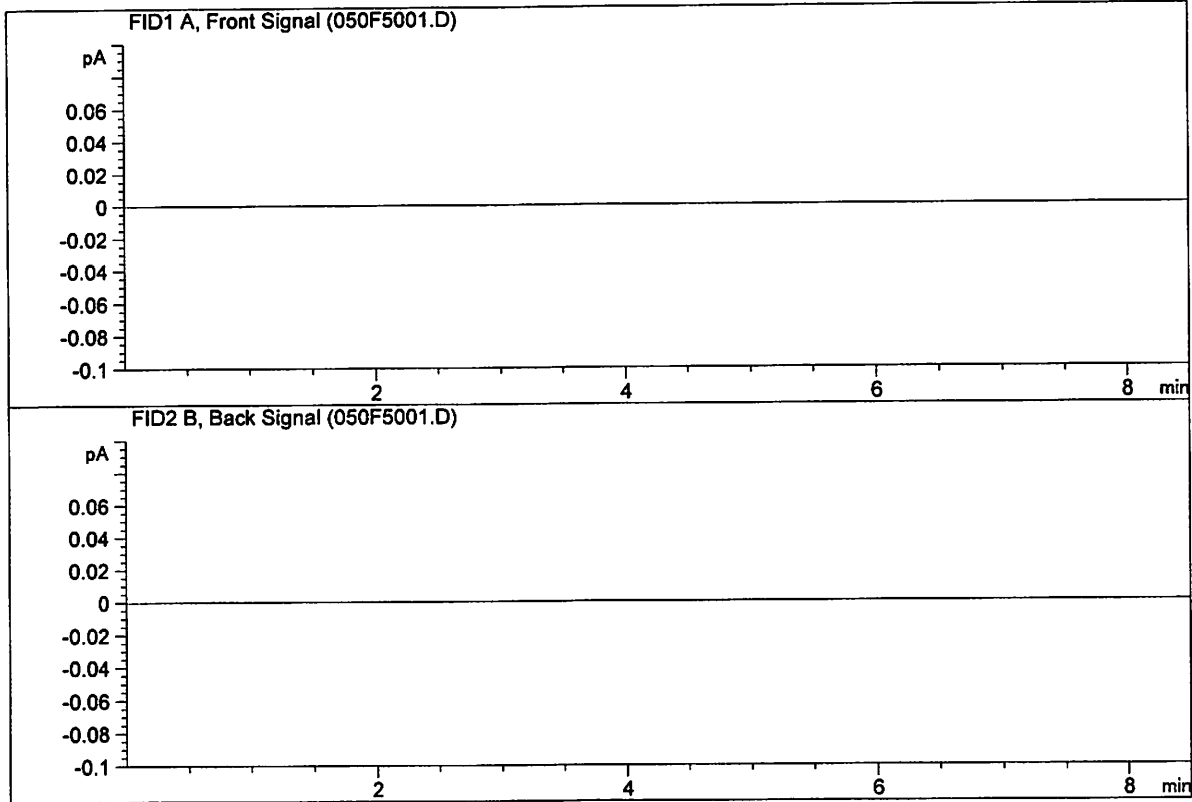
Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Sep 14, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	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:	46.52776	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.40020	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : EMPTY
 Laboratory : Meridian
 Injection Date : Sep 14, 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

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

Sequence table: C:\Chem32\1\Data\09-13-18_SAMPLES\09-13-18_SAMPLES 2018-09-13 16-12-11\09-13-18_SAMPLES.S
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 Logbook: C:\Chem32\1\Data\09-13-18_SAMPLES\09-13-18_SAMPLES 2018-09-13 16-12-11\09-13-18_SAMPLES.LOG
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 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\09-13-18_SAMPLES\09-13-18_SAMPLES 2018-09-13 16-12-11\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	M2018-3702-2-A	-	1.0000	007F0701.D		4
8	8	1	M2018-3702-2-B	-	1.0000	008F0801.D		4
9	9	1	M2018-4476-1-A	-	1.0000	009F0901.D		5
10	10	1	M2018-4476-1-B	-	1.0000	010F1001.D		4
11	11	1	M2018-4489-1-A	-	1.0000	011F1101.D		4
12	12	1	M2018-4489-1-B	-	1.0000	012F1201.D		4
13	13	1	M2018-4490-1-A	-	1.0000	013F1301.D		4
14	14	1	M2018-4490-1-B	-	1.0000	014F1401.D		4
15	15	1	M2018-4513-1-A	-	1.0000	015F1501.D		2
16	16	1	M2018-4513-1-B	-	1.0000	016F1601.D		2
17	17	1	M2018-4515-1-A	-	1.0000	017F1701.D		4
18	18	1	M2018-4515-1-B	-	1.0000	018F1801.D		4
19	19	1	M2018-4516-1-A	-	1.0000	019F1901.D		4
20	20	1	M2018-4516-1-B	-	1.0000	020F2001.D		4
21	21	1	M2018-4517-1-A	-	1.0000	021F2101.D		2
22	22	1	M2018-4517-1-B	-	1.0000	022F2201.D		2
23	23	1	M2018-4518-1-A	-	1.0000	023F2301.D		4
24	24	1	M2018-4518-1-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	M2018-4519-1-A	-	1.0000	027F2701.D		2
28	28	1	M2018-4519-1-B	-	1.0000	028F2801.D		2
29	29	1	M2018-4520-1-A	-	1.0000	029F2901.D		2
30	30	1	M2018-4520-1-B	-	1.0000	030F3001.D		2
31	31	1	M2018-4521-1-A	-	1.0000	031F3101.D		4
32	32	1	M2018-4521-1-B	-	1.0000	032F3201.D		4
33	33	1	M2018-4522-1-A	-	1.0000	033F3301.D		5
34	34	1	M2018-4522-1-B	-	1.0000	034F3401.D		5
35	35	1	M2018-4531-1-A	-	1.0000	035F3501.D		4
36	36	1	M2018-4531-1-B	-	1.0000	036F3601.D		4
37	37	1	M2018-4532-1-A	-	1.0000	037F3701.D		4
38	38	1	M2018-4532-1-B	-	1.0000	038F3801.D		4
39	39	1	M2018-4533-1-A	-	1.0000	039F3901.D		4
40	40	1	M2018-4533-1-B	-	1.0000	040F4001.D		4
41	41	1	M2018-4537-1-A	-	1.0000	041F4101.D		6
42	42	1	M2018-4537-1-B	-	1.0000	042F4201.D		5
43	43	1	M2018-4538-1-A	-	1.0000	043F4301.D		4

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	M2018-4538-1-B	-	1.0000	044F4401.D	4
45	45	1	P2018-2248-1-A	-	1.0000	045F4501.D	2
46	46	1	P2018-2248-1-B	-	1.0000	046F4601.D	2
47	47	1	QC1-2-A	-	1.0000	047F4701.D	4
48	48	1	QC1-2-B	-	1.0000	048F4801.D	4
49	49	1	INTERNAL STD BLK	-	1.0000	049F4901.D	2

Method file name: C:\Chem32\1\Data\09-13-18_SAMPLES\09-13-18_SAMPLES 2018-09-13 16-12-11 \SHUTDOWN.M

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

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Calibration Table
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General Calibration Setting

Calib. Data Modified : Wednesday, September 05, 2018 3:47:55 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	4.59817	1.08739e-2	No	No 1	ethanol
		2	1.00000e-1	9.32346	1.07256e-2			
		3	2.00000e-1	18.41389	1.08614e-2			
		4	3.00000e-1	27.45264	1.09279e-2			
		5	5.00000e-1	46.08223	1.08502e-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	4.66852	1.07100e-2	No	No 2	ethanol
		2	1.00000e-1	9.64956	1.03632e-2			
		3	2.00000e-1	19.22962	1.04006e-2			
		4	3.00000e-1	28.79560	1.04183e-2			
		5	5.00000e-1	48.70642	1.02656e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	48.17749	2.07566e-2	No	Yes 1	n-propanol
		2	1.00000	49.21605	2.03186e-2			
		3	1.00000	48.27000	2.07168e-2			
		4	1.00000	47.70254	2.09632e-2			
		5	1.00000	48.15673	2.07655e-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	50.14548	1.99420e-2	No	Yes 2	n-propanol
		2	1.00000	50.94972	1.96272e-2			
		3	1.00000	49.87467	2.00503e-2			
		4	1.00000	49.17295	2.03364e-2			
		5	1.00000	49.65463	2.01391e-2			

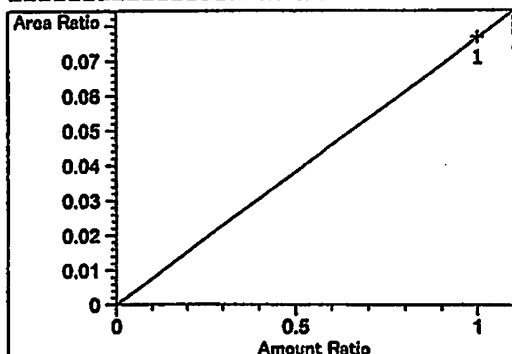
Peak Sum Table

No Entries in table

1 Warnings or Errors :

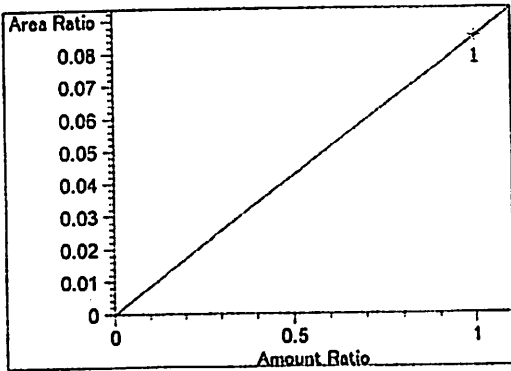
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

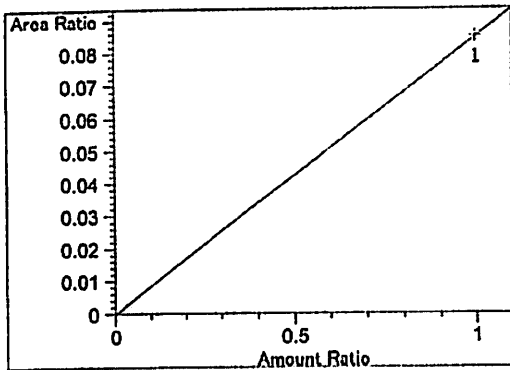


methanol at exp. RT: 2.586
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 7.67307e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

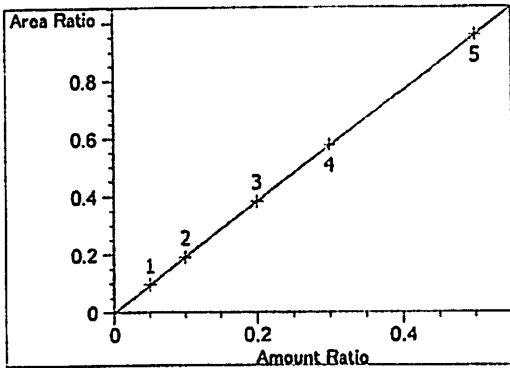
36



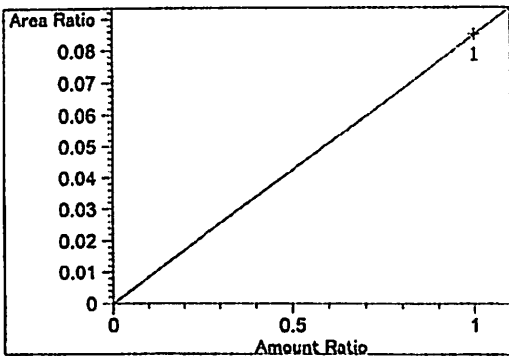
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: $8.49728e-2$
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: $8.49728e-2$
b: 0.00000
x: Amount Ratio
y: Area Ratio

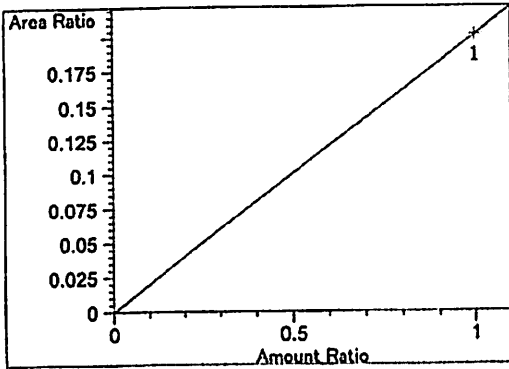


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: ~~0.99999~~
Residual Std. Dev.: 0.00128
Formula: $y = mx + b$
m: 1.91721
b: $-1.20246e-3$
x: Amount Ratio
y: Area Ratio

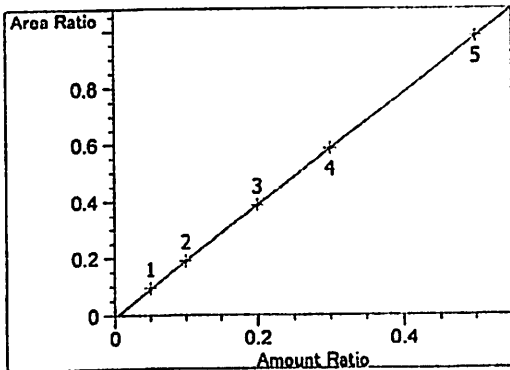


methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: $8.49653e-2$
b: 0.00000
x: Amount Ratio
y: Area Ratio

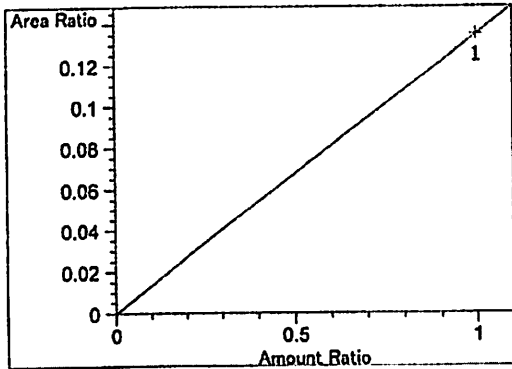
JG



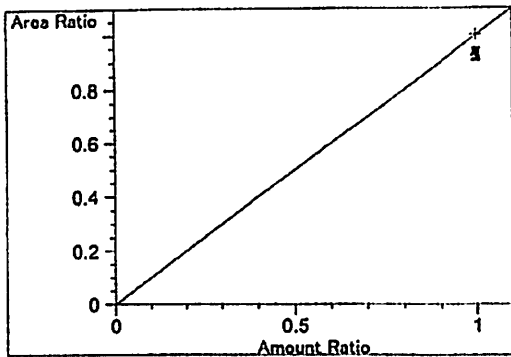
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: $2.01973e-1$
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00169
Formula: $y = mx + b$
m: 1.97570
b: $-7.50104e-3$
x: Amount Ratio
y: Area Ratio

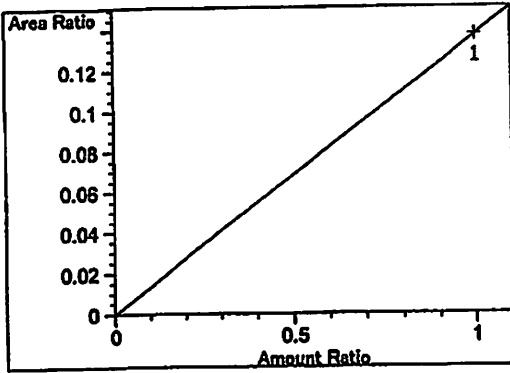


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: $1.34905e-1$
b: 0.00000
x: Amount Ratio
y: Area Ratio

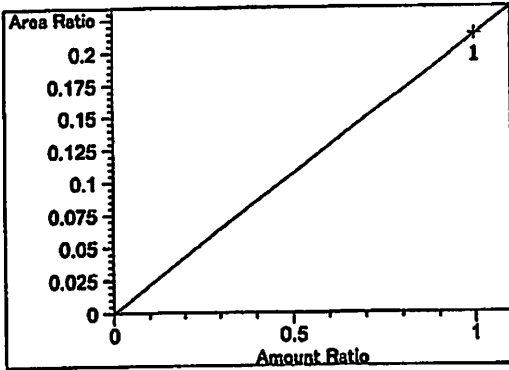


n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

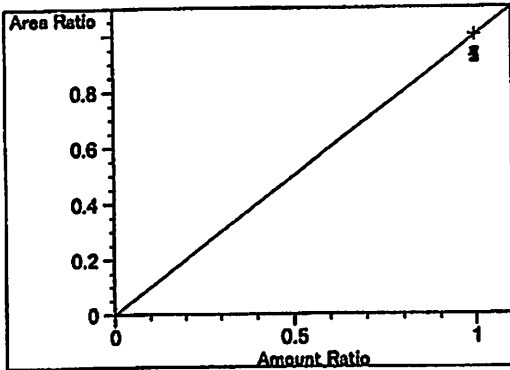
16



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.37460e-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: 2.13507e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



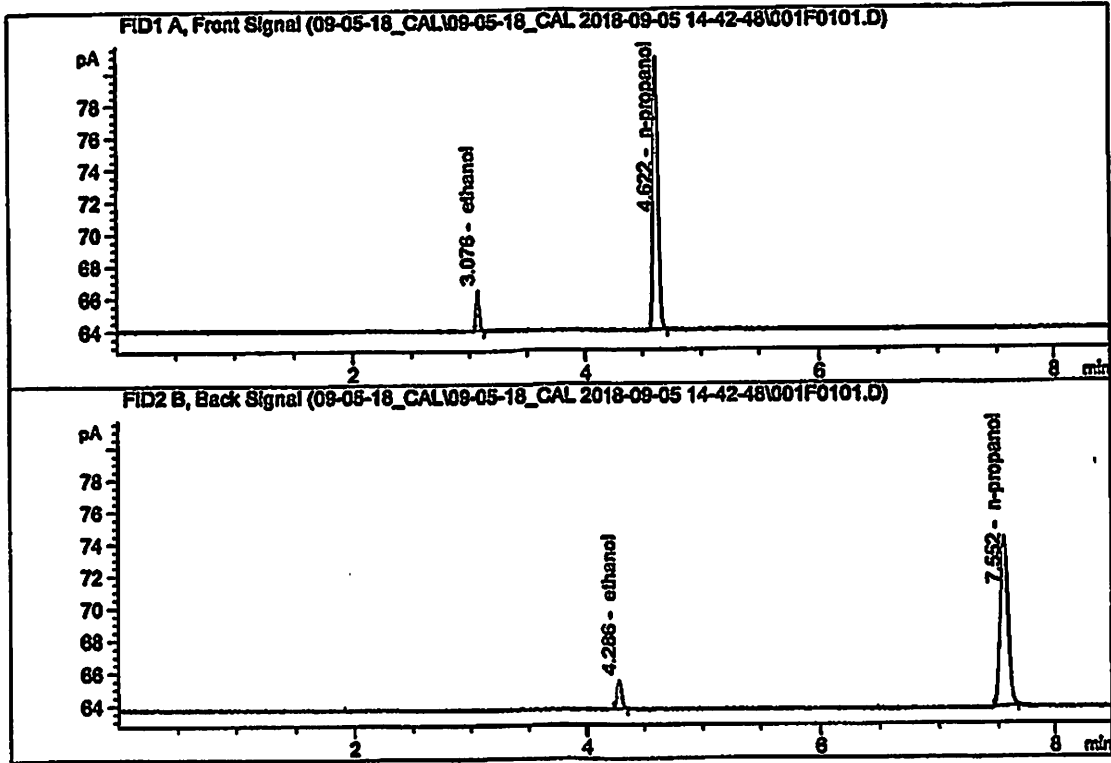
n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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ISP Forensic Services Blood Alcohol Report

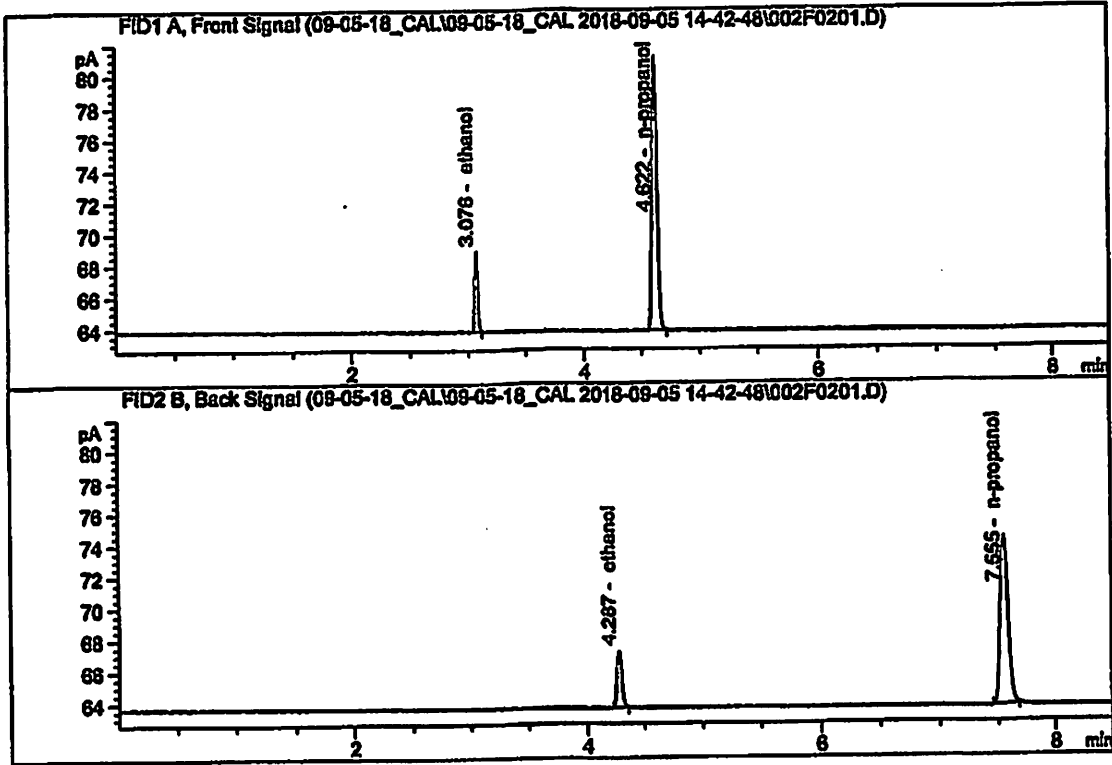
Sample Name : 0.050 FN06231406
 Laboratory : Meridian
 Injection Date : Sep 5, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.59817	0.0504	g/100cc
2.	Ethanol	Column 2:	4.66852	0.0509	g/100cc
3.	n-Propanol	Column 1:	48.17749	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.14548	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

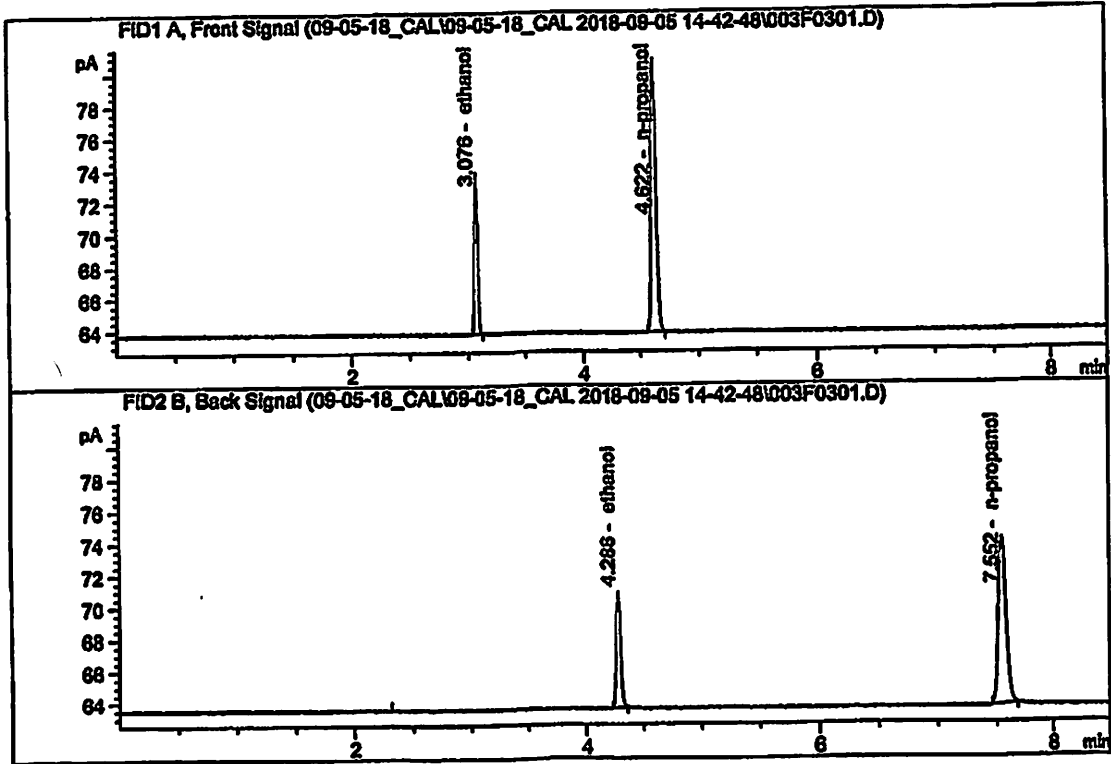
Sample Name : 0.100 FN08101601
 Laboratory : Meridian
 Injection Date : Sep 5, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.32346	0.0994	g/100cc
2.	Ethanol	Column 2:	9.64956	0.0997	g/100cc
3.	n-Propanol	Column 1:	49.21605	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.94972	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN12011401
 Laboratory : Meridian
 Injection Date : Sep 5, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

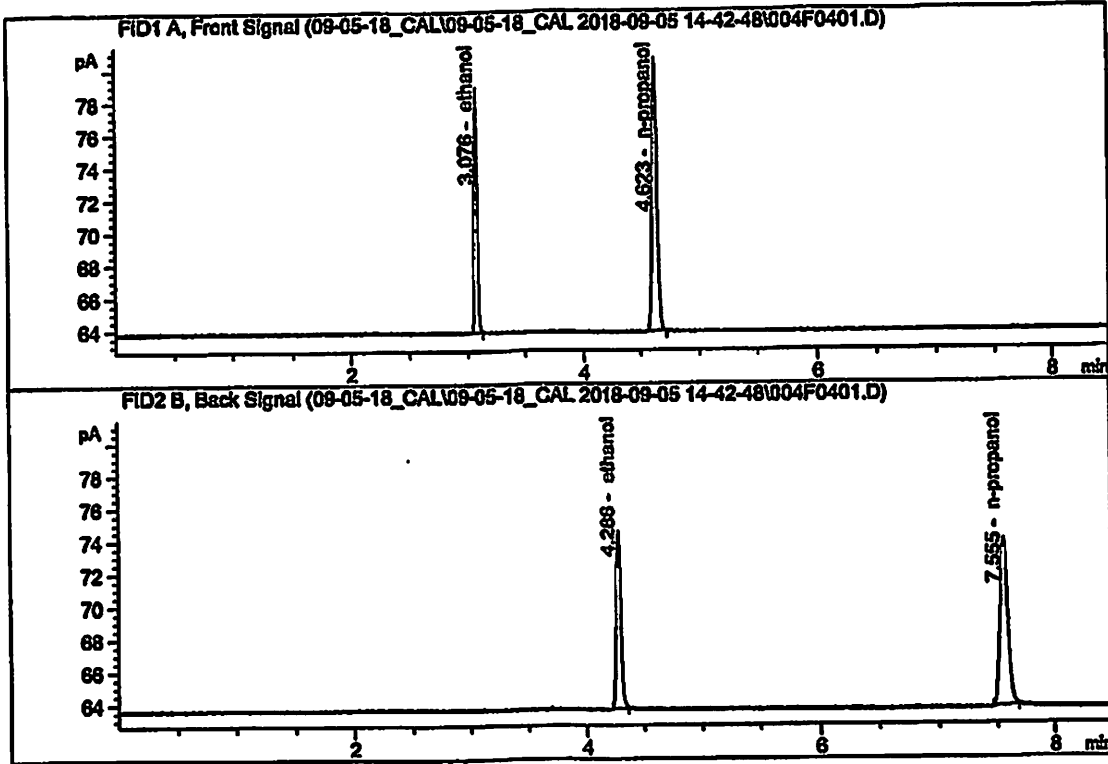


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.41389	0.1996	g/100cc
2.	Ethanol	Column 2:	19.22962	0.1989	g/100cc
3.	n-Propanol	Column 1:	48.27000	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.87467	1.0000	g/100cc

ck

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN02121601
 Laboratory : Meridian
 Injection Date : Sep 5, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

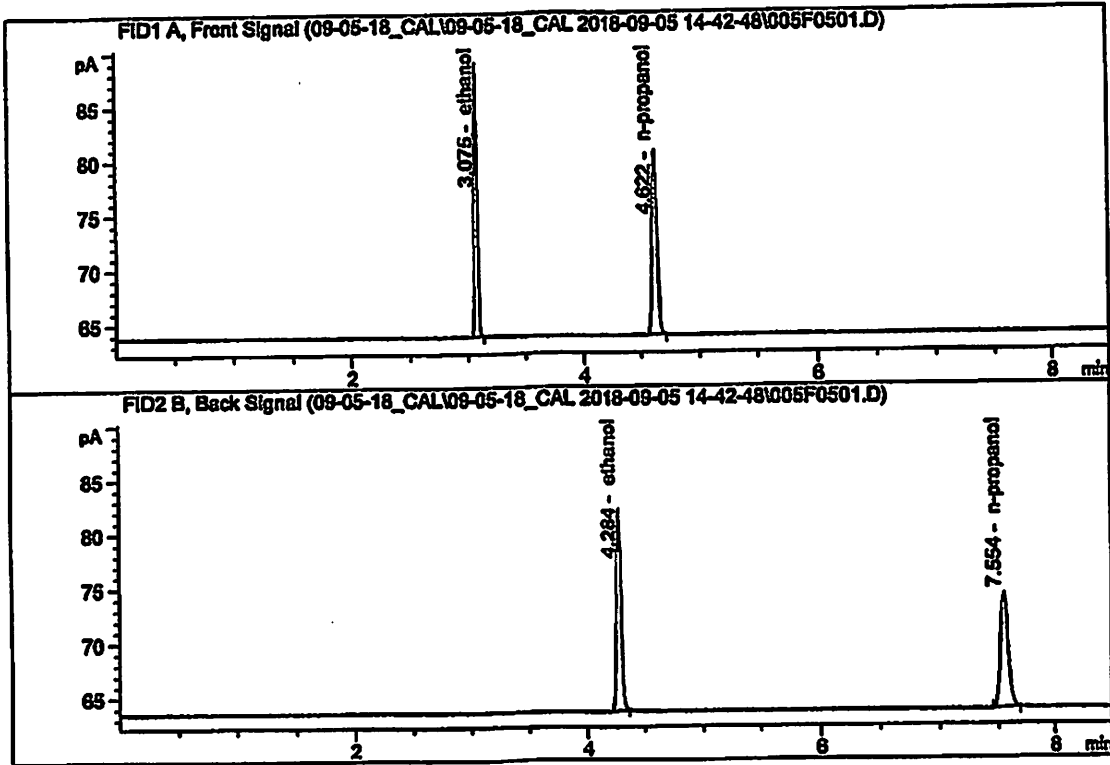


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.45264	0.3008	g/100cc
2.	Ethanol	Column 2:	28.79560	0.3002	g/100cc
3.	n-Propanol	Column 1:	47.70254	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.17295	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402
 Laboratory : Meridian
 Injection Date : Sep 5, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

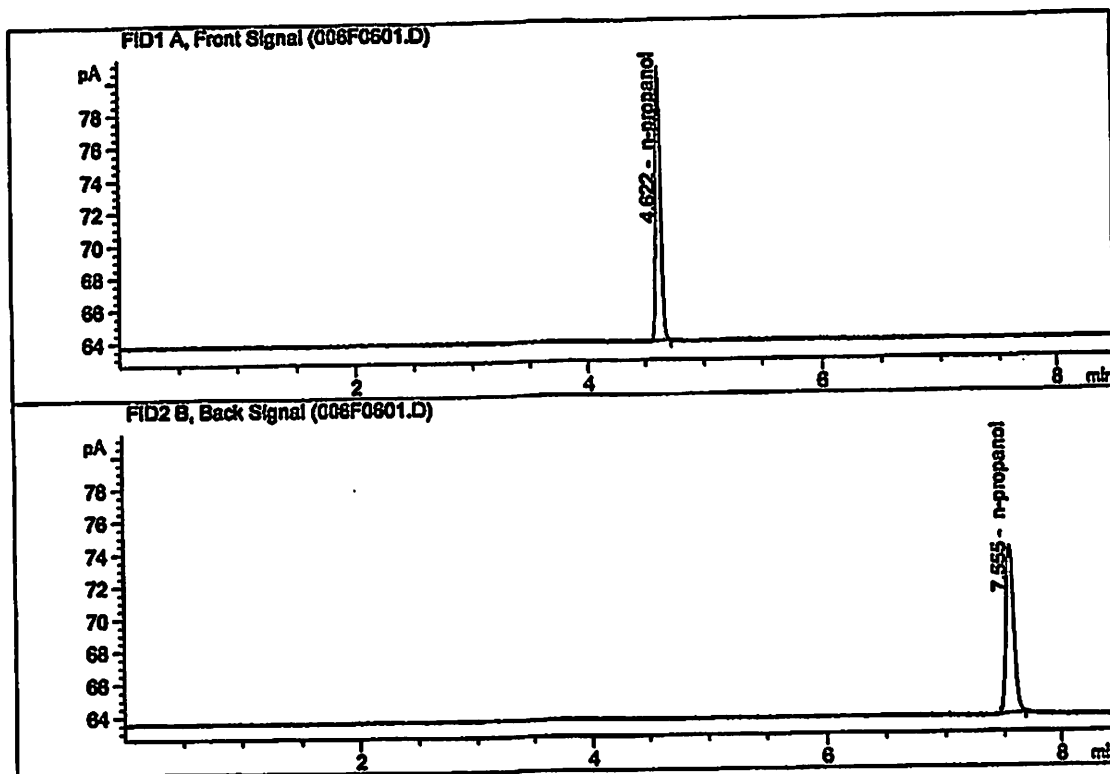


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.08223	0.4997	g/100cc
2.	Ethanol	Column 2:	48.70642	0.5003	g/100cc
3.	n-Propanol	Column 1:	48.15673	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.65463	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : Sep 5, 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:	47.67532	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.94547	1.0000	g/100cc

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

Sequence table: C:\Chem32\1\Data\09-05-18_CAL\09-05-18_CAL 2018-09-05 14-42-48\09-05-18_CAL.S
 Data directory path: C:\Chem32\1\Data\09-05-18_CAL\09-05-18_CAL 2018-09-05 14-42-48\
 Logbook: C:\Chem32\1\Data\09-05-18_CAL\09-05-18_CAL 2018-09-05 14-42-48\09-05-18_CAL.LOG
 Sequence start: 9/5/2018 2:57:23 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\09-05-18_CAL\09-05-18_CAL 2018-09-05 14-42-48\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

dc