

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): 6/21/18-6/22/18
Calibration Date: 06/13/2018

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0766 g/100cc 0.0801 g/100cc g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.2032 g/100cc 0.2135 g/100cc g/100cc
Multi-Component mixture:		Exp date: Sept 2020	Lot #	FN06041503	OK
Curve Fit:		Column 1	0.99998	Column2	0.99992

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	0.0507	0.0521	0.0014	0.0514
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Jun-20	FN06181501	0.100	0.090 - 0.110	0.0997	0.0999	0.0002	0.0998
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.2004	0.1993	0.0011	0.1998
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2984	0.2966	0.0018	0.2975
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Sep-21	FN08031602	0.500	0.450 - 0.550	0.5008	0.5021	0.0013	0.5014

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Nov-20	FN10281510	0.08000	0.076 - 0.084	0.082 g/100cc

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

Issued: 4/22/2015

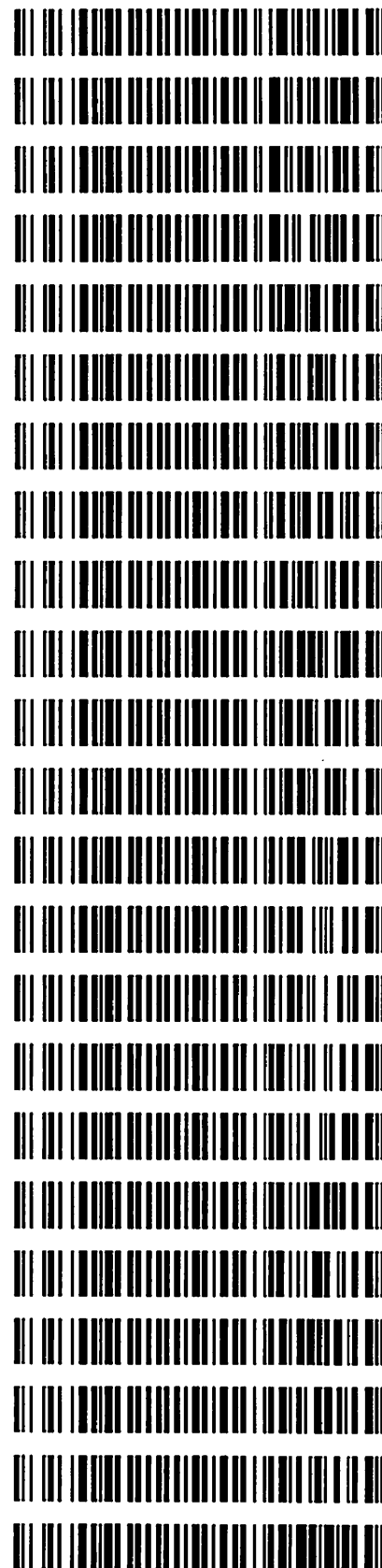
Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

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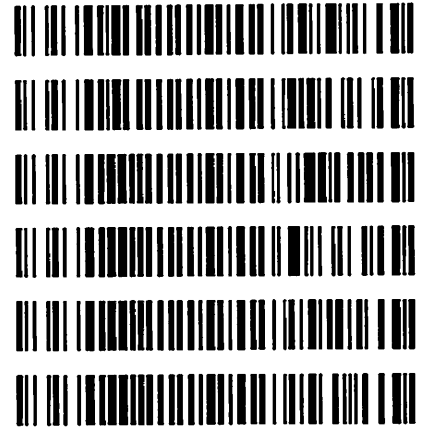
Worklist: 2510

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2018-2894	1	117729	Alcohol Analysis
M2018-2932	1	117841	Alcohol Analysis
M2018-2933	1	117842	Alcohol Analysis
M2018-2955	1	117918	Alcohol Analysis
M2018-2968	1	117966	Alcohol Analysis
M2018-2976	1	118195	Alcohol Analysis
M2018-2977	1	118196	Alcohol Analysis
M2018-2978	1	118200	Alcohol Analysis
M2018-2991	3	118262	Alcohol Analysis
M2018-2995	1	118443	Alcohol Analysis
M2018-2996	1	118445	Alcohol Analysis
M2018-2997	1	118447	Alcohol Analysis
M2018-2998	1	118495	Alcohol Analysis
M2018-3002	1	118533	Alcohol Analysis
M2018-3003	1	118534	Alcohol Analysis
M2018-3045	2	118596	Alcohol Analysis
M2018-3046	1	118601	Alcohol Analysis
M2018-3051	1	118610	Alcohol Analysis
M2018-3052	1	118611	Alcohol Analysis
M2018-3059	1	118678	Alcohol Analysis
M2018-3060	1	118679	Alcohol Analysis
M2018-3061	1	118680	Alcohol Analysis
M2018-3078	1	118709	Alcohol Analysis



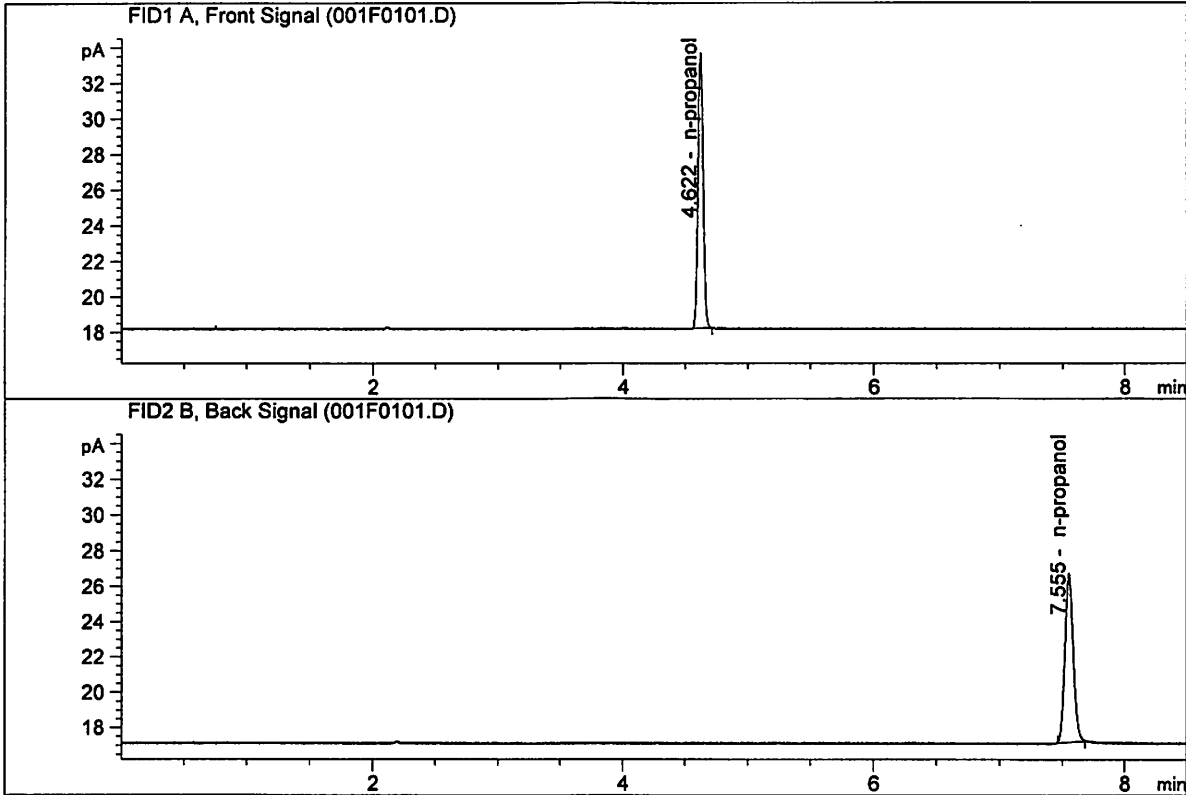
Worklist: 2510

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2018-3080	1	118716	Alcohol Analysis
M2018-3084	1	118762	Alcohol Analysis
P2018-1645	1	117577	Alcohol Analysis
P2018-1672	1	117872	Alcohol Analysis
P2018-1745	2	118500	Alcohol Analysis
P2018-1748	1	118529	Alcohol Analysis



ISP Forensic Services Blood Alcohol Report

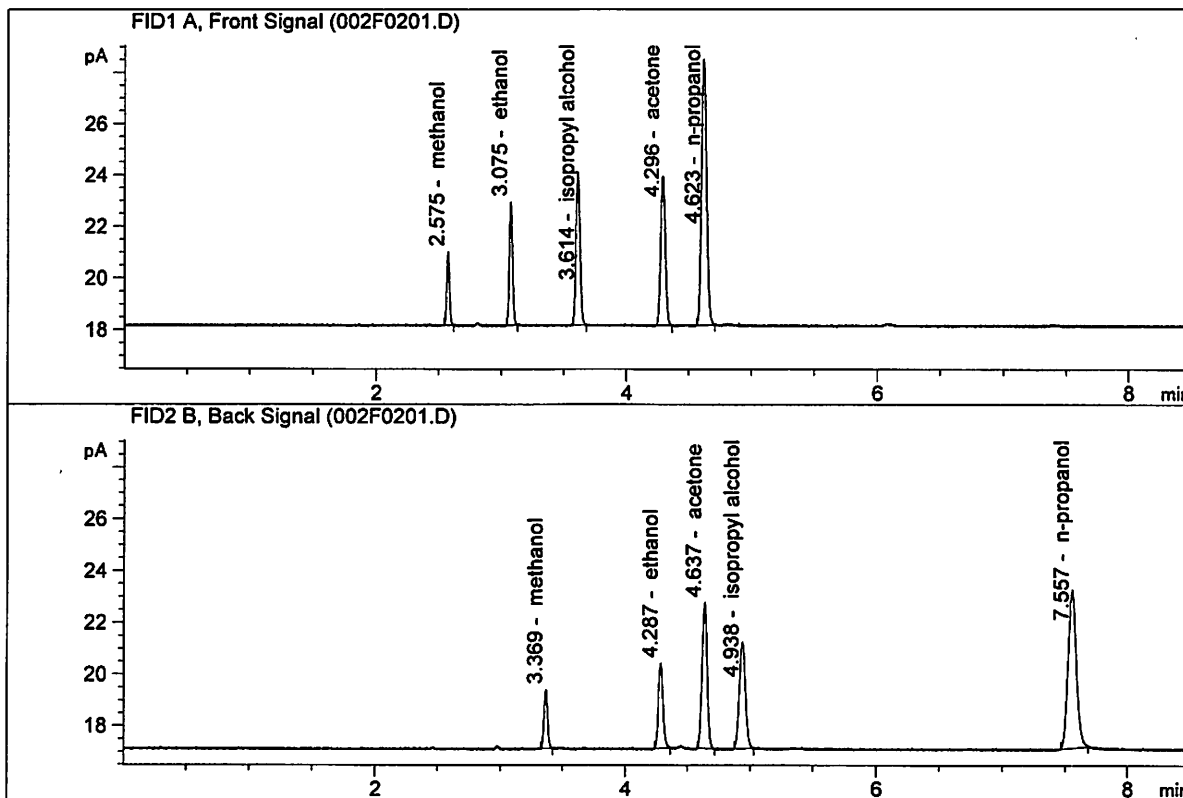
Sample Name : INTERNAL STD BLK 1
 Laboratory : Meridian
 Injection Date : Jun 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	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:	43.95129	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.83710	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041503
 Laboratory : Meridian
 Injection Date : Jun 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.45371	0.1423	g/100cc
2.	Ethanol	Column 2:	8.79382	0.1434	g/100cc
3.	n-Propanol	Column 1:	28.89856	1.0000	g/100cc
4.	n-Propanol	Column 2:	29.58253	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510

Analysis Date(s): 21 Jun 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0818	0.0827	0.0009	0.0822	0.0823
(g/100cc)	0.0818	0.0829	0.0011	0.0823	

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result	
	0.082	

Calibration and control data are stored centrally.

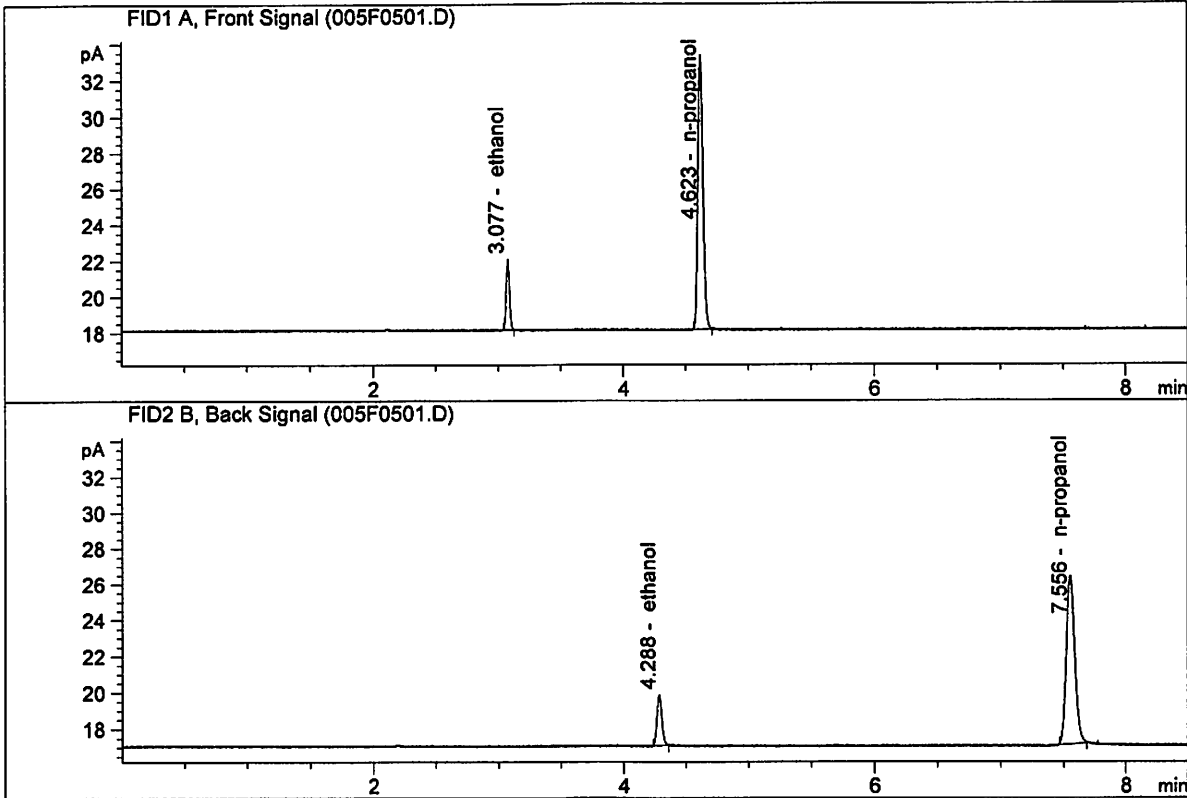
Issued: 12/30/2016

Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

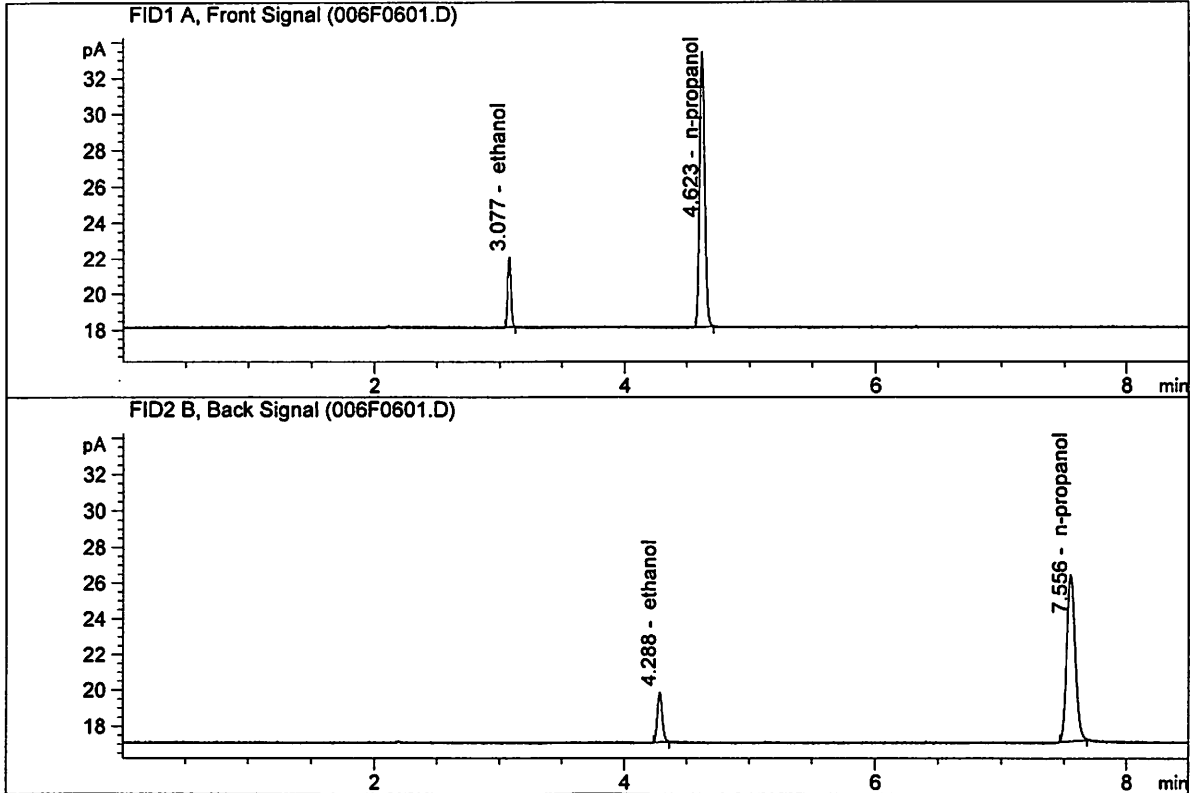
Sample Name : 0.08 FN10281510-A
 Laboratory : Meridian
 Injection Date : Jun 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.20581	0.0818	g/100cc
2.	Ethanol	Column 2:	7.43545	0.0827	g/100cc
3.	n-Propanol	Column 1:	43.17233	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.55367	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
 Laboratory : Meridian
 Injection Date : Jun 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.25385	0.0818	g/100cc
2.	Ethanol	Column 2:	7.48874	0.0829	g/100cc
3.	n-Propanol	Column 1:	43.41082	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.75357	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 21 Jun 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0763	0.0776	0.0013	0.0769	0.0766
(g/100cc)	0.0756	0.0772	0.0016	0.0764	

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

Reported Result	
0.076	

Calibration and control data are stored centrally.

Issued: 12/30/2016

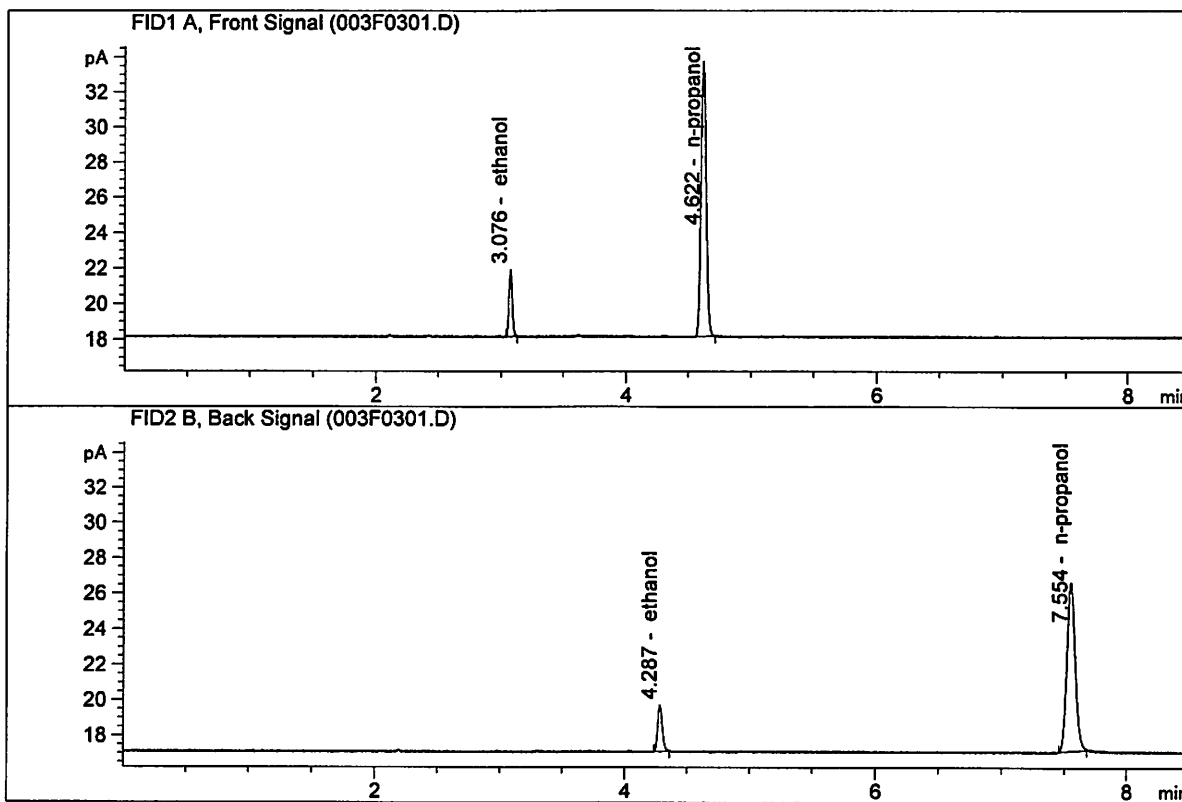
Volatiles BAC Calculation Spreadsheet Rev 4

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ISP Forensic Services Blood Alcohol Report

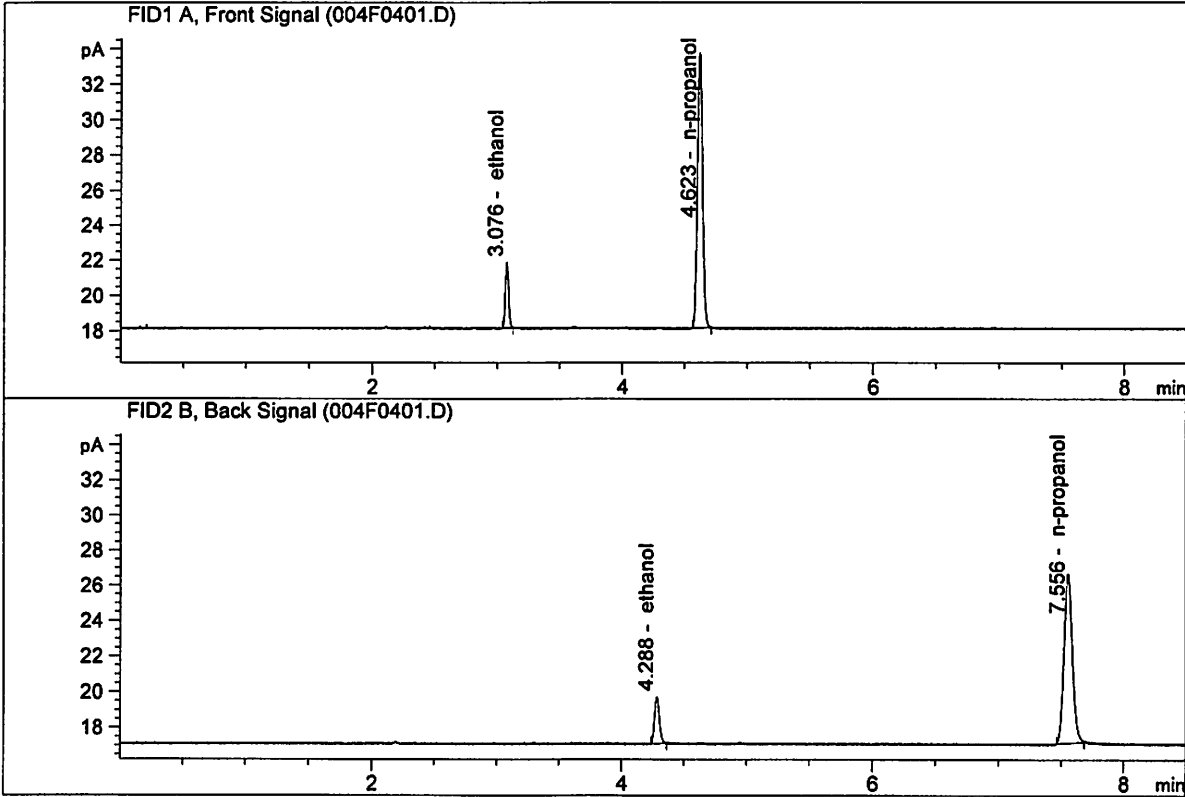
Sample Name : QC1-1-A
 Laboratory : Meridian
 Injection Date : Jun 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.87874	0.0763	g/100cc
2.	Ethanol	Column 2:	7.12829	0.0776	g/100cc
3.	n-Propanol	Column 1:	44.21241	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.72021	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Meridian
 Injection Date : Jun 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.82439	0.0756	g/100cc
2.	Ethanol	Column 2:	7.08457	0.0772	g/100cc
3.	n-Propanol	Column 1:	44.25015	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.71602	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 21 Jun 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2018	0.2018	0.0000	0.2018	0.2032	
(g/100cc)	0.2045	0.2049	0.0004	0.2047		

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.

Issued: 12/30/2016

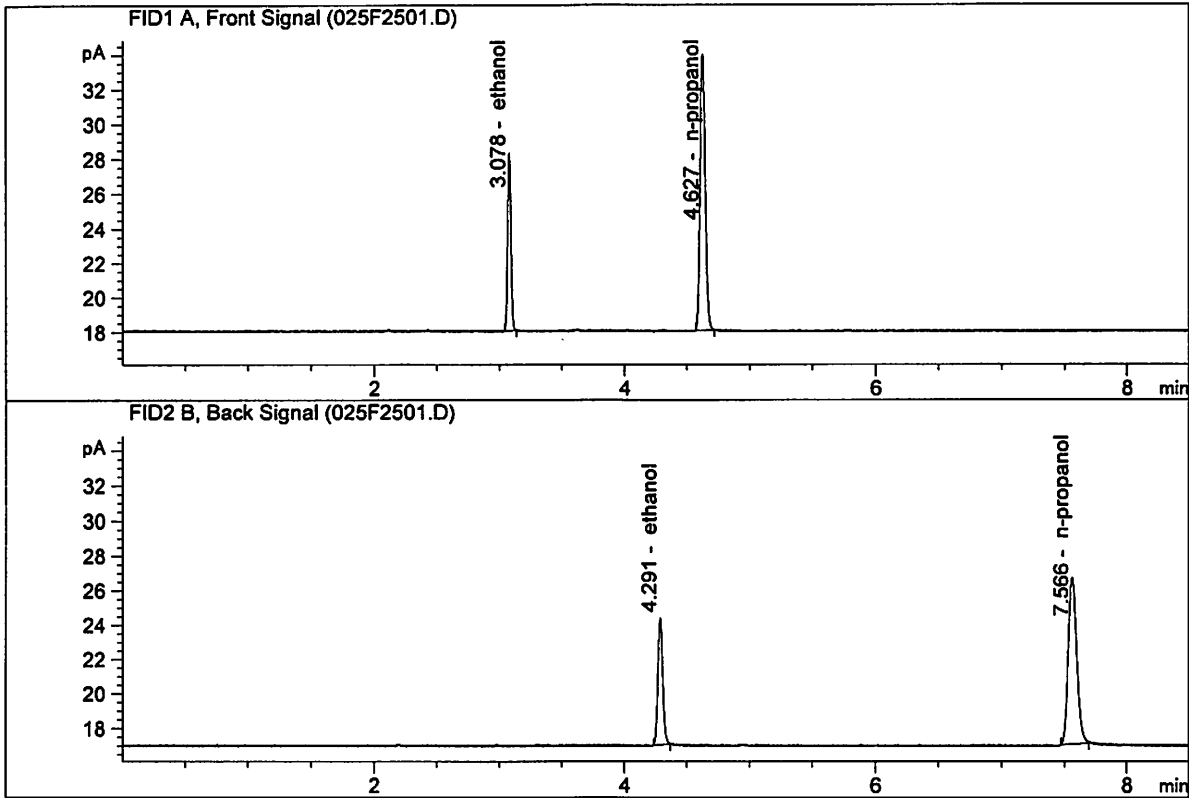
Volatiles BAC Calculation Spreadsheet Rev 4

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ISP Forensic Services Blood Alcohol Report

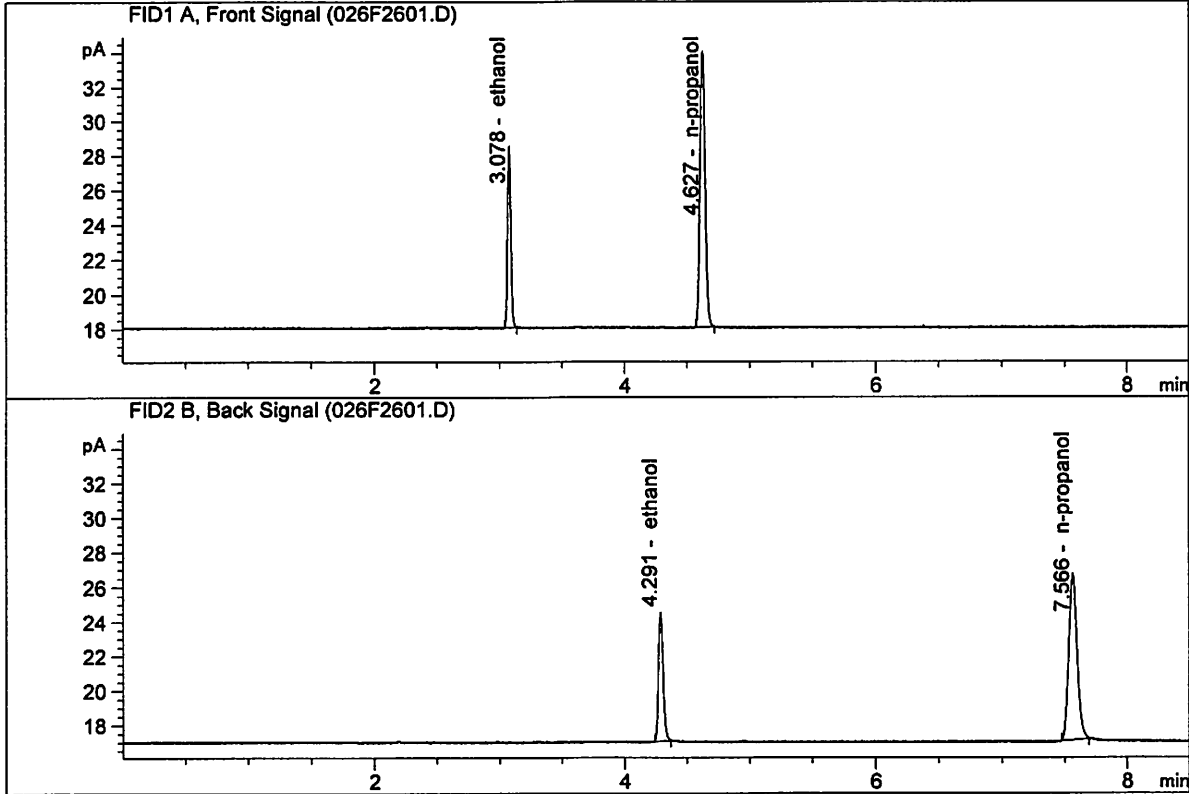
Sample Name : QC2-1-A
 Laboratory : Meridian
 Injection Date : Jun 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.80807	0.2018	g/100cc
2.	Ethanol	Column 2:	19.64871	0.2018	g/100cc
3.	n-Propanol	Column 1:	45.20401	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.45235	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Meridian
 Injection Date : Jun 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.16272	0.2045	g/100cc
2.	Ethanol	Column 2:	20.00675	0.2049	g/100cc
3.	n-Propanol	Column 1:	45.44698	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.56858	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 21 Jun 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0795	0.0811	0.0016	0.0803	0.0801	
(g/100cc)	0.0794	0.0805	0.0011	0.0799		

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

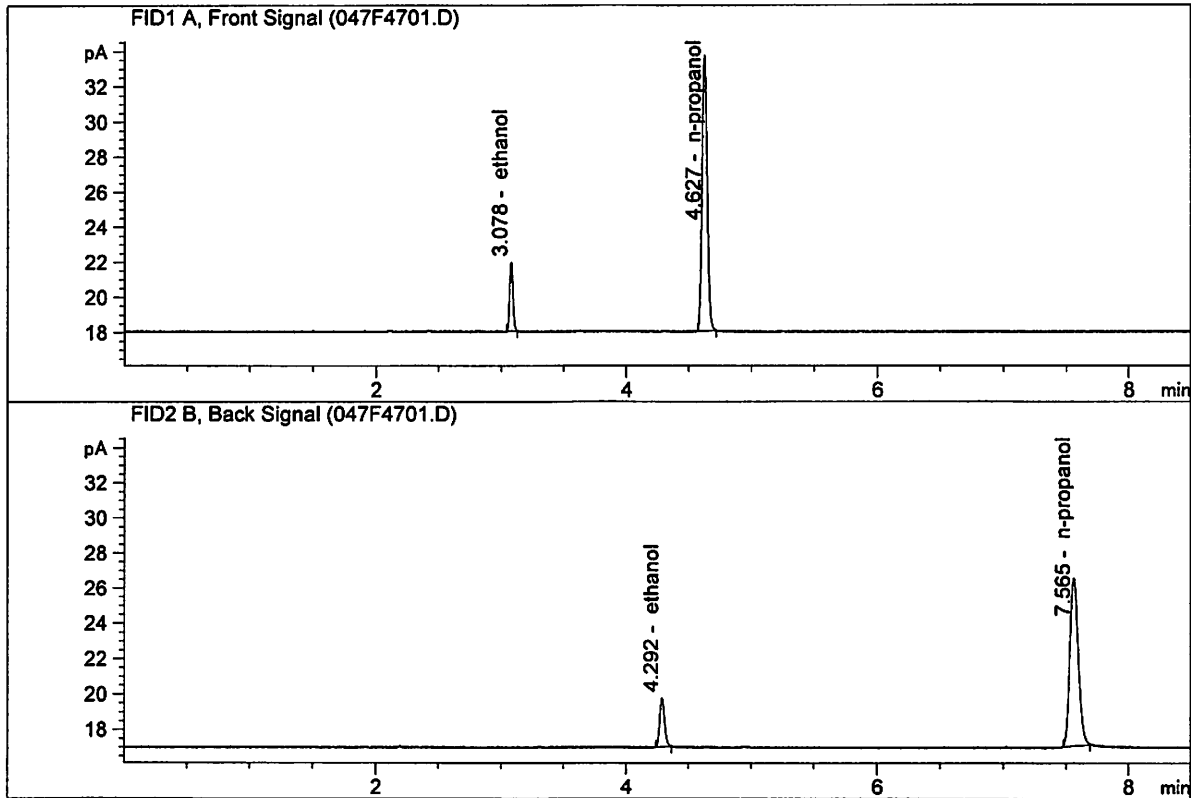
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

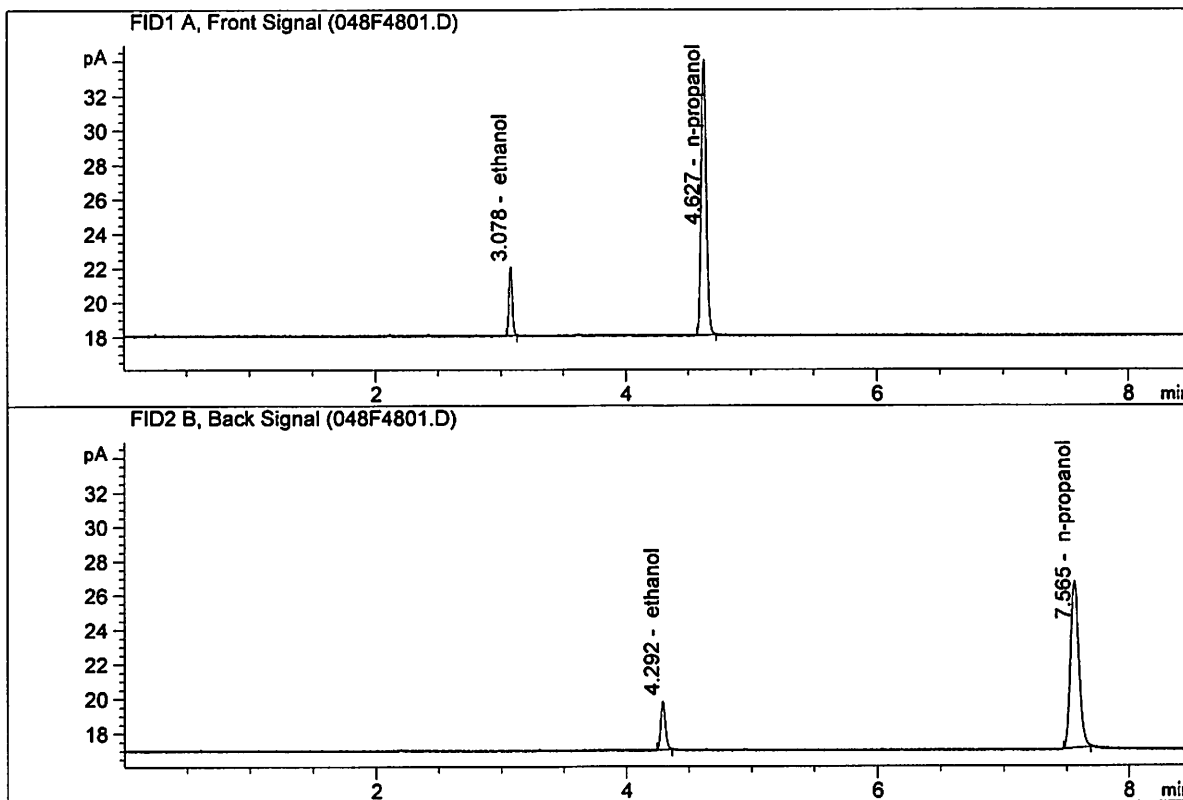
Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : Jun 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.21509	0.0795	g/100cc
2.	Ethanol	Column 2:	7.44533	0.0811	g/100cc
3.	n-Propanol	Column 1:	44.47821	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.54380	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : Jun 21, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.36147	0.0794	g/100cc
2.	Ethanol	Column 2:	7.54302	0.0805	g/100cc
3.	n-Propanol	Column 1:	45.45128	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.52086	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2

Analysis Date(s): 22 Jun 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2133	0.2141	0.0008	0.2137	0.2135	
(g/100cc)	0.2131	0.2137	0.0006	0.2134		

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
0.213	0.202	0.224	0.011

	Reported Result 0.213	
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Calibration and control data are stored centrally.

Issued: 12/30/2016

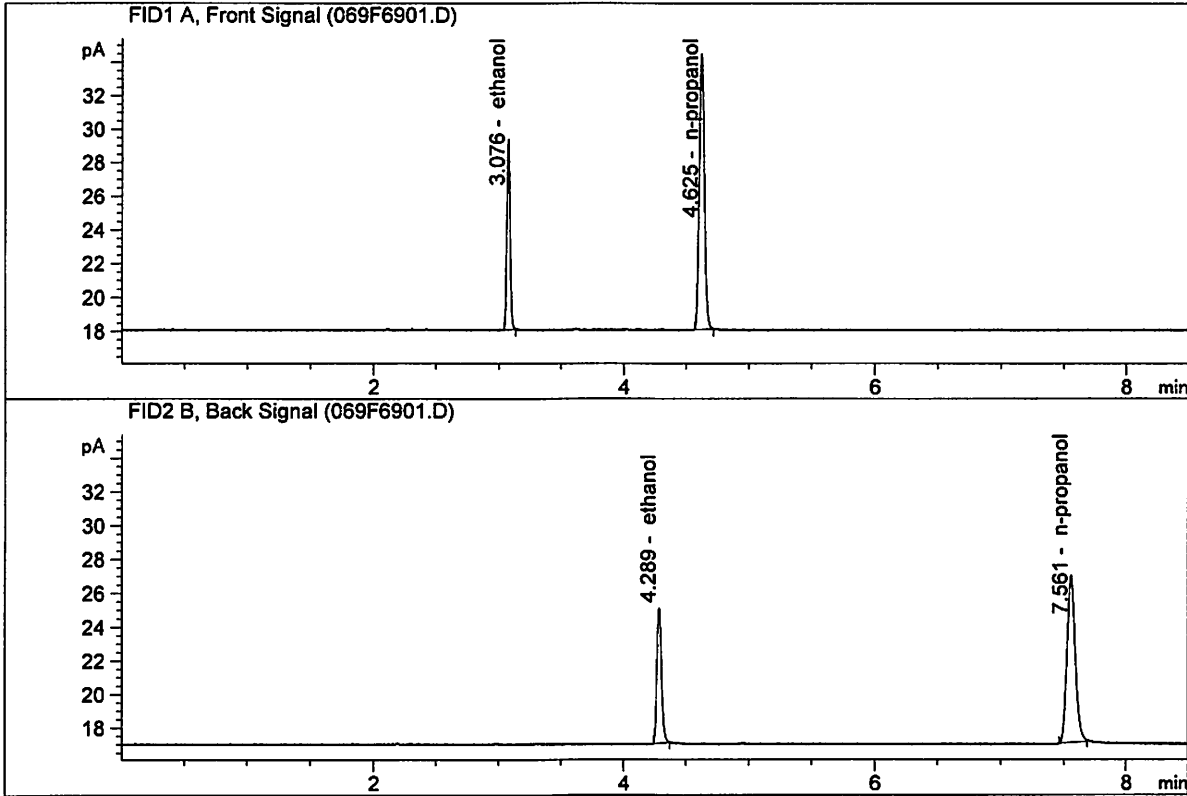
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

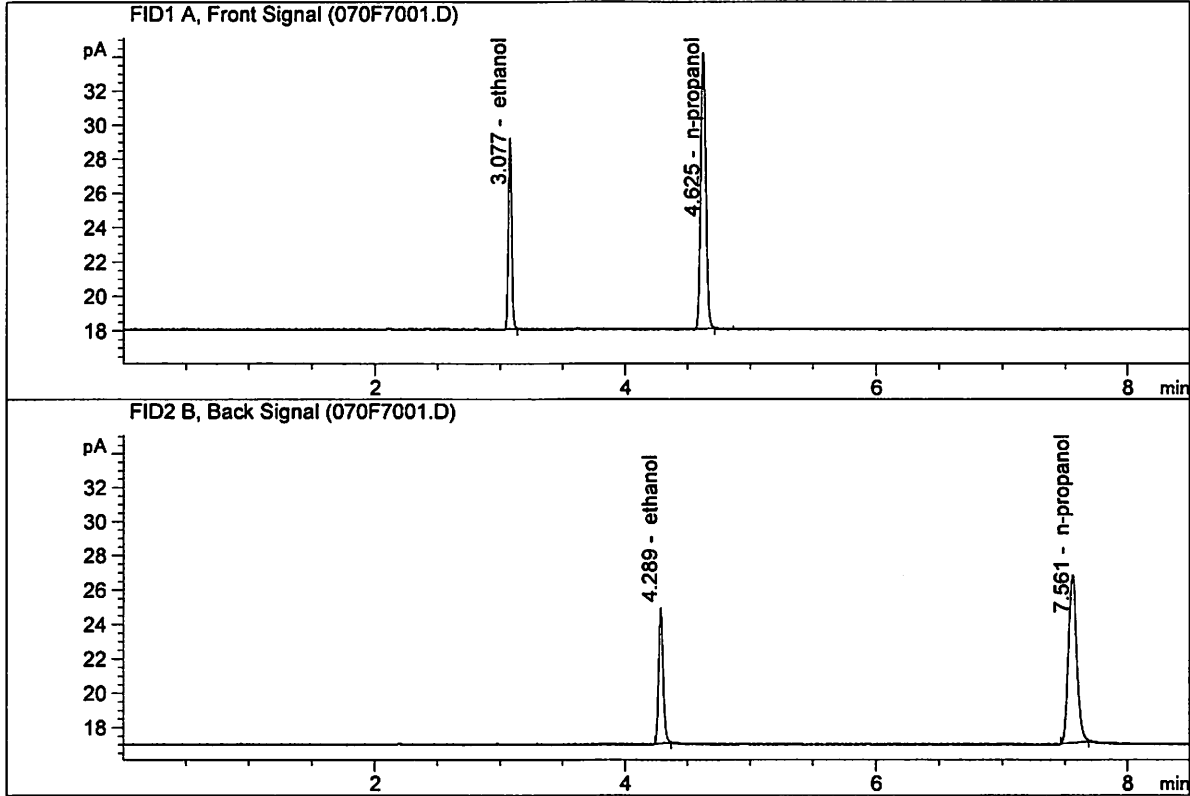
Sample Name : QC2-2-A
 Laboratory : Meridian
 Injection Date : Jun 22, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	20.44867	0.2133	g/100cc
2.	Ethanol	Column 2:	21.38012	0.2141	g/100cc
3.	n-Propanol	Column 1:	46.47896	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.57144	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

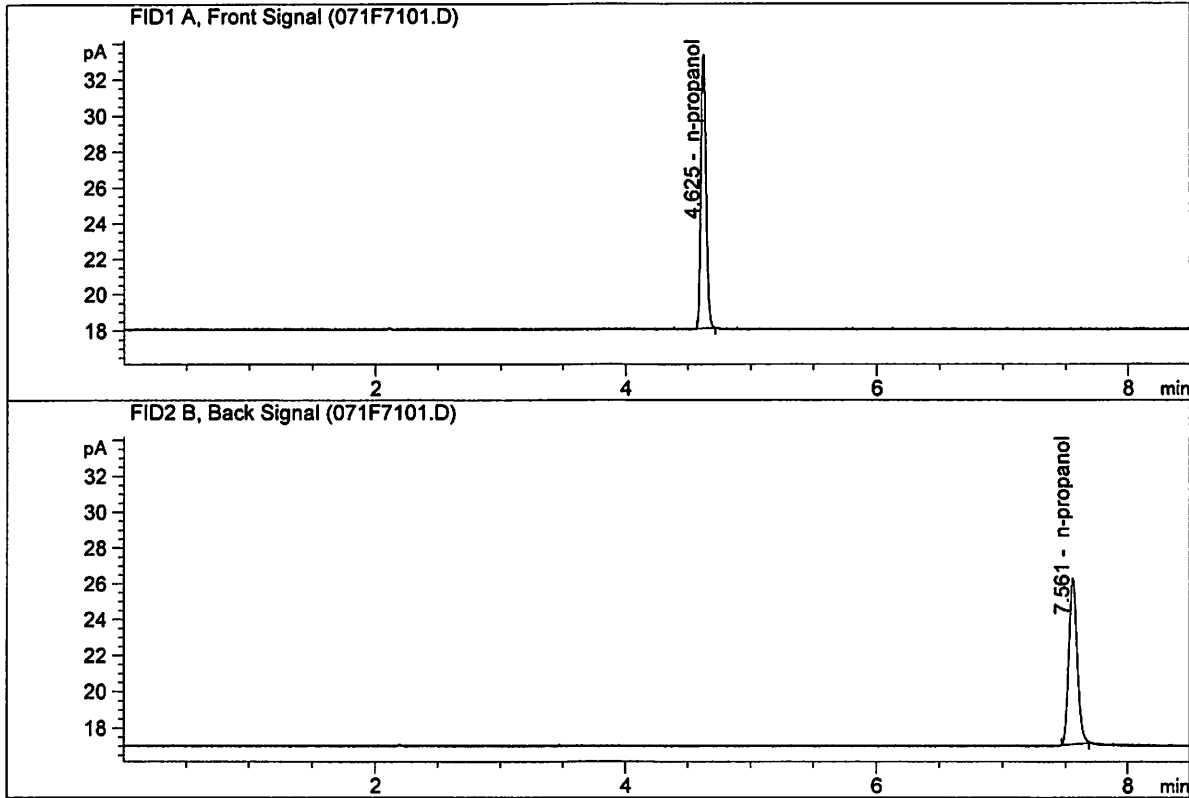
Sample Name : QC2-2-B
 Laboratory : Meridian
 Injection Date : Jun 22, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	20.11950	0.2131	g/100cc
2.	Ethanol	Column 2:	20.99864	0.2137	g/100cc
3.	n-Propanol	Column 1:	45.77882	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.82384	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Jun 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:	43.22369	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.17190	1.0000	g/100cc

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

Sequence table: C:\Chem32\1\Data\06-21-18_SAMPLES\06-21-18_SAMPLES 2018-06-21 15-02-15\06-21-18_SAMPLES.S
 Data directory path: C:\Chem32\1\Data\06-21-18_SAMPLES\06-21-18_SAMPLES 2018-06-21 15-02-15\
 Logbook: C:\Chem32\1\Data\06-21-18_SAMPLES\06-21-18_SAMPLES 2018-06-21 15-02-15\06-21-18_SAMPLES.LOG
 Sequence start: 6/21/2018 3:17:07 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\06-21-18_SAMPLES\06-21-18_SAMPLES 2018-06-21 15-02-15\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 FN10281510-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN10281510-	-	1.0000	006F0601.D		4
7	7	1	M2018-2894-1-A	-	1.0000	007F0701.D		4
8	8	1	M2018-2894-1-B	-	1.0000	008F0801.D		4
9	9	1	M2018-2932-1-A	-	1.0000	009F0901.D		4
10	10	1	M2018-2932-1-B	-	1.0000	010F1001.D		4
11	11	1	M2018-2933-1-A	-	1.0000	011F1101.D		6
12	12	1	M2018-2933-1-B	-	1.0000	012F1201.D		6
13	13	1	M2018-2955-1-A	-	1.0000	013F1301.D		4
14	14	1	M2018-2955-1-B	-	1.0000	014F1401.D		4
15	15	1	M2018-2968-1-A	-	1.0000	015F1501.D		6
16	16	1	M2018-2968-1-B	-	1.0000	016F1601.D		6
17	17	1	M2018-2976-1-A	-	1.0000	017F1701.D		4
18	18	1	M2018-2976-1-B	-	1.0000	018F1801.D		4
19	19	1	M2018-2977-1-A	-	1.0000	019F1901.D		2
20	20	1	M2018-2977-1-B	-	1.0000	020F2001.D		2
21	21	1	M2018-2978-1-A	-	1.0000	021F2101.D		4
22	22	1	M2018-2978-1-B	-	1.0000	022F2201.D		4
23	23	1	M2018-2991-3-A	-	1.0000	023F2301.D		4
24	24	1	M2018-2991-3-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	M2018-2995-1-A	-	1.0000	027F2701.D		4
28	28	1	M2018-2995-1-B	-	1.0000	028F2801.D		4
29	29	1	M2018-2996-1-A	-	1.0000	029F2901.D		4
30	30	1	M2018-2996-1-B	-	1.0000	030F3001.D		5
31	31	1	M2018-2997-1-A	-	1.0000	031F3101.D		4
32	32	1	M2018-2997-1-B	-	1.0000	032F3201.D		4
33	33	1	M2018-2998-1-A	-	1.0000	033F3301.D		4
34	34	1	M2018-2998-1-B	-	1.0000	034F3401.D		4
35	35	1	M2018-3002-1-A	-	1.0000	035F3501.D		4
36	36	1	M2018-3002-1-B	-	1.0000	036F3601.D		4
37	37	1	M2018-3003-1-A	-	1.0000	037F3701.D		4
38	38	1	M2018-3003-1-B	-	1.0000	038F3801.D		4
39	39	1	M2018-3045-2-A	-	1.0000	039F3901.D		6
40	40	1	M2018-3045-2-B	-	1.0000	040F4001.D		6
41	41	1	M2018-3046-1-A	-	1.0000	041F4101.D		4
42	42	1	M2018-3046-1-B	-	1.0000	042F4201.D		4
43	43	1	M2018-3051-1-A	-	1.0000	043F4301.D		4

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Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
44	44	1	M2018-3051-1-B	-	1.0000	044F4401.D		4
45	45	1	M2018-3052-1-A	-	1.0000	045F4501.D		4
46	46	1	M2018-3052-1-B	-	1.0000	046F4601.D		4
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	M2018-3059-1-A	-	1.0000	049F4901.D		2
50	50	1	M2018-3049-1-B <i>3059</i>	-	1.0000	050F5001.D		2
51	51	1	M2018-3060-1-A	-	1.0000	051F5101.D		4
52	52	1	M2018-3060-1-B	-	1.0000	052F5201.D		4
53	53	1	M2018-3061-1-A	-	1.0000	053F5301.D		2
54	54	1	M2018-3061-1-B	-	1.0000	054F5401.D		2
55	55	1	M2018-3078-1-A	-	1.0000	055F5501.D		4
56	56	1	M2018-3078-1-B	-	1.0000	056F5601.D		4
57	57	1	M2018-3080-1-A	-	1.0000	057F5701.D		4
58	58	1	M2018-3080-1-B	-	1.0000	058F5801.D		4
59	59	1	M2018-3084-1-A	-	1.0000	059F5901.D		4
60	60	1	M2018-3084-1-B	-	1.0000	060F6001.D		4
61	61	1	P2018-1645-1-A	-	1.0000	061F6101.D		4
62	62	1	P2018-1645-1-B	-	1.0000	062F6201.D		4
63	63	1	P2018-1672-1-A	-	1.0000	063F6301.D		2
64	64	1	P2018-1672-1-B	-	1.0000	064F6401.D		2
65	65	1	P2018-1745-1-A <i>2</i>	-	1.0000	065F6501.D		4
66	66	1	P2018-1745-1-B <i>2</i>	-	1.0000	066F6601.D		4
67	67	1	P2018-1748-1-A	-	1.0000	067F6701.D		4
68	68	1	P2018-1748-1-B	-	1.0000	068F6801.D		4
69	69	1	QC2-2-A	-	1.0000	069F6901.D		4
70	70	1	QC2-2-B	-	1.0000	070F7001.D		4
71	71	1	INTERNAL STD BLK	-	1.0000	071F7101.D		2

Method file name: C:\Chem32\1\Data\06-21-18_SAMPLES\06-21-18_SAMPLES 2018-06-21 15-02-15 \SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
72	72	1	EMPTY	-	1.0000	072F7201.D		0

JG

=====
Calibration Table
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General Calibration Setting

Calib. Data Modified : Wednesday, June 13, 2018 3:47:18 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

J6

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	4.60181	1.08653e-2	No	No 1	ethanol
		2	1.00000e-1	9.12236	1.09621e-2			
		3	2.00000e-1	18.48414	1.08201e-2			
		4	3.00000e-1	27.98400	1.07204e-2			
		5	5.00000e-1	46.19414	1.08239e-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	4.73867	1.05515e-2	No	No 2	ethanol
		2	1.00000e-1	9.42743	1.06073e-2			
		3	2.00000e-1	19.26261	1.03828e-2			
		4	3.00000e-1	29.31309	1.02343e-2			
		5	5.00000e-1	48.83355	1.02389e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	44.90159	2.22709e-2	No	Yes 1	n-propanol
		2	1.00000	44.67267	2.23851e-2			
		3	1.00000	44.74389	2.23494e-2			
		4	1.00000	45.38518	2.20336e-2			
		5	1.00000	44.55812	2.24426e-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	46.92032	2.13127e-2	No	Yes 2	n-propanol
		2	1.00000	46.23355	2.16293e-2			
		3	1.00000	46.14421	2.16712e-2			
		4	1.00000	46.77221	2.13802e-2			
		5	1.00000	45.70259	2.18806e-2			

Peak Sum Table

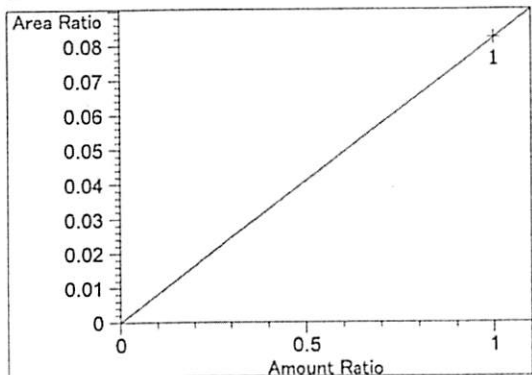
No Entries in table

41 Warnings or Errors (10 first messages follow) :

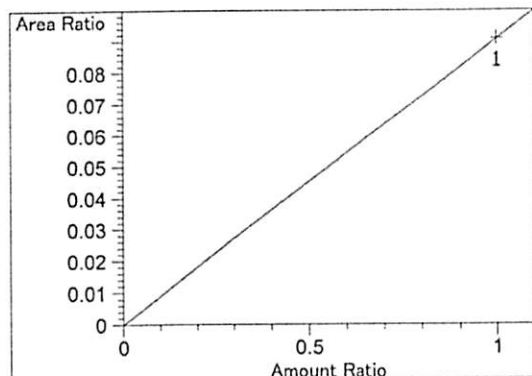
- Warning : Curve requires more calibration points., (methanol)
- Warning : Curve requires more calibration points. at 2.586 min, signal 1
- Warning : Curve requires more calibration points. at 2.809 min, signal 1
- Warning : Curve requires more calibration points. at 2.977 min, signal 2
- Warning : 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

16

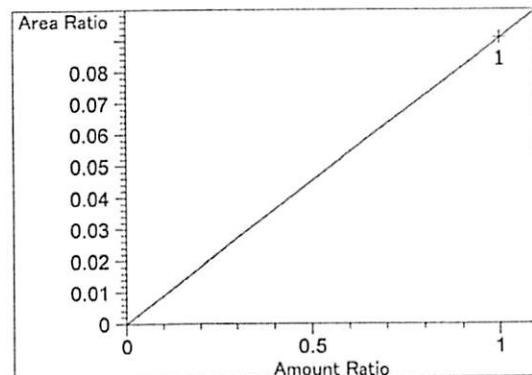
=====
 Calibration Curves
 =====



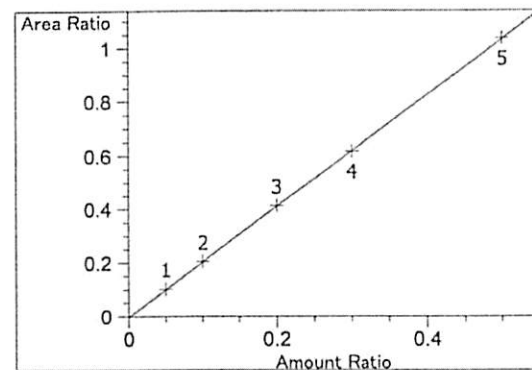
methanol at exp. RT: 2.586
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.23288e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



Acetaldehyde at exp. RT: 2.809
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 9.08135e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

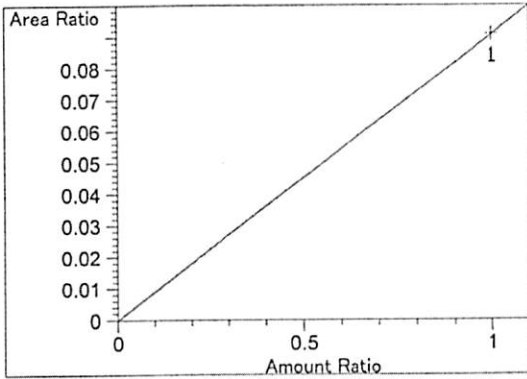


Acetaldehyde at exp. RT: 2.977
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 9.08135e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

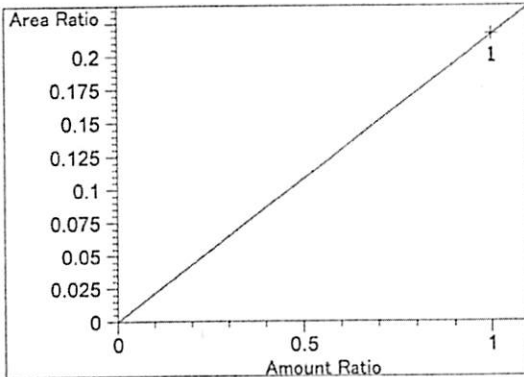


ethanol at exp. RT: 3.075
 FID1 A, Front Signal
 Correlation: 0.99998
 Residual Std. Dev.: 0.00238
 Formula: $y = mx + b$
 m: 2.07568
 b: -2.78554e-3
 x: Amount Ratio
 y: Area Ratio

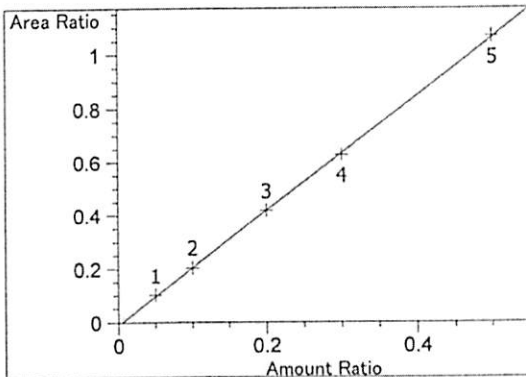
JK



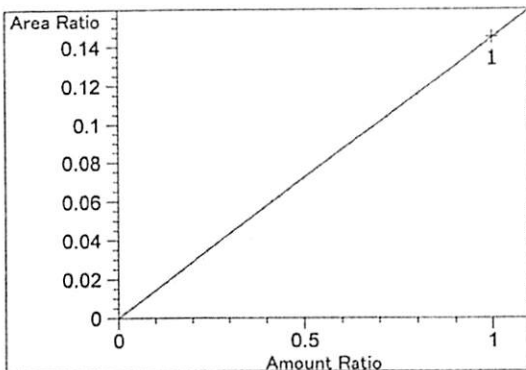
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 9.08055e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 2.16708e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

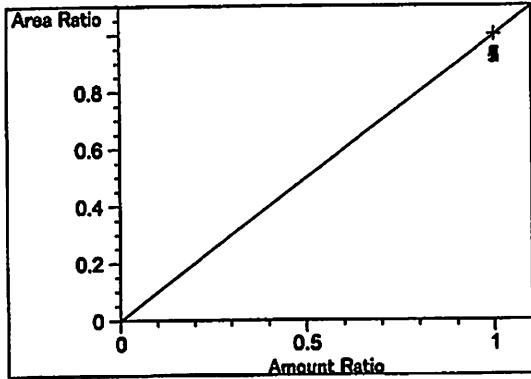


ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99992
Residual Std. Dev.: 0.00565
Formula: $y = mx + b$
m: 2.14966
b: -1.09080e-2
x: Amount Ratio
y: Area Ratio

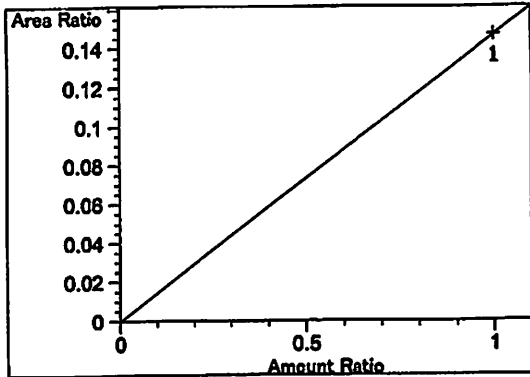


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.44748e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

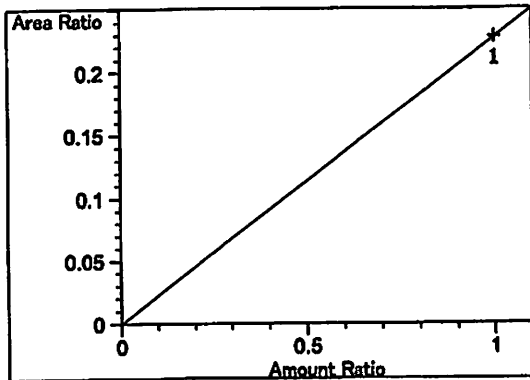
JK



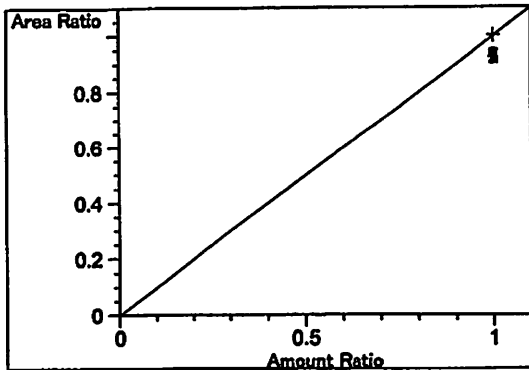
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.46909e-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: 2.28183e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



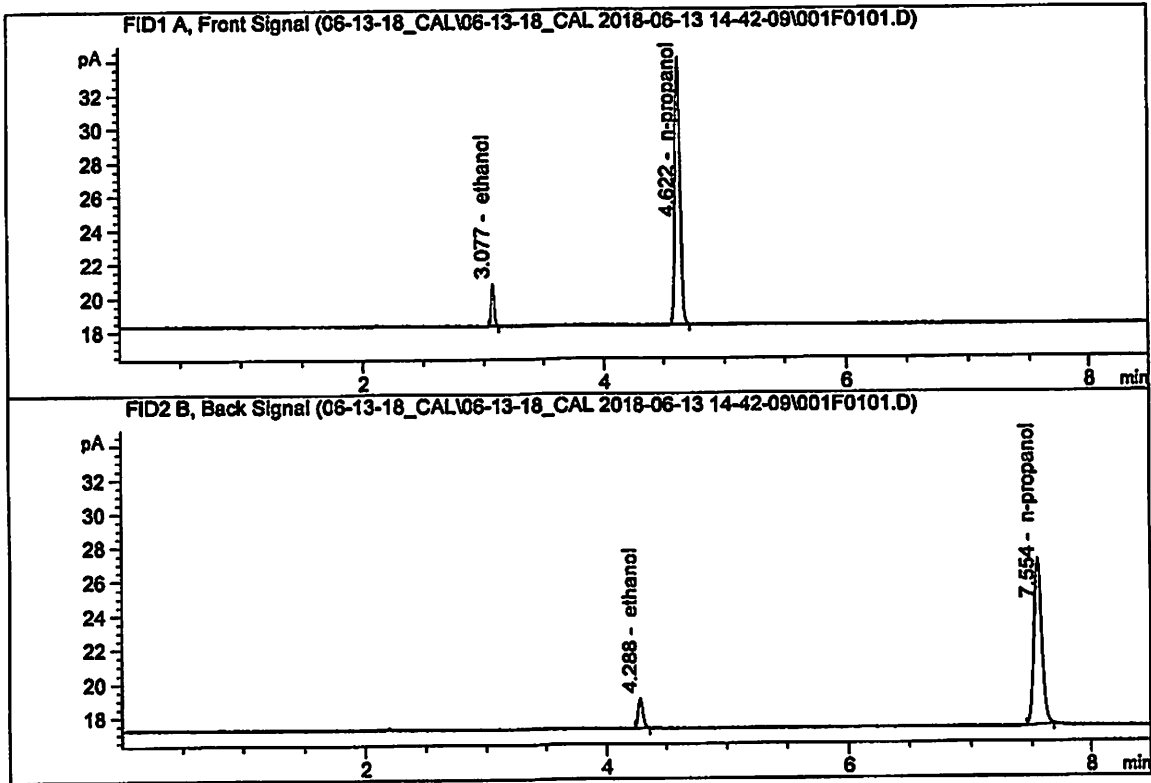
n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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ISP Forensic Services Blood Alcohol Report

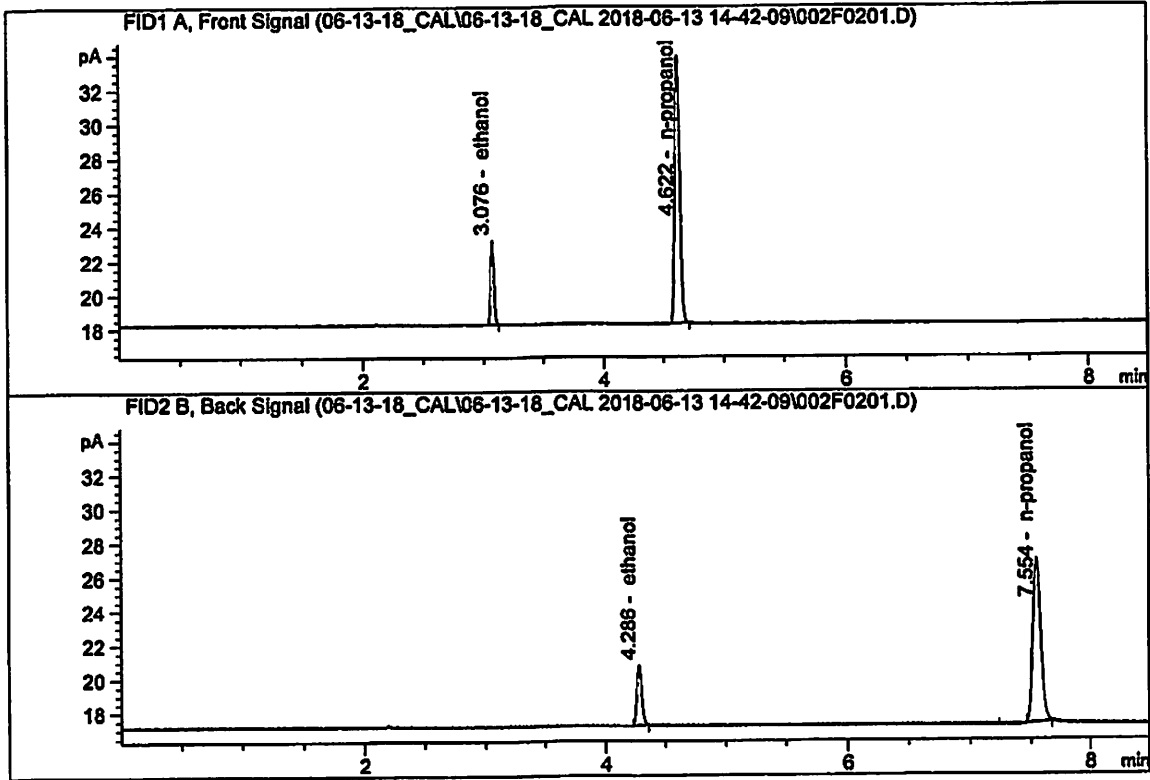
Sample Name : 0.050 FN06231406
 Laboratory : Meridian
 Injection Date : Jun 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.60181	0.0507	g/100cc
2.	Ethanol	Column 2:	4.73867	0.0521	g/100cc
3.	n-Propanol	Column 1:	44.90159	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.92032	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN06181501
 Laboratory : Meridian
 Injection Date : Jun 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

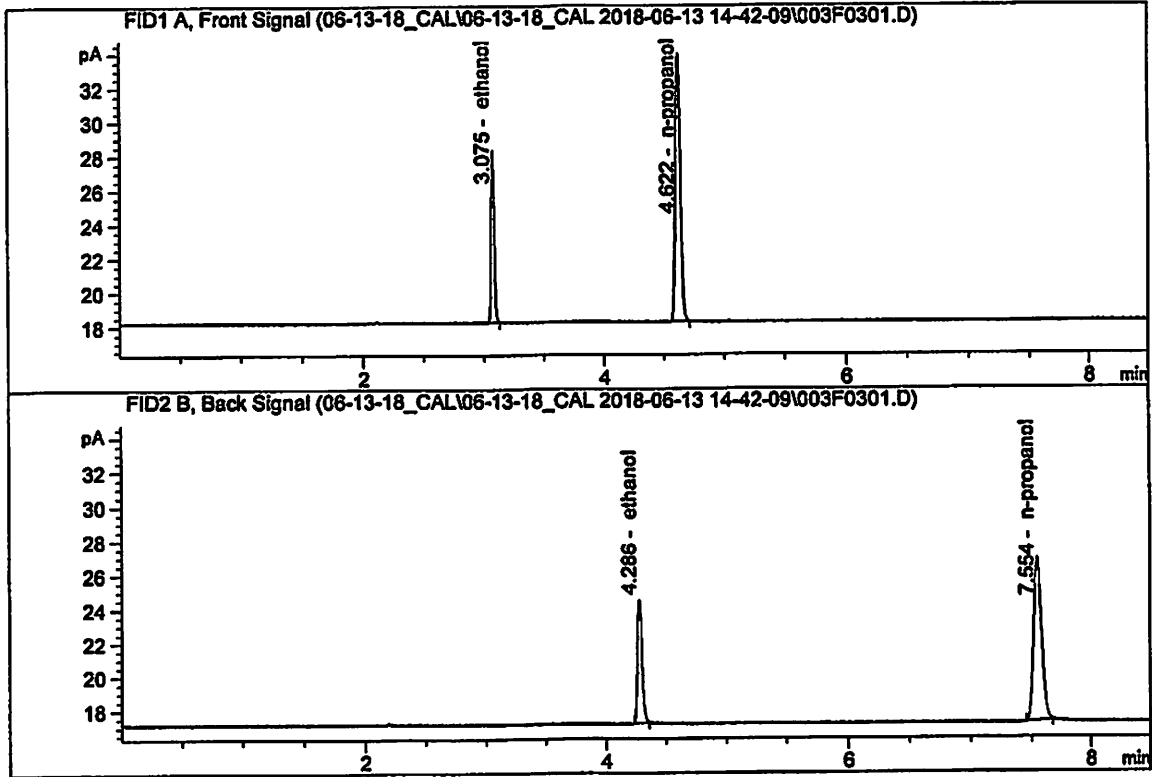


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.12236	0.0997	g/100cc
2.	Ethanol	Column 2:	9.42743	0.0999	g/100cc
3.	n-Propanol	Column 1:	44.67267	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.23355	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

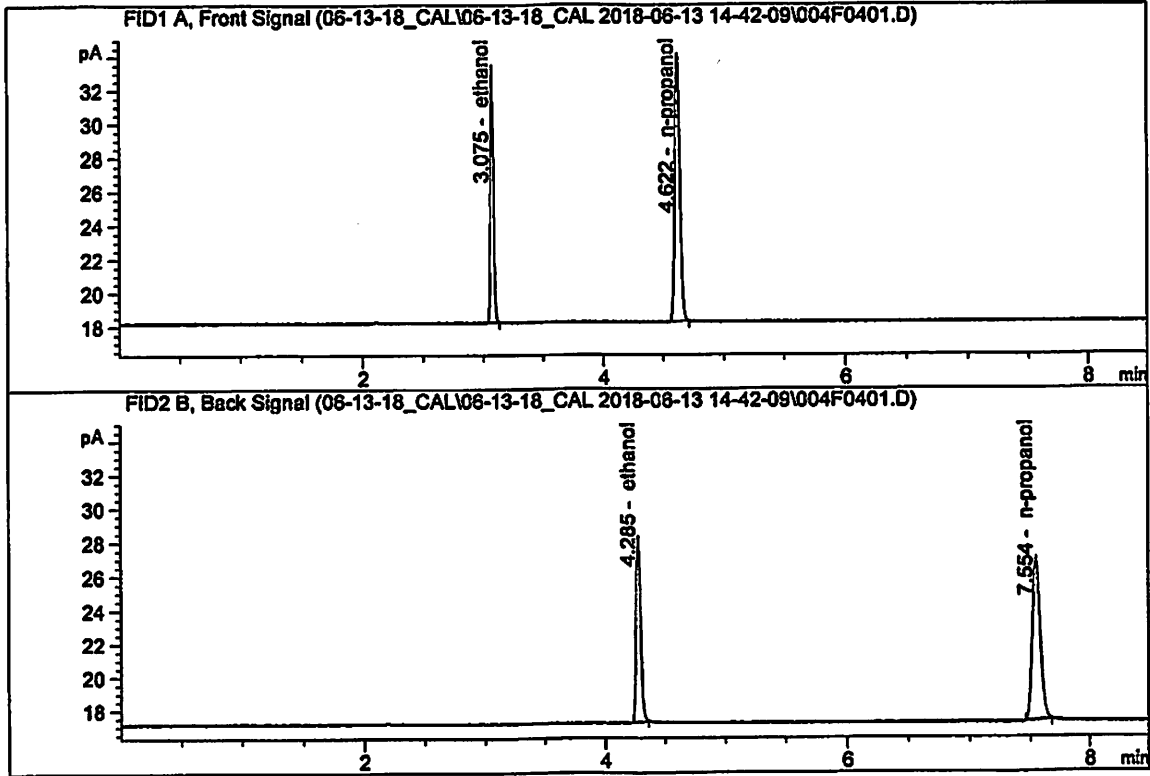
Sample Name : 0.200 FN03301601
 Laboratory : Meridian
 Injection Date : Jun 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.48414	0.2004	g/100cc
2.	Ethanol	Column 2:	19.26261	0.1993	g/100cc
3.	n-Propanol	Column 1:	44.74389	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.14421	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN02121601
 Laboratory : Meridian
 Injection Date : Jun 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

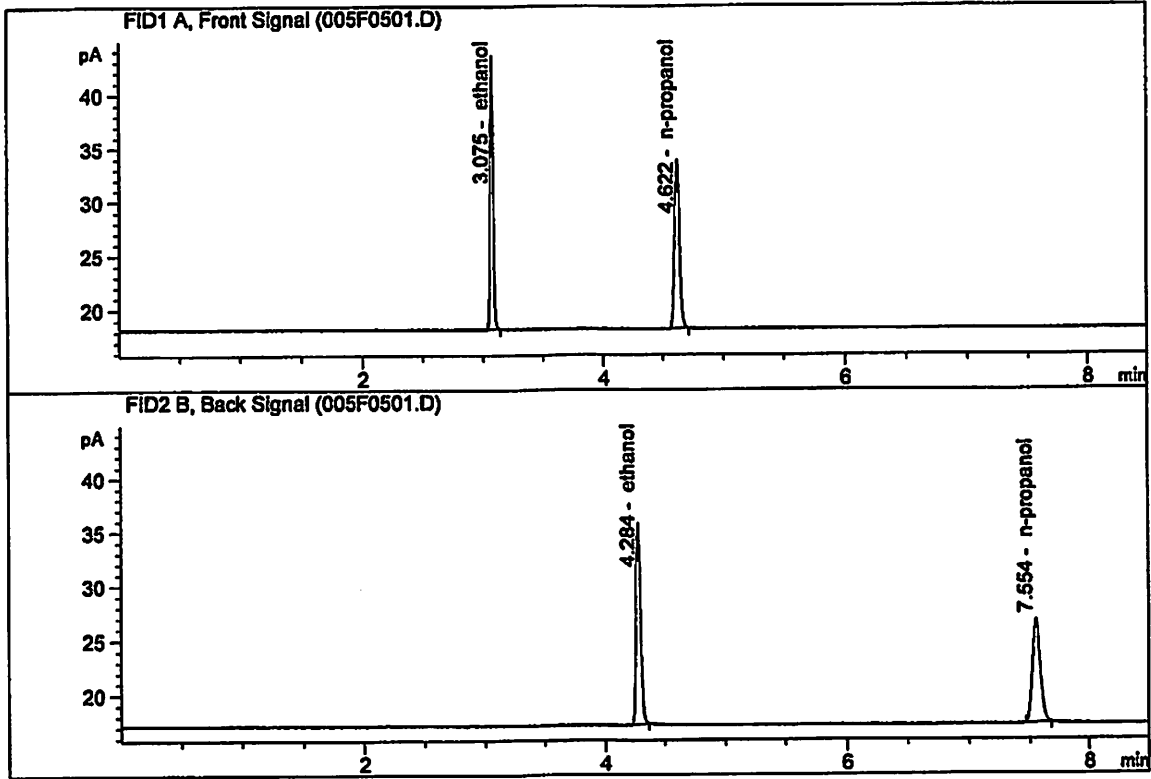


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.98400	0.2984	g/100cc
2.	Ethanol	Column 2:	29.31309	0.2966	g/100cc
3.	n-Propanol	Column 1:	45.38518	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.77221	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

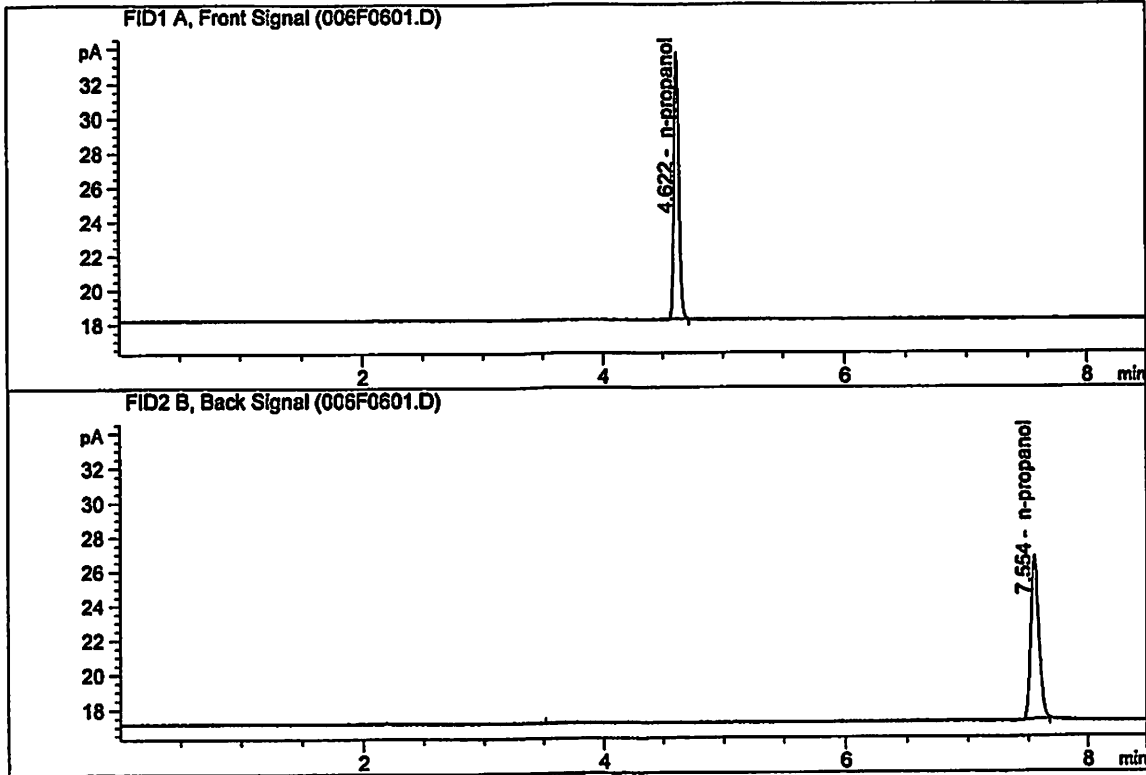
Sample Name : 0.500 FN08031602
 Laboratory : Meridian
 Injection Date : Jun 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.19414	0.5008	g/100cc
2.	Ethanol	Column 2:	48.83355	0.5021	g/100cc
3.	n-Propanol	Column 1:	44.55812	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.70259	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : Jun 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:	44.10706	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.36498	1.0000	g/100cc

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

Sequence table: C:\Chem32\1\Data\06-13-18_CAL\06-13-18_CAL 2018-06-13 14-42-09\06-13-18_CAL.S
 Data directory path: C:\Chem32\1\Data\06-13-18_CAL\06-13-18_CAL 2018-06-13 14-42-09\
 Logbook: C:\Chem32\1\Data\06-13-18_CAL\06-13-18_CAL 2018-06-13 14-42-09\06-13-18_CAL.LOG
 Sequence start: 6/13/2018 2:56:46 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\06-13-18_CAL\06-13-18_CAL 2018-06-13 14-42-09\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 FN06181501	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN03301601	-	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