

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): ext: 8/16/18
calibration: 8/15/18

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0810 g/100cc 0.0846 g/100cc g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2084 g/100cc g/100cc
Multi-Component mixture:		Exp date: Sept 2020	Lot #	FN06041502	OK
Curve Fit:		Column 1	Column 2	1.00000	0.99991

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	0.0505	0.0526	0.0021	0.0515
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Aug-21	FN08101601	0.100	0.090 - 0.110	0.0999	0.1001	0.0002	0.1
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1993	0.1977	0.0016	0.1985
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3001	0.2974	0.0027	0.2987
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5002	0.5022	0.002	0.5012

Aqueous Controls

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

Issued: 4/22/2015

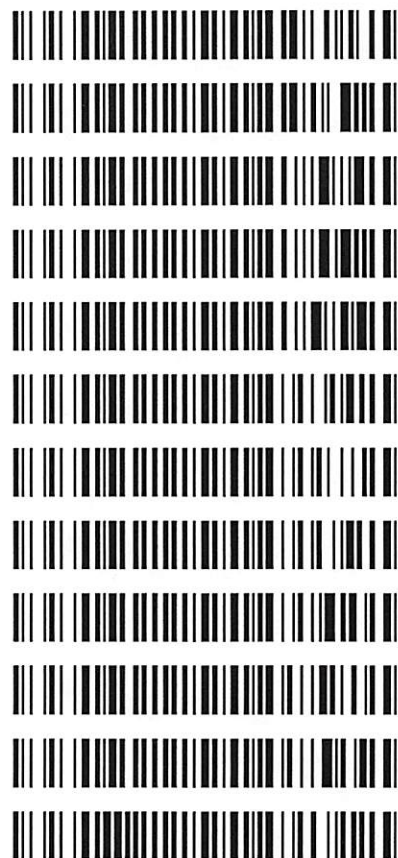
~Any information on this document can be changed for laboratory use, except for the precision and mean determination formulas.

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

Worklist: 2644

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2018-3988	1	123630	Alcohol Analysis
M2018-3989	1	123632	Alcohol Analysis
M2018-4068	1	123945	Alcohol Analysis
M2018-4069	1	123949	Alcohol Analysis
M2018-4070	1	123950	Alcohol Analysis
M2018-4075	1	124065	Alcohol Analysis
M2018-4076	1	124067	Alcohol Analysis
M2018-4077	1	124071	Alcohol Analysis
M2018-4079	1	124095	Alcohol Analysis
M2018-4090	1	124178	Alcohol Analysis
M2018-4101	1	124234	Alcohol Analysis
P2018-2287	2	124078	Alcohol Analysis



NB

The following cases were originally extracted on 8/15/18 (see WORKLIST2642.pdf)

M2018-3988-1

M2018-3989-1

M2018-4068-1

M2018-4069-1

M2018-4070-1

M2018-4075-1

M2018-4076-1

M2018-4077-1

M2018-4079-1

M2018-4090-1

M2018-4101-1

P2018-2287-2

The sequence stopped prior to the cases being injected into GCMS. (no data)

Cases were re-extracted: 8/16/18

MBradley 8/16/18

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 16 Aug 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0801	0.0815	0.0014	0.0808	0.0810	
(g/100cc)	0.0807	0.0820	0.0013	0.0813		

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
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

NB

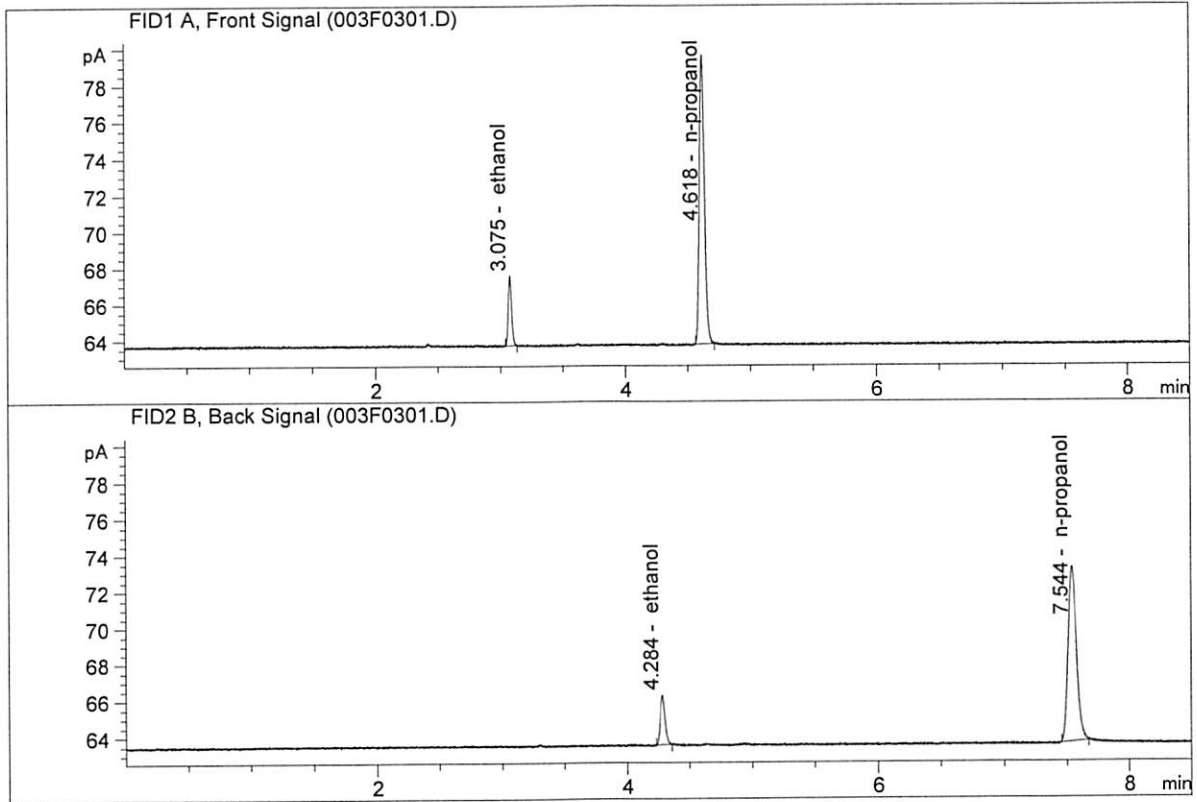
Issued: 12/30/2016

Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

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

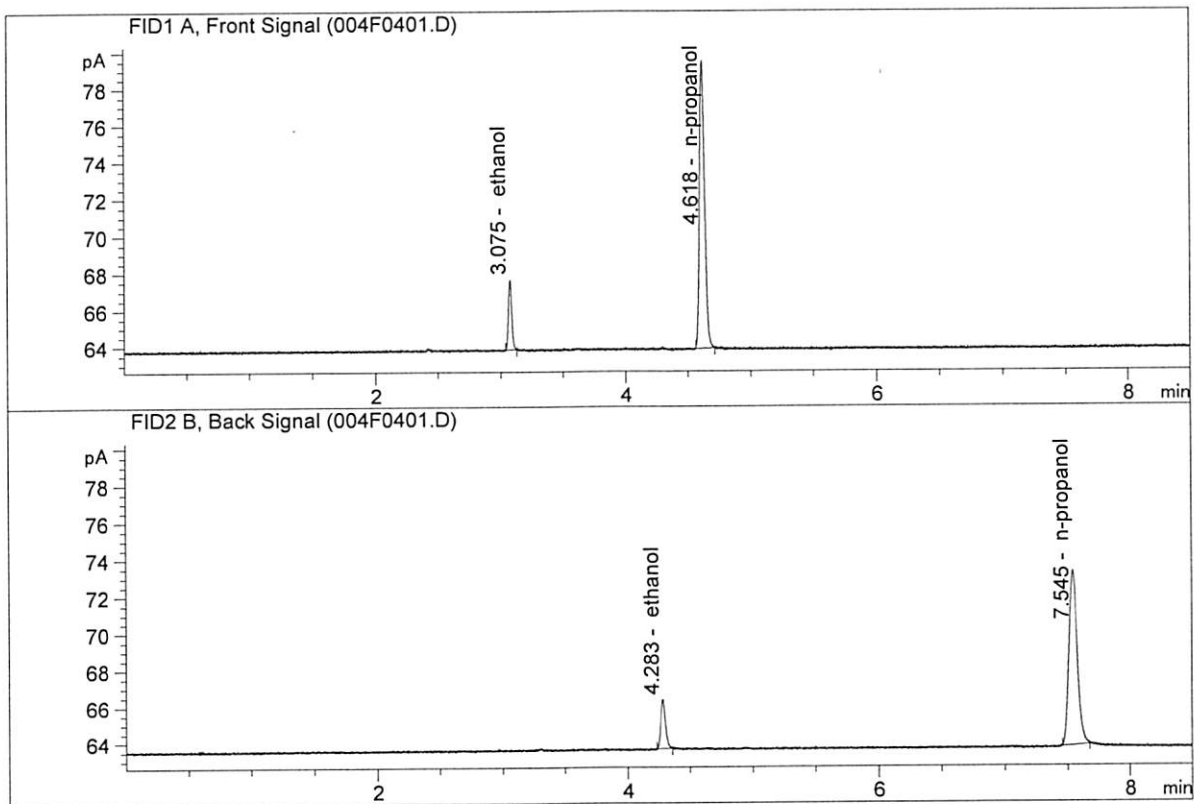


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.12467	0.0801	g/100cc
2.	Ethanol	Column 2:	7.30028	0.0815	g/100cc
3.	n-Propanol	Column 1:	45.08638	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.10696	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.10950	0.0807	g/100cc
2.	Ethanol	Column 2:	7.28829	0.0820	g/100cc
3.	n-Propanol	Column 1:	44.69238	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.70265	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 16 Aug 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0829	0.0851	0.0022	0.0840	0.0846	
(g/100cc)	0.0848	0.0858	0.0010	0.0853		

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
0.084	0.079	0.089	0.005

	Reported Result 0.084	
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Calibration and control data are stored centrally.



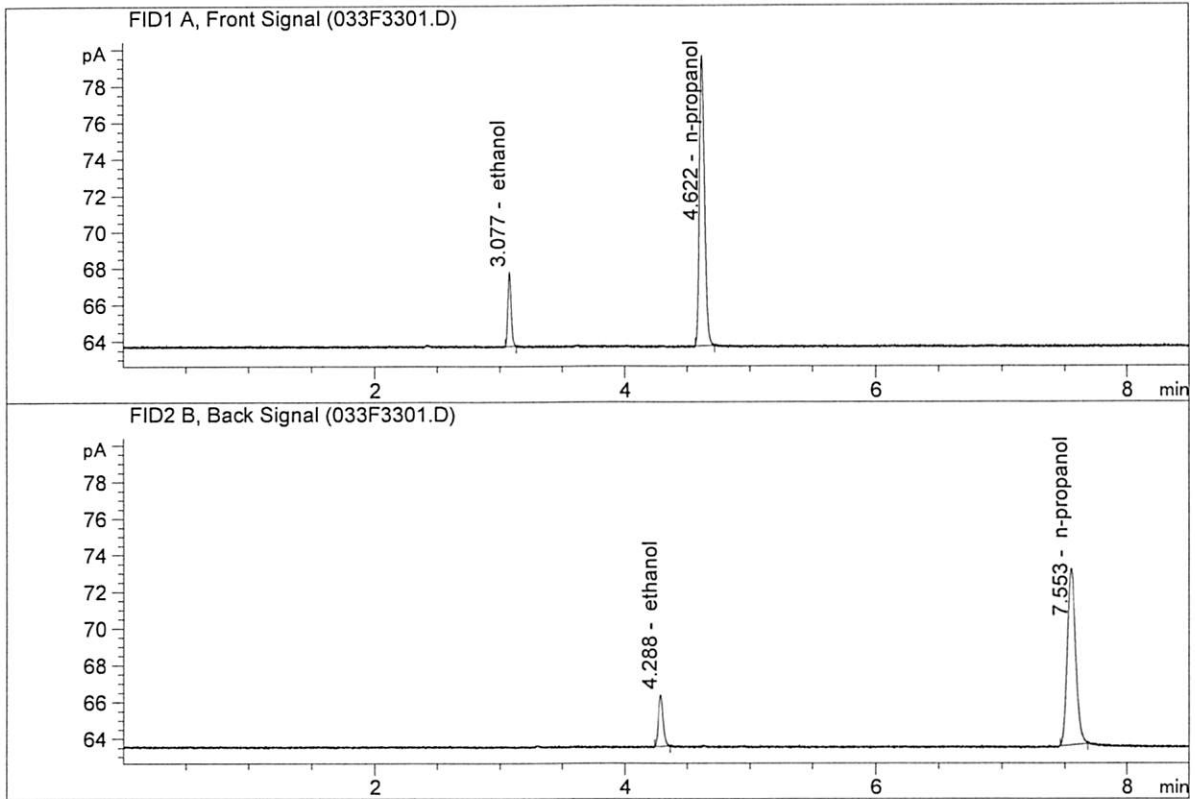
Issued: 12/30/2016

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 : Aug 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

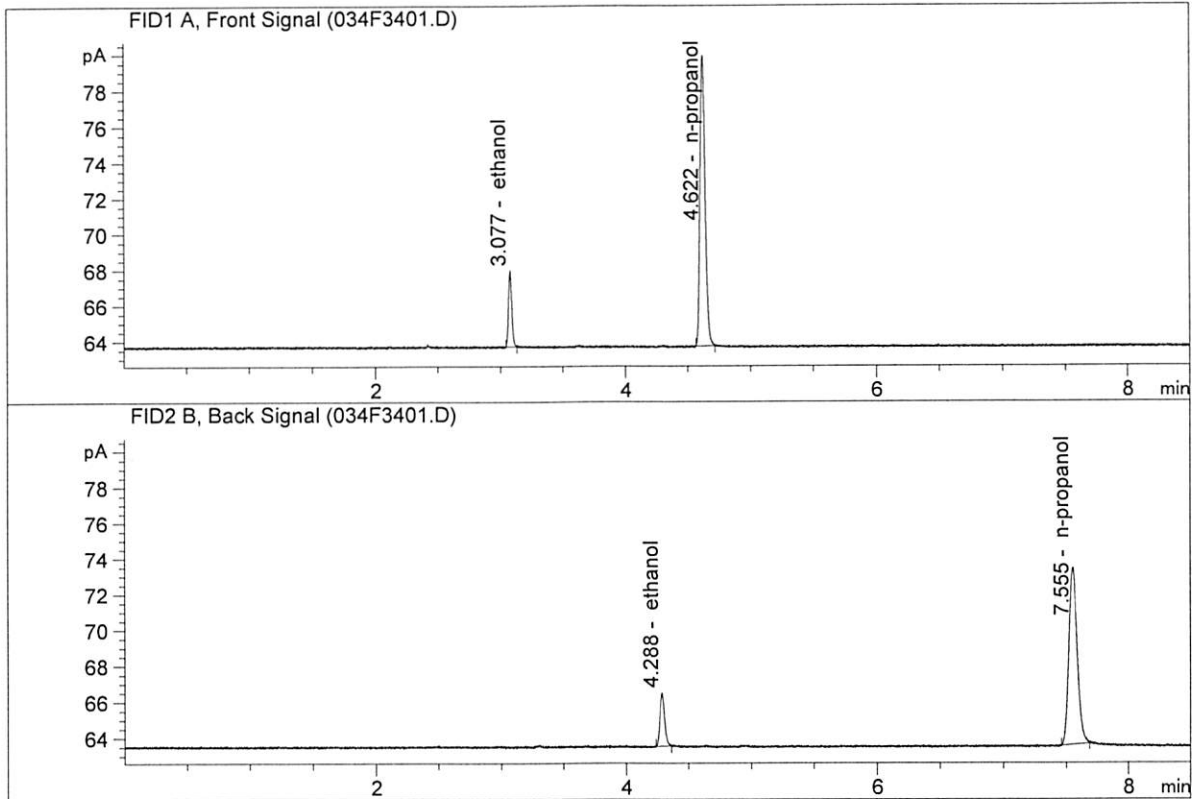


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.39858	0.0829	g/100cc
2.	Ethanol	Column 2:	7.63412	0.0851	g/100cc
3.	n-Propanol	Column 1:	45.21227	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.04014	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : Aug 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.72898	0.0848	g/100cc
2.	Ethanol	Column 2:	7.87460	0.0858	g/100cc
3.	n-Propanol	Column 1:	46.20559	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.06003	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 16 Aug 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2079	0.2074	0.0005	0.2076	0.2084	
(g/100cc)	0.2093	0.2092	0.0001	0.2092		

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
0.208	0.197	0.219	0.011

	Reported Result 0.208	
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Calibration and control data are stored centrally.



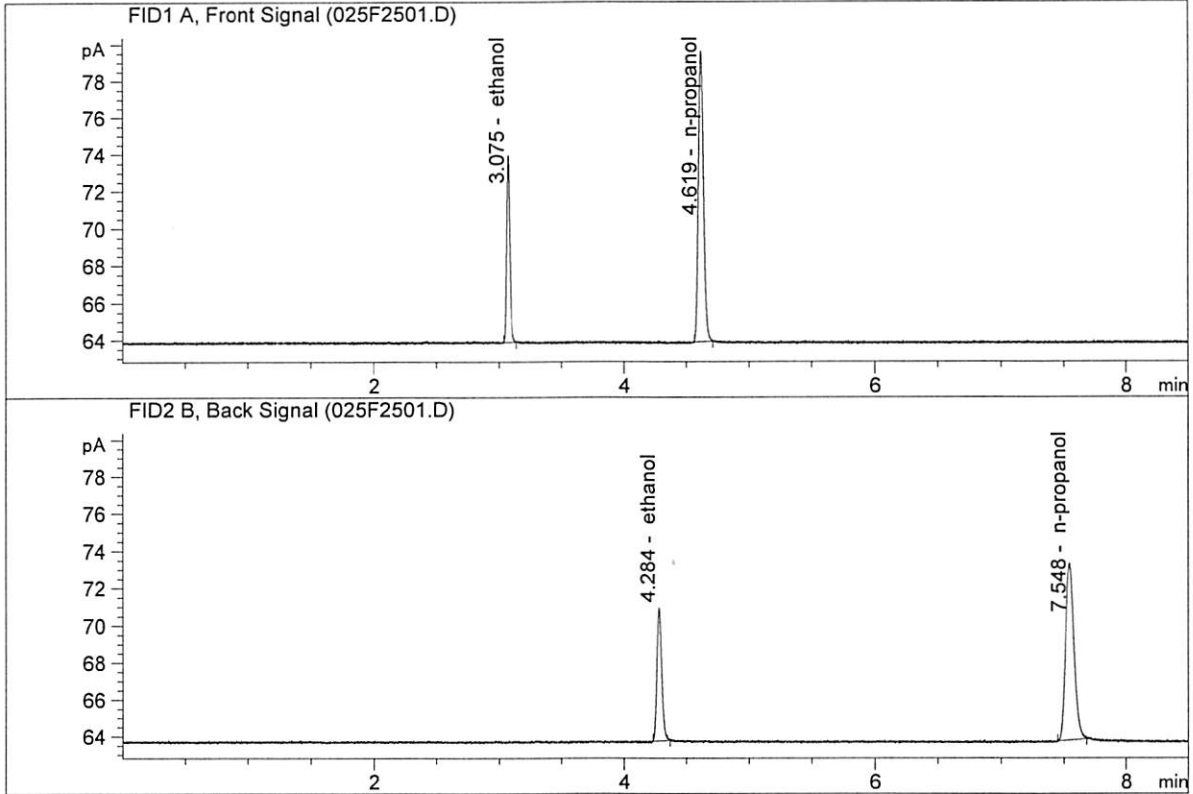
Issued: 12/30/2016

Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

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

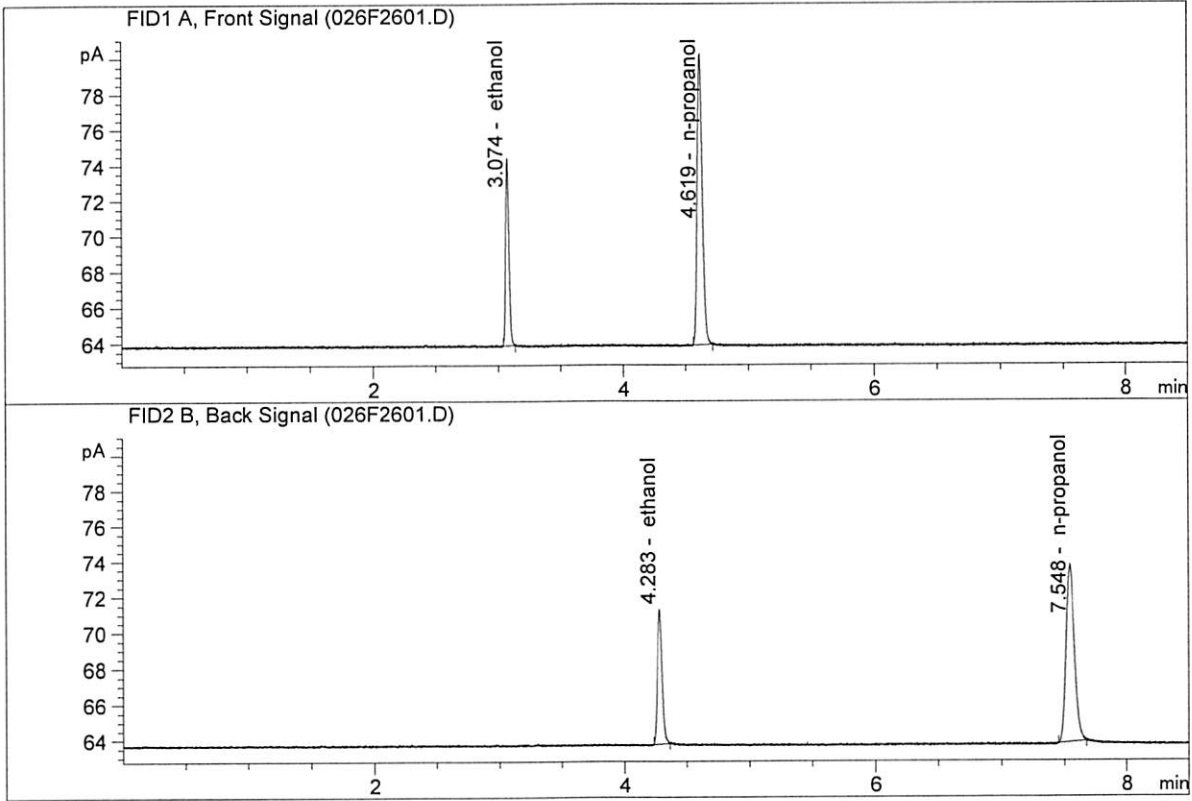


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.48346	0.2079	g/100cc
2.	Ethanol	Column 2:	19.26634	0.2074	g/100cc
3.	n-Propanol	Column 1:	44.69747	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.72018	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.32599	0.2093	g/100cc
2.	Ethanol	Column 2:	20.07123	0.2092	g/100cc
3.	n-Propanol	Column 1:	46.41819	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.21512	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701

Analysis Date(s): 16 Aug 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0823	0.0840	0.0017	0.0831	0.0842	
(g/100cc)	0.0845	0.0862	0.0017	0.0853		

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
0.084	0.079	0.089	0.005

	Reported Result	
	0.084	

Calibration and control data are stored centrally.

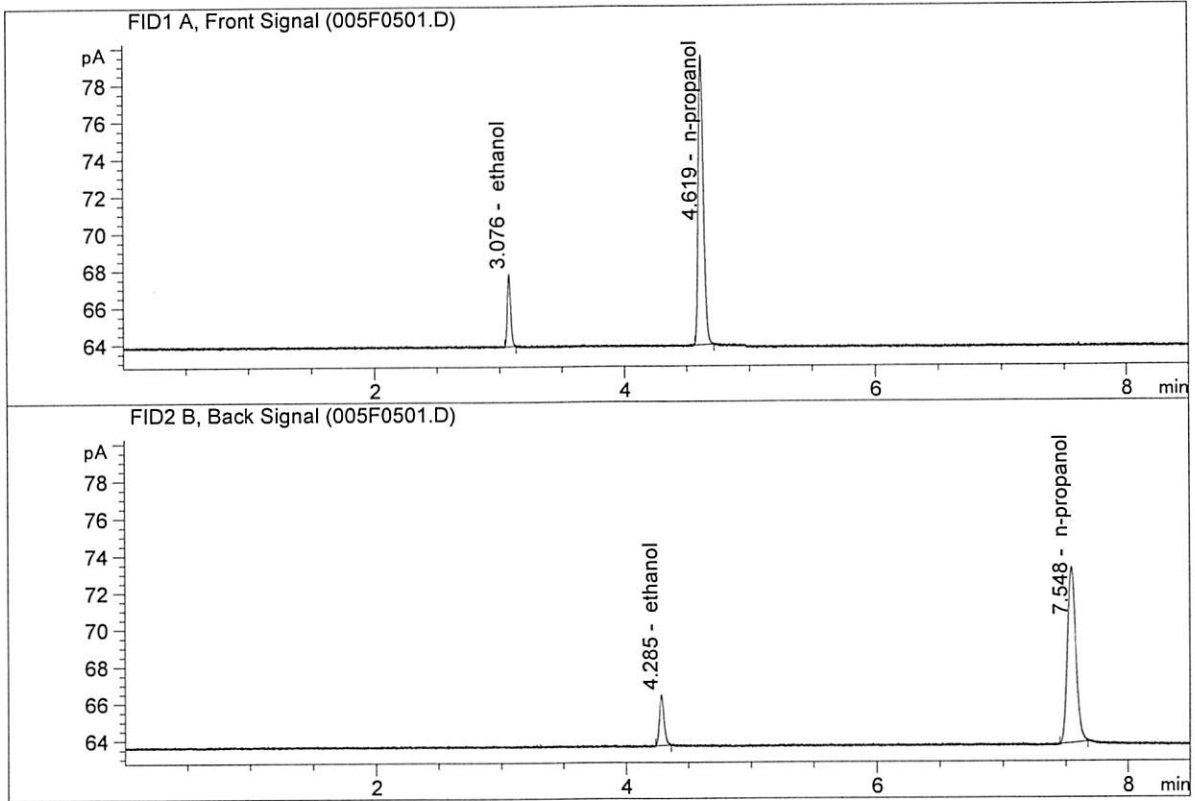
Issued: 12/30/2016

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 : Aug 16, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

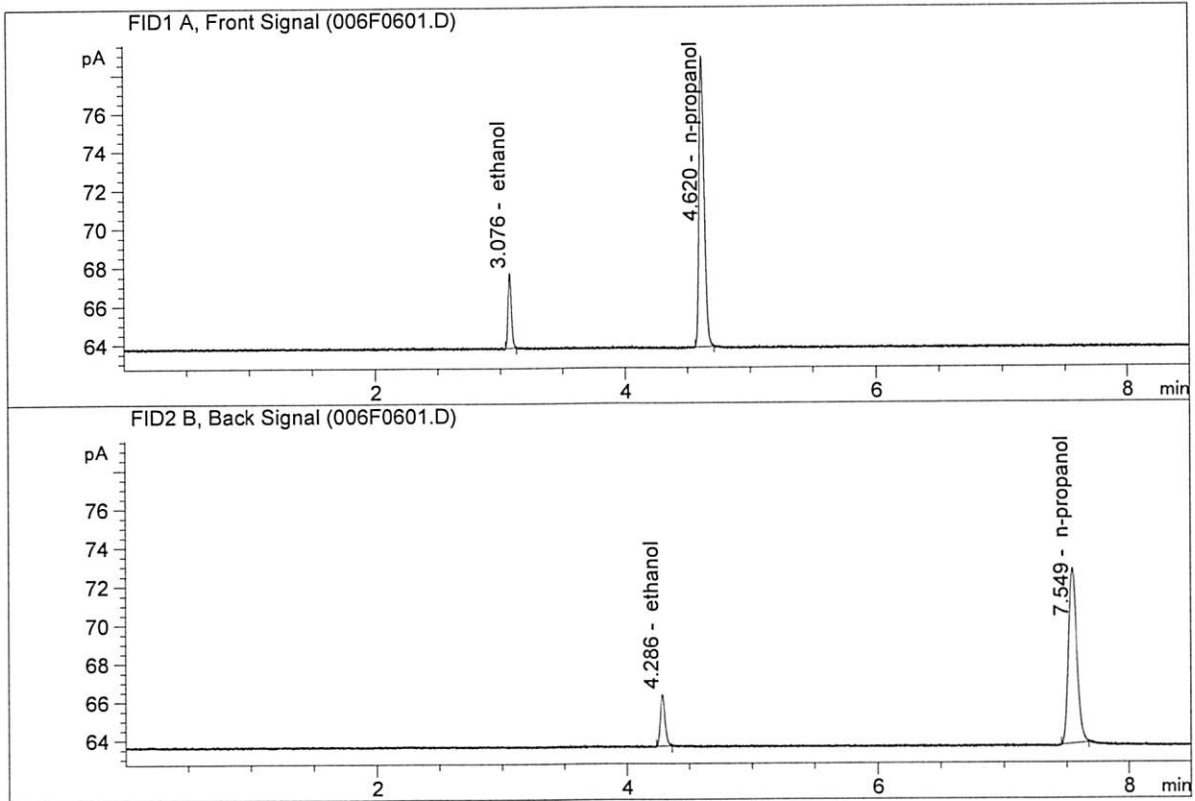


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.23395	0.0823	g/100cc
2.	Ethanol	Column 2:	7.45210	0.0840	g/100cc
3.	n-Propanol	Column 1:	44.56939	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.57412	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

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

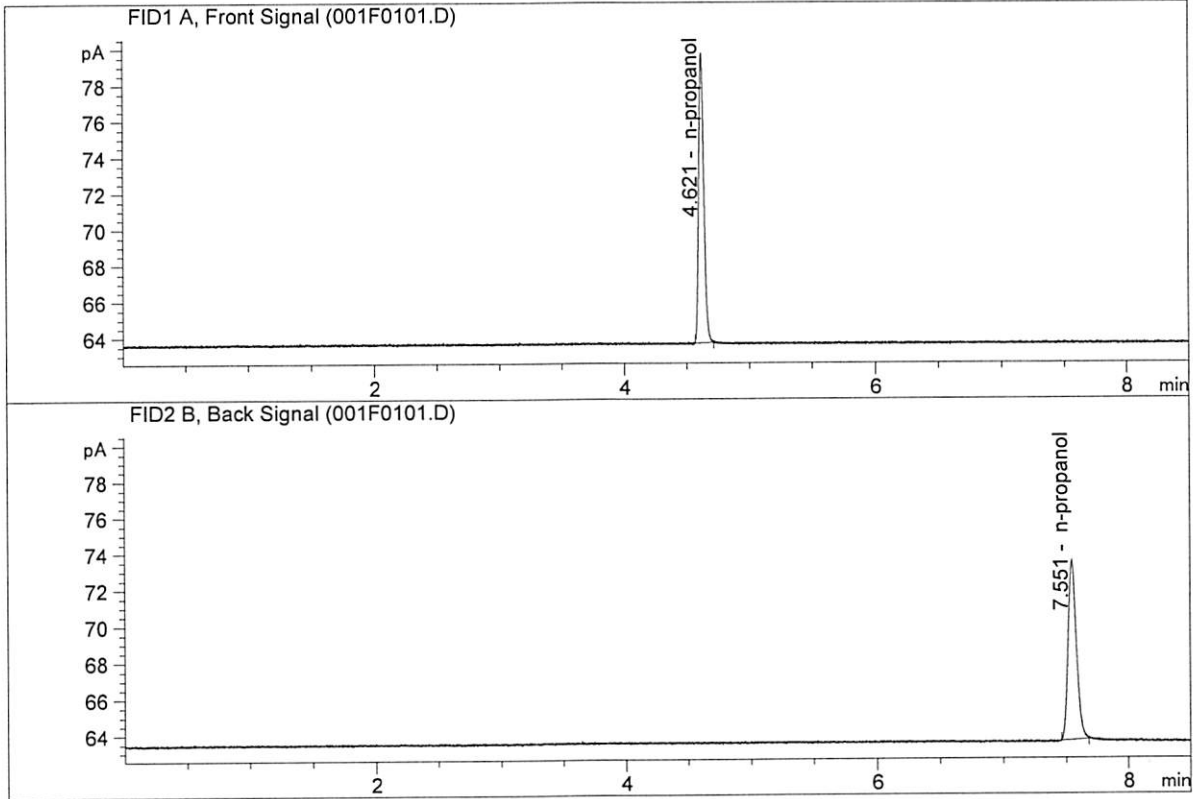


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.13232	0.0845	g/100cc
2.	Ethanol	Column 2:	7.32640	0.0862	g/100cc
3.	n-Propanol	Column 1:	42.78669	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.57504	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

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

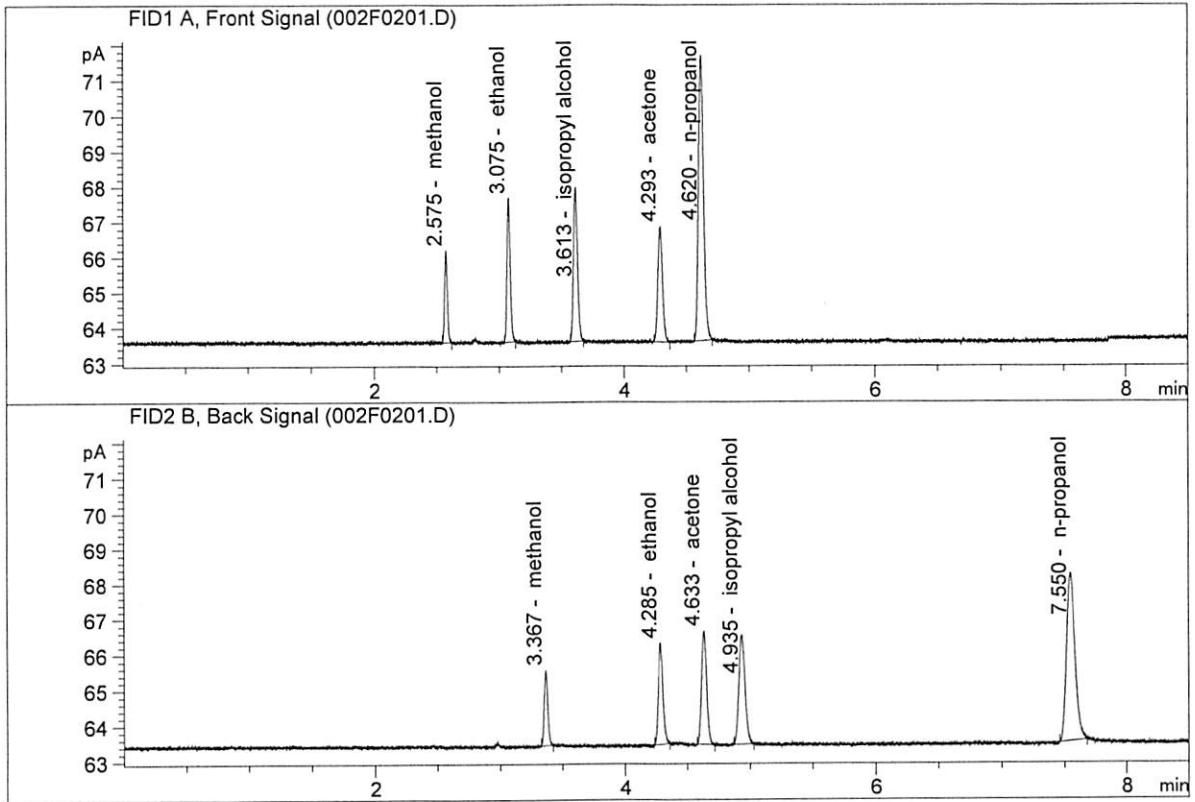


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	45.76178	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.61567	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

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

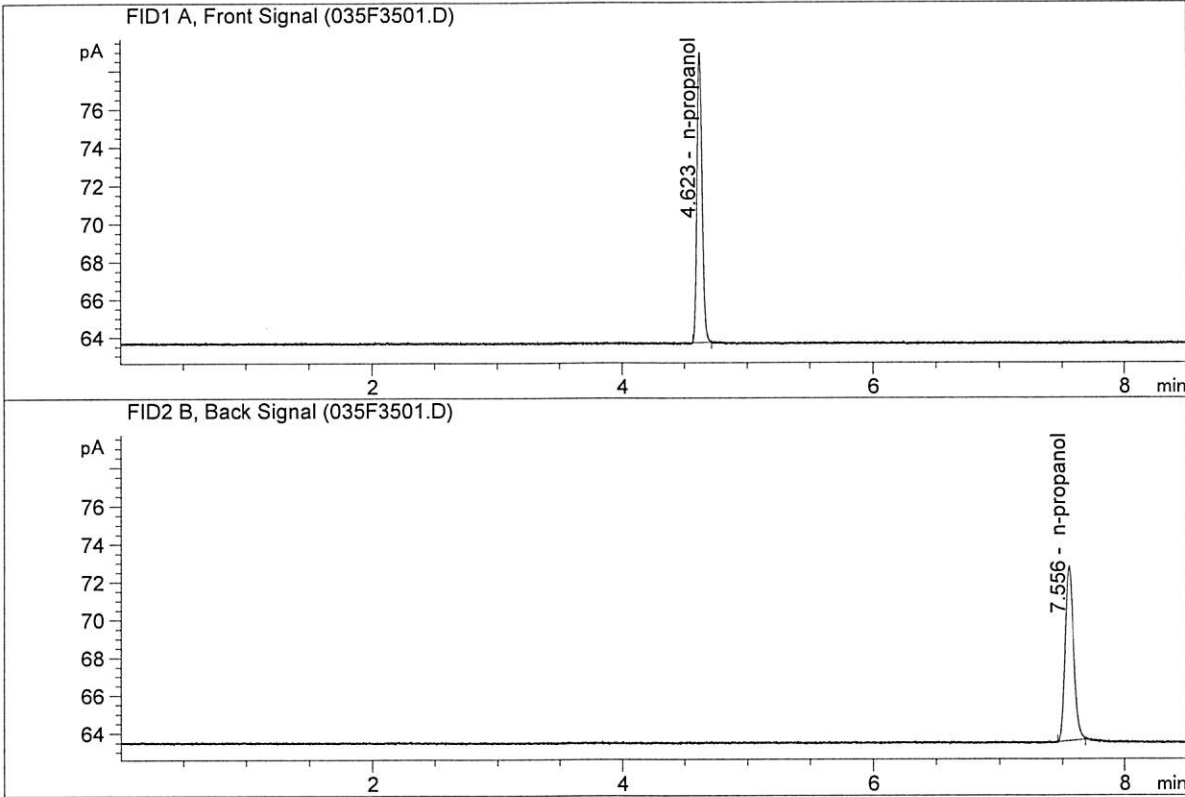


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.34613	0.1624	g/100cc
2.	Ethanol	Column 2:	7.53683	0.1632	g/100cc
3.	n-Propanol	Column 1:	22.77216	1.0000	g/100cc
4.	n-Propanol	Column 2:	22.91025	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Aug 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:	43.51197	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.25688	1.0000	g/100cc

NB

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

Sequence table: C:\Chem32\1\Data\08-16-18_SAMPLES\08-16-18_SAMPLES 2018-08-16 13-38-15\08-16-18_SAMPLES.S
 Data directory path: C:\Chem32\1\Data\08-16-18_SAMPLES\08-16-18_SAMPLES 2018-08-16 13-38-15\
 Logbook: C:\Chem32\1\Data\08-16-18_SAMPLES\08-16-18_SAMPLES 2018-08-16 13-38-15\08-16-18_SAMPLES.LOG
 Sequence start: 8/16/2018 1:52:56 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\08-16-18_SAMPLES\08-16-18_SAMPLES 2018-08-16 13-38-15\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 FN04171701-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	M2018-3988-1-A	-	1.0000	007F0701.D		2
8	8	1	M2018-3988-1-B	-	1.0000	008F0801.D		2
9	9	1	M2018-3989-1-A	-	1.0000	009F0901.D		4
10	10	1	M2018-3989-1-B	-	1.0000	010F1001.D		4
11	11	1	M2018-4068-1-A	-	1.0000	011F1101.D		4
12	12	1	M2018-4068-1-B	-	1.0000	012F1201.D		4
13	13	1	M2018-4069-1-A	-	1.0000	013F1301.D		2
14	14	1	M2018-4069-1-B	-	1.0000	014F1401.D		2
15	15	1	M2018-4070-1-A	-	1.0000	015F1501.D		4
16	16	1	M2018-4070-1-B	-	1.0000	016F1601.D		4
17	17	1	M2018-4075-1-A	-	1.0000	017F1701.D		6
18	18	1	M2018-4075-1-B	-	1.0000	018F1801.D		4
19	19	1	M2018-4076-1-A	-	1.0000	019F1901.D		4
20	20	1	M2018-4076-1-B	-	1.0000	020F2001.D		4
21	21	1	M2018-4077-1-A	-	1.0000	021F2101.D		2
22	22	1	M2018-4077-1-B	-	1.0000	022F2201.D		2
23	23	1	M2018-4079-1-A	-	1.0000	023F2301.D		4
24	24	1	M2018-4079-1-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	M2018-4090-1-A	-	1.0000	027F2701.D		4
28	28	1	M2018-4090-1-B	-	1.0000	028F2801.D		4
29	29	1	M2018-4101-1-A	-	1.0000	029F2901.D		2
30	30	1	M2018-4101-1-B	-	1.0000	030F3001.D		2
31	31	1	P2018-2287-2-A	-	1.0000	031F3101.D		4
32	32	1	P2018-2287-2-B	-	1.0000	032F3201.D		4
33	33	1	QC1-2-A	-	1.0000	033F3301.D		4
34	34	1	QC1-2-B	-	1.0000	034F3401.D		4
35	35	1	INTERNAL STD BLK	-	1.0000	035F3501.D		2

NB

Method file name: C:\Chem32\1\Data\08-16-18_SAMPLES\08-16-18_SAMPLES 2018-08-16 13-38-15
\SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
36	36	1	EMPTY	-	1.0000	036F3601.D		0

NB

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Calibration Table
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General Calibration Setting

Calib. Data Modified : Wednesday, August 15, 2018 11:12:12 AM
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

NB

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	4.61283	1.08393e-2	No	No 1	ethanol
		2	1.00000e-1	9.32222	1.07271e-2			
		3	2.00000e-1	19.04376	1.05021e-2			
		4	3.00000e-1	28.43005	1.05522e-2			
		5	5.00000e-1	46.77858	1.06887e-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	4.74253	1.05429e-2	No	No 2	ethanol
		2	1.00000e-1	9.57540	1.04434e-2			
		3	2.00000e-1	19.75056	1.01263e-2			
		4	3.00000e-1	29.58172	1.01414e-2			
		5	5.00000e-1	49.33341	1.01351e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	46.72383	2.14024e-2	No	Yes 1	n-propanol
		2	1.00000	47.20430	2.11845e-2			
		3	1.00000	48.03819	2.08168e-2			
		4	1.00000	47.53685	2.10363e-2			
		5	1.00000	46.86649	2.13372e-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	48.41121	2.06564e-2	No	Yes 2	n-propanol
		2	1.00000	48.53545	2.06035e-2			
		3	1.00000	49.23846	2.03093e-2			
		4	1.00000	48.54959	2.05975e-2			
		5	1.00000	47.56211	2.10251e-2			

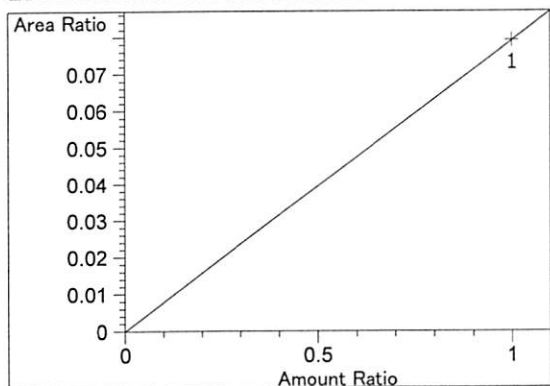
Peak Sum Table

No Entries in table

1 Warnings or Errors :

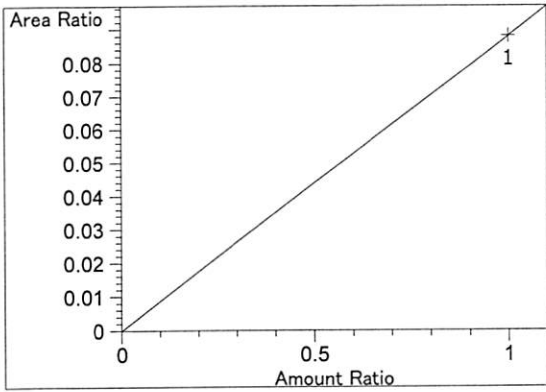
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

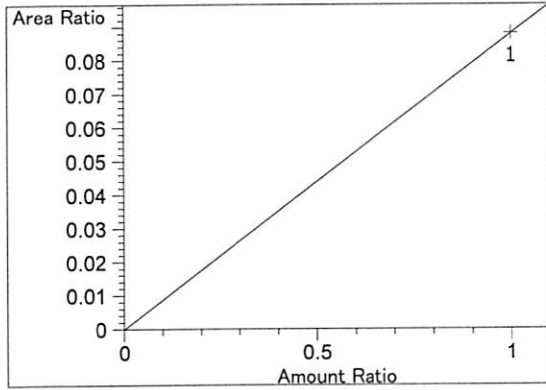


methanol at exp. RT: 2.586
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 7.91180e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

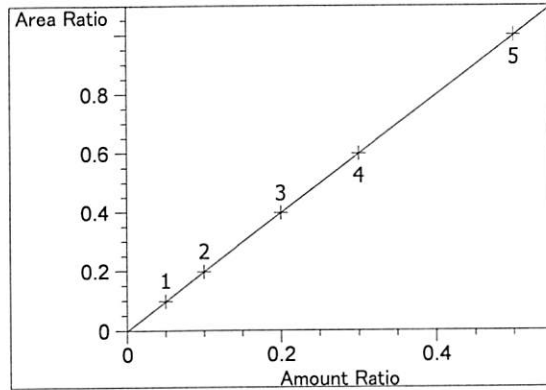
NB



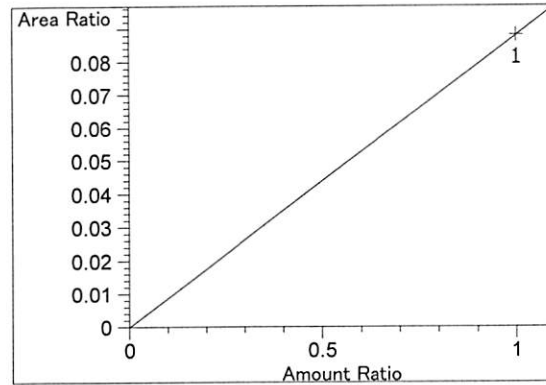
Acetaldehyde at exp. RT: 2.809
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.80168e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



Acetaldehyde at exp. RT: 2.977
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.80168e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

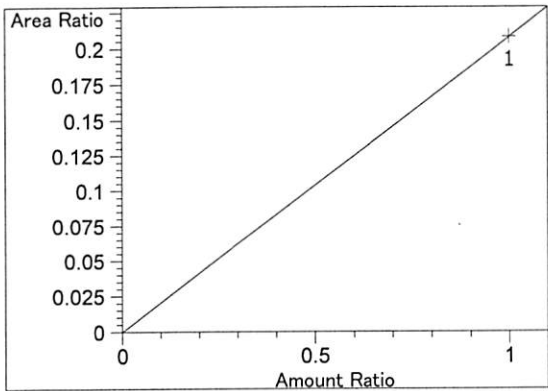


ethanol at exp. RT: 3.075
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00100
 Formula: $y = mx + b$
 m: 2.00017
 b: -2.27234e-3
 x: Amount Ratio
 y: Area Ratio

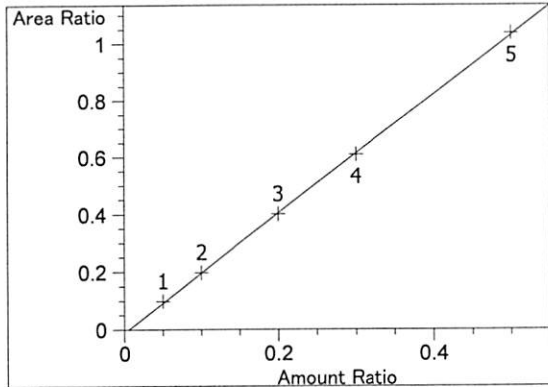


methanol at exp. RT: 3.388
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.80091e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

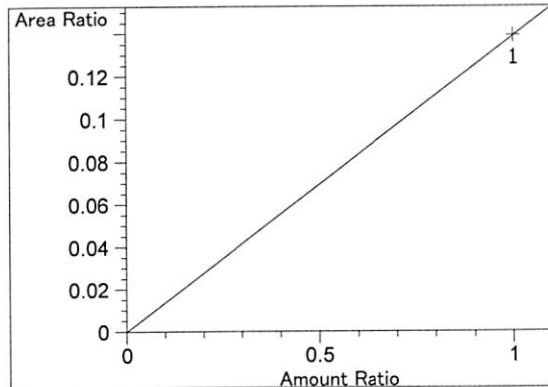
NB



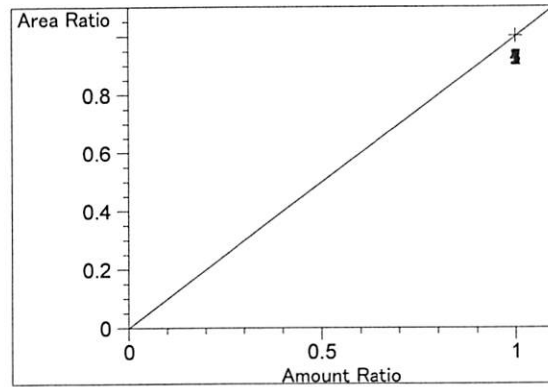
isopropyl alcohol at exp. RT: 3.628
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 2.08257e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



ethanol at exp. RT: 4.285
 FID2 B, Back Signal
 Correlation: 0.99991
 Residual Std. Dev.: 0.00589
 Formula: $y = mx + b$
 m: 2.08900
 b: -1.18867e-2
 x: Amount Ratio
 y: Area Ratio

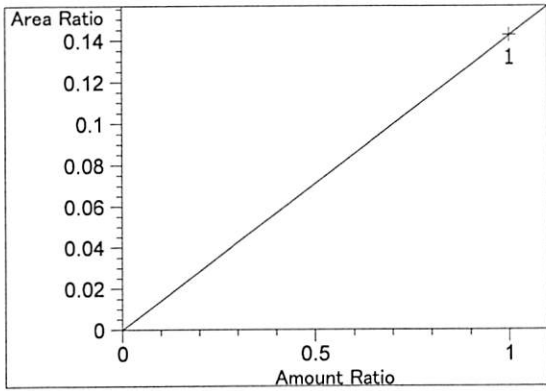


acetone at exp. RT: 4.308
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.39102e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

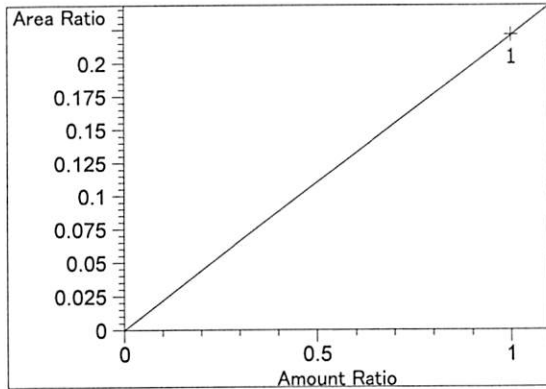


n-propanol at exp. RT: 4.620
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.00000
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

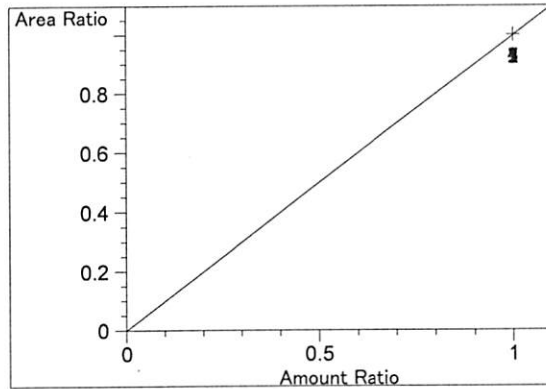
NB



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.42385e-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: 2.21156e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

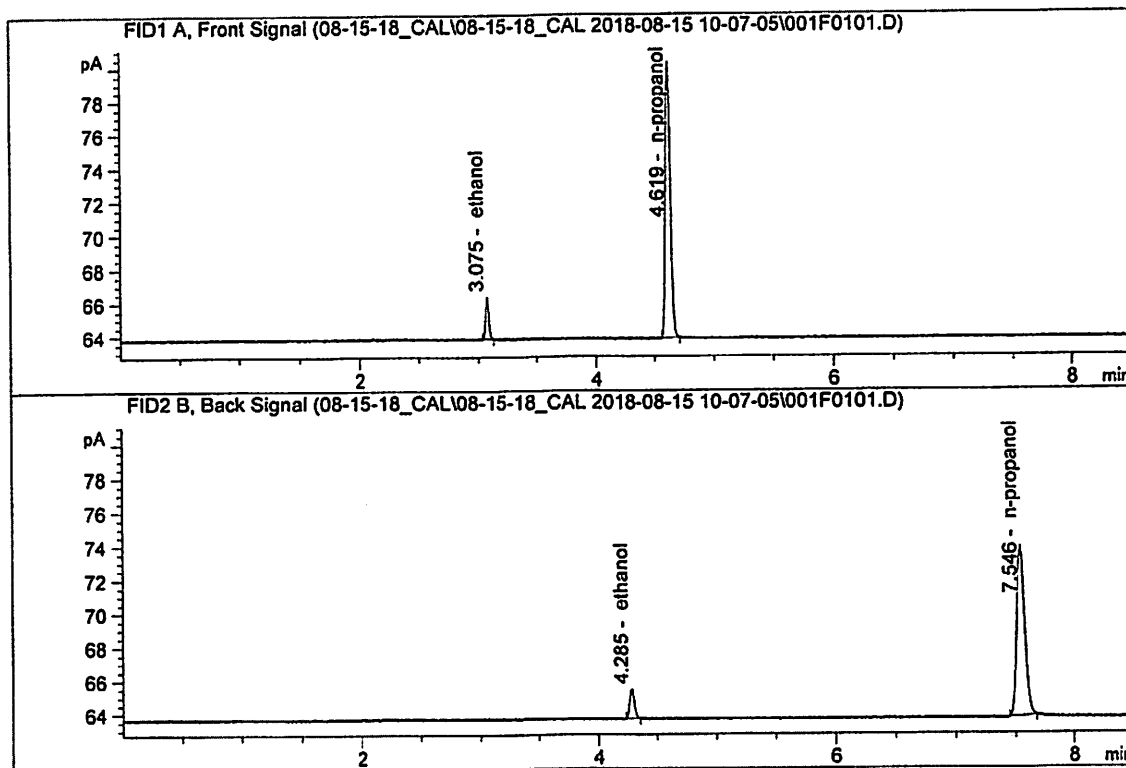


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

=====

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406
 Laboratory : Meridian
 Injection Date : Aug 15, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

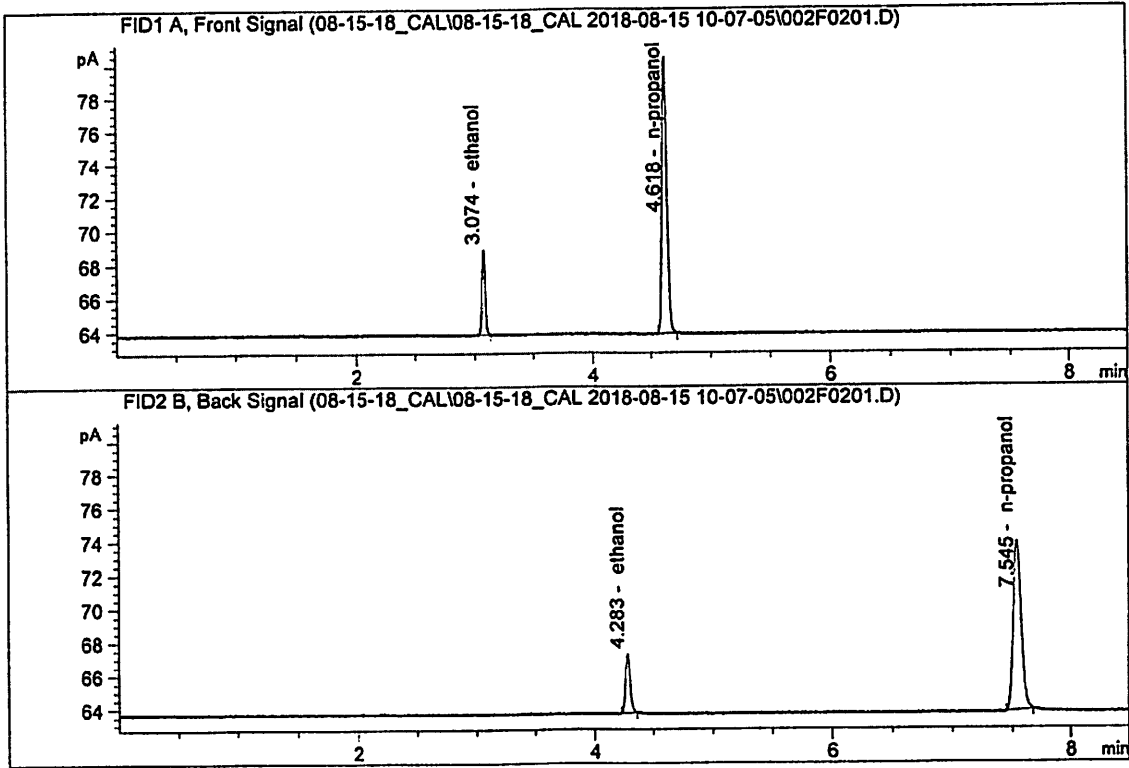


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.61283	0.0505	g/100cc
2.	Ethanol	Column 2:	4.74253	0.0526	g/100cc
3.	n-Propanol	Column 1:	46.72383	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.41121	1.0000	g/100cc

RB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN08101601
 Laboratory : Meridian
 Injection Date : Aug 15, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

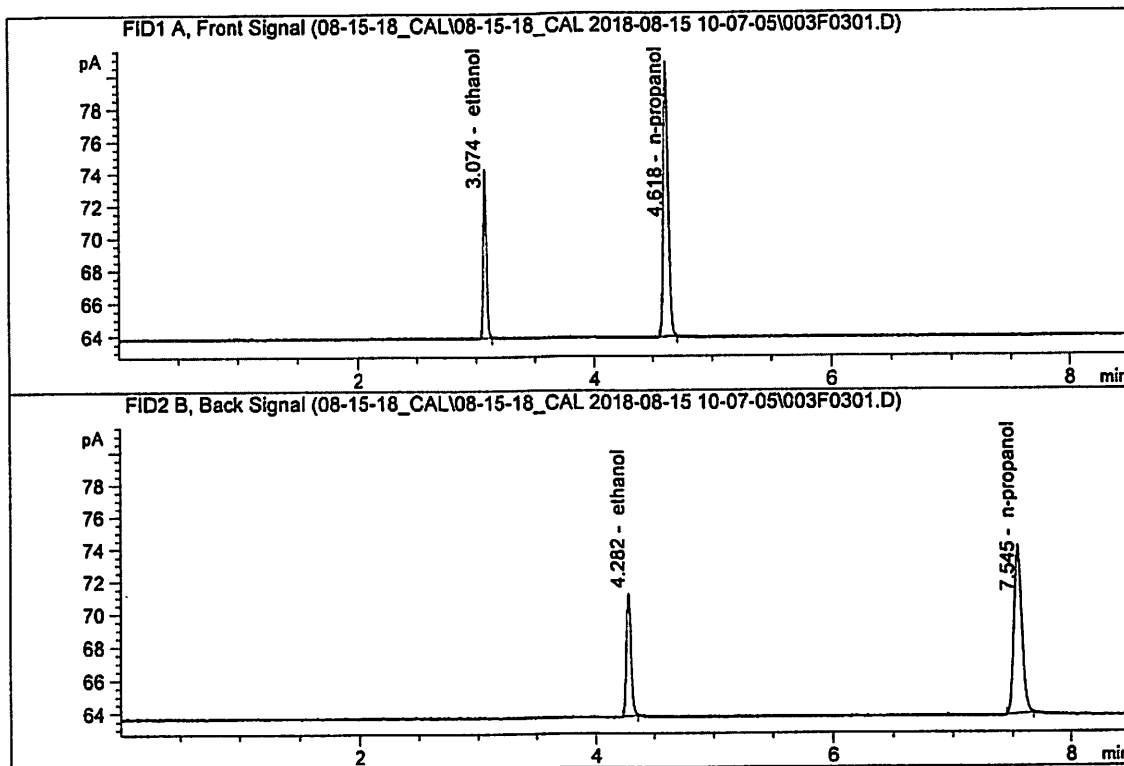


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.32222	0.0999	g/100cc
2.	Ethanol	Column 2:	9.57540	0.1001	g/100cc
3.	n-Propanol	Column 1:	47.20430	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.53545	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN03301601
 Laboratory : Meridian
 Injection Date : Aug 15, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

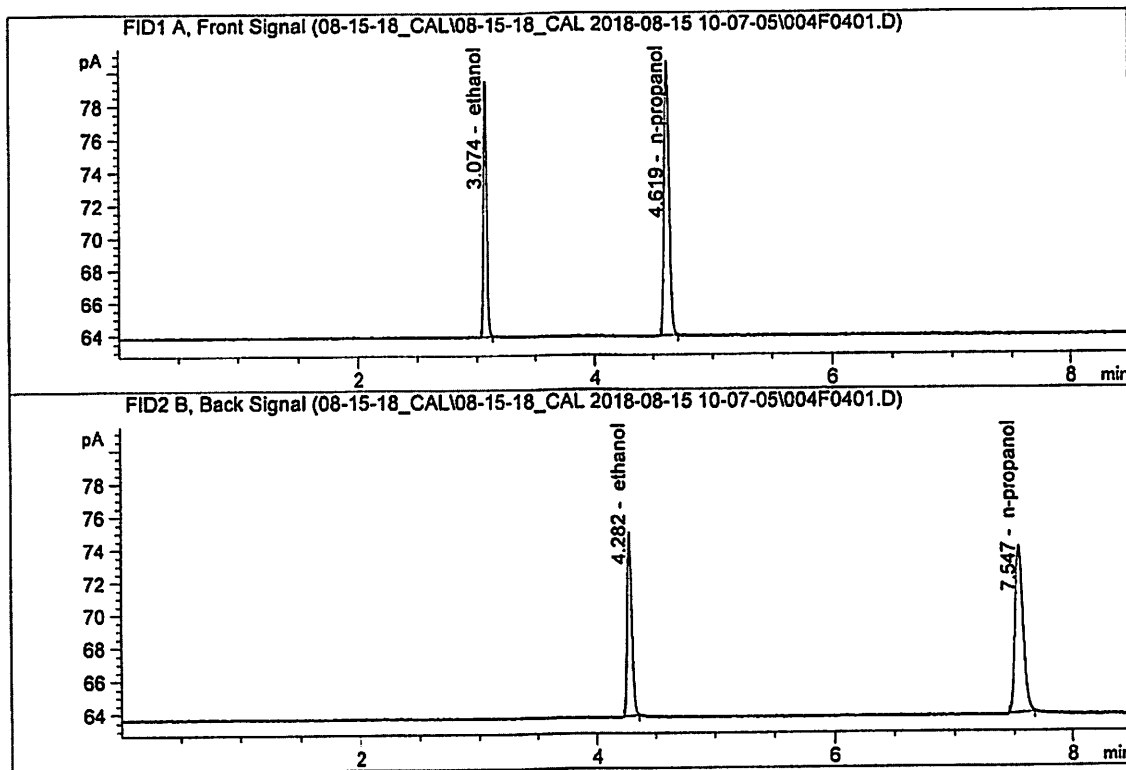


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.04376	0.1993	g/100cc
2.	Ethanol	Column 2:	19.75056	0.1977	g/100cc
3.	n-Propanol	Column 1:	48.03819	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.23846	1.0000	g/100cc

LB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN02121601
 Laboratory : Meridian
 Injection Date : Aug 15, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

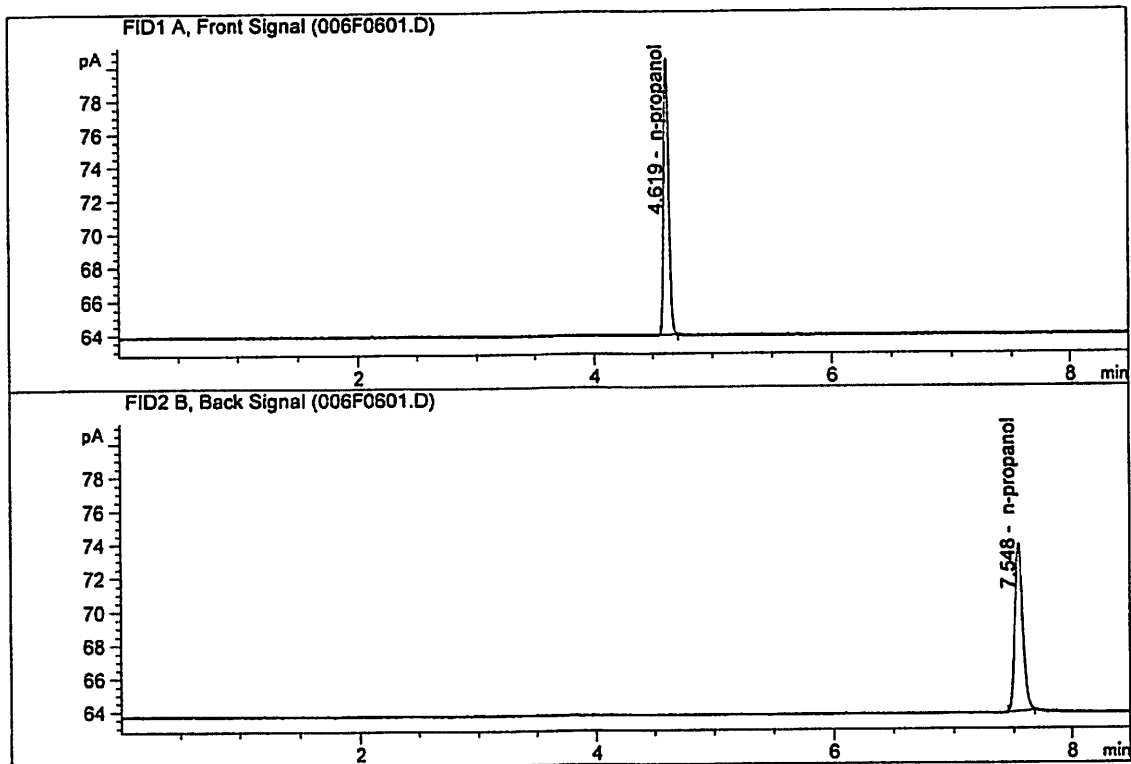


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	28.43005	0.3001	g/100cc
2.	Ethanol	Column 2:	29.58172	0.2974	g/100cc
3.	n-Propanol	Column 1:	47.53685	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.54959	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : Aug 15, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

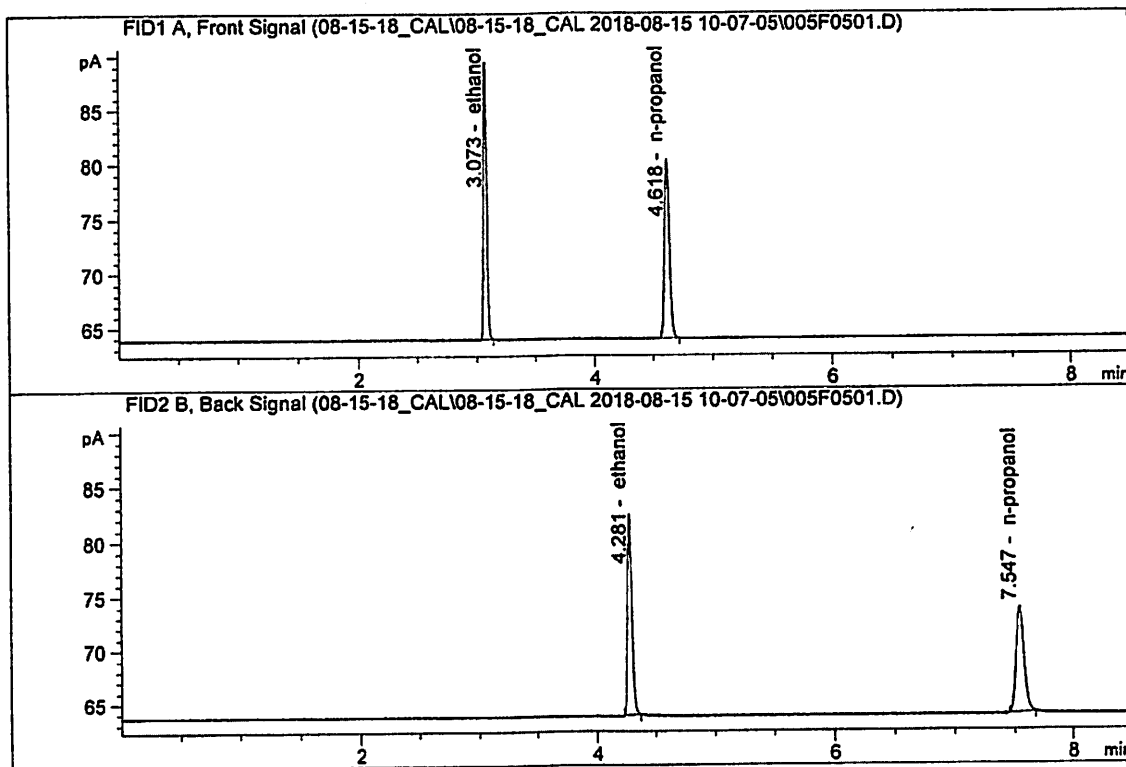


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	47.00183	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.92582	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402
 Laboratory : Meridian
 Injection Date : Aug 15, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.77858	0.5002	g/100cc
2.	Ethanol	Column 2:	49.33341	0.5022	g/100cc
3.	n-Propanol	Column 1:	46.86649	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.56211	1.0000	g/100cc

MB

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

Sequence table: C:\Chem32\1\Data\08-15-18_CAL\08-15-18_CAL 2018-08-15 10-07-05\08-15-18_CAL.S
 Data directory path: C:\Chem32\1\Data\08-15-18_CAL\08-15-18_CAL 2018-08-15 10-07-05\
 Logbook: C:\Chem32\1\Data\08-15-18_CAL\08-15-18_CAL 2018-08-15 10-07-05\08-15-18_CAL.LOG
 Sequence start: 8/15/2018 10:21:40 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\08-15-18_CAL\08-15-18_CAL 2018-08-15 10-07-05\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 FN03301601	-	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

alcohol master method saved w/
 this calibration curve on 8/15/18
 C:\Chem32\1\Methods\Alcohol.m