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): 6/13/18-6/14/18

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	0.0768 g/100cc
					0.0797 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.2003 g/100cc
					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	0.080 g/100cc

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

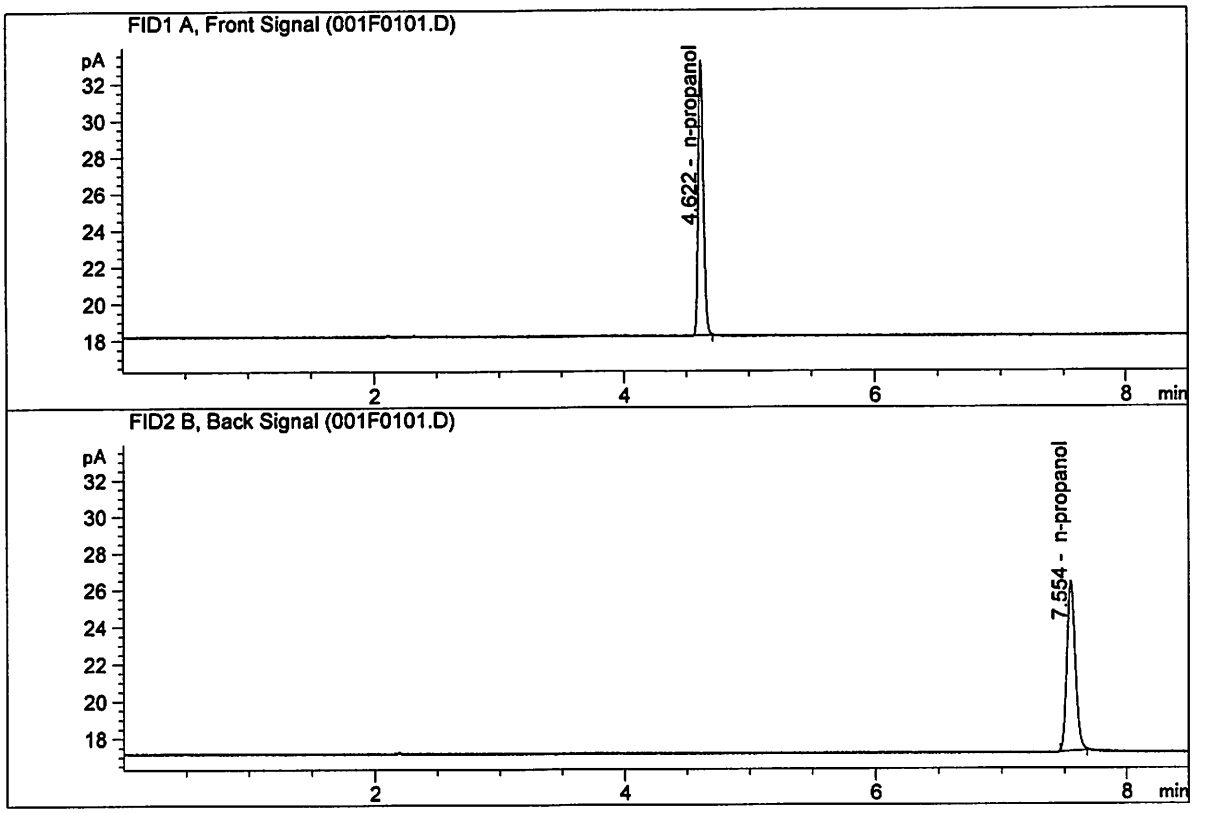
JC

Worklist: 2485

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2018-2807	1	117243	Alcohol Analysis
M2018-2851	1	117505	Alcohol Analysis
M2018-2856	1	117593	Alcohol Analysis
M2018-2857	1	117594	Alcohol Analysis
M2018-2858	1	117595	Alcohol Analysis
M2018-2859	1	117599	Alcohol Analysis
M2018-2860	1	117603	Alcohol Analysis
M2018-2880	1	117707	Alcohol Analysis
M2018-2892	1	117726	Alcohol Analysis
M2018-2926	1	117785	Alcohol Analysis
M2018-2931	1	117832	Alcohol Analysis
M2018-2952	1	117903	Alcohol Analysis
M2018-2956	1	117929	Alcohol Analysis
M2018-2957	1	117930	Alcohol Analysis
M2018-2958	1	117934	Alcohol Analysis
M2018-2959	1	117938	Alcohol Analysis
M2018-2960	1	117942	Alcohol Analysis
M2018-2960	2	117946	Alcohol Analysis
M2018-2967	1	117965	Alcohol Analysis

ISP Forensic Services Blood Alcohol Report

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

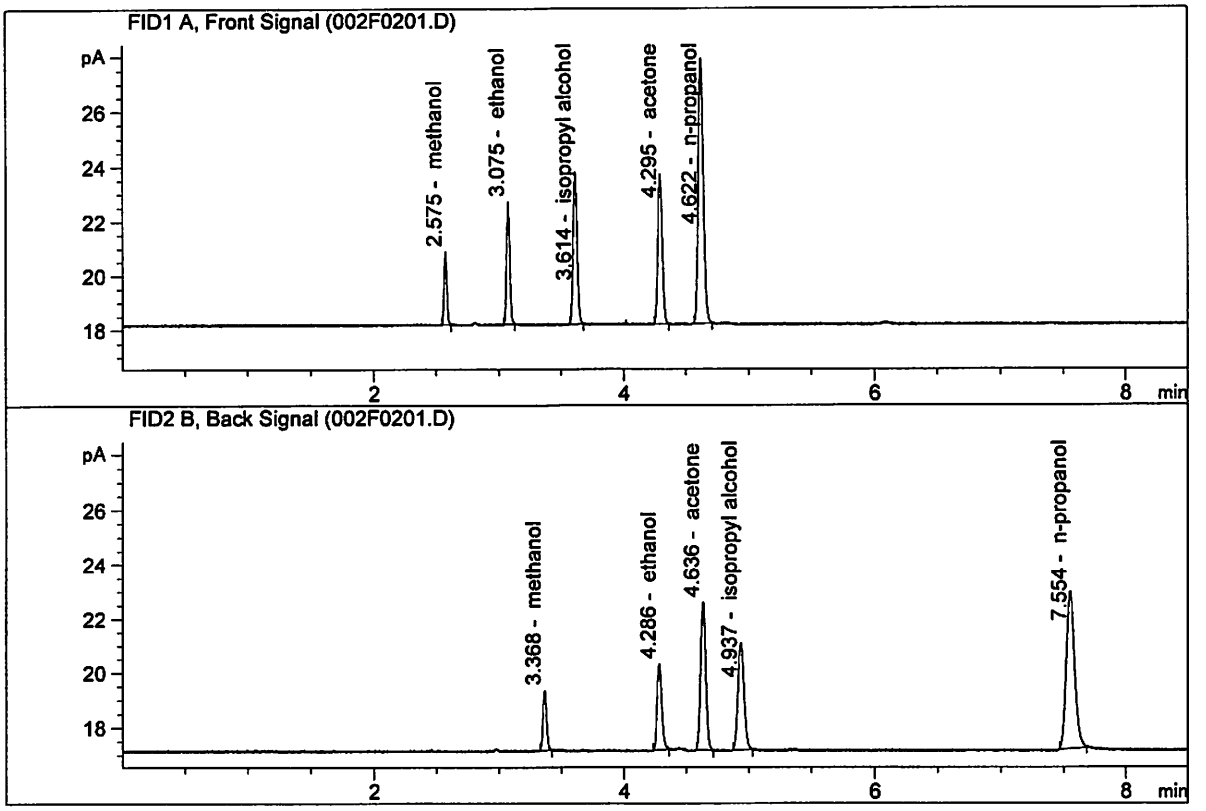


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.60091	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.03366	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041503
Laboratory : Meridian
Injection Date : Jun 13, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.07781	0.1432	g/100cc
2.	Ethanol	Column 2:	8.30328	0.1443	g/100cc
3.	n-Propanol	Column 1:	27.43415	1.0000	g/100cc
4.	n-Propanol	Column 2:	27.74690	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 13 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	0.0768	
(g/100cc)	0.0761	0.0774	0.0013	0.0767		

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

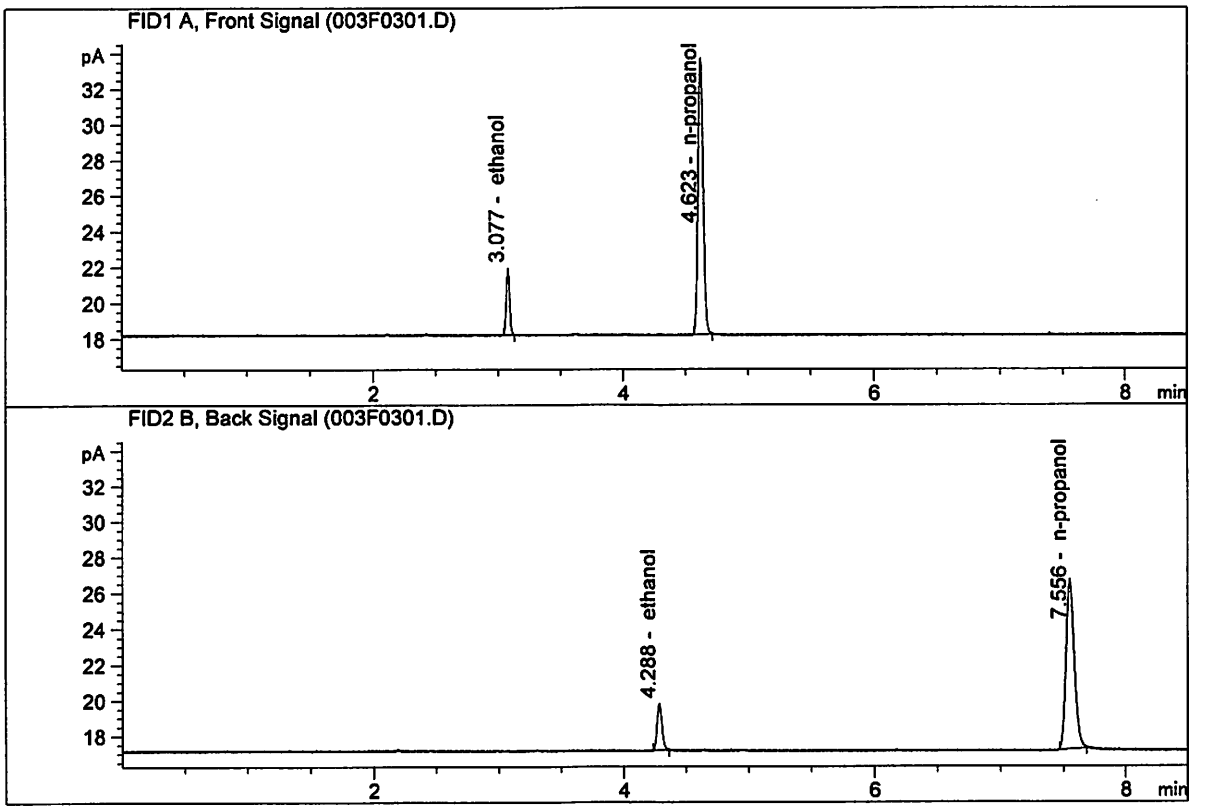
Reported Result
0.076

Calibration and control data are stored centrally.

JC

ISP Forensic Services Blood Alcohol Report

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

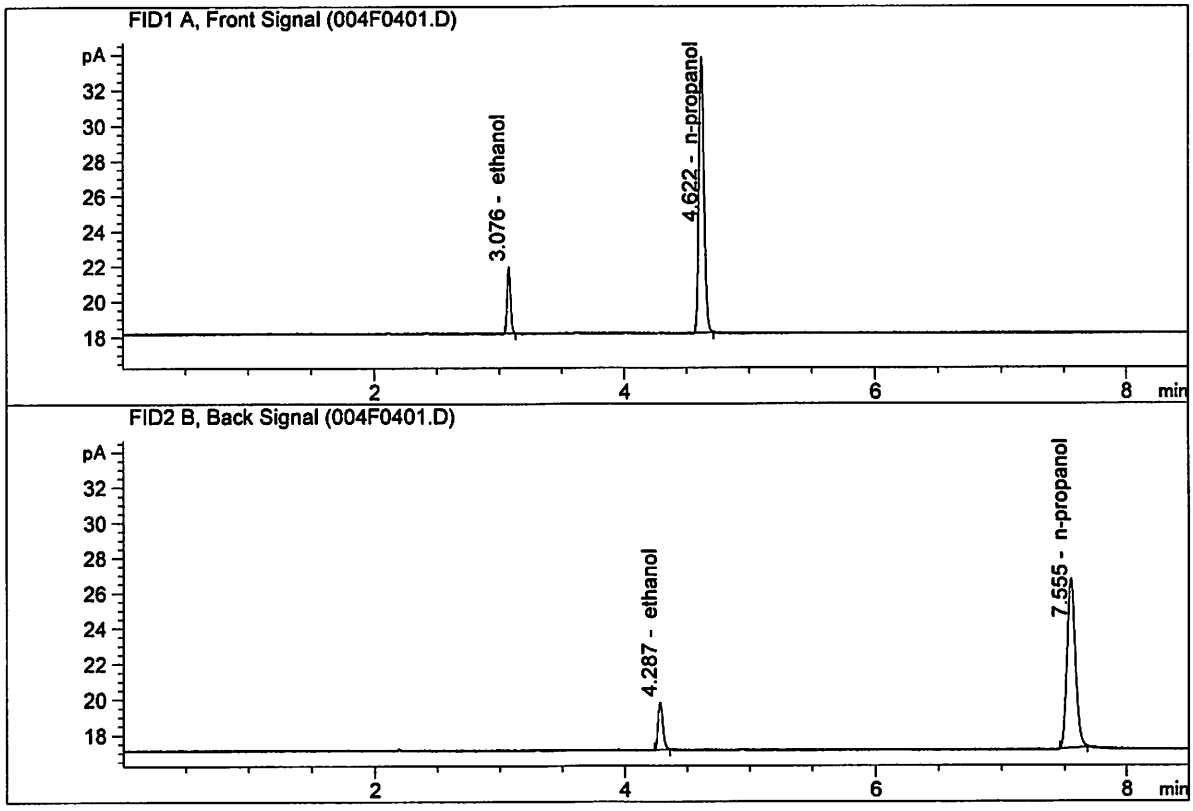


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.87241	0.0763	g/100cc
2.	Ethanol	Column 2:	7.07969	0.0776	g/100cc
3.	n-Propanol	Column 1:	44.17027	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.42925	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.91197	0.0761	g/100cc
2.	Ethanol	Column 2:	7.11381	0.0774	g/100cc
3.	n-Propanol	Column 1:	44.54880	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.78337	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510 **Analysis Date(s): 13 Jun 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0796	0.0806	0.0010	0.0801	0.0808	
(g/100cc)	0.0809	0.0822	0.0013	0.0815		

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

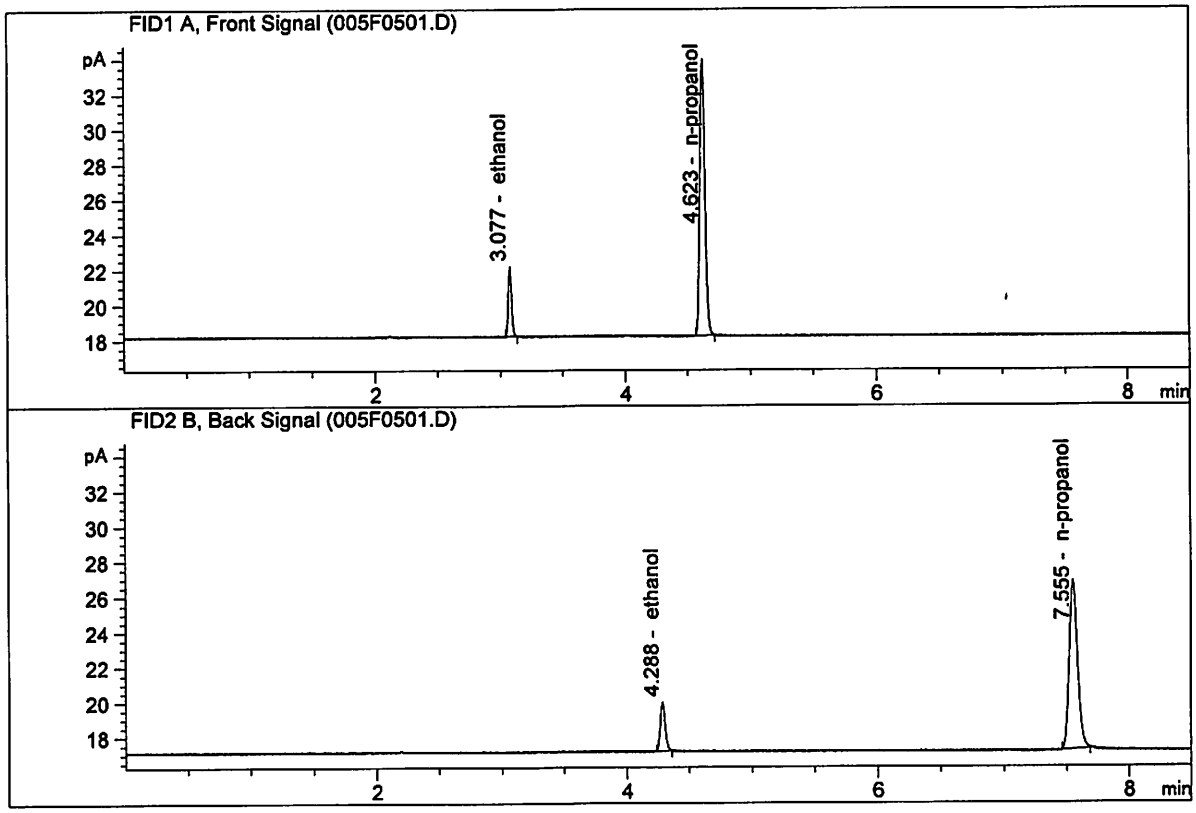
0.080

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

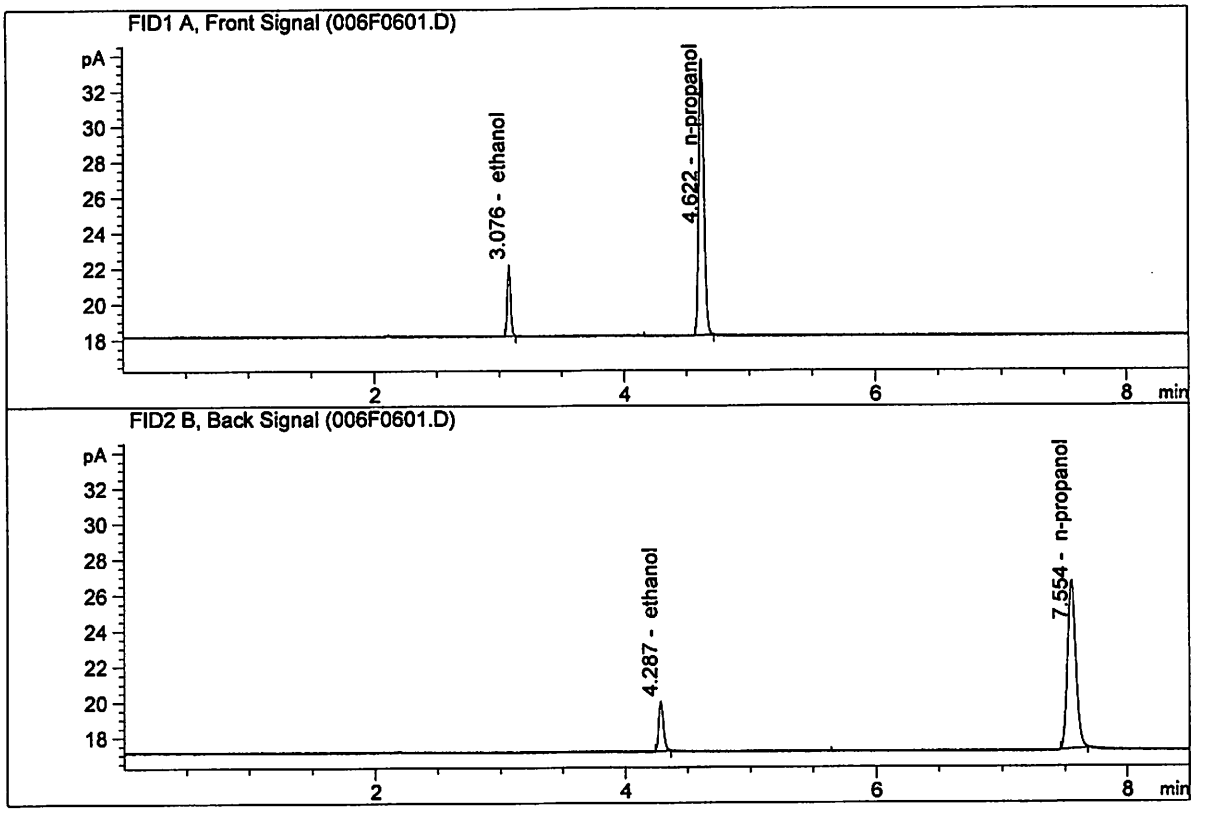
Sample Name : 0.08 FN10281510-A
Laboratory : Meridian
Injection Date : Jun 13, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.30124	0.0796	g/100cc
2.	Ethanol	Column 2:	7.51154	0.0806	g/100cc
3.	n-Propanol	Column 1:	44.93548	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.26657	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
Laboratory : Meridian
Injection Date : Jun 13, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.30832	0.0809	g/100cc
2.	Ethanol	Column 2:	7.53371	0.0822	g/100cc
3.	n-Propanol	Column 1:	44.24757	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.42405	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 13 Jun 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2002	0.2010	0.0008	0.2006	0.2003	
(g/100cc)	0.2000	0.2001	0.0001	0.2000		

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
0.200	**0.190**	**0.210**	**0.010**

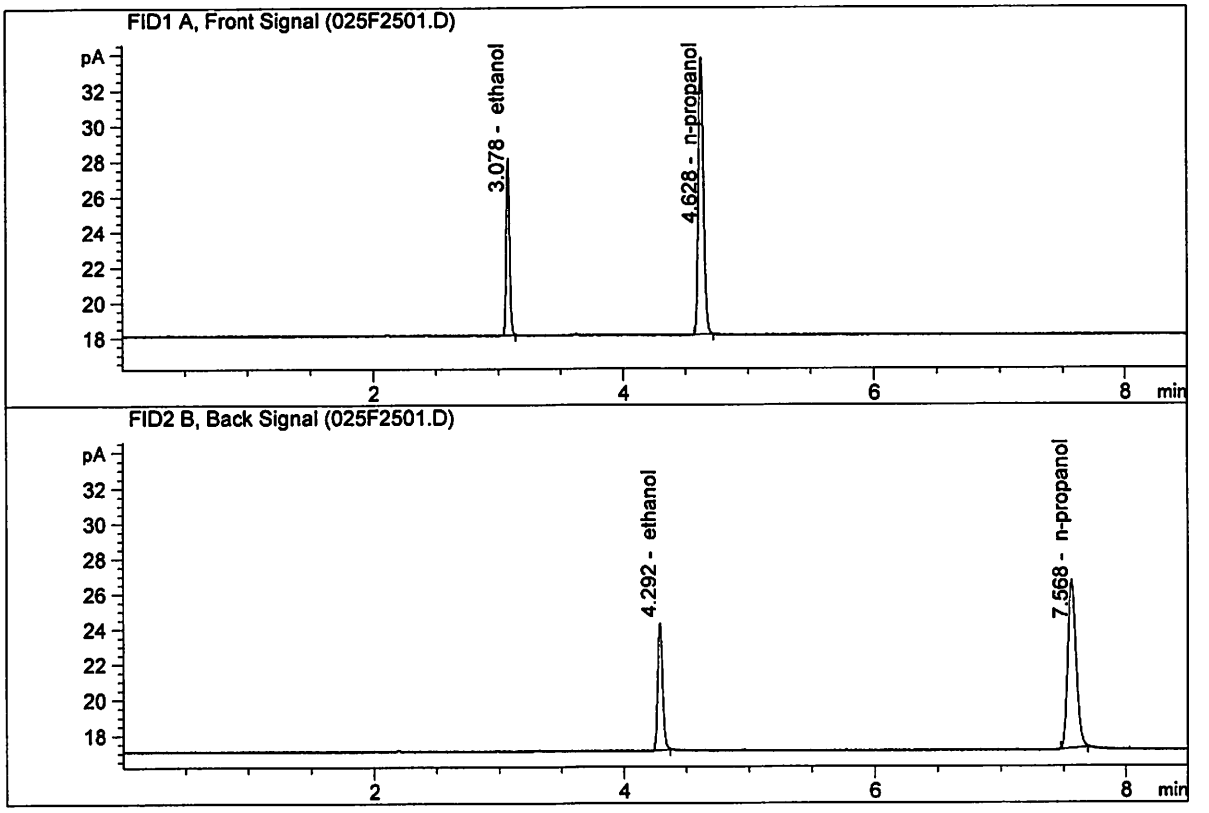
	Reported Result	
	0.200	

Calibration and control data are stored centrally.

JC

ISP Forensic Services Blood Alcohol Report

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

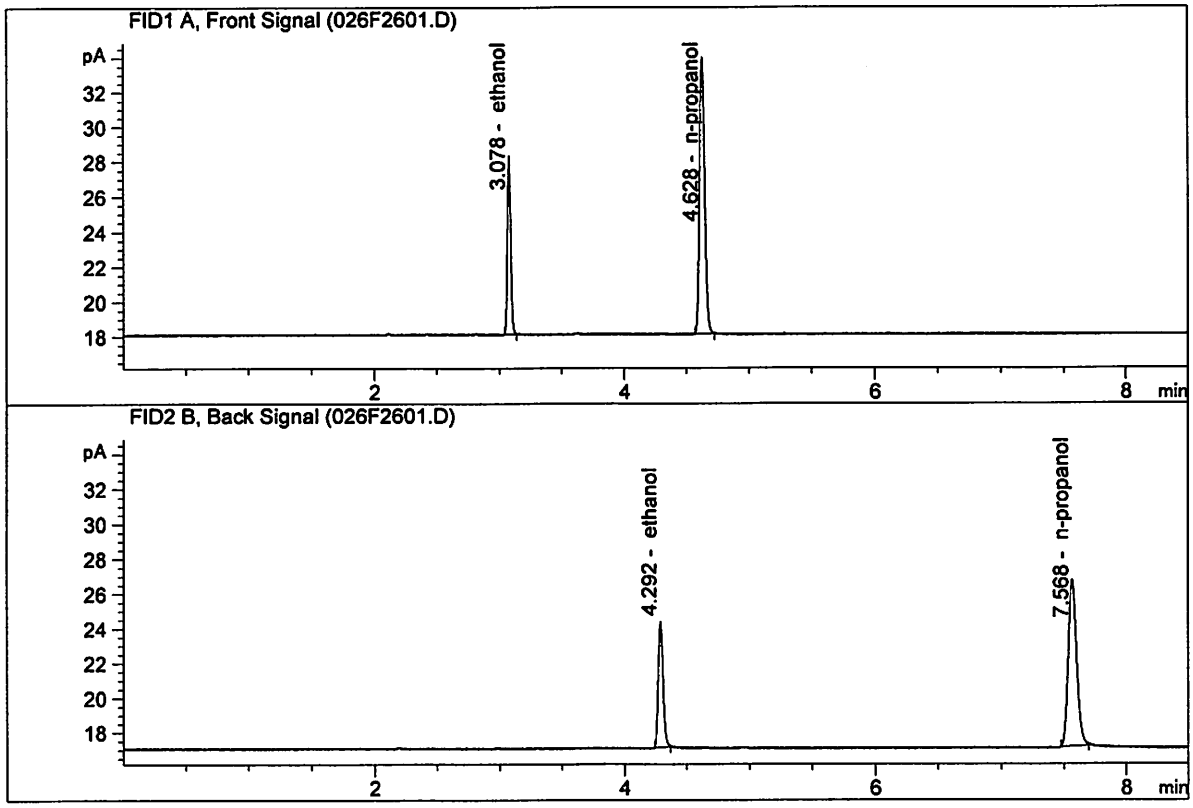


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.42427	0.2002	g/100cc
2.	Ethanol	Column 2:	19.18339	0.2010	g/100cc
3.	n-Propanol	Column 1:	44.63522	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.54477	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.71368	0.2000	g/100cc
2.	Ethanol	Column 2:	19.42598	0.2001	g/100cc
3.	n-Propanol	Column 1:	45.37300	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.34598	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 14 Jun 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0792	0.0805	0.0013	0.0798	0.0797	
(g/100cc)	0.0791	0.0802	0.0011	0.0796		

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

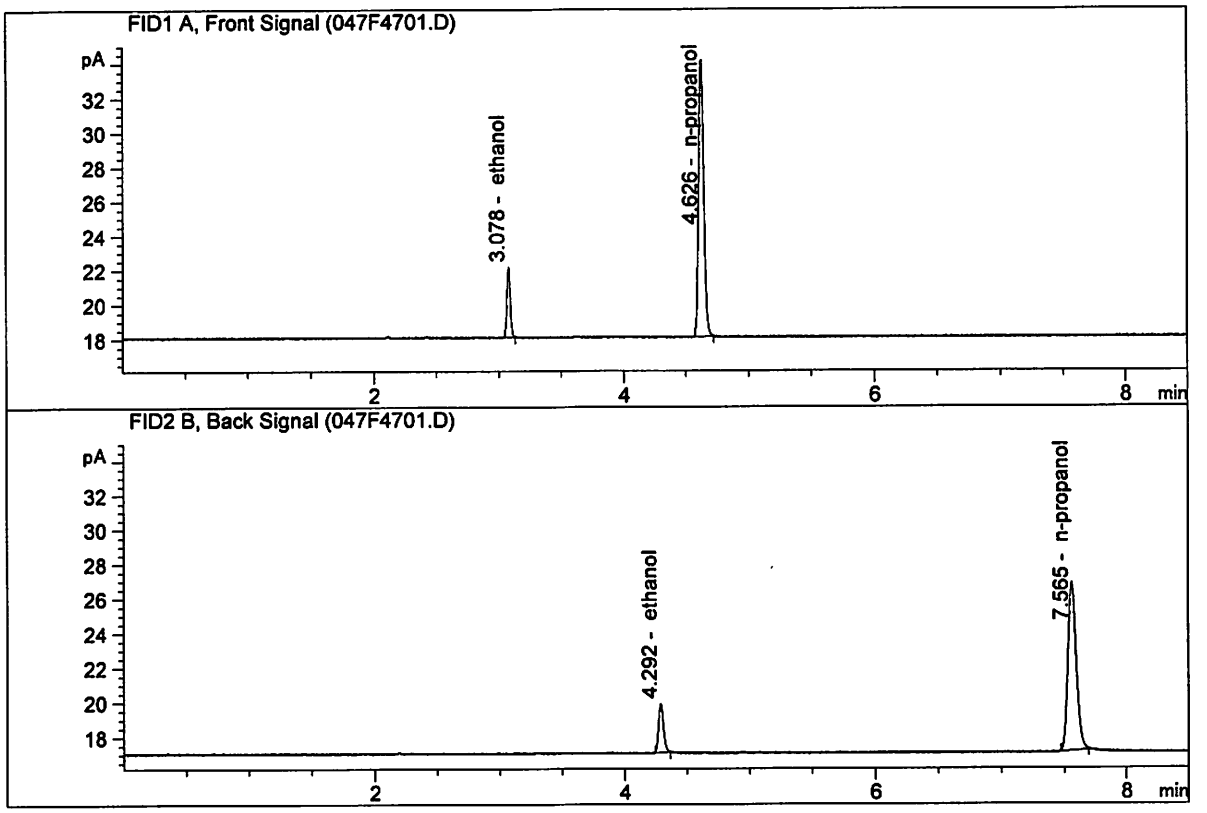
0.079

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

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

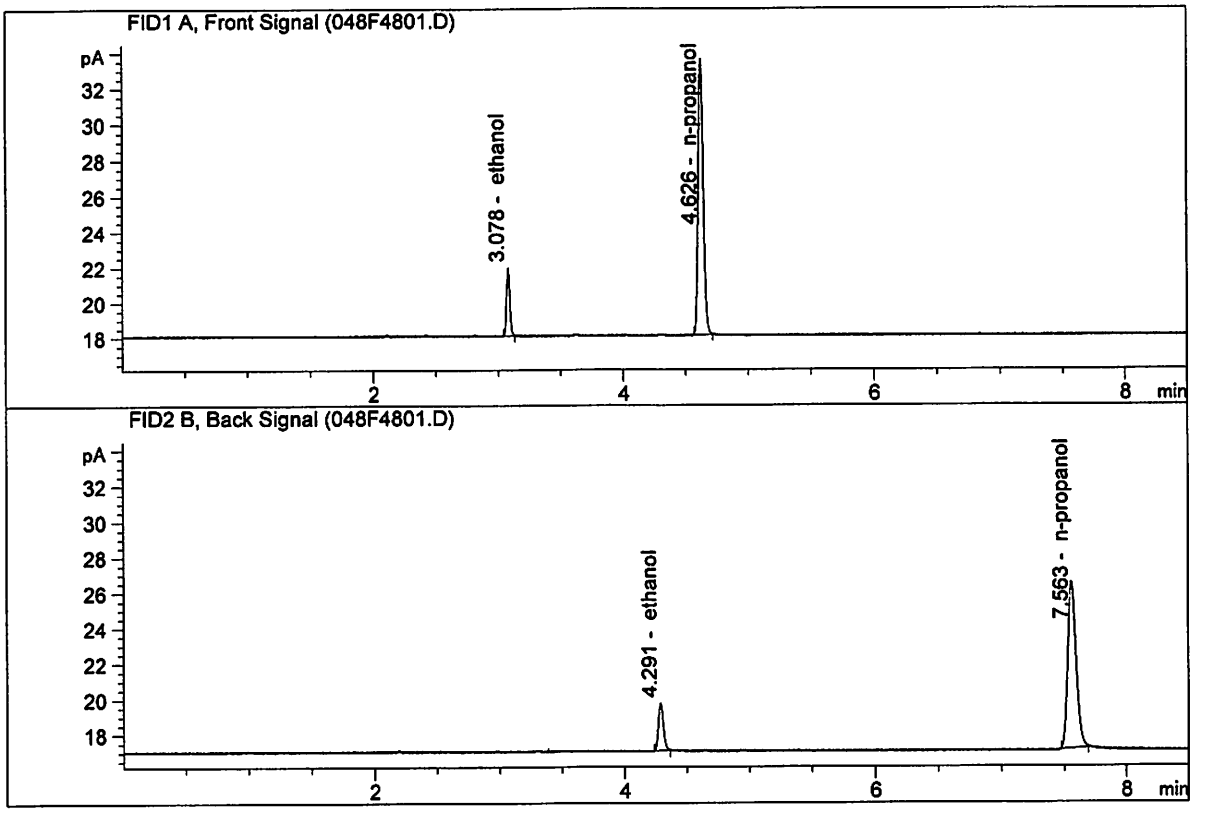


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.38161	0.0792	g/100cc
2.	Ethanol	Column 2:	7.56432	0.0805	g/100cc
3.	n-Propanol	Column 1:	45.66058	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.65562	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

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

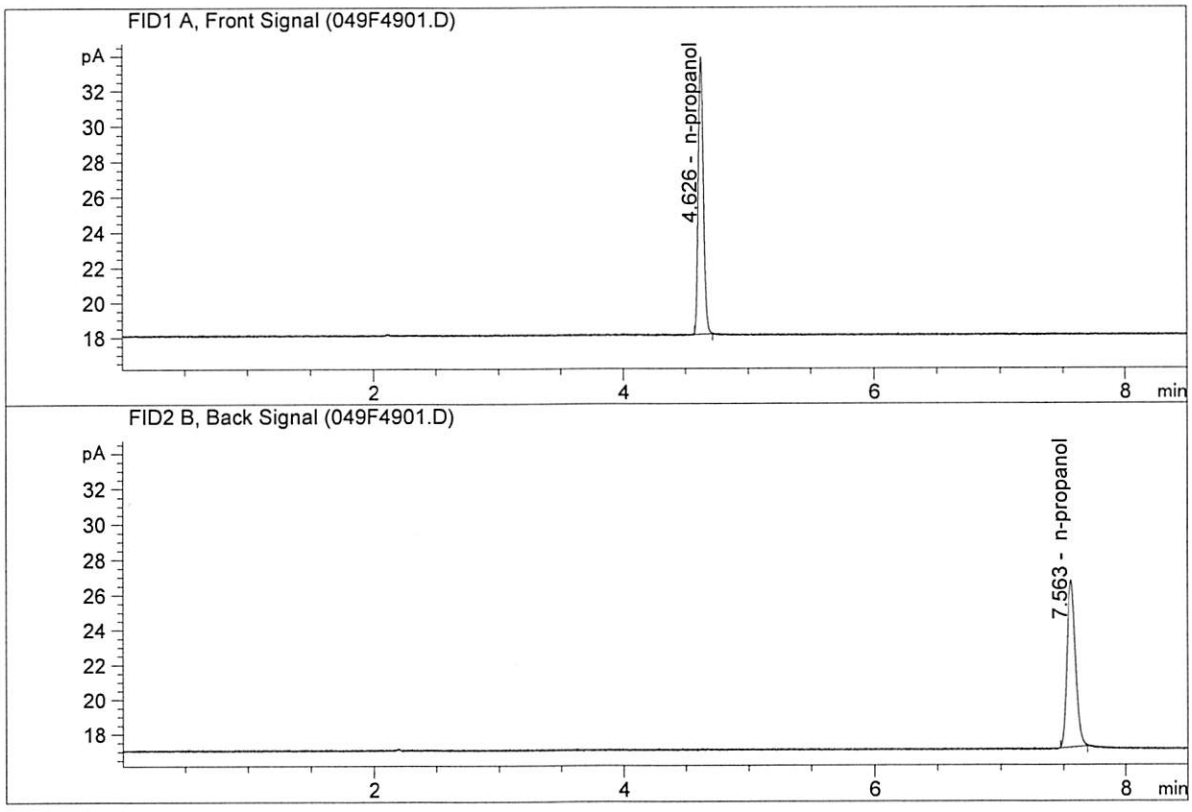


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.12744	0.0791	g/100cc
2.	Ethanol	Column 2:	7.26845	0.0802	g/100cc
3.	n-Propanol	Column 1:	44.13182	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.97974	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jun 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:	44.90608	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.86162	1.0000	g/100cc

JL

Sample Summary

Sequence table: C:\Chem32\1\Data\06-13-18_SAMPLES\06-13-18_SAMPLES 2018-06-13 16-12-17\06 13-18_SAMPLES.S
Data directory path: C:\Chem32\1\Data\06-13-18_SAMPLES\06-13-18_SAMPLES 2018-06-13 16-12-17\
Logbook: C:\Chem32\1\Data\06-13-18_SAMPLES\06-13-18_SAMPLES 2018-06-13 16-12-17\06 13-18_SAMPLES.LOG
Sequence start: 6/13/2018 4:27:03 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\06-13-18_SAMPLES\06-13-18_SAMPLES 2018-06-13 16-12-17 \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	M2018-2804-1-A	-	1.0000	007F0701.D		4
8	8	1	M2018-2804-1-B	-	1.0000	008F0801.D		4
9	9	1	M2018-2851-1-A	-	1.0000	009F0901.D		6
10	10	1	M2018-2851-1-B	-	1.0000	010F1001.D		6
11	11	1	M2018-2856-1-A	-	1.0000	011F1101.D		4
12	12	1	M2018-2856-1-B	-	1.0000	012F1201.D		4
13	13	1	M2018-2857-1-A	-	1.0000	013F1301.D		2
14	14	1	M2018-2857-1-B	-	1.0000	014F1401.D		2
15	15	1	M2018-2858-1-A	-	1.0000	015F1501.D		2
16	16	1	M2018-2858-1-B	-	1.0000	016F1601.D		2
17	17	1	M2018-2859-1-A	-	1.0000	017F1701.D		2
18	18	1	M2018-2859-1-B	-	1.0000	018F1801.D		2
19	19	1	M2018-2860-1-A	-	1.0000	019F1901.D		4
20	20	1	M2018-2860-1-B	-	1.0000	020F2001.D		4
21	21	1	M2018-2880-1-A	-	1.0000	021F2101.D		4
22	22	1	M2018-2880-1-B	-	1.0000	022F2201.D		4
23	23	1	M2018-2892-1-A	-	1.0000	023F2301.D		4
24	24	1	M2018-2892-1-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	M2018-2926-1-A	-	1.0000	027F2701.D		4
28	28	1	M2018-2926-1-B	-	1.0000	028F2801.D		4
29	29	1	M2018-2931-1-A	-	1.0000	029F2901.D		4
30	30	1	M2018-2931-1-B	-	1.0000	030F3001.D		4
31	31	1	M2018-2952-1-A	-	1.0000	031F3101.D		4
32	32	1	M2018-2952-1-B	-	1.0000	032F3201.D		4
33	33	1	M2018-2956-1-A	-	1.0000	033F3301.D		4
34	34	1	M2018-2956-1-B	-	1.0000	034F3401.D		4
35	35	1	M2018-2957-1-A	-	1.0000	035F3501.D		2
36	36	1	M2018-2957-1-B	-	1.0000	036F3601.D		2
37	37	1	M2018-2958-1-A	-	1.0000	037F3701.D		4
38	38	1	M2018-2958-1-B	-	1.0000	038F3801.D		4
39	39	1	M2018-2959-1-A	-	1.0000	039F3901.D		2
40	40	1	M2018-2959-1-B	-	1.0000	040F4001.D		2
41	41	1	M2018-2960-1-A	-	1.0000	041F4101.D		4
42	42	1	M2018-2960-1-B	-	1.0000	042F4201.D		4
43	43	1	M2018-2960-2-A	-	1.0000	043F4301.D		2

JG

Sequence File C:\Chem32\...8_SAMPLES\06-13-18_SAMPLES 2018-06-13 16-12-17\06-13-18_SAMPLES.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
44	44	1	M2018-2960-2-B	-	1.0000	044F4401.D		2
45	45	1	M2018-2967-1-A	-	1.0000	045F4501.D		4
46	46	1	M2018-2967-1-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	INTERNAL STD BLK	-	1.0000	049F4901.D		2

Method file name: C:\Chem32\1\Data\06-13-18_SAMPLES\06-13-18_SAMPLES 2018-06-13 16-12-17 \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

JG

Method C:\CHEM32\1\METHODS\ALCOHOL.M

Calibration Table

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

JG

Method C:\CHEM32\1\METHODS\ALCOHOL.M

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.586	1	1	1.00000	3.69669	2.70512e-1	No	No	1	methanol
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

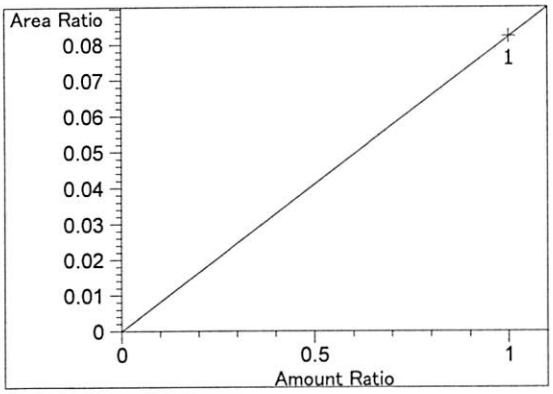
No Entries in table

41 Warnings or Errors (10 first messages follow) :

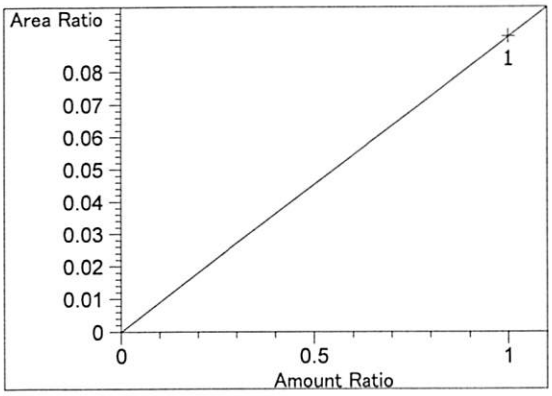
Warning : Curve requires more calibration points., (methanol)
Warning : Curve requires more calibration points. at 2.586 min, signal 1
Warning : Curve requires more calibration points. at 2.809 min, signal 1
Warning : Curve requires more calibration points. at 2.977 min, signal 2
Warning : Curve requires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

JG

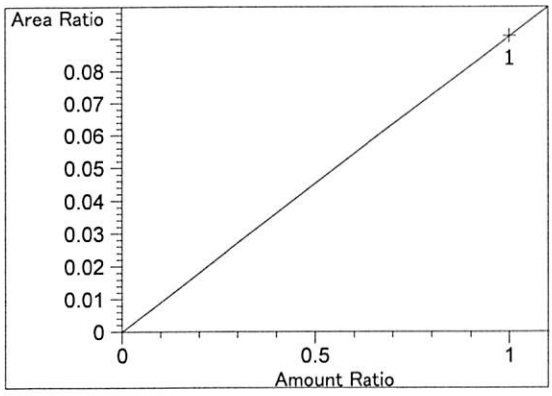
Calibration Curves



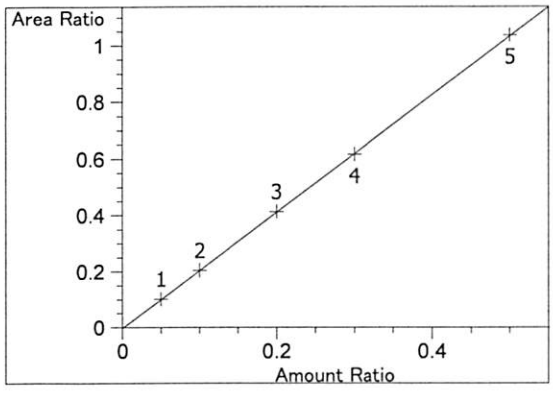
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.23288e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



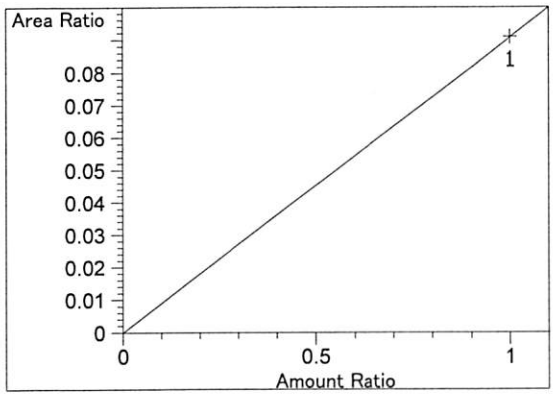
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.08135e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



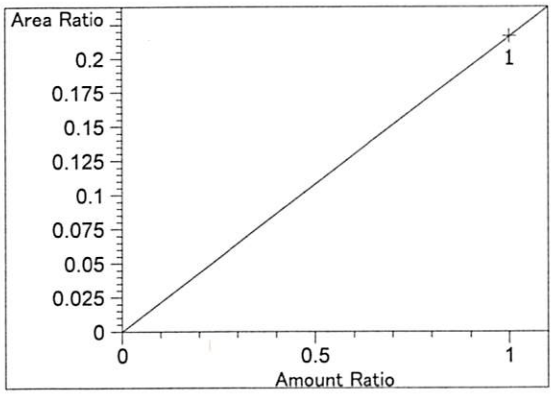
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.08135e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



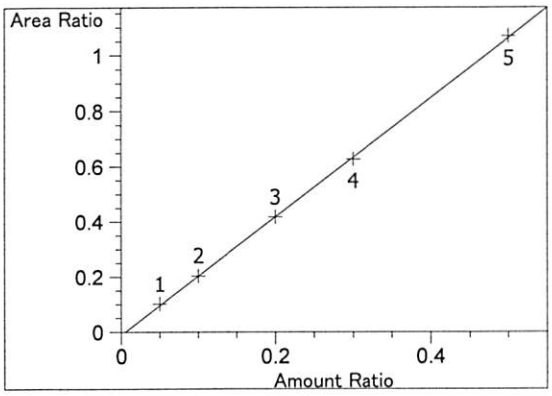
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00238
Formula: y = mx + b
m: 2.07568
b: -2.78554e-3
x: Amount Ratio
y: Area Ratio



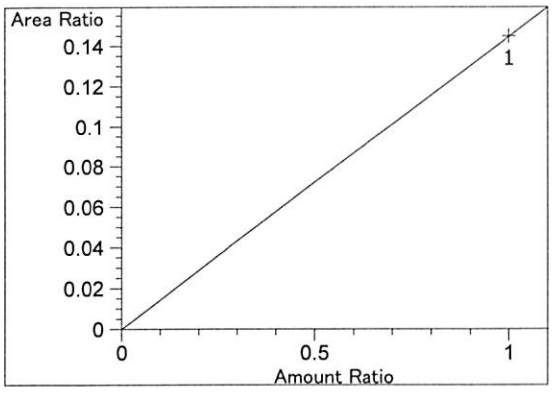
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.08055e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



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

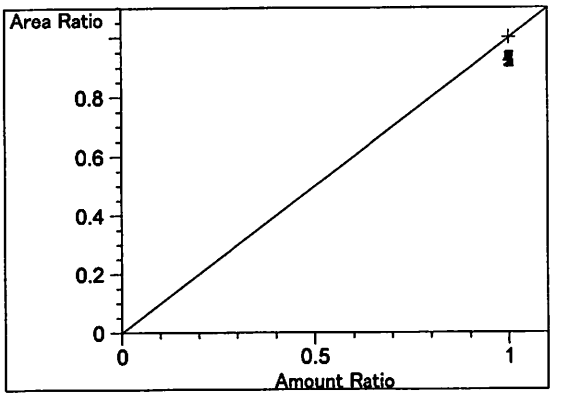


ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99992
Residual Std. Dev.: 0.00565
Formula: y = mx + b
m: 2.14966
b: -1.09080e-2
x: Amount Ratio
y: Area Ratio

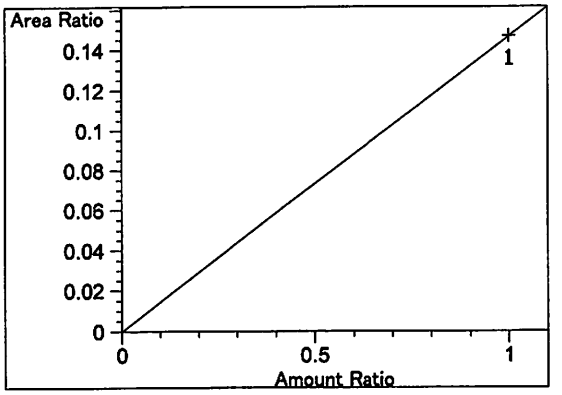


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.44748e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

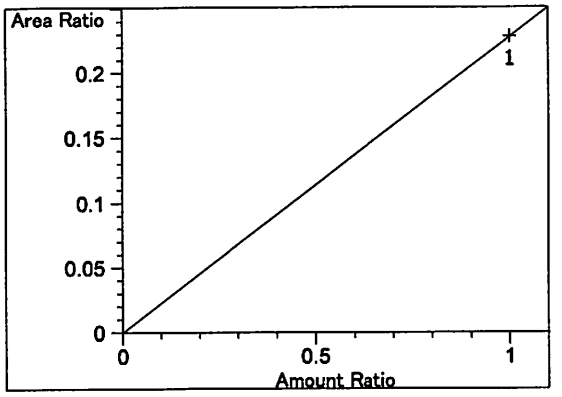
JC



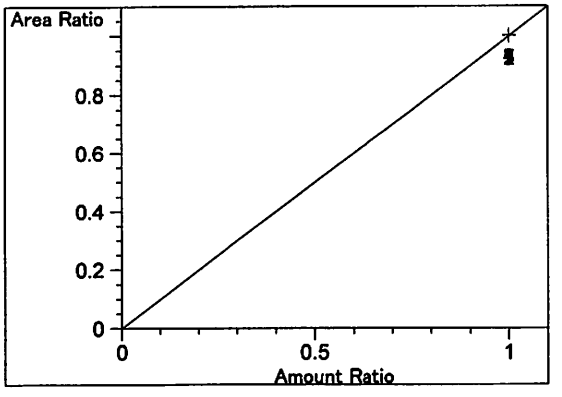
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



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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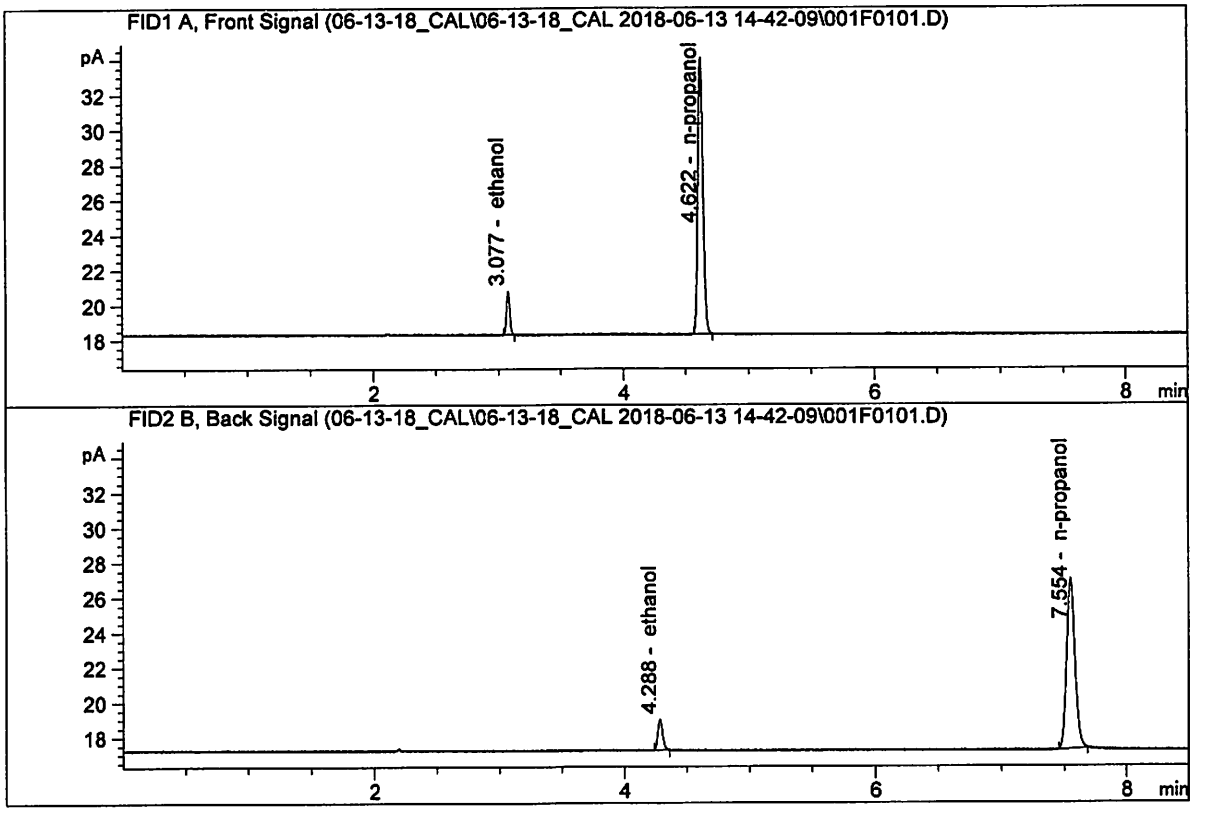
JC

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

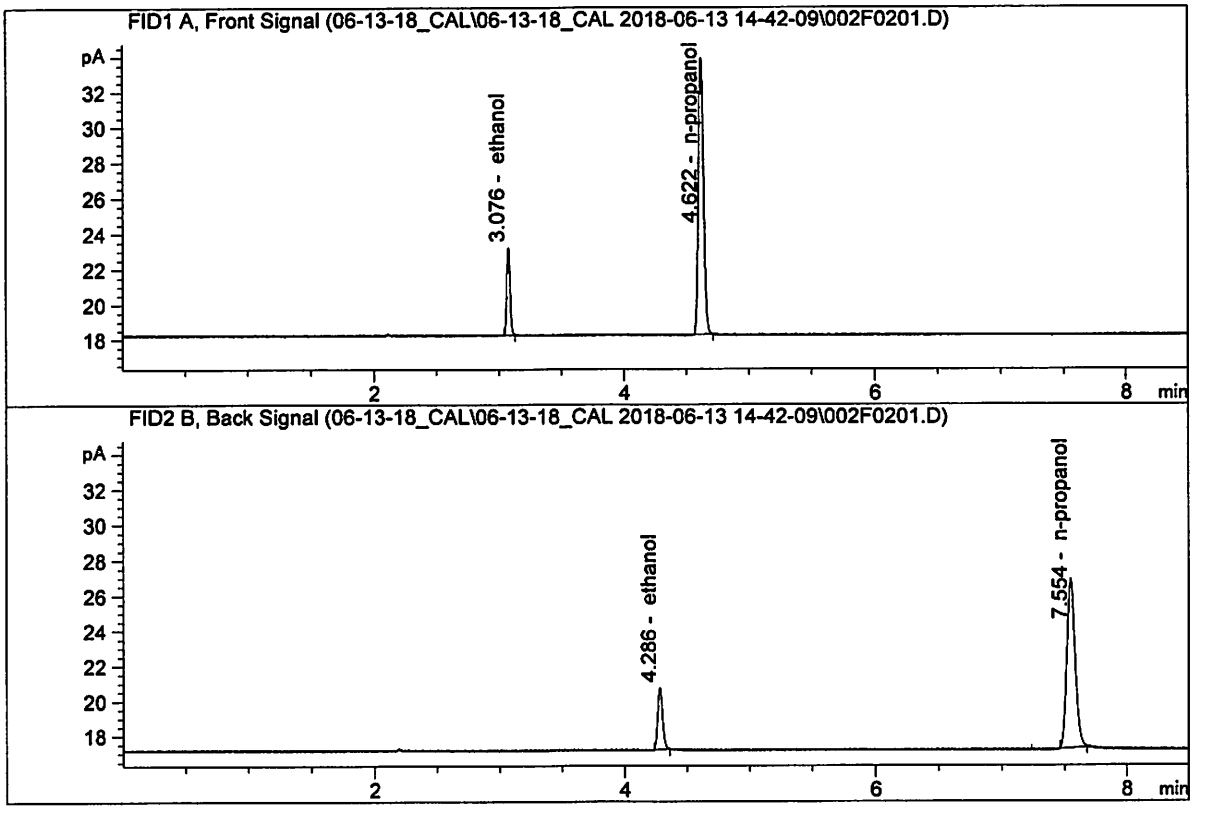


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.60181	0.0507	g/100cc
2.	Ethanol	Column 2:	4.73867	0.0521	g/100cc
3.	n-Propanol	Column 1:	44.90159	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.92032	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

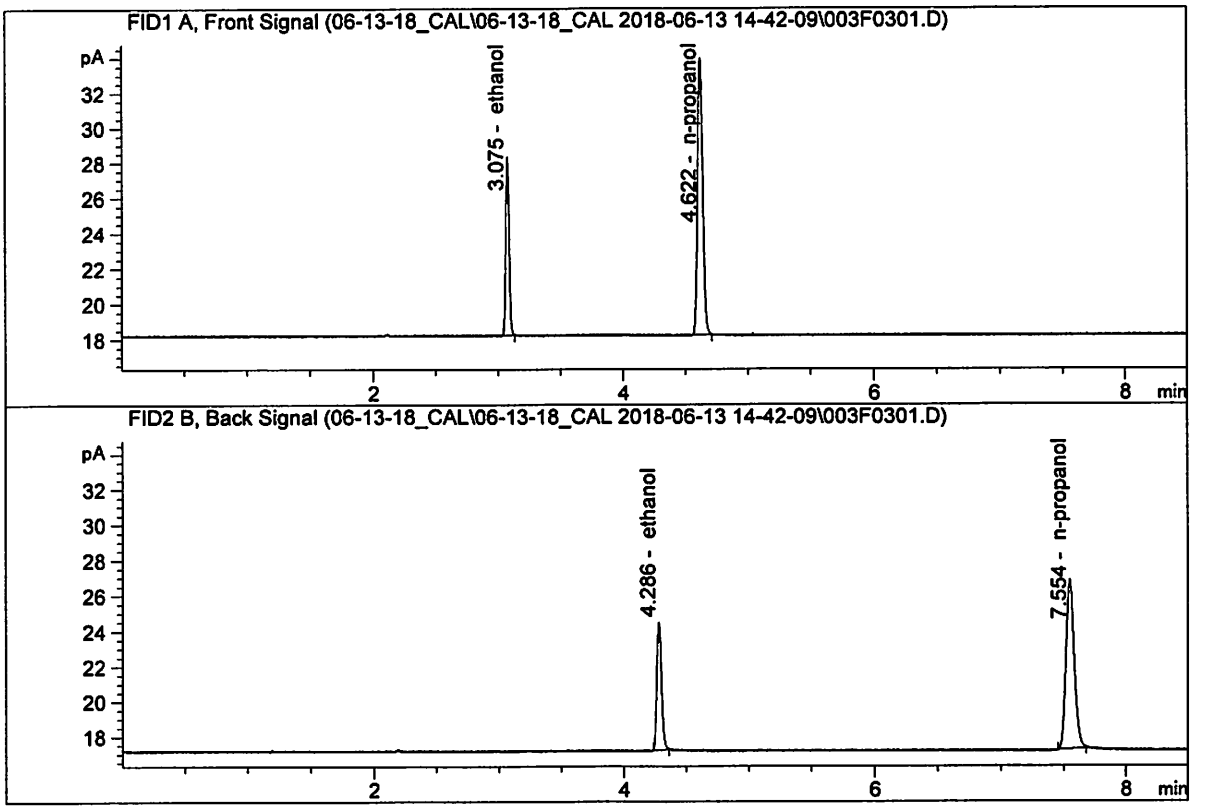
Sample Name : 0.100 FN06181501
Laboratory : Meridian
Injection Date : Jun 13, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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

ISP Forensic Services Blood Alcohol Report

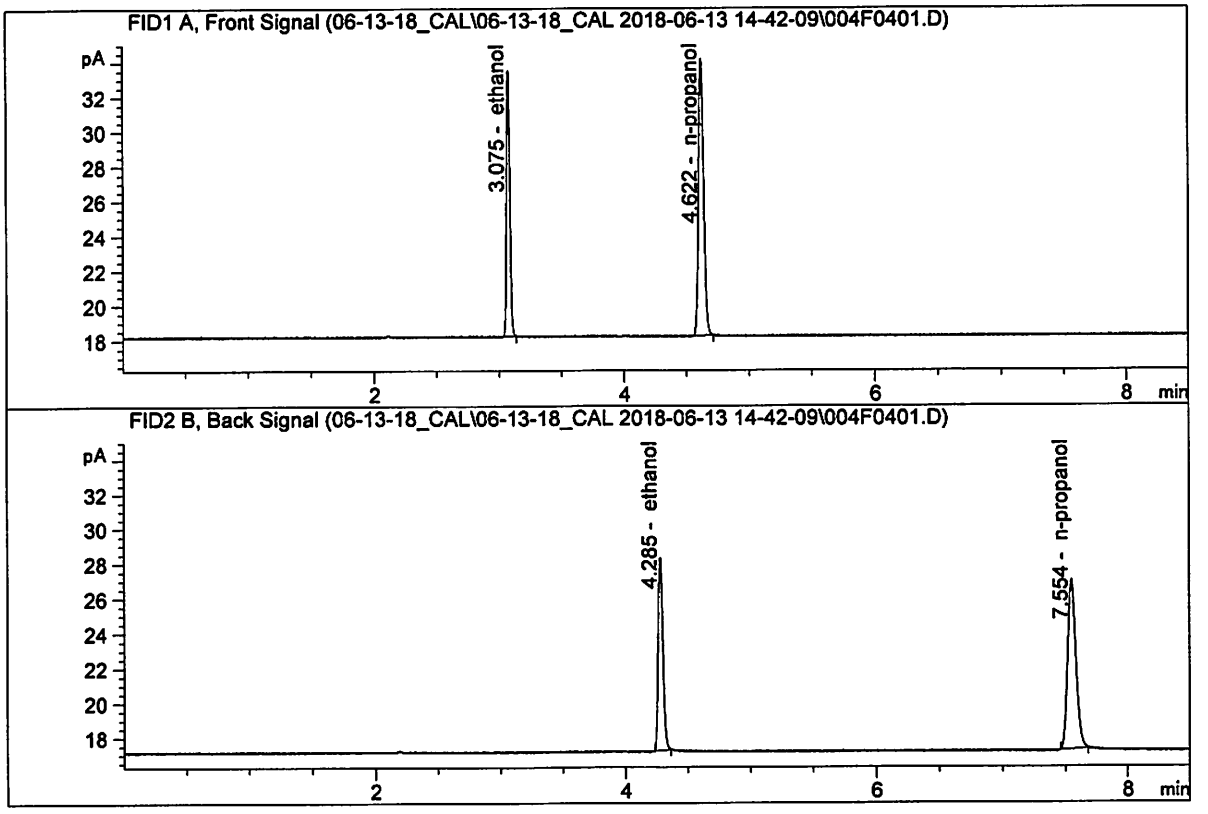
Sample Name : 0.200 FN03301601
Laboratory : Meridian
Injection Date : Jun 13, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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

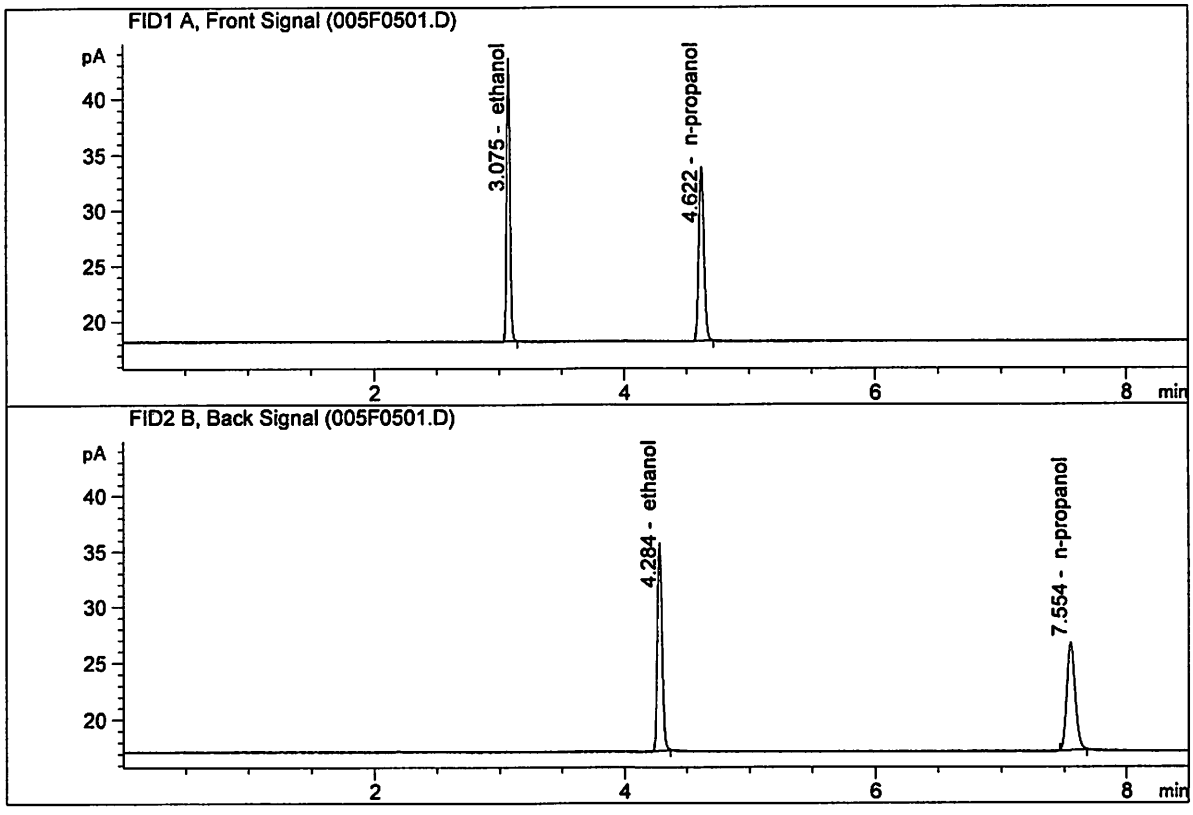


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.98400	0.2984	g/100cc
2.	Ethanol	Column 2:	29.31309	0.2966	g/100cc
3.	n-Propanol	Column 1:	45.38518	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.77221	1.0000	g/100cc

JC

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

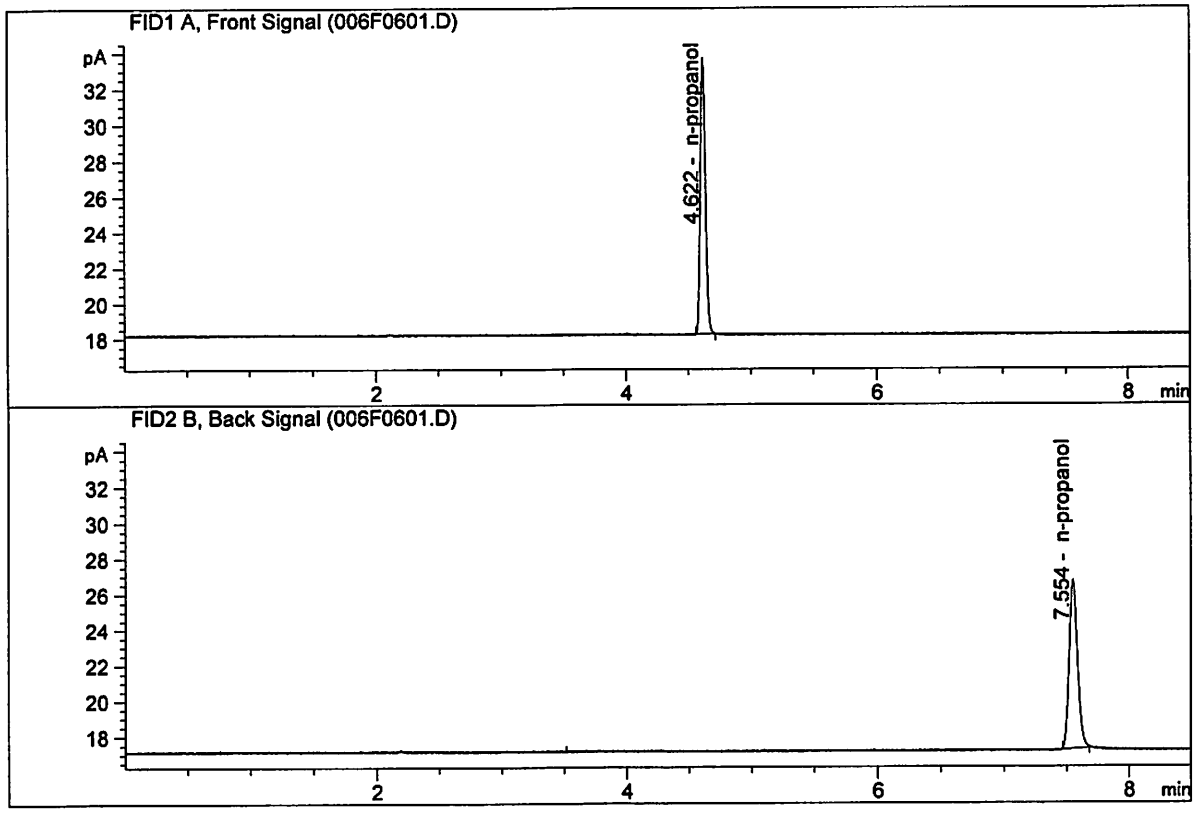


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.19414	0.5008	g/100cc
2.	Ethanol	Column 2:	48.83355	0.5021	g/100cc
3.	n-Propanol	Column 1:	44.55812	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.70259	1.0000	g/100cc

JG

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

JL

Sequence File C:\Chem32\1\Data\06-13-18_CAL\06-13-18_CAL 2018-06-13 14-42-09\06-13-18_CAL.S

Sample Summary

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

JG