REVIEWED
By Melissa (Nikka) Bradley at 1:19 pm, Jun 21, 2019

MB

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 600A Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls **Run Date(s): 6/11/19-6/12/19**

Calibration Date: 6/11/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0785 g/100cc
					0.0812 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2009 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**		**Lot #**	FN06041502	ok
Curve Fit:		**Column 1**	0.99993	**Column2**	0.99979

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0518	0.0536	0.0018	0.0527
100	0.100	0.090 - 0.110	0.1002	0.1002	0	0.1002
200	0.200	0.180 - 0.220	0.1992	0.1974	0.0018	0.1983
300	0.300	0.270 - 0.330	0.2967	0.2953	0.0014	0.296
500	0.500	0.450 - 0.550	0.5021	0.5034	0.0013	0.5027

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

REVIEWED
By Jeremy Johnston at 3:03 pm, Jun 13, 2019

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Revision: 1
Issue Date: 01/03/2019
Issuing Authority: Quality Manager

Worklist: 3468

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2019-2370	1	152298	Alcohol Analysis
M2019-2483	1	153051	Alcohol Analysis
M2019-2495	1	153082	Alcohol Analysis
M2019-2523	1	153159	Alcohol Analysis
M2019-2545	1	153448	Alcohol Analysis
M2019-2555	1	153582	Alcohol Analysis
M2019-2557	1	153592	Alcohol Analysis
M2019-2560	1	153660	Alcohol Analysis
M2019-2580	1	153711	Alcohol Analysis
M2019-2598	1	153789	Alcohol Analysis
M2019-2605	1	153802	Alcohol Analysis
M2019-2606	1	153806	Alcohol Analysis
M2019-2607	1	153807	Alcohol Analysis
M2019-2608	1	153811	Alcohol Analysis
M2019-2609	1	153812	Alcohol Analysis
M2019-2621	1	153936	Alcohol Analysis
M2019-2627	1	153950	Alcohol Analysis
P2019-1715	3	153667	Alcohol Analysis
P2019-1716	2	153661	Alcohol Analysis

SC

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Tuesday, June 11, 2019 4:10:29 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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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	4.37562	1.14270e-2	No	No	1	ethanol
		2	1.00000e-1	8.95804	1.11632e-2				
		3	2.00000e-1	18.02525	1.10955e-2				
		4	3.00000e-1	26.91838	1.11448e-2				
		5	5.00000e-1	44.61555	1.12069e-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	4.58838	1.08971e-2	No	No	2	ethanol
		2	1.00000e-1	9.33742	1.07096e-2				
		3	2.00000e-1	18.91997	1.05708e-2				
		4	3.00000e-1	28.43967	1.05486e-2				
		5	5.00000e-1	47.49100	1.05283e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	45.23441	2.21071e-2	No	Yes	1	n-propanol
		2	1.00000	46.90075	2.13216e-2				
		3	1.00000	46.92748	2.13095e-2				
		4	1.00000	46.88183	2.13302e-2				
		5	1.00000	45.78543	2.18410e-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	47.38522	2.11036e-2	No	Yes	2	n-propanol
		2	1.00000	48.94873	2.04295e-2				
		3	1.00000	48.96447	2.04230e-2				
		4	1.00000	48.73965	2.05172e-2				
		5	1.00000	47.37630	2.11076e-2				

Peak Sum Table

No Entries in table

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1 Warnings or Errors :

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

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Calibration Curves

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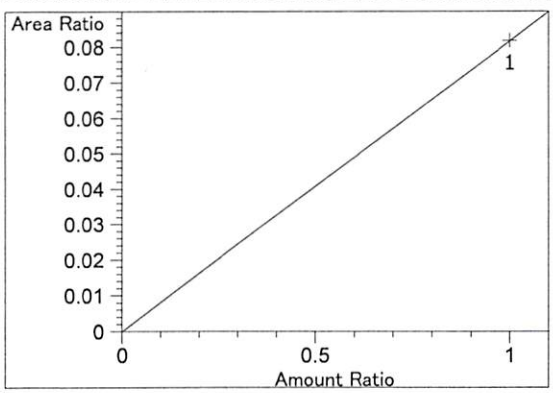

methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.17231e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

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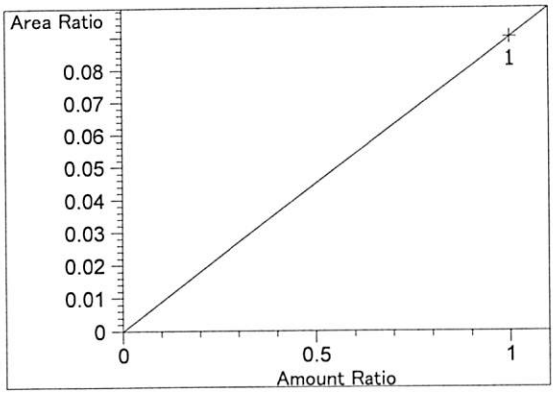
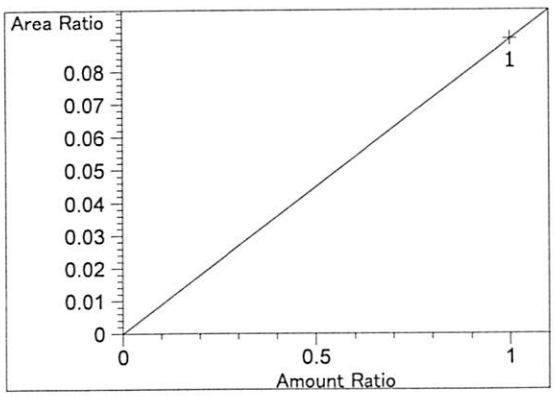
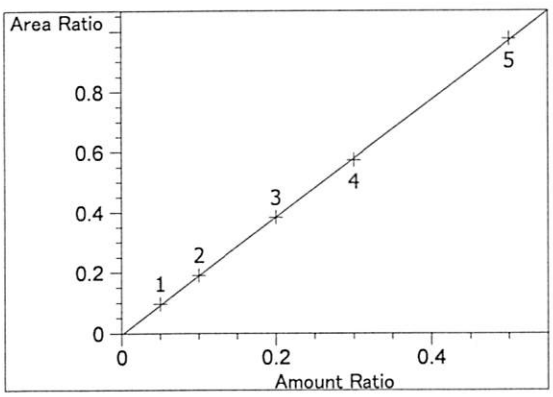


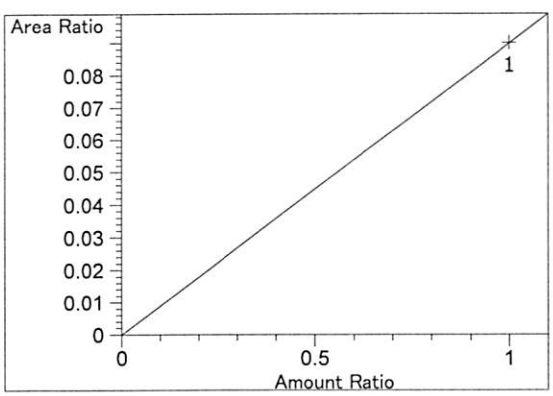
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.99225e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.99225e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99993
Residual Std. Dev.: 0.00489
Formula: y = mx + b
m: 1.94944
b: -4.27841e-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: 8.99146e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

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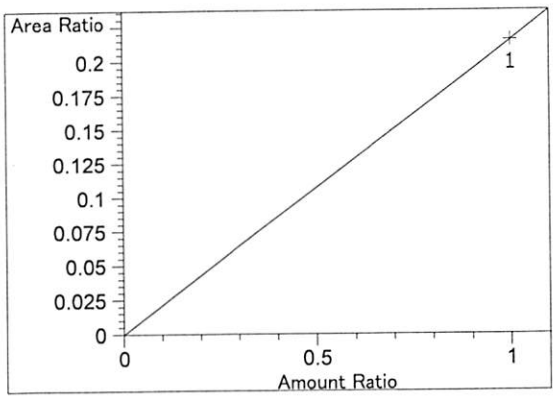
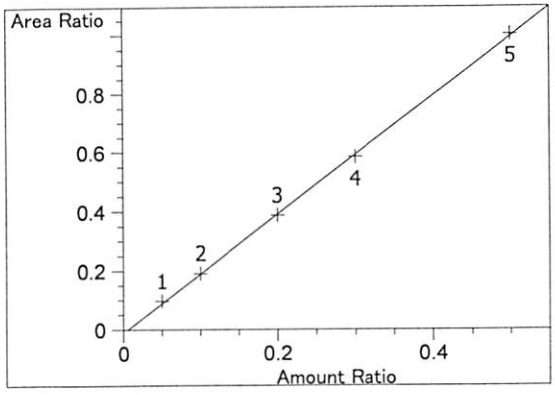
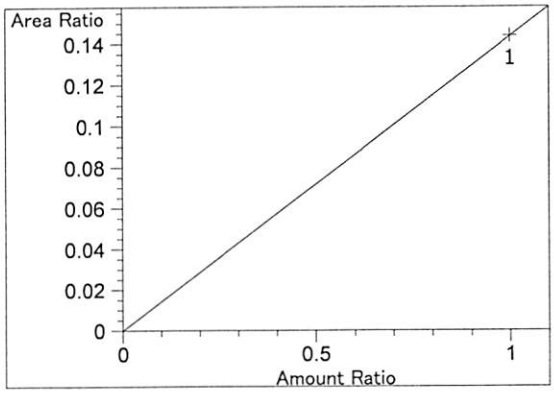


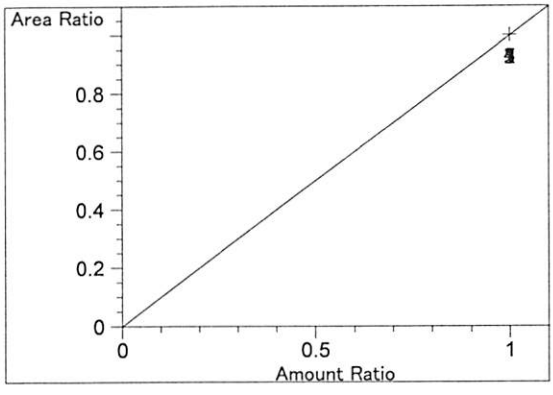
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.15114e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



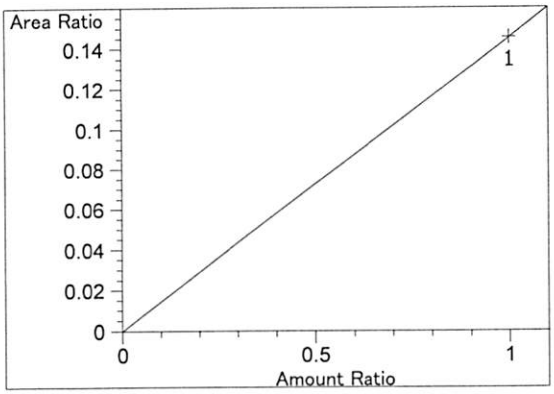
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99979
Residual Std. Dev.: 0.00847
Formula: y = mx + b
m: 2.01311
b: -1.10328e-2
x: Amount Ratio
y: Area Ratio



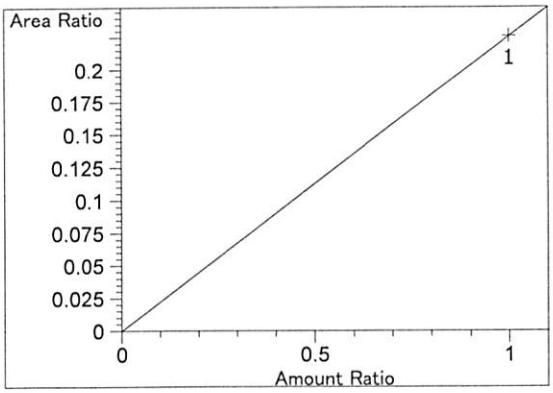
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.43683e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



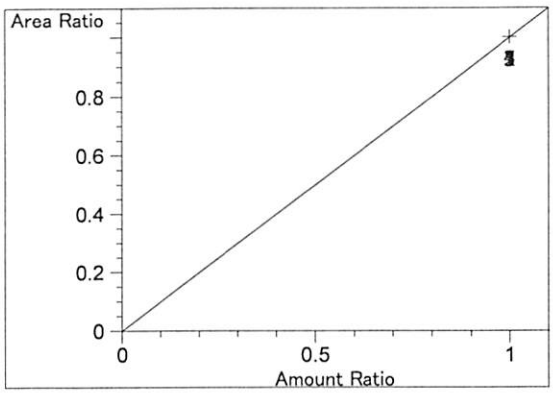
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.45467e-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: 2.25944e-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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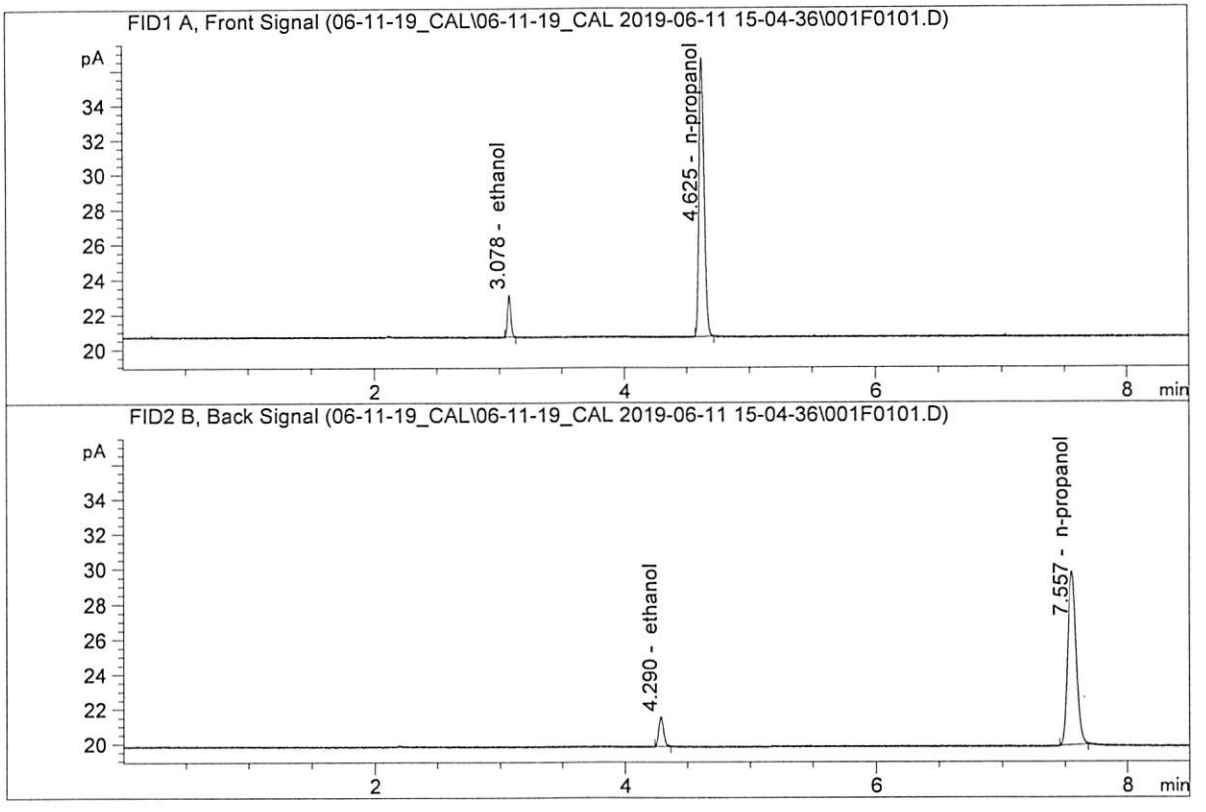
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN04271601
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.37562	0.0518	g/100cc
2.	Ethanol	Column 2:	4.58838	0.0536	g/100cc
3.	n-Propanol	Column 1:	45.23441	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.38522	1.0000	g/100cc

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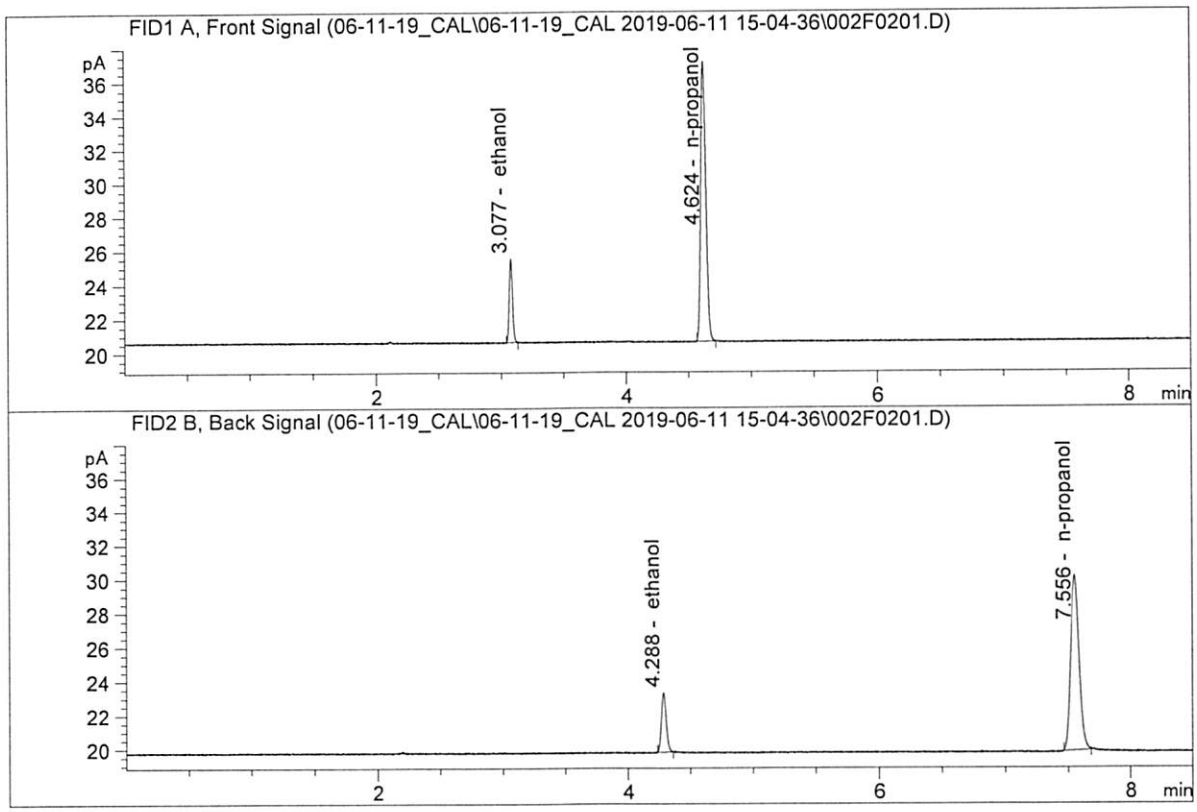
ISP Forensic Services Blood Alcohol Report

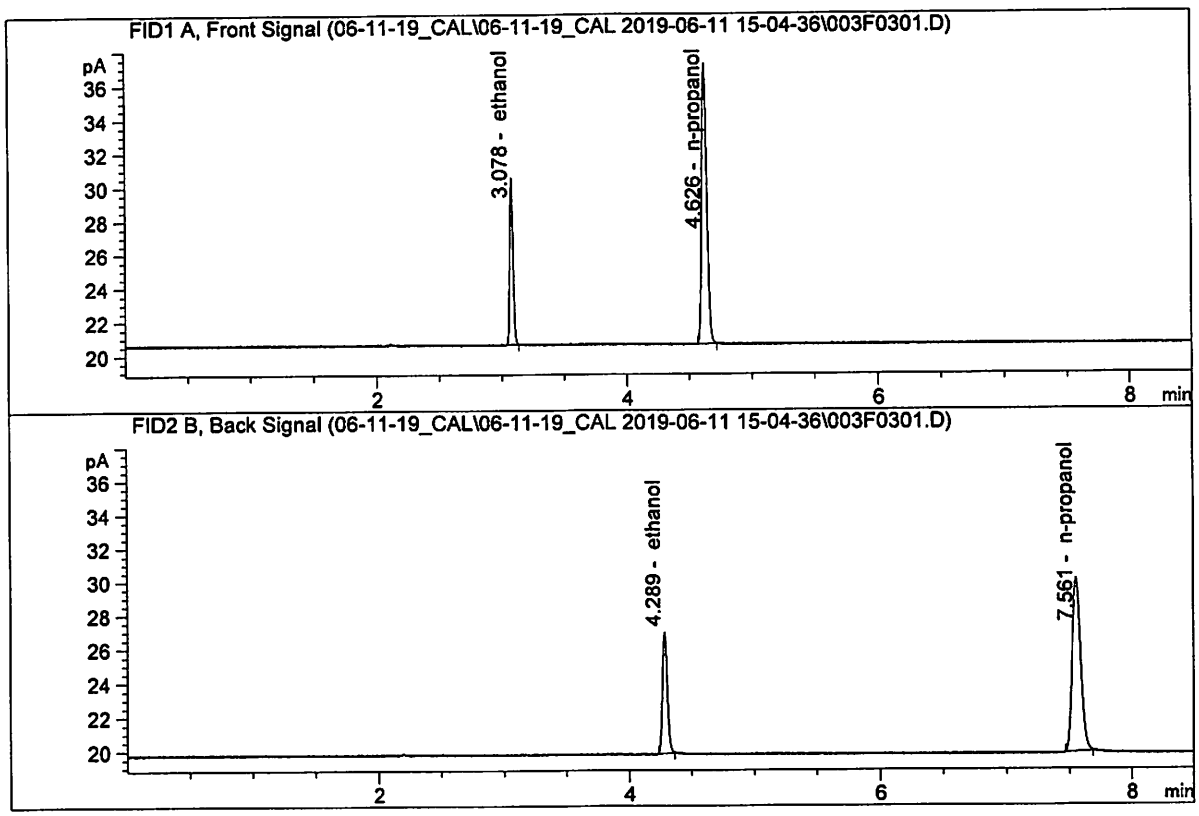
Sample Name : 0.100 FN08101601
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.95804	0.1002	g/100cc
2.	Ethanol	Column 2:	9.33742	0.1002	g/100cc
3.	n-Propanol	Column 1:	46.90075	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.94873	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN03301601
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.02525	0.1992	g/100cc
2.	Ethanol	Column 2:	18.91997	0.1974	g/100cc
3.	n-Propanol	Column 1:	46.92748	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.96447	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

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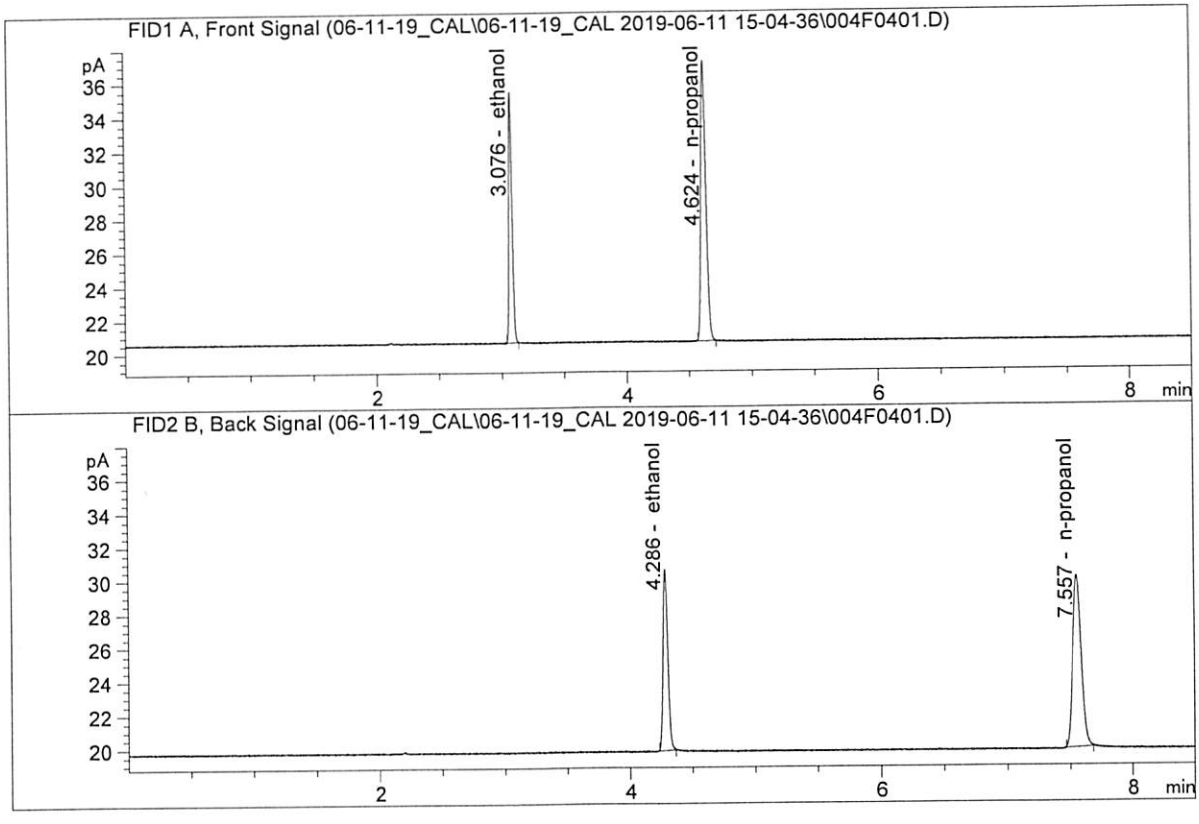
Sample Name	:	0.300 ~~FN02121601~~ FN0731804
Laboratory	:	Meridian
Injection Date	:	Jun 11, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.91838	0.2967	g/100cc
2.	Ethanol	Column 2:	28.43967	0.2953	g/100cc
3.	n-Propanol	Column 1:	46.88183	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.73965	1.0000	g/100cc

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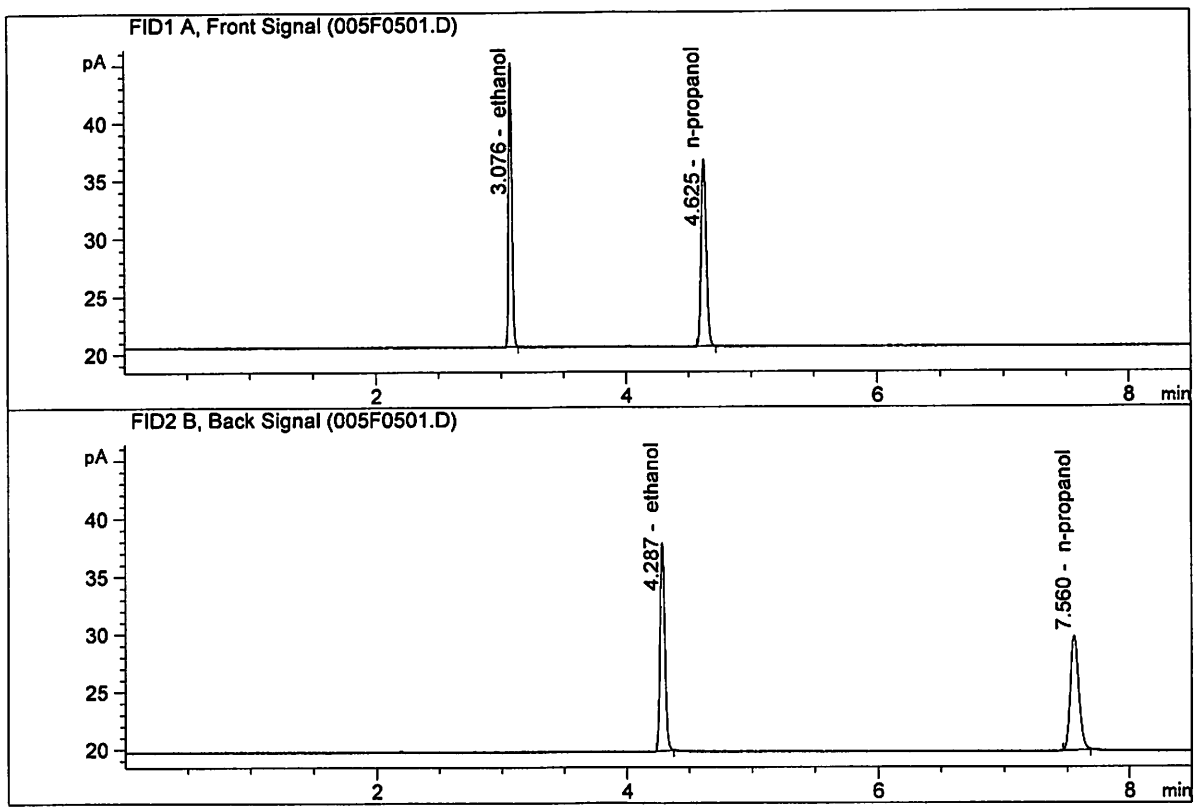
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.61555	0.5021	g/100cc
2.	Ethanol	Column 2:	47.49100	0.5034	g/100cc
3.	n-Propanol	Column 1:	45.78543	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.37630	1.0000	g/100cc

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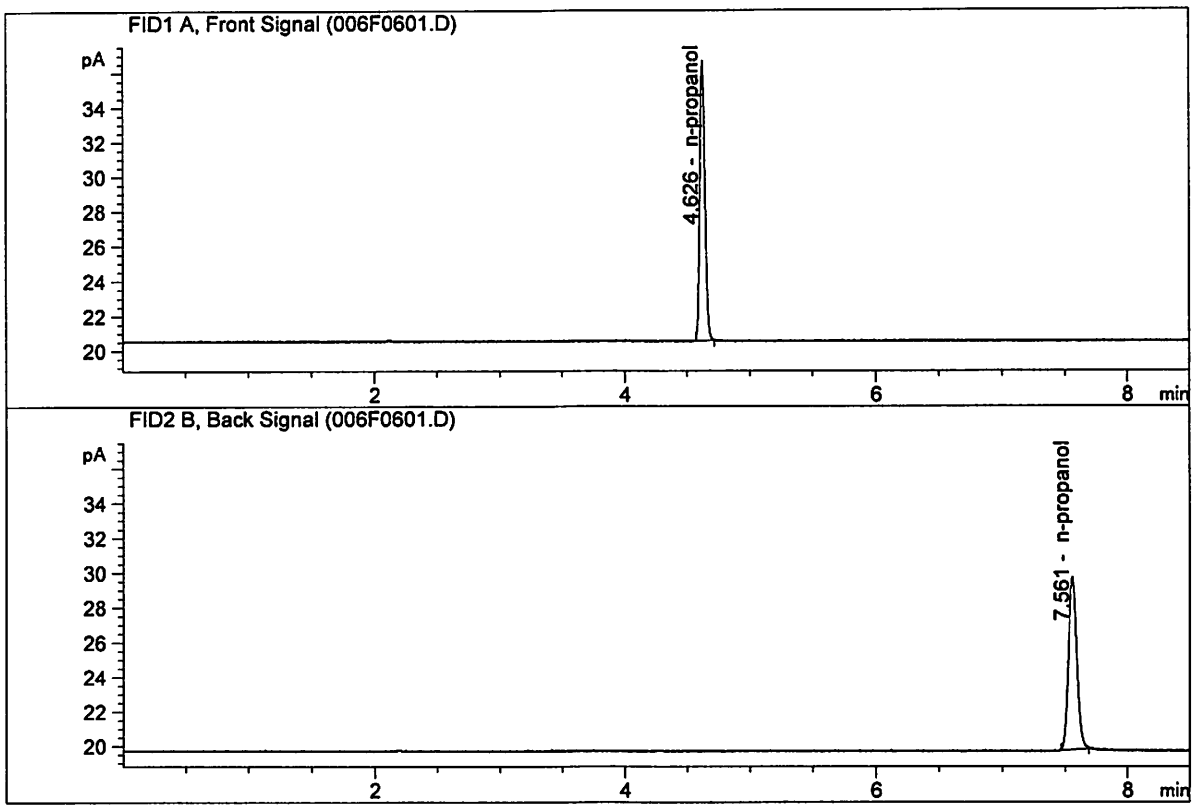
ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Jun 11, 2019
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:	45.79245	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.58323	1.0000	g/100cc

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Sequence File C:\Chem32\1\Data\06-11-19_CAL\06-11-19_CAL 2019-06-11 15-04-36\06-11-19_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\06-11-19_CAL\06-11-19_CAL 2019-06-11 15-04-36\06-11-19_CAL.S
Data directory path: C:\Chem32\1\Data\06-11-19_CAL\06-11-19_CAL 2019-06-11 15-04-36\
Logbook: C:\Chem32\1\Data\06-11-19_CAL\06-11-19_CAL 2019-06-11 15-04-36\06-11-19_CAL.LOG
Sequence start: 6/11/2019 3:19:55 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\06-11-19_CAL\06-11-19_CAL 2019-06-11 15-04-36\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN04271601	-	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~~ FN07311804	-	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

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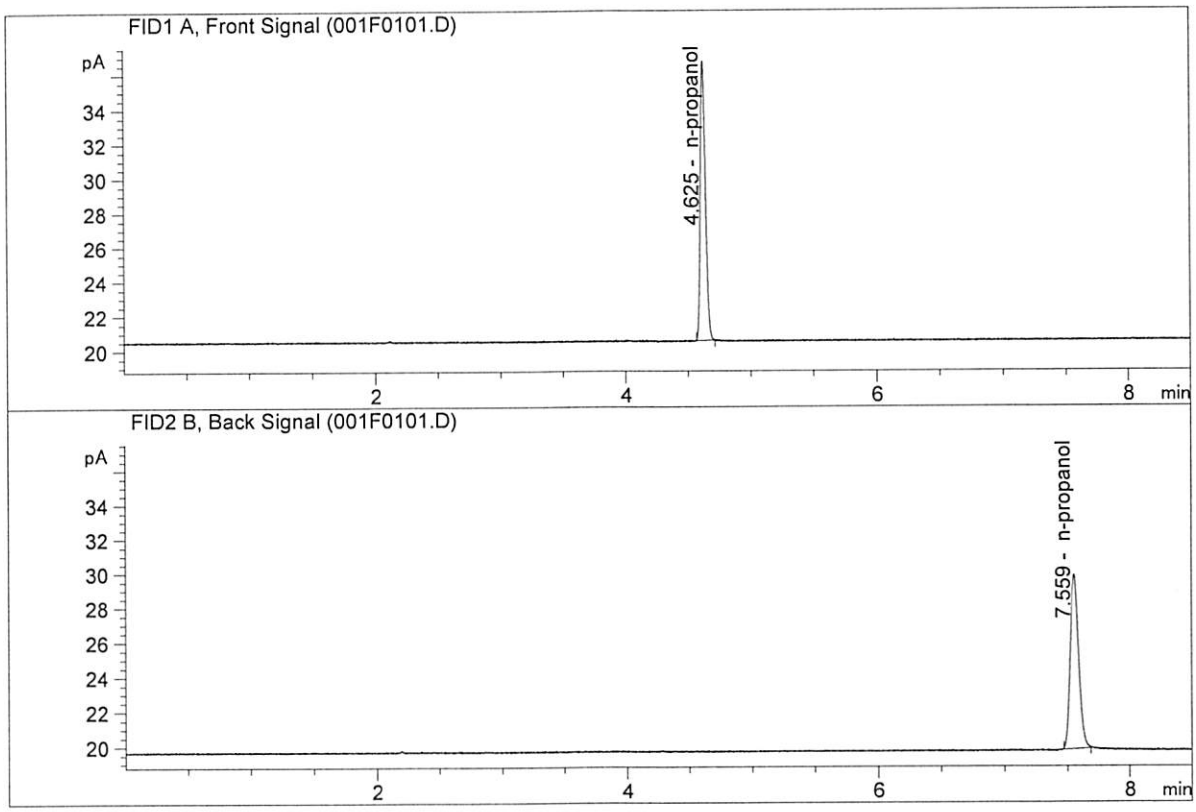
ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Jun 11, 2019
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:	45.89579	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.86593	1.0000	g/100cc

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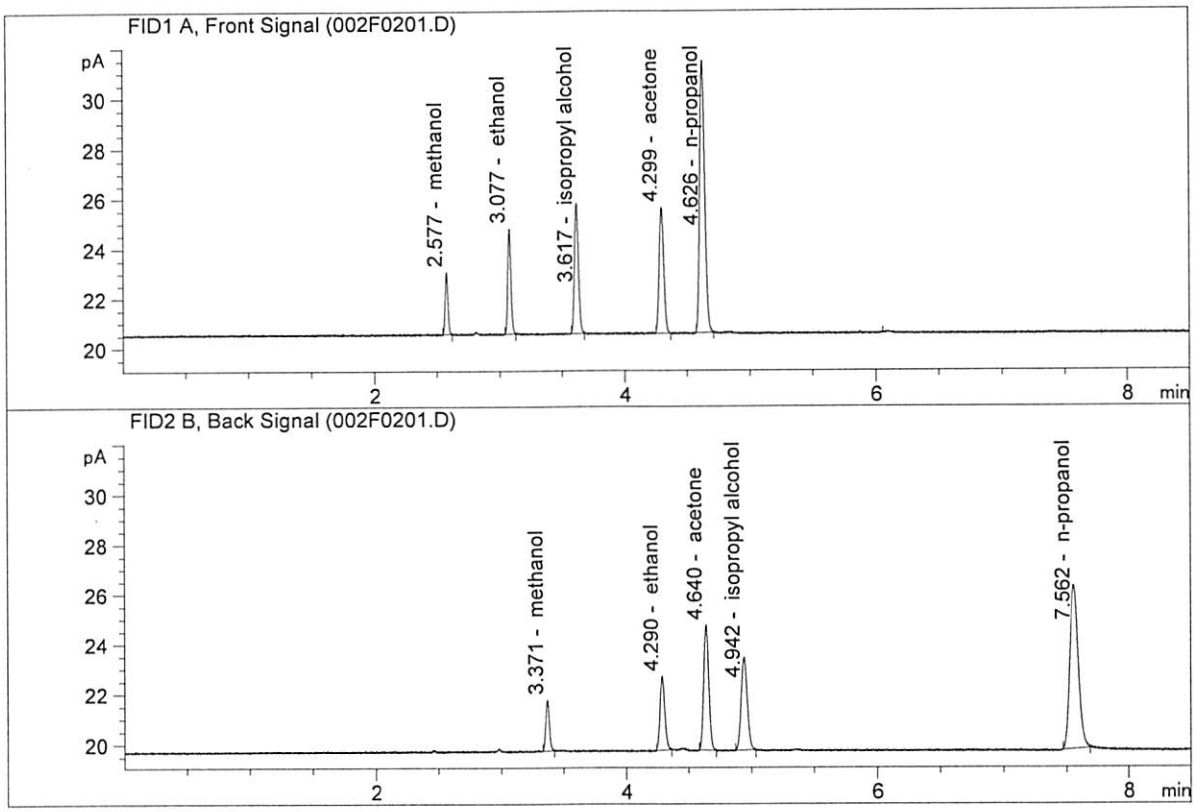
ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.48991	0.1278	g/100cc
2.	Ethanol	Column 2:	7.74720	0.1284	g/100cc
3.	n-Propanol	Column 1:	30.57918	1.0000	g/100cc
4.	n-Propanol	Column 2:	31.31282	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 11 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0781	0.0787	0.0006	0.0784	0.0785	
(g/100cc)	0.0783	0.0791	0.0008	0.0787		

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
0.078	0.074	0.082	0.004

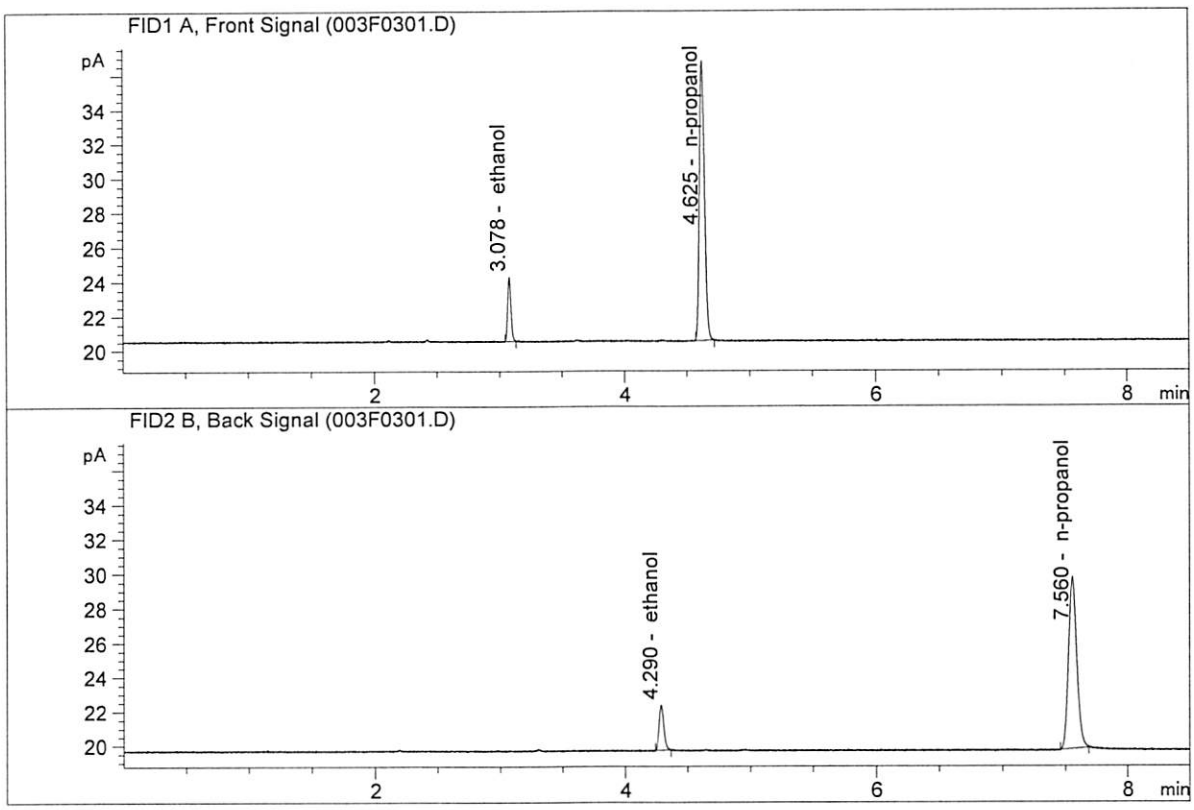
	Reported Result	
	0.078	

Calibration and control data are stored centrally.

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

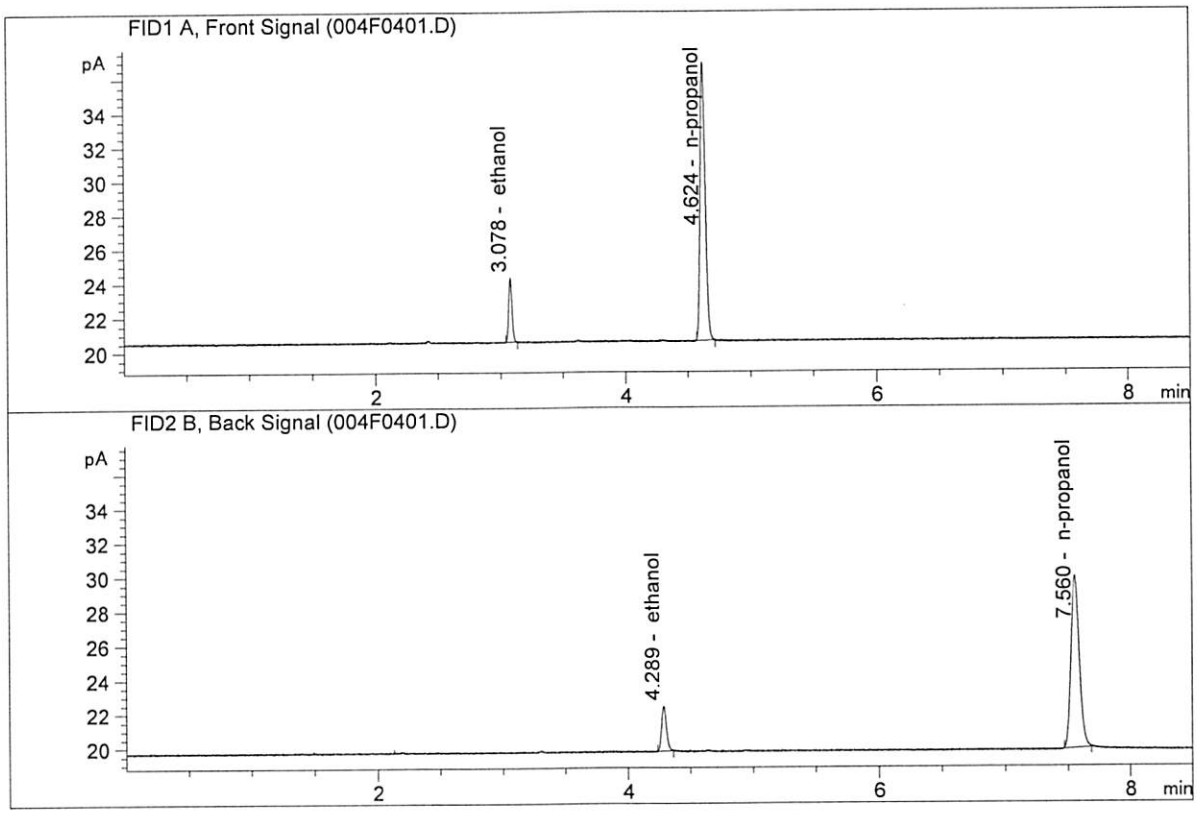


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.82360	0.0781	g/100cc
2.	Ethanol	Column 2:	7.05007	0.0787	g/100cc
3.	n-Propanol	Column 1:	46.09462	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.80518	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.86756	0.0783	g/100cc
2.	Ethanol	Column 2:	7.09939	0.0791	g/100cc
3.	n-Propanol	Column 1:	46.29890	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.90994	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 11 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0814	0.0822	0.0008	0.0818	0.0819	
(g/100cc)	0.0818	0.0823	0.0005	0.0820		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

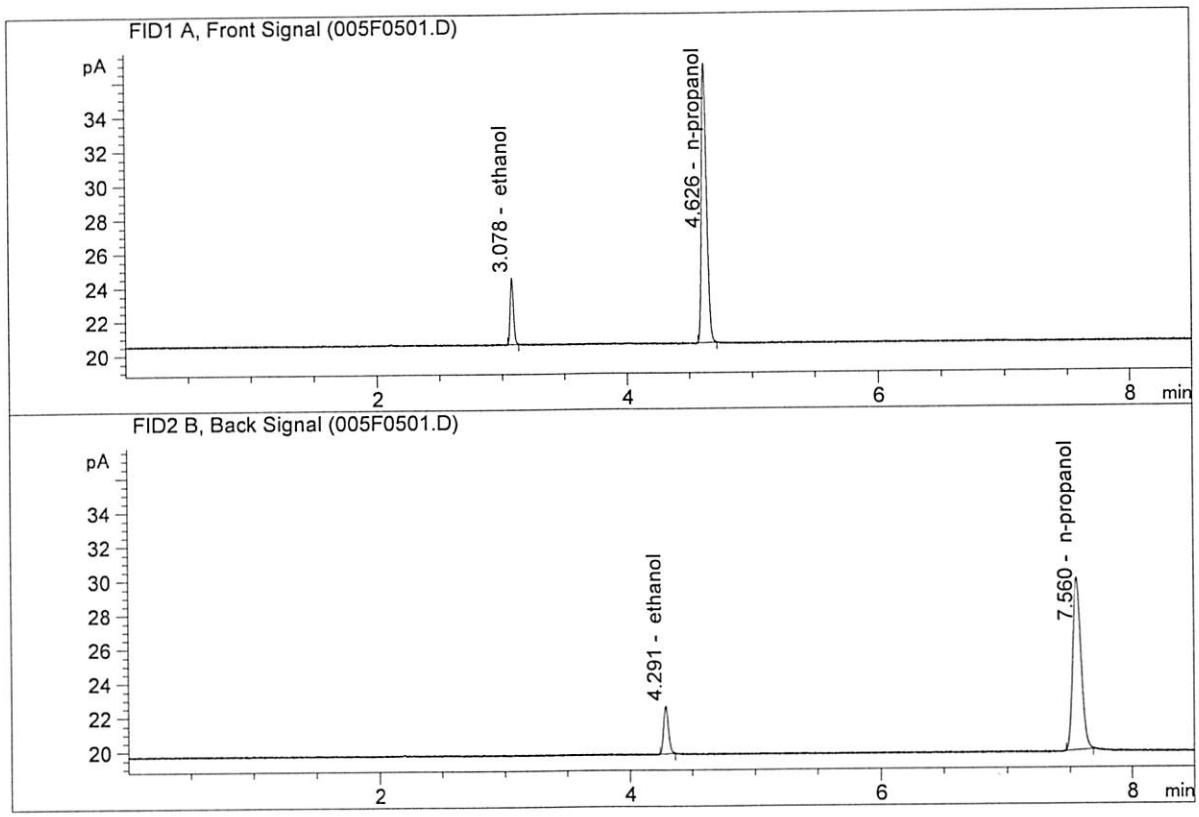
	Reported Result	
	0.081	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

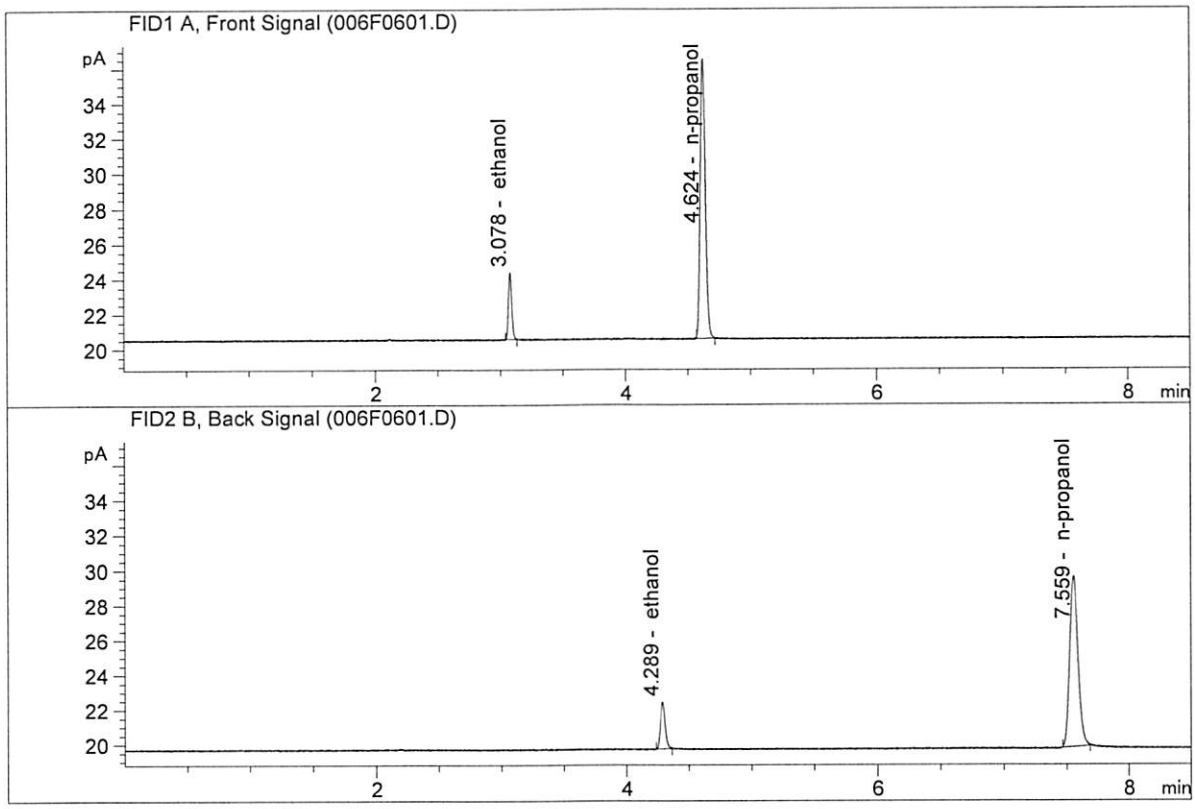


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.16988	0.0814	g/100cc
2.	Ethanol	Column 2:	7.42255	0.0822	g/100cc
3.	n-Propanol	Column 1:	46.45560	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.03486	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.03234	0.0818	g/100cc
2.	Ethanol	Column 2:	7.24636	0.0823	g/100cc
3.	n-Propanol	Column 1:	45.29172	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.87545	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 11 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2014	0.2008	0.0006	0.2011	0.2009	
(g/100cc)	0.2010	0.2007	0.0003	0.2008		

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**

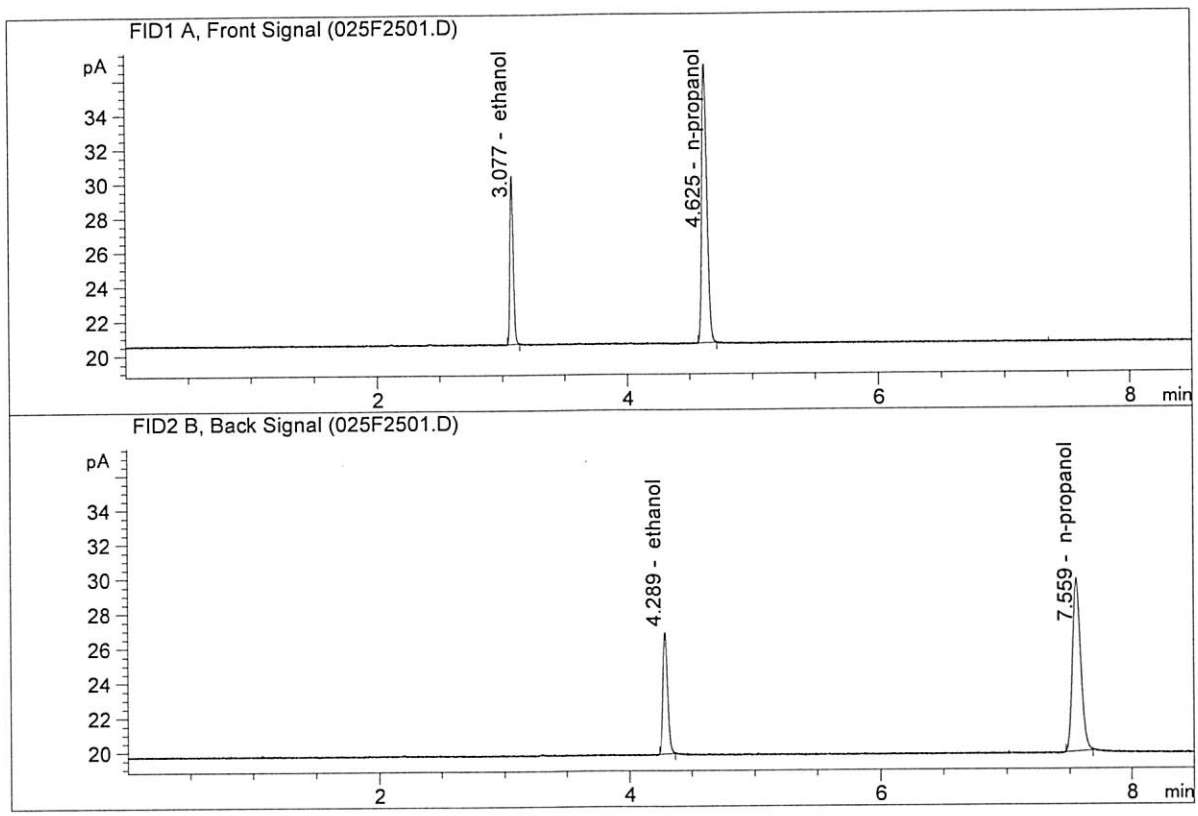
	Reported Result	
	0.200	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

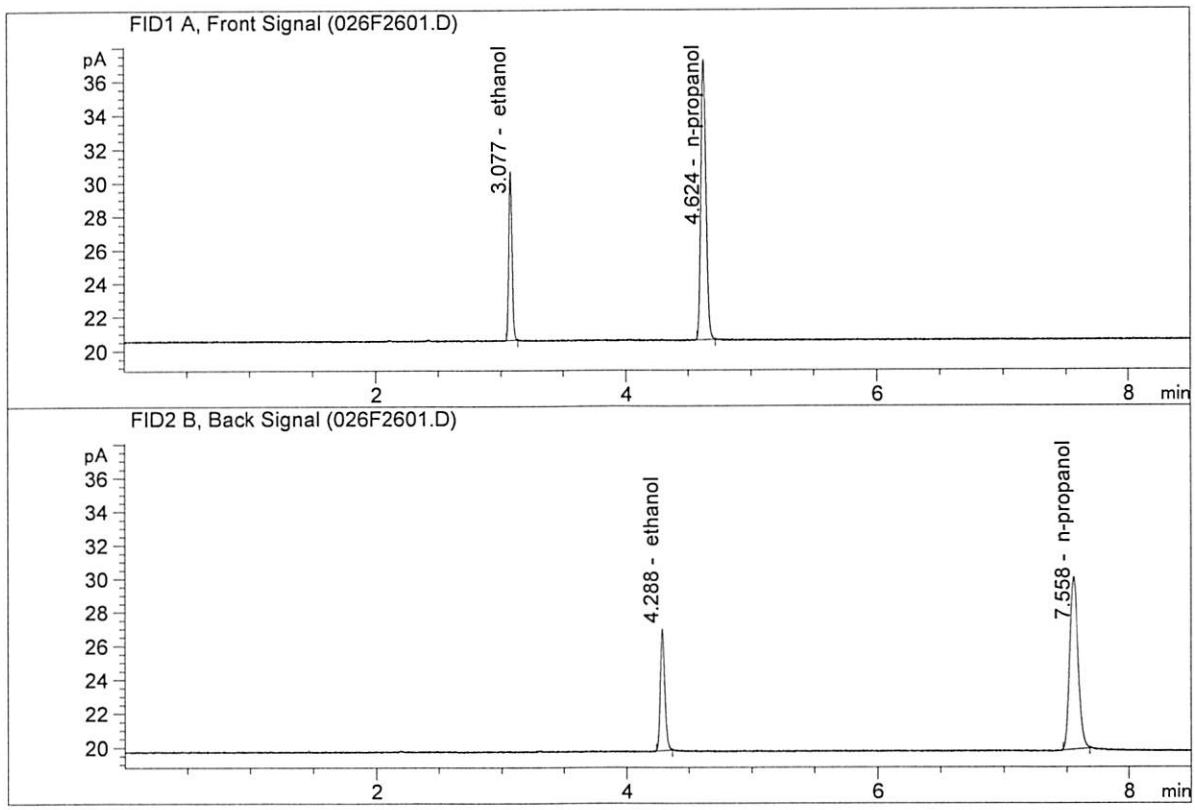


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.87233	0.2014	g/100cc
2.	Ethanol	Column 2:	18.64492	0.2008	g/100cc
3.	n-Propanol	Column 1:	46.01360	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.42274	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Jun 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.26911	0.2010	g/100cc
2.	Ethanol	Column 2:	19.08963	0.2007	g/100cc
3.	n-Propanol	Column 1:	47.14238	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.57249	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 12 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0820	0.0826	0.0006	0.0823	0.0812	
(g/100cc)	0.0799	0.0804	0.0005	0.0801		

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

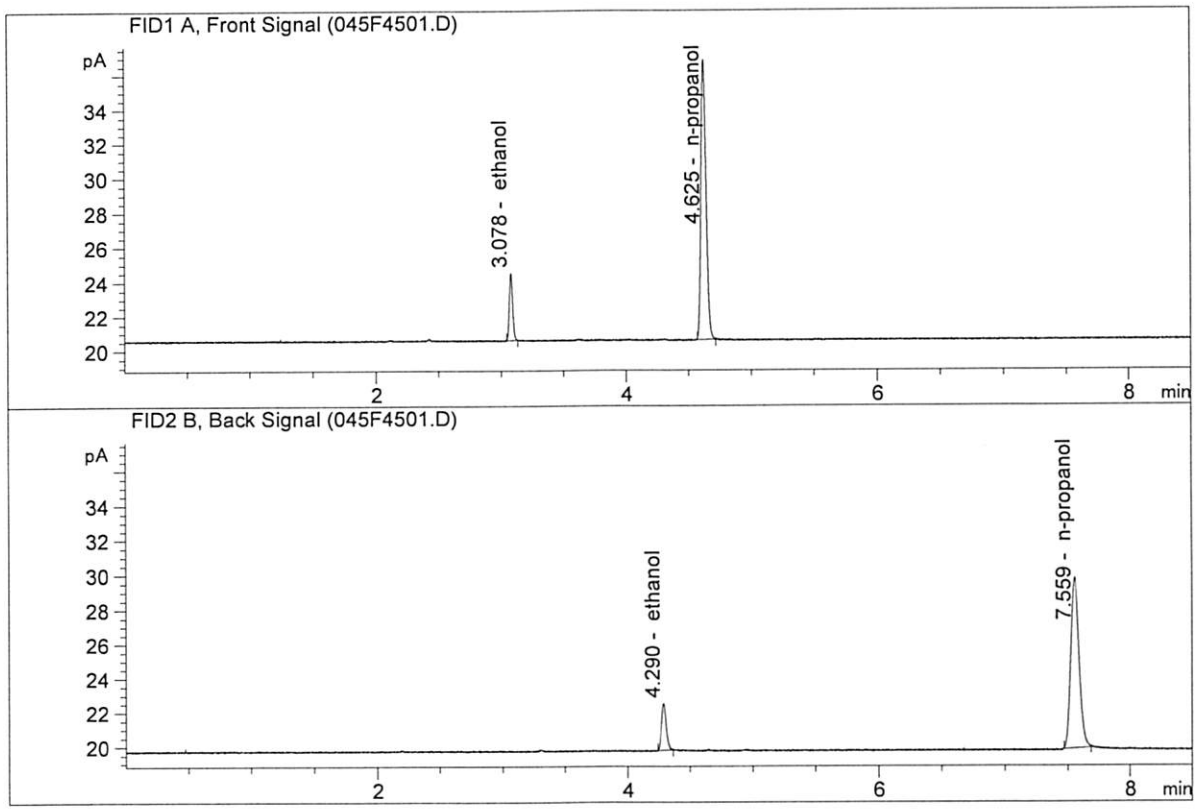
	Reported Result	
	0.081	

Calibration and control data are stored centrally.

dc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Jun 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

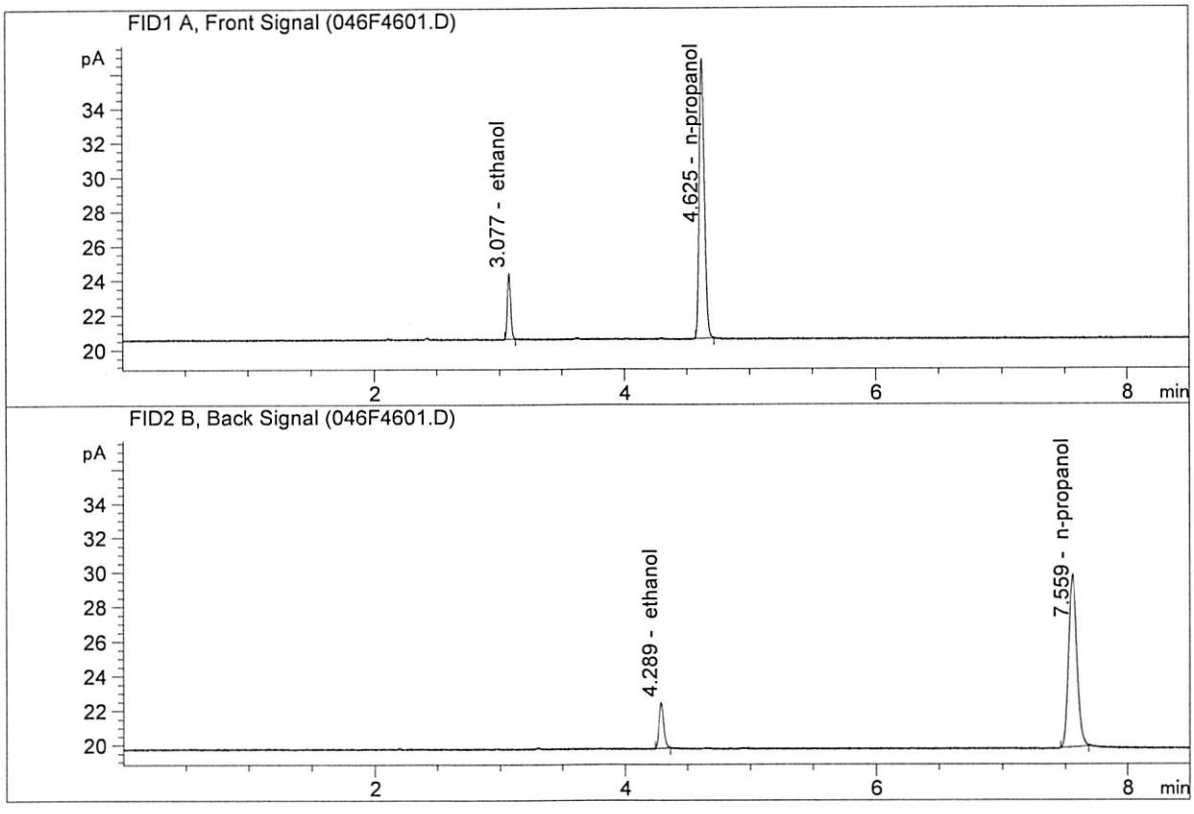


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.16358	0.0820	g/100cc
2.	Ethanol	Column 2:	7.37400	0.0826	g/100cc
3.	n-Propanol	Column 1:	46.05786	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.50599	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Jun 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

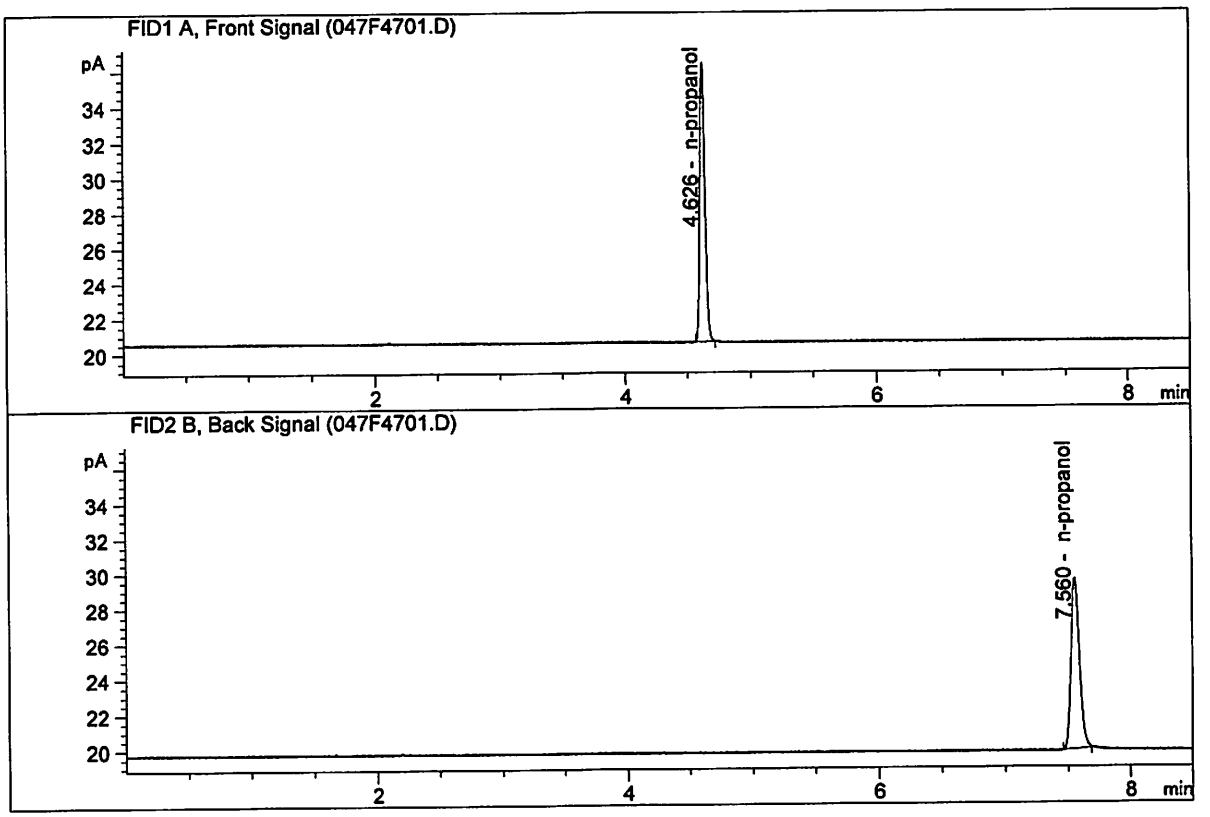


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.97494	0.0799	g/100cc
2.	Ethanol	Column 2:	7.17647	0.0804	g/100cc
3.	n-Propanol	Column 1:	46.06610	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.55167	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jun 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

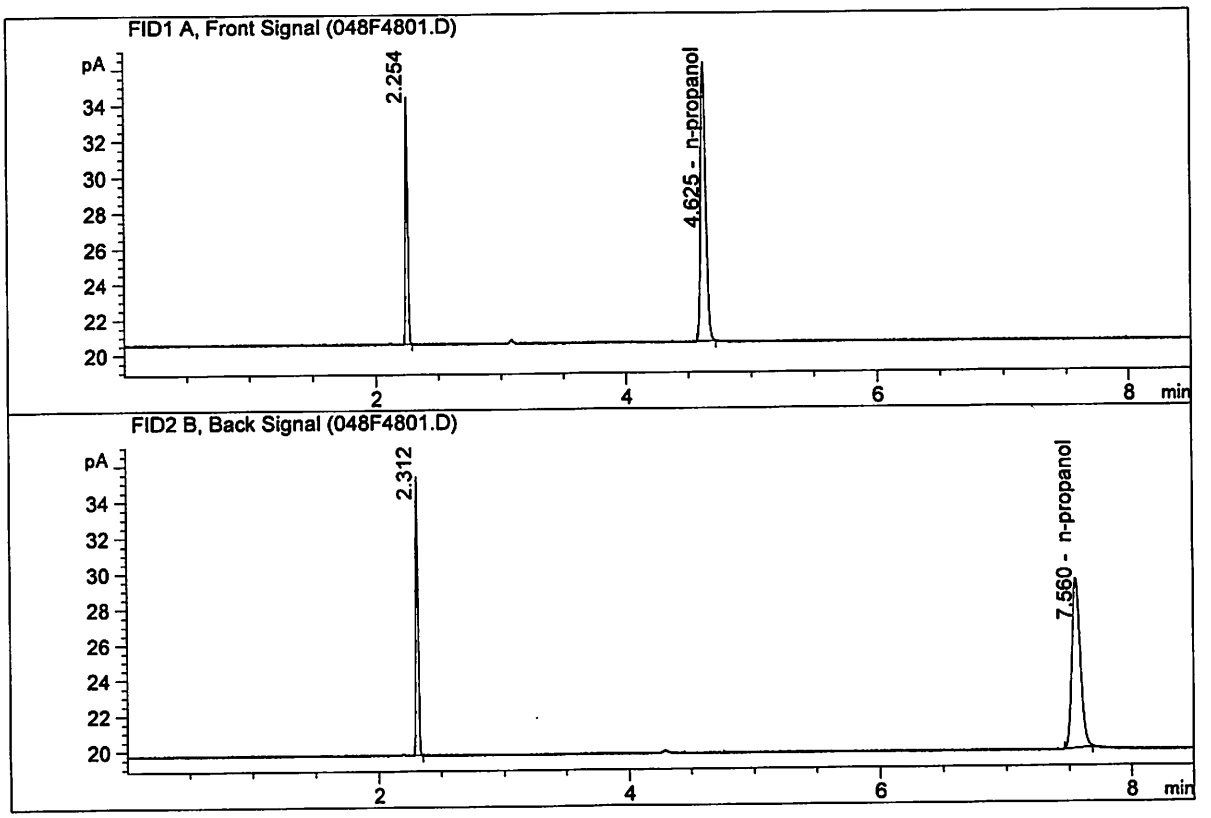


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.95490	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.55243	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

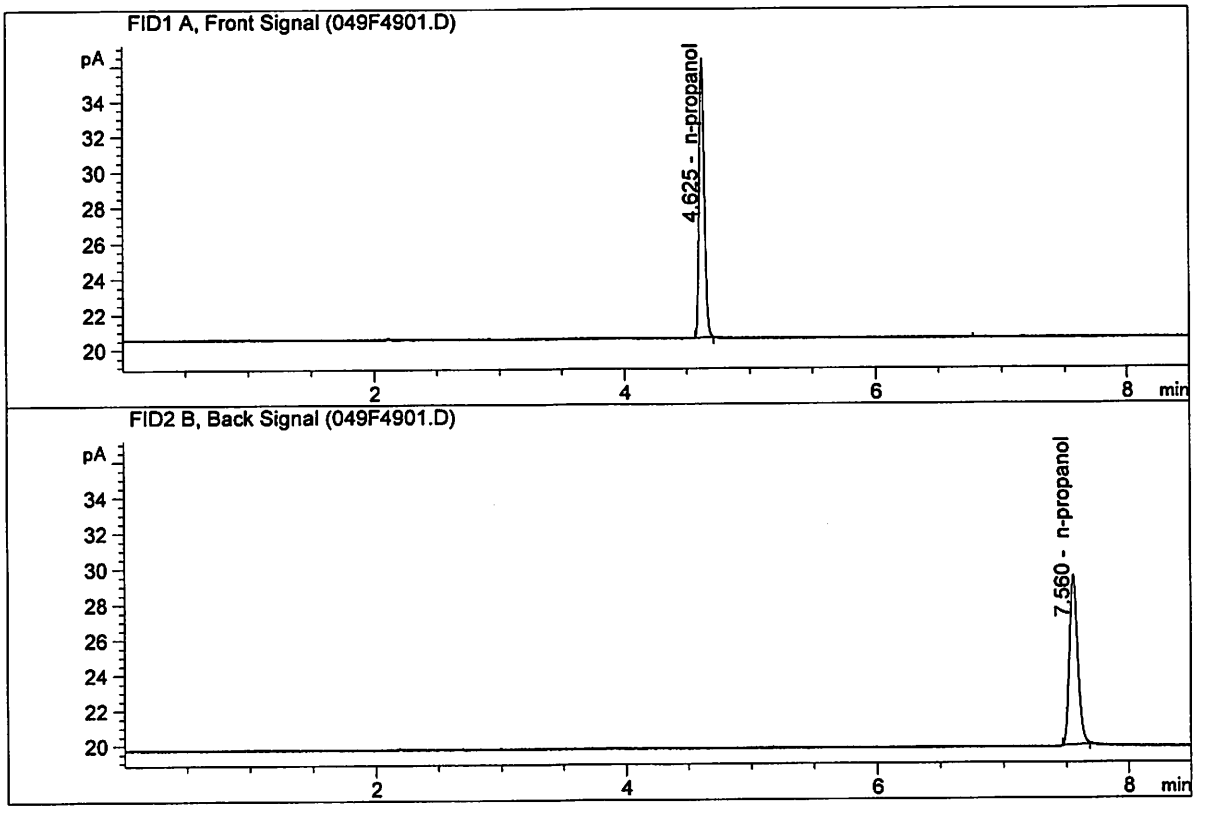
Sample Name : TFE 111419
Laboratory : Meridian
Injection Date : Jun 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	44.42371	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.88612	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jun 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

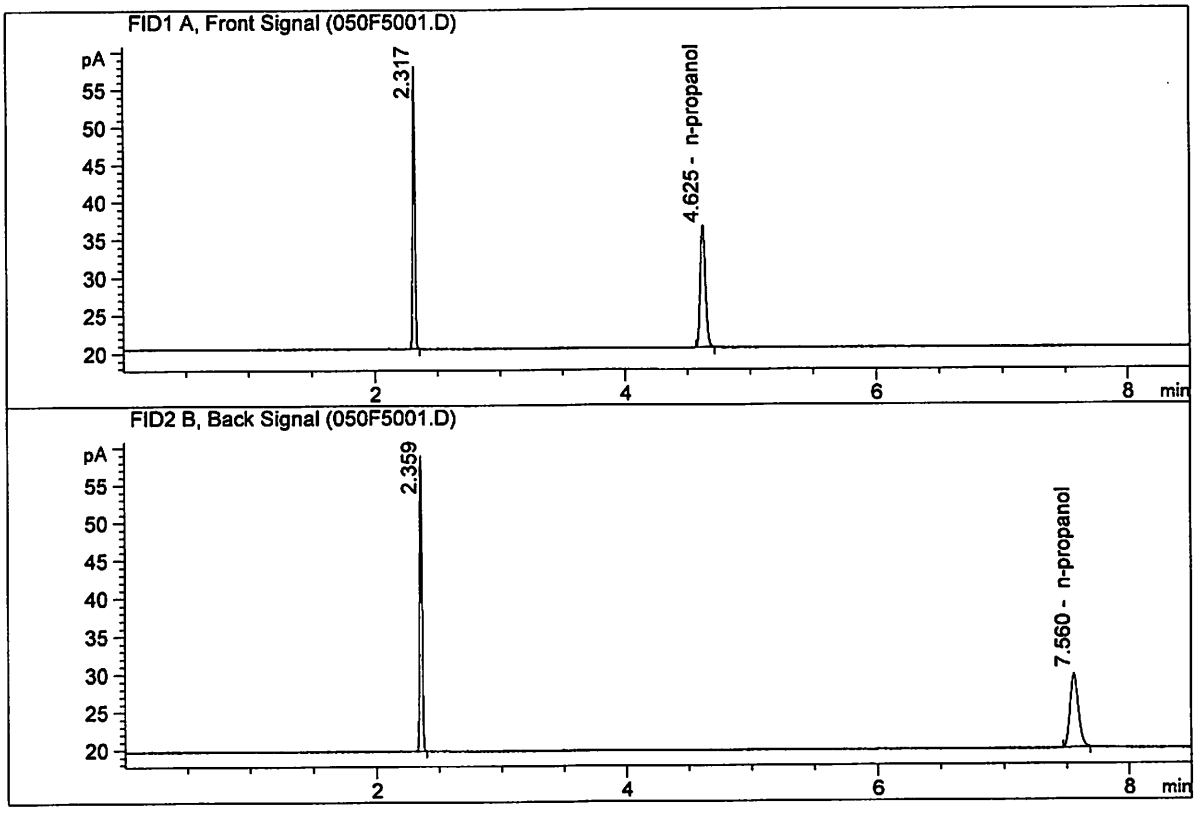


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.67959	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.06610	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : DFE 111419OM
Laboratory : Meridian
Injection Date : Jun 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

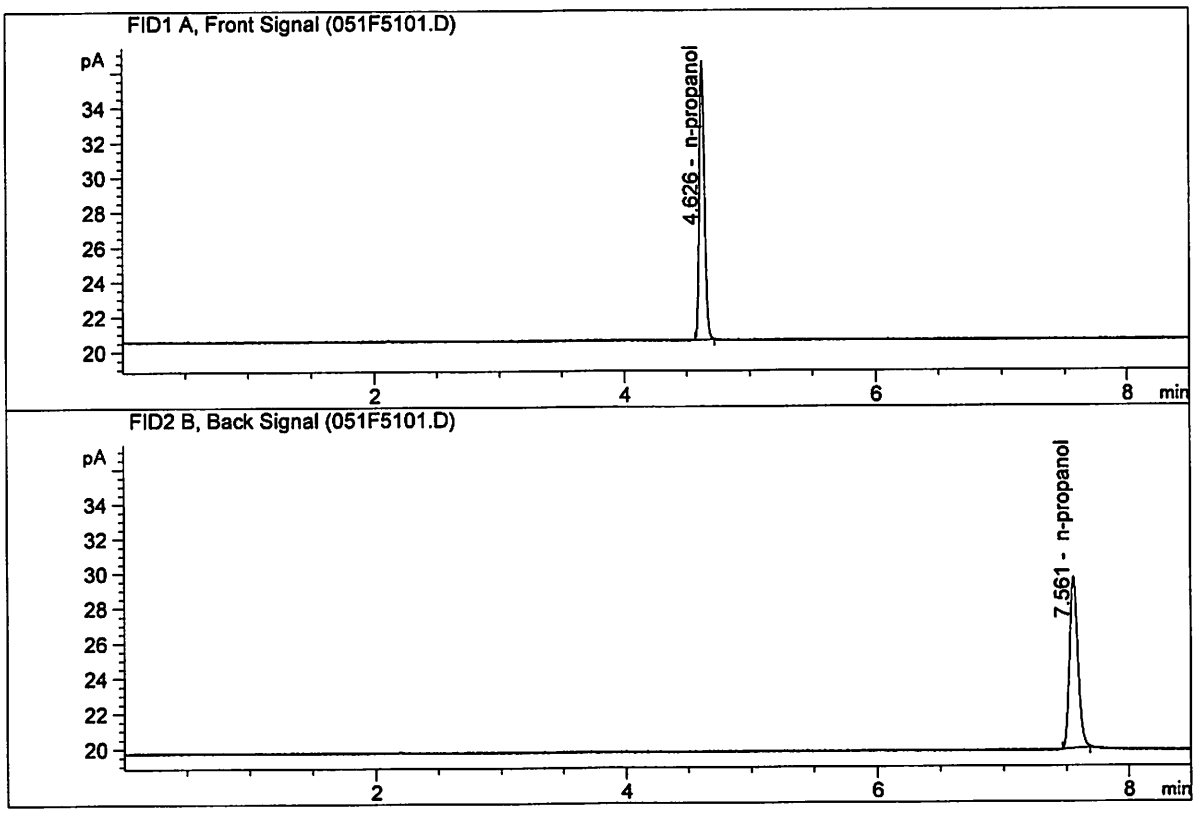


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	45.64753	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.04966	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jun 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

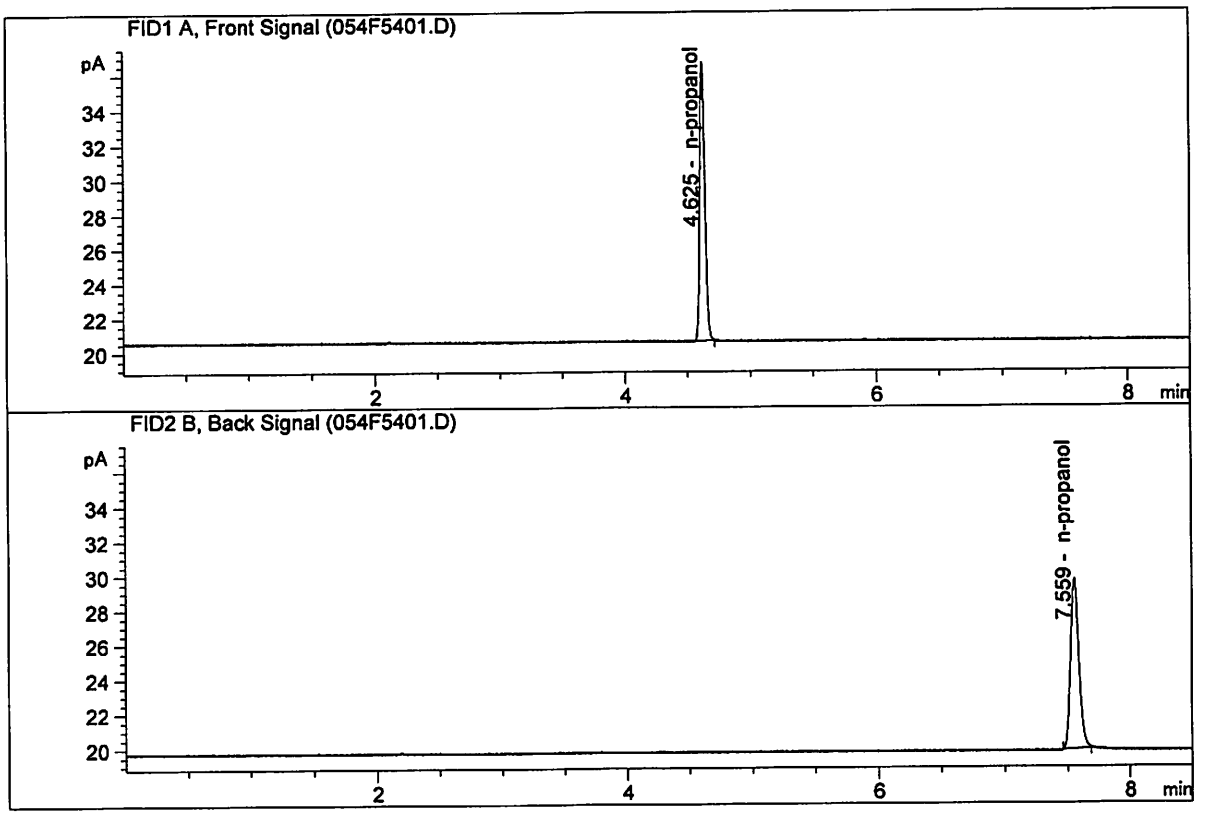


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	45.28087	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.68499	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jun 12, 2019
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:	45.60836	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.95511	1.0000	g/100cc

JC

Sample Summary

Sequence table: C:\Chem32\1\Data\06-11-19_SAMPLES\06-11-19_SAMPLES 2019-06-11 16-47-42\06 11-19_SAMPLES.S
Data directory path: C:\Chem32\1\Data\06-11-19_SAMPLES\06-11-19_SAMPLES 2019-06-11 16-47-42\
Logbook: C:\Chem32\1\Data\06-11-19_SAMPLES\06-11-19_SAMPLES 2019-06-11 16-47-42\06 11-19_SAMPLES.LOG
Sequence start: 6/11/2019 5:02:28 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\06-11-19_SAMPLES\06-11-19_SAMPLES 2019-06-11 16-47-42 \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	M2019-2370-1-A	-	1.0000	007F0701.D		4
8	8	1	M2019-2370-1-B	-	1.0000	008F0801.D		4
9	9	1	M2019-2483-1-A	-	1.0000	009F0901.D		4
10	10	1	M2019-2483-1-B	-	1.0000	010F1001.D		4
11	11	1	M2019-2495-1-A	-	1.0000	011F1101.D		4
12	12	1	M2019-2495-1-B	-	1.0000	012F1201.D		4
13	13	1	M2019-2523-1-A	-	1.0000	013F1301.D		4
14	14	1	M2019-2523-1-B	-	1.0000	014F1401.D		4
15	15	1	M2019-2545-1-A	-	1.0000	015F1501.D		4
16	16	1	M2019-2545-1-B	-	1.0000	016F1601.D		4
17	17	1	M2019-2557-1-A	-	1.0000	017F1701.D		4
18	18	1	M2019-2557-1-B	-	1.0000	018F1801.D		4
19	19	1	M2019-2560-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-2560-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-2580-1-A	-	1.0000	021F2101.D		4
22	22	1	M2019-2580-1-B	-	1.0000	022F2201.D		4
23	23	1	M2019-2598-1-A	-	1.0000	023F2301.D		4
24	24	1	M2019-2598-1-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	M2019-2605-1-A	-	1.0000	027F2701.D		5
28	28	1	M2019-2605-1-B	-	1.0000	028F2801.D		6
29	29	1	M2019-2606-1-A	-	1.0000	029F2901.D		4
30	30	1	M2019-2606-1-B	-	1.0000	030F3001.D		4
31	31	1	M2019-2607-1-A	-	1.0000	031F3101.D		4
32	32	1	M2019-2607-1-B	-	1.0000	032F3201.D		4
33	33	1	M2019-2608-1-A	-	1.0000	033F3301.D		4
34	34	1	M2019-2608-1-B	-	1.0000	034F3401.D		4
35	35	1	M2019-2609-1-A	-	1.0000	035F3501.D		2
36	36	1	M2019-2609-1-B	-	1.0000	036F3601.D		2
37	37	1	M2019-2621-1-A	-	1.0000	037F3701.D		4
38	38	1	M2019-2621-1-B	-	1.0000	038F3801.D		4
39	39	1	M2019-2627-1-A	-	1.0000	039F3901.D		4
40	40	1	M2019-2627-1-B	-	1.0000	040F4001.D		4
41	41	1	P2019-1715-3-A	-	1.0000	041F4101.D		2
42	42	1	P2019-1715-3-B	-	1.0000	042F4201.D		2
43	43	1	P2019-1716-2-A	-	1.0000	043F4301.D		2

JC

Sequence File C:\Chem32\...9_SAMPLES\06-11-19_SAMPLES 2019-06-11 16-47-42\06-11-19_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	P2019-1716-2-B	-	1.0000	044F4401.D	2
45	45	1	QC1-2-A	-	1.0000	045F4501.D	4
46	46	1	QC1-2-B	-	1.0000	046F4601.D	4
47	47	1	INTERNAL STD BLK	-	1.0000	047F4701.D	2
48	48	1	TFE 111419	-	1.0000	048F4801.D	2
49	49	1	INTERNAL STD BLK	-	1.0000	049F4901.D	2
50	50	1	DFE 111419OM	-	1.0000	050F5001.D	2
51	51	1	INTERNAL STD BLK	-	1.0000	051F5101.D	2
52	52	1	M2019-2555-1-A	-	1.0000	052F5201.D	2
53	53	1	M2019-2555-1-B	-	1.0000	053F5301.D	2
54	54	1	INTERNAL STD BLK	-	1.0000	054F5401.D	2

Method file name: C:\Chem32\1\Data\06-11-19_SAMPLES\06-11-19_SAMPLES 2019-06-11 16-47-42\SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
55	55	1	EMPTY	-	1.0000	055F5501.D	0

J6