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):12/12/19-12/13/19**

Calibration Date: 12/12/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0775 g/100cc
					0.0789 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2032 g/100cc
					0.1985 g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**		**Lot #**	FN06041502	ok
Curve Fit:		**Column 1**	0.99997	**Column2**	0.99990

REVIEWED
By Rachel Cutler at 6:56 pm, Dec 16, 2019

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0514	0.0530	0.0016	0.0522
100	0.100	0.090 - 0.110	0.1001	0.0997	0.0004	0.0999
200	0.200	0.180 - 0.220	0.1985	0.1969	0.0016	0.1977
300	0.300	0.270 - 0.330	0.2990	0.2985	0.0005	0.2987
500	0.500	0.450 - 0.550	0.5011	0.5019	0.0008	0.5015

Aqueous Controls

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

JG

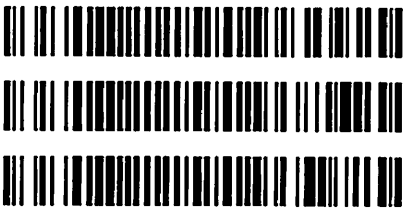
Revision: 1
Issue Date: 01/03/2019
Issuing Authority: Quality Manager

Worklist: 3884

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2019-5427	1	BCK	Alcohol Analysis
M2019-5465	1	BCK	Alcohol Analysis
M2019-5466	1	BCK	Alcohol Analysis
M2019-5467	1	BCK	Alcohol Analysis
M2019-5468	1	BCK	Alcohol Analysis
M2019-5469	1	BCK	Alcohol Analysis
M2019-5495	1	BCK	Alcohol Analysis
M2019-5497	1	BCK	Alcohol Analysis
M2019-5509	1	BCK	Alcohol Analysis
P2019-3454	2	BCK	Alcohol Analysis
P2019-3632	1	BCK	Alcohol Analysis
P2019-3643	2	BCK	Alcohol Analysis
P2019-3652	1	BCK	Alcohol Analysis
P2019-3653	1	BCK	Alcohol Analysis
P2019-3656	1	BCK	Alcohol Analysis
P2019-3678	1	BCK	Alcohol Analysis
P2019-3687	1	BCK	Alcohol Analysis
P2019-3688	1	BCK	Alcohol Analysis
P2019-3692	1	UCK	Alcohol Analysis
P2019-3697	1	BCK	Alcohol Analysis
P2019-3702	1	BCK	Alcohol Analysis

Worklist: 3884

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2019-3703	1	BCK	Alcohol Analysis
P2019-3714	1	BCK	Alcohol Analysis
P2019-3718	1	BCK	Alcohol Analysis



JL

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, December 12, 2019 3:25:40 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

JC

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	4.34616	1.15044e-2	No	No	1	ethanol
		2	1.00000e-1	8.68615	1.15126e-2				
		3	2.00000e-1	17.84452	1.12079e-2				
		4	3.00000e-1	26.46778	1.13345e-2				
		5	5.00000e-1	44.18955	1.13149e-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	4.51707	1.10691e-2	No	No	2	ethanol
		2	1.00000e-1	8.96931	1.11491e-2				
		3	2.00000e-1	18.65841	1.07190e-2				
		4	3.00000e-1	27.84500	1.07739e-2				
		5	5.00000e-1	46.89922	1.06612e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	44.44377	2.25003e-2	No	Yes	1	n-propanol
		2	1.00000	44.83916	2.23019e-2				
		3	1.00000	46.10202	2.16910e-2				
		4	1.00000	45.26270	2.20932e-2				
		5	1.00000	44.99200	2.22262e-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	46.46101	2.15234e-2	No	Yes	2	n-propanol
		2	1.00000	46.64891	2.14367e-2				
		3	1.00000	47.82665	2.09088e-2				
		4	1.00000	46.65306	2.14348e-2				
		5	1.00000	46.39603	2.15536e-2				

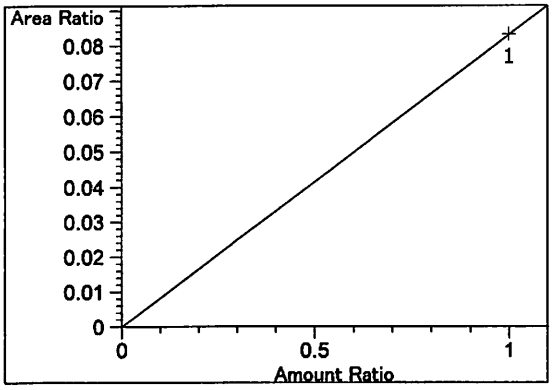
Peak Sum Table

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: 8.31769e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

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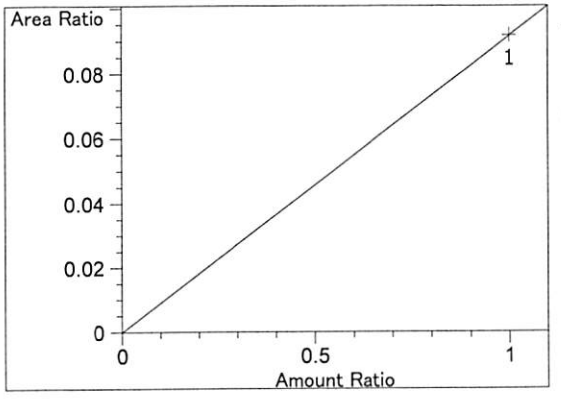
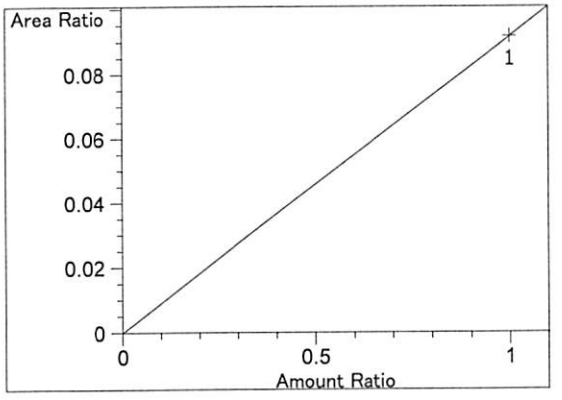
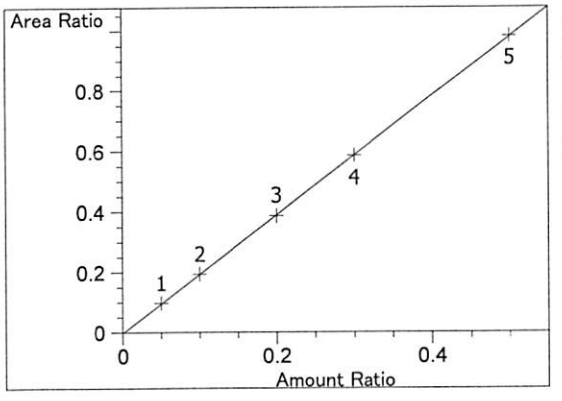


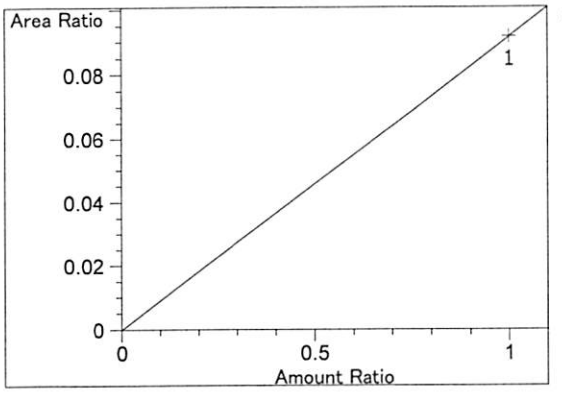
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.17113e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.17113e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00288
Formula: y = mx + b
m: 1.96656
b: -3.20991e-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: 9.17032e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

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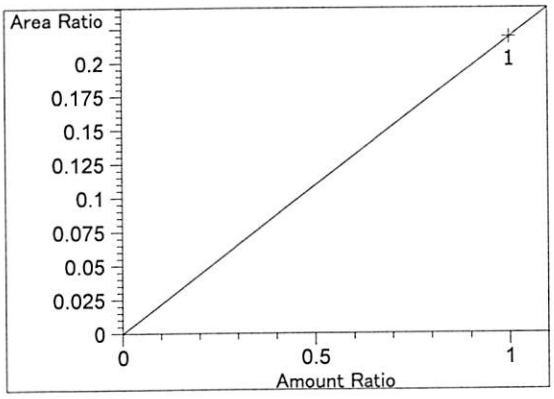
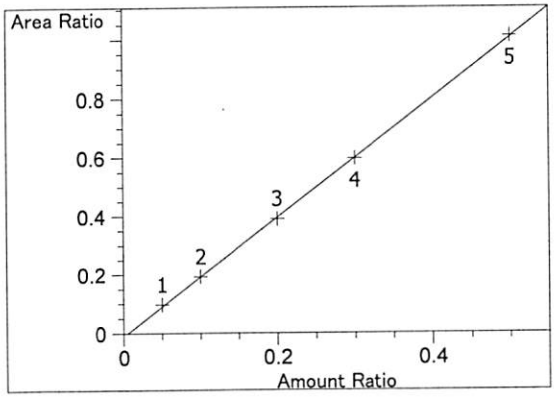
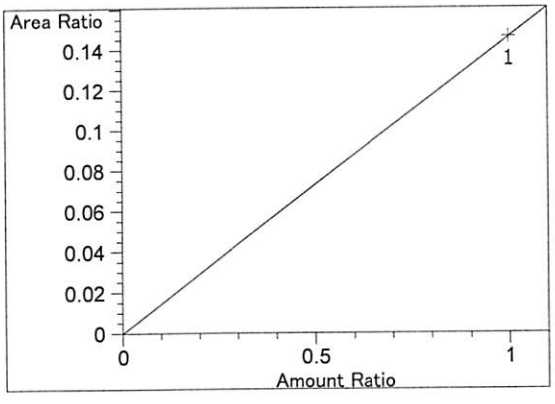


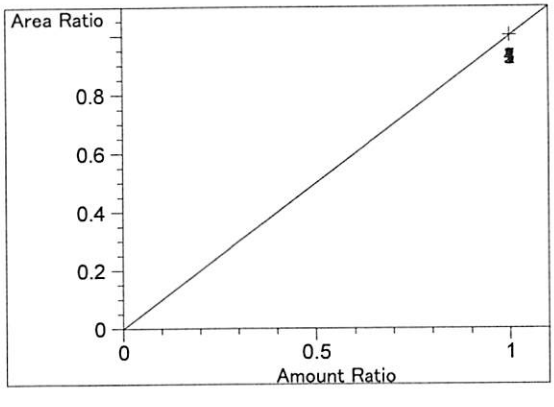
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.18941e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99990
Residual Std. Dev.: 0.00582
Formula: y = mx + b
m: 2.03522
b: -1.06376e-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: 1.46239e-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

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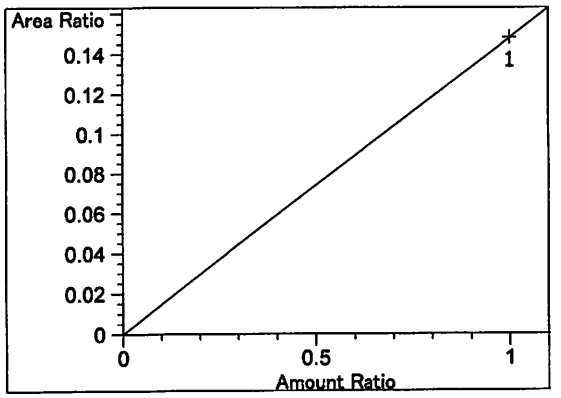
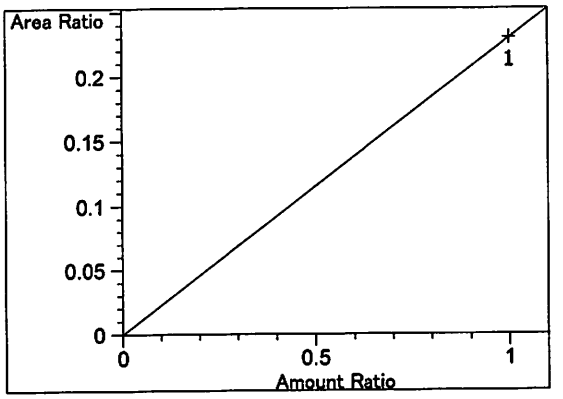
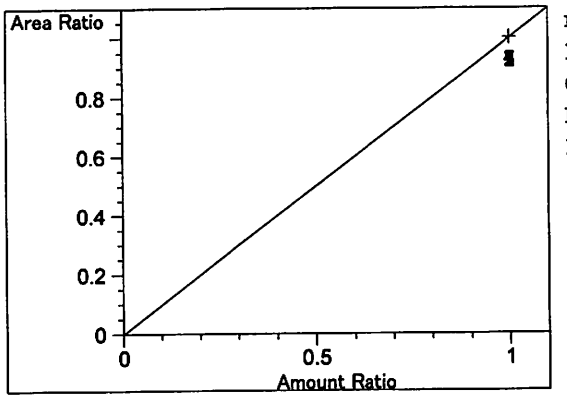


acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.48361e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.30439e-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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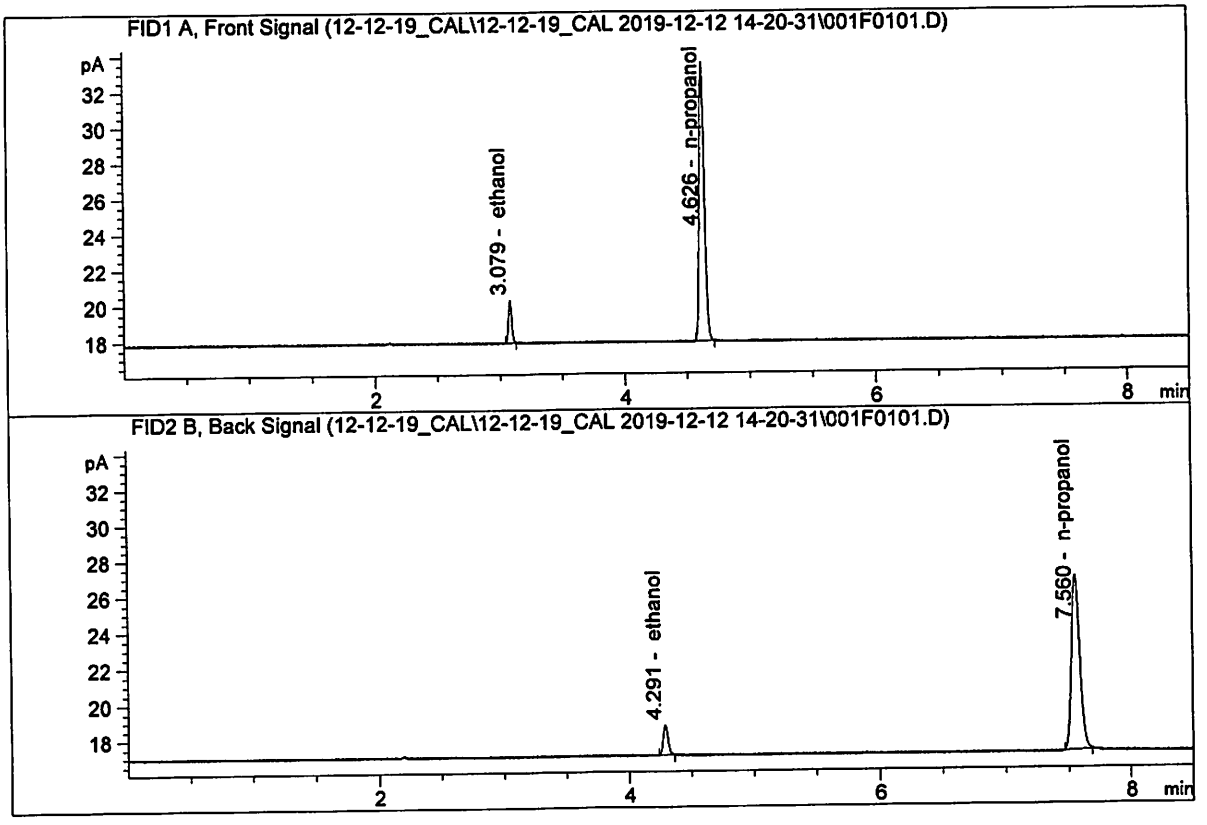
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

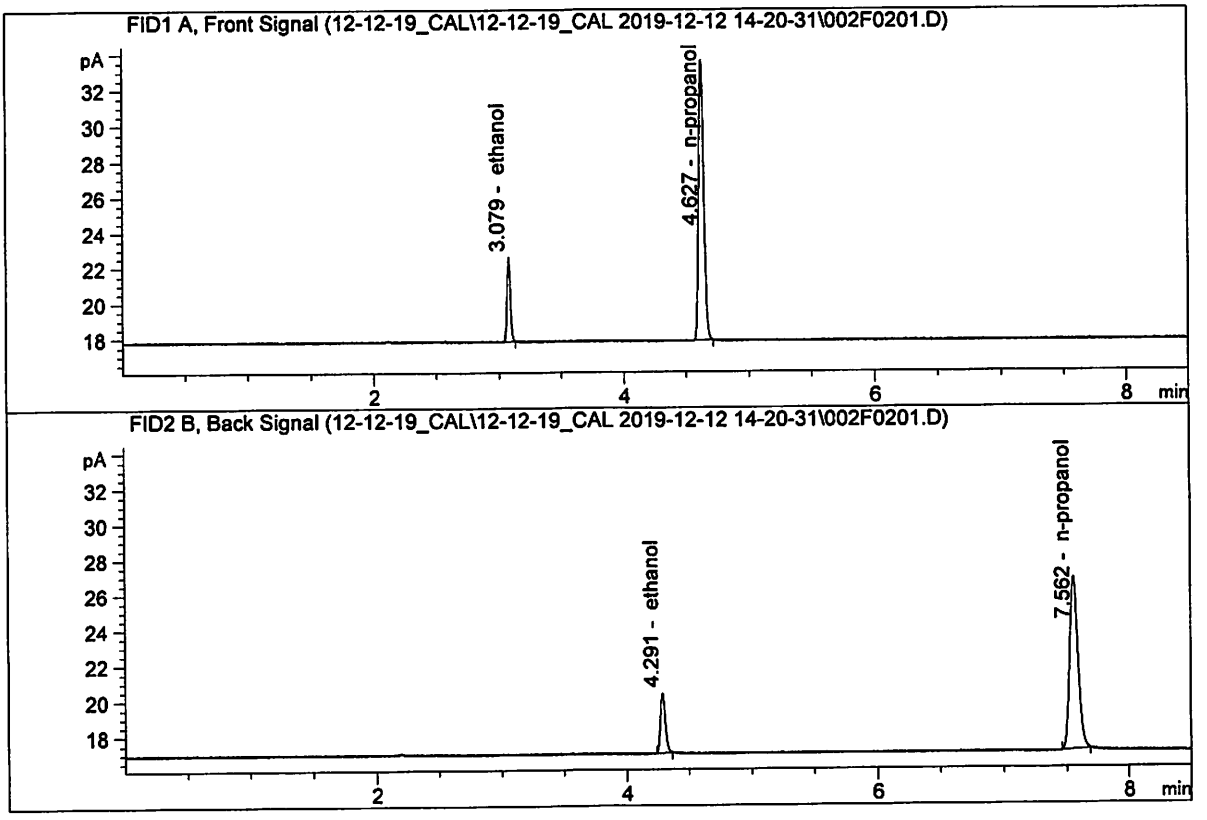


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.34616	0.0514	g/100cc
2.	Ethanol	Column 2:	4.51707	0.0530	g/100cc
3.	n-Propanol	Column 1:	44.44377	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.46101	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

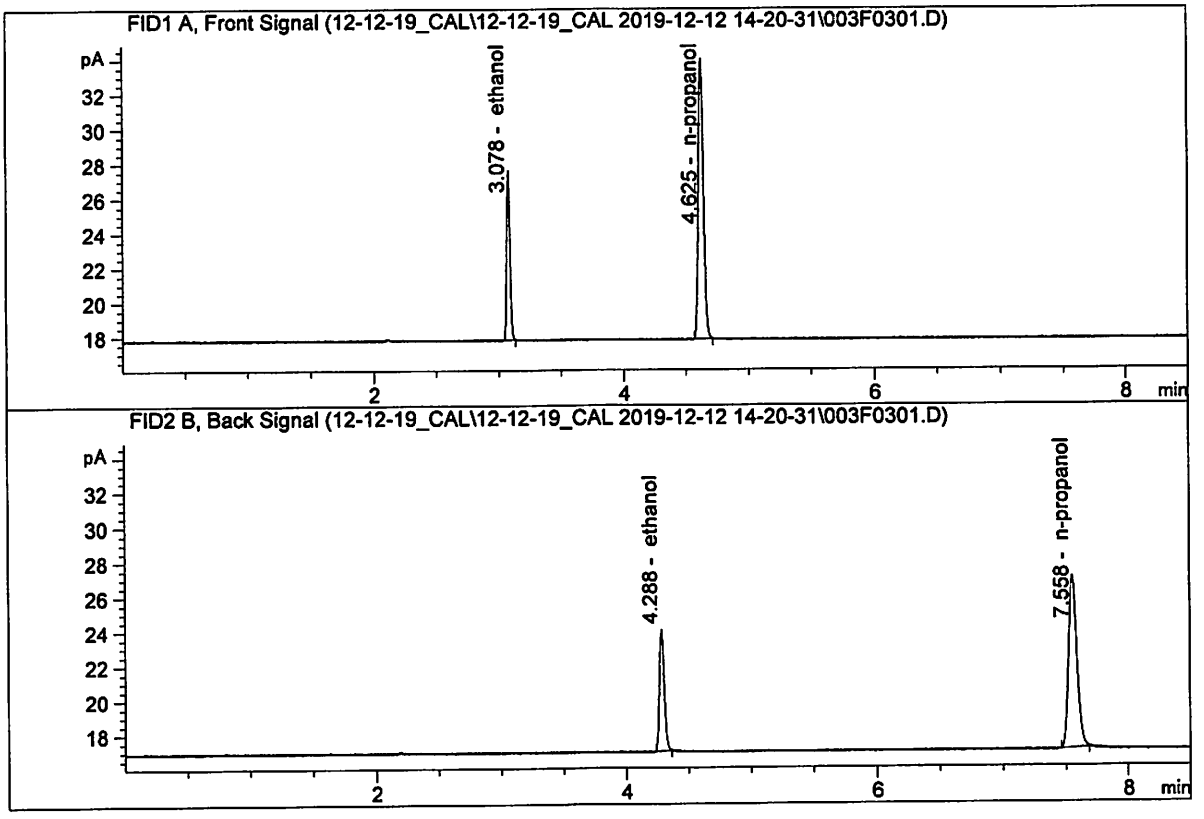


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.68615	0.1001	g/100cc
2.	Ethanol	Column 2:	8.96931	0.0997	g/100cc
3.	n-Propanol	Column 1:	44.83916	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.64891	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

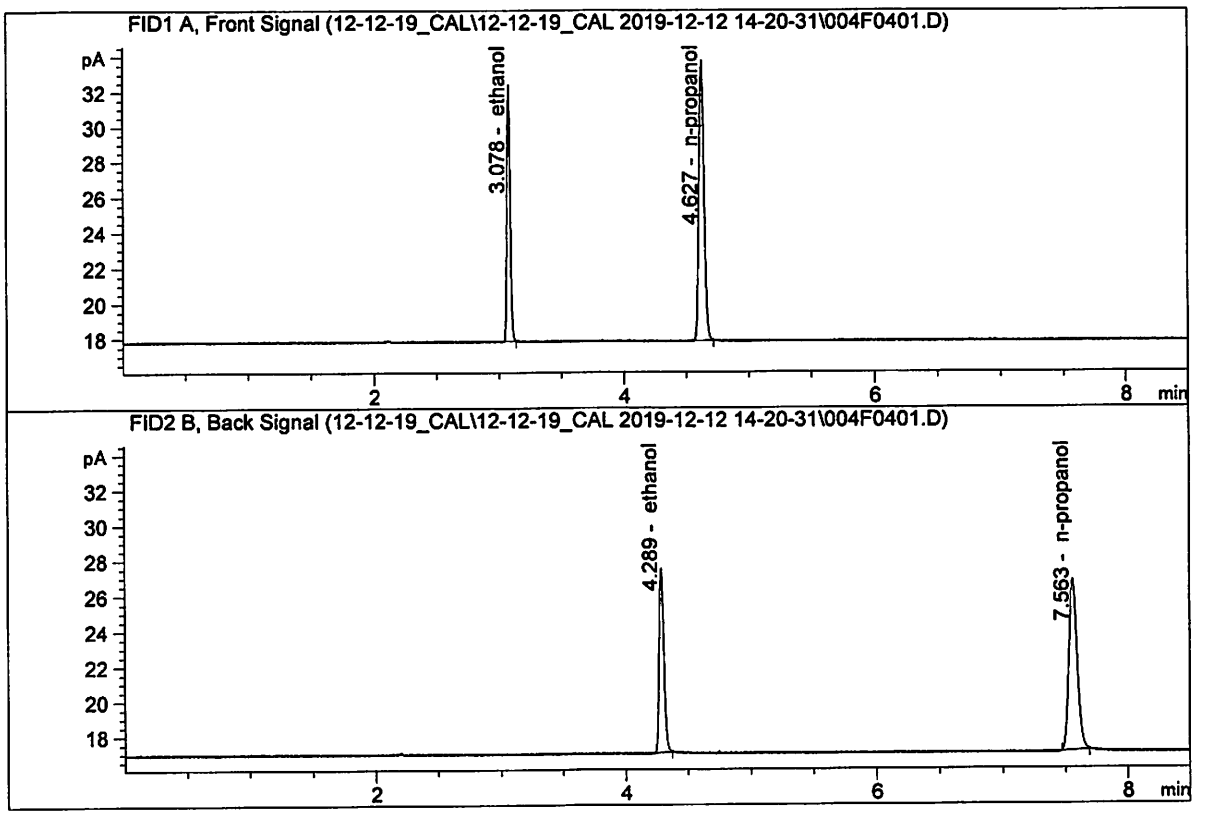
Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.84452	0.1985	g/100cc
2.	Ethanol	Column 2:	18.65841	0.1969	g/100cc
3.	n-Propanol	Column 1:	46.10202	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.82665	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.46778	0.2990	g/100cc
2.	Ethanol	Column 2:	27.84500	0.2985	g/100cc
3.	n-Propanol	Column 1:	45.26270	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.65306	1.0000	g/100cc

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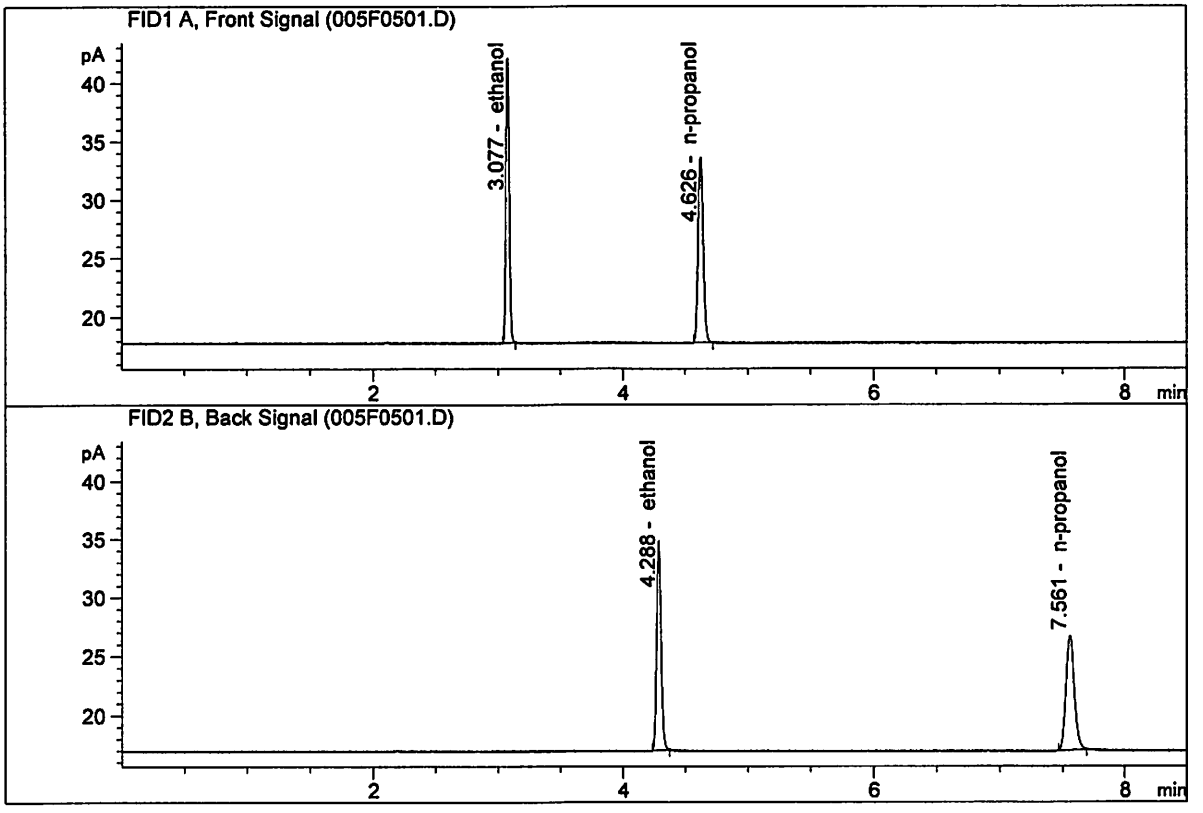
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

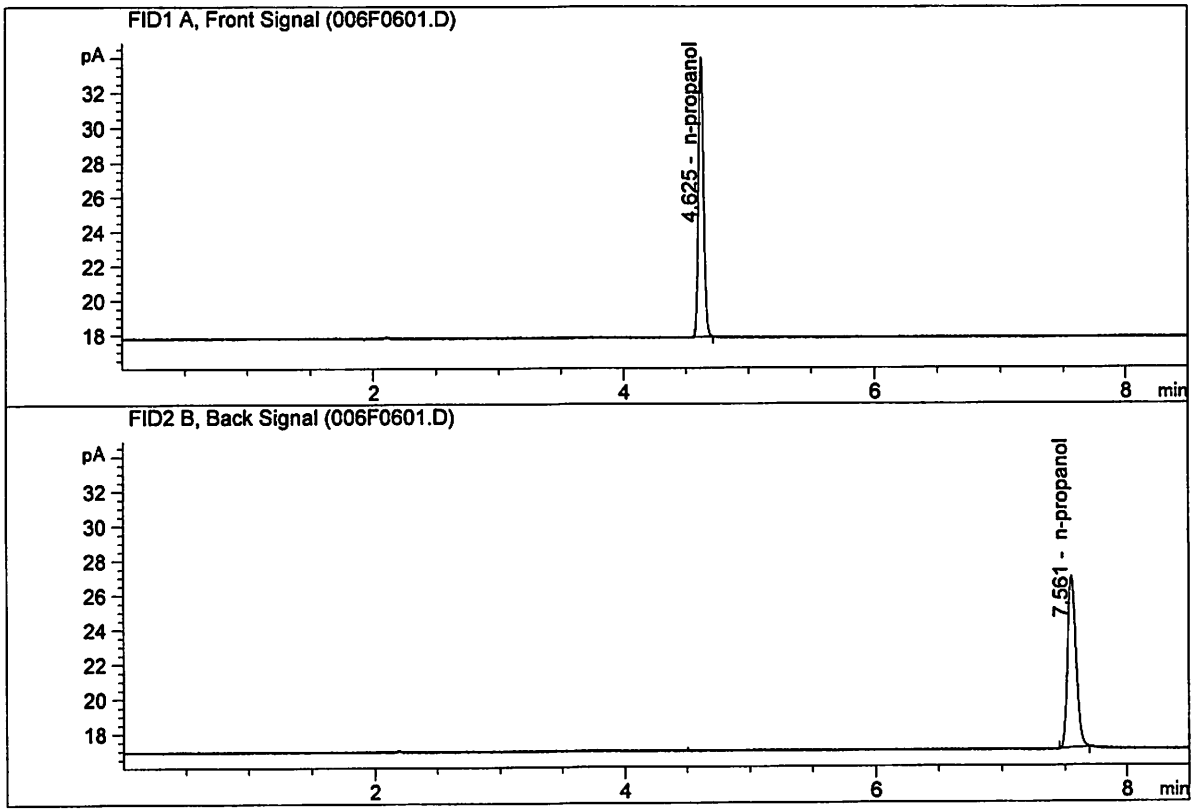


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.18955	0.5011	g/100cc
2.	Ethanol	Column 2:	46.89922	0.5019	g/100cc
3.	n-Propanol	Column 1:	44.99200	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.39603	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Dec 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:	46.04437	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.68810	1.0000	g/100cc

JC

Sequence File C:\Chem32\1\Data\12-12-19_CAL\12-12-19_CAL 2019-12-12 14-20-31\12-12-19_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\12-12-19_CAL\12-12-19_CAL 2019-12-12 14-20-31\12-12-19_CAL.S
Data directory path: C:\Chem32\1\Data\12-12-19_CAL\12-12-19_CAL 2019-12-12 14-20-31\
Logbook: C:\Chem32\1\Data\12-12-19_CAL\12-12-19_CAL 2019-12-12 14-20-31\12-12-19_CAL.LOG
Sequence start: 12/12/2019 2:35:08 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\12-12-19_CAL\12-12-19_CAL 2019-12-12 14-20-31\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN05211804	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN02271802	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN06231704	-	1.0000	003F0301.D	*	4
4	4	1	0.300 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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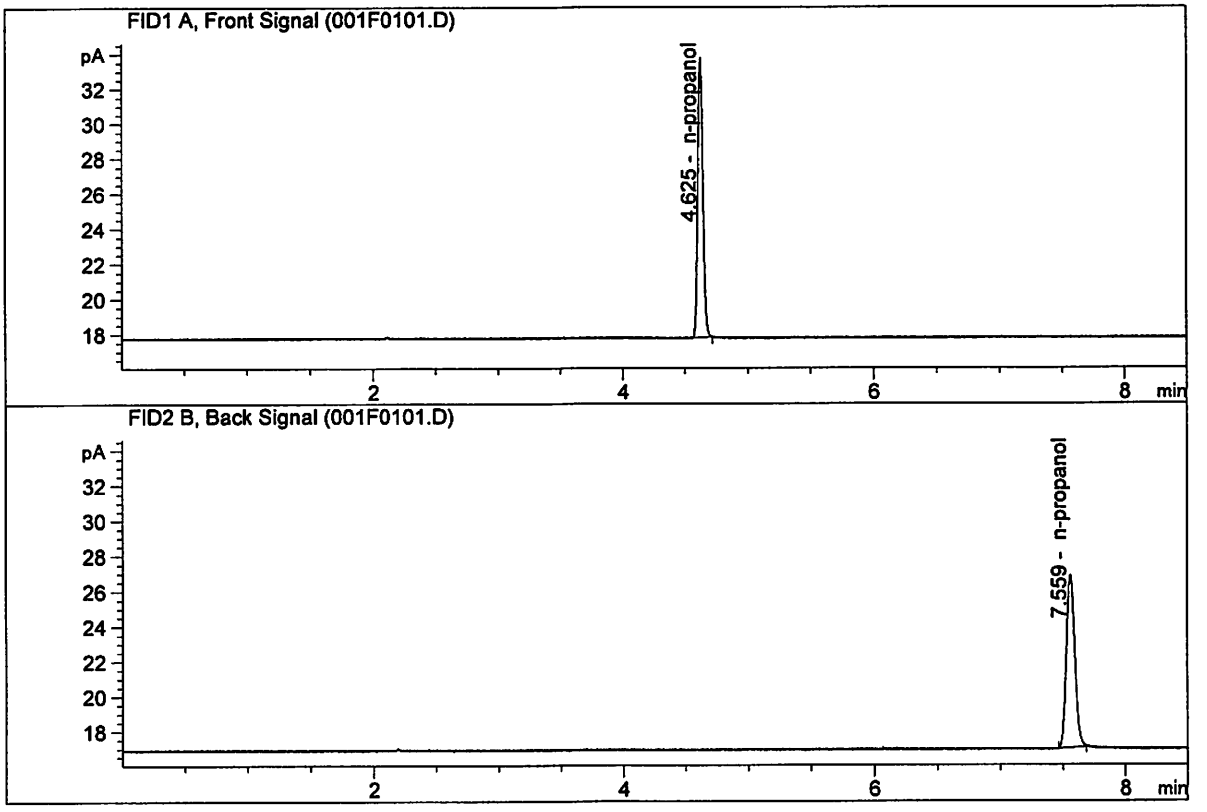
ISP Forensic Services Blood Alcohol Report

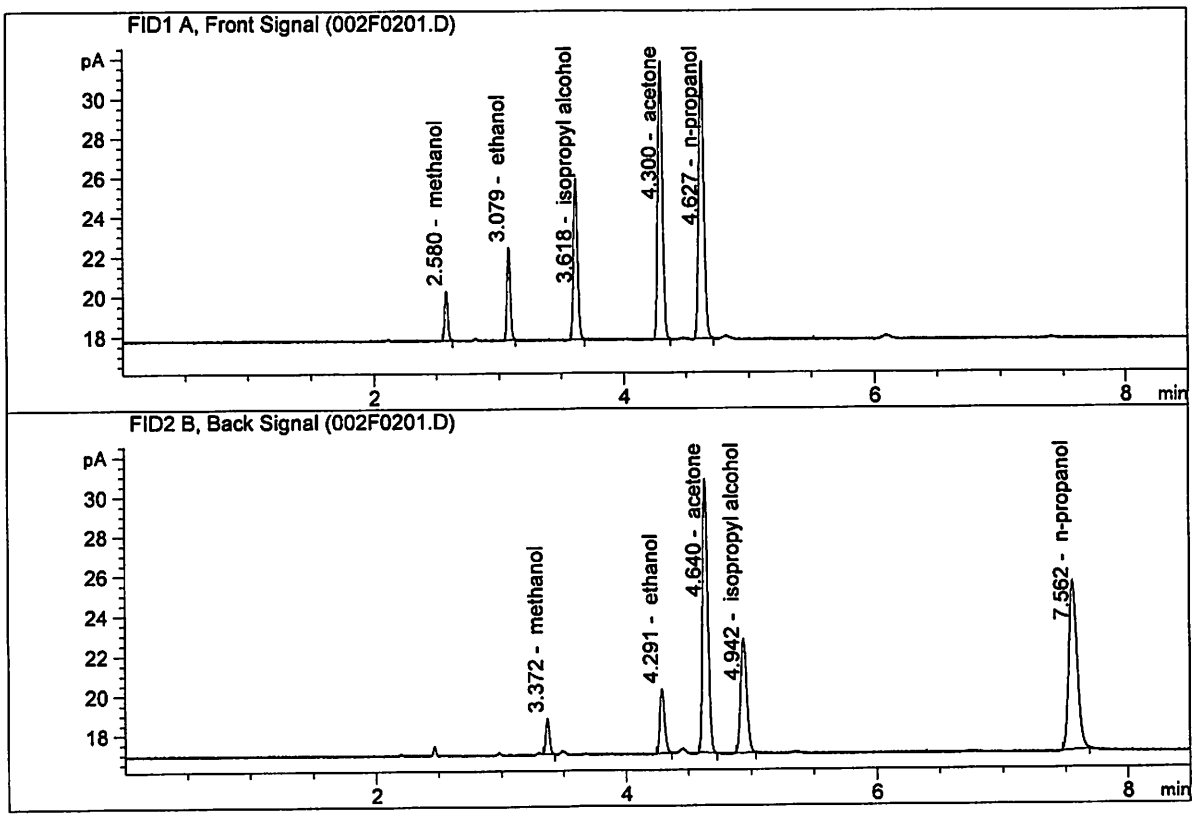
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	45.31568	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.14685	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.45448	0.1099	g/100cc
2.	Ethanol	Column 2:	8.71807	0.1097	g/100cc
3.	n-Propanol	Column 1:	39.72272	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.98441	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 12 Dec 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0805	0.0809	0.0004	0.0807	0.0807	
(g/100cc)	0.0806	0.0810	0.0004	0.0808		

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

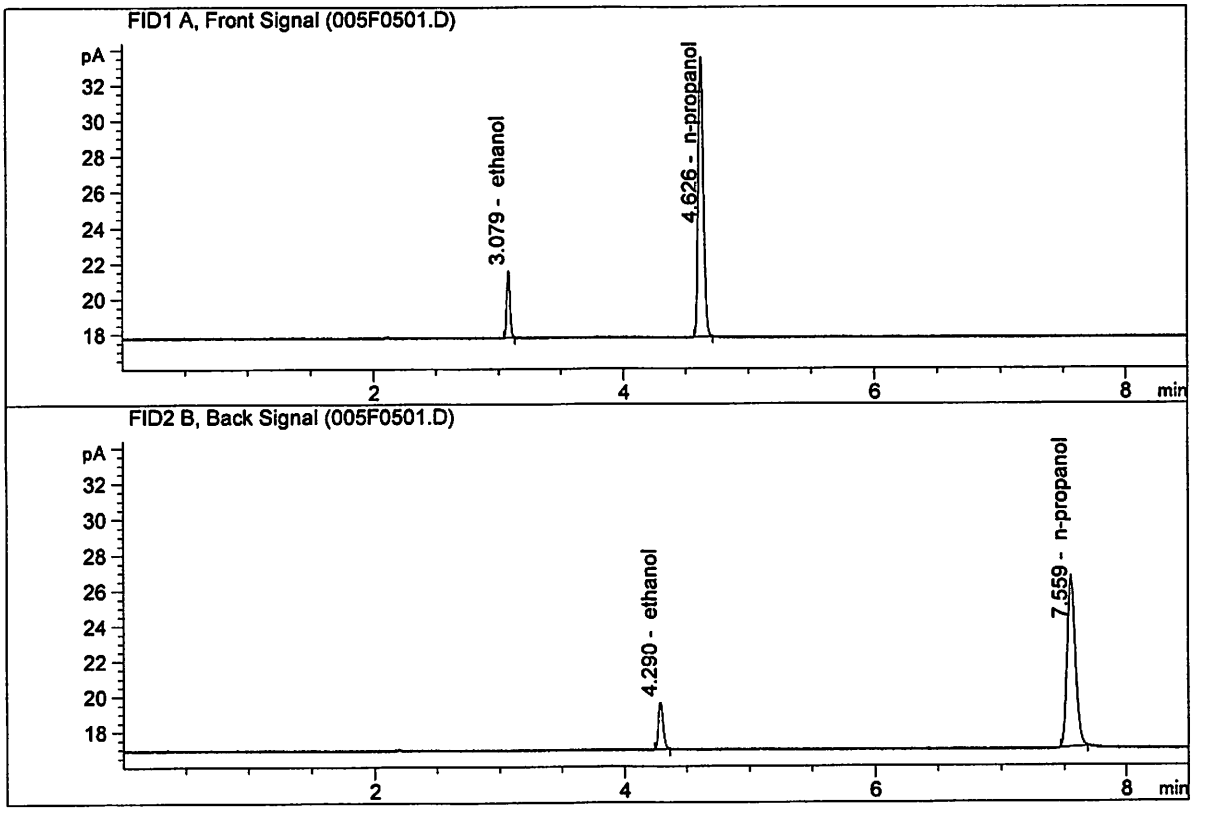
	Reported Result	
	0.080	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

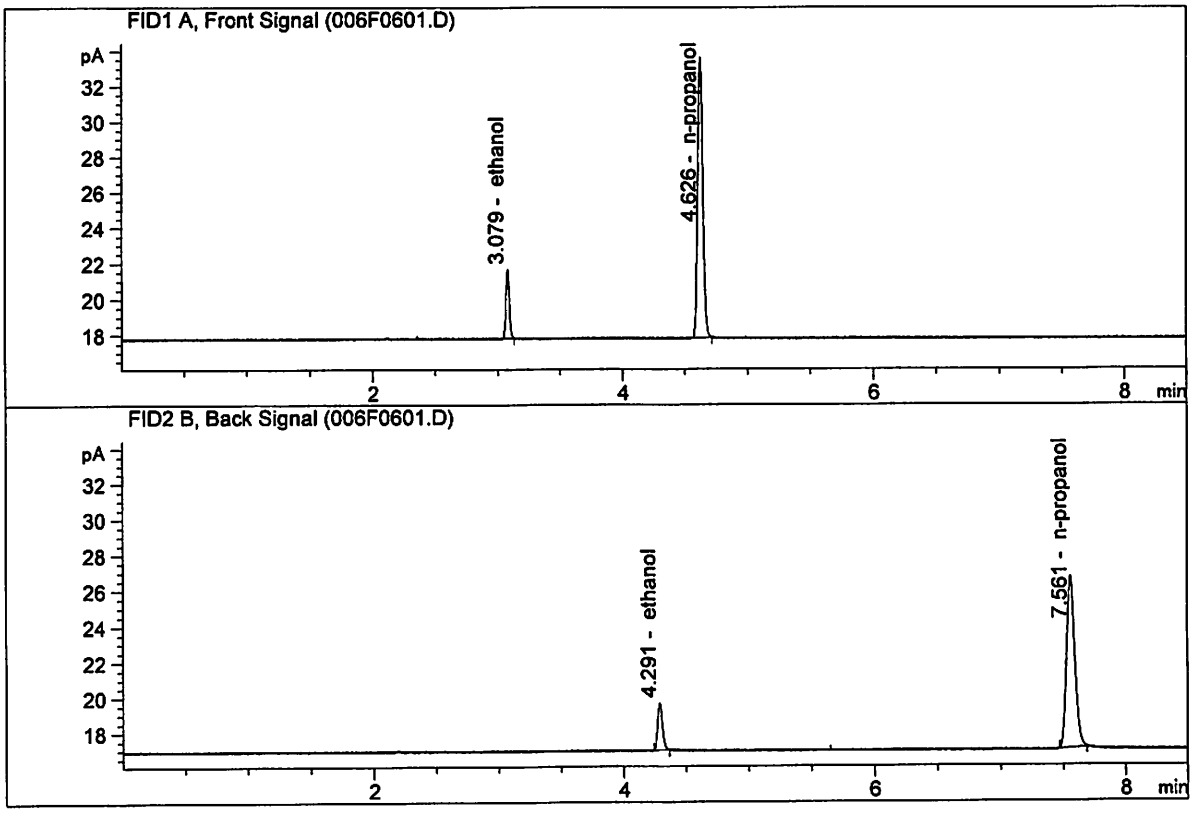


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.95426	0.0805	g/100cc
2.	Ethanol	Column 2:	7.13140	0.0809	g/100cc
3.	n-Propanol	Column 1:	44.83447	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.31263	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.98422	0.0806	g/100cc
2.	Ethanol	Column 2:	7.16015	0.0810	g/100cc
3.	n-Propanol	Column 1:	44.97885	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.43712	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 12 Dec 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0774	0.0782	0.0008	0.0778	0.0775	
(g/100cc)	0.0769	0.0777	0.0008	0.0773		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

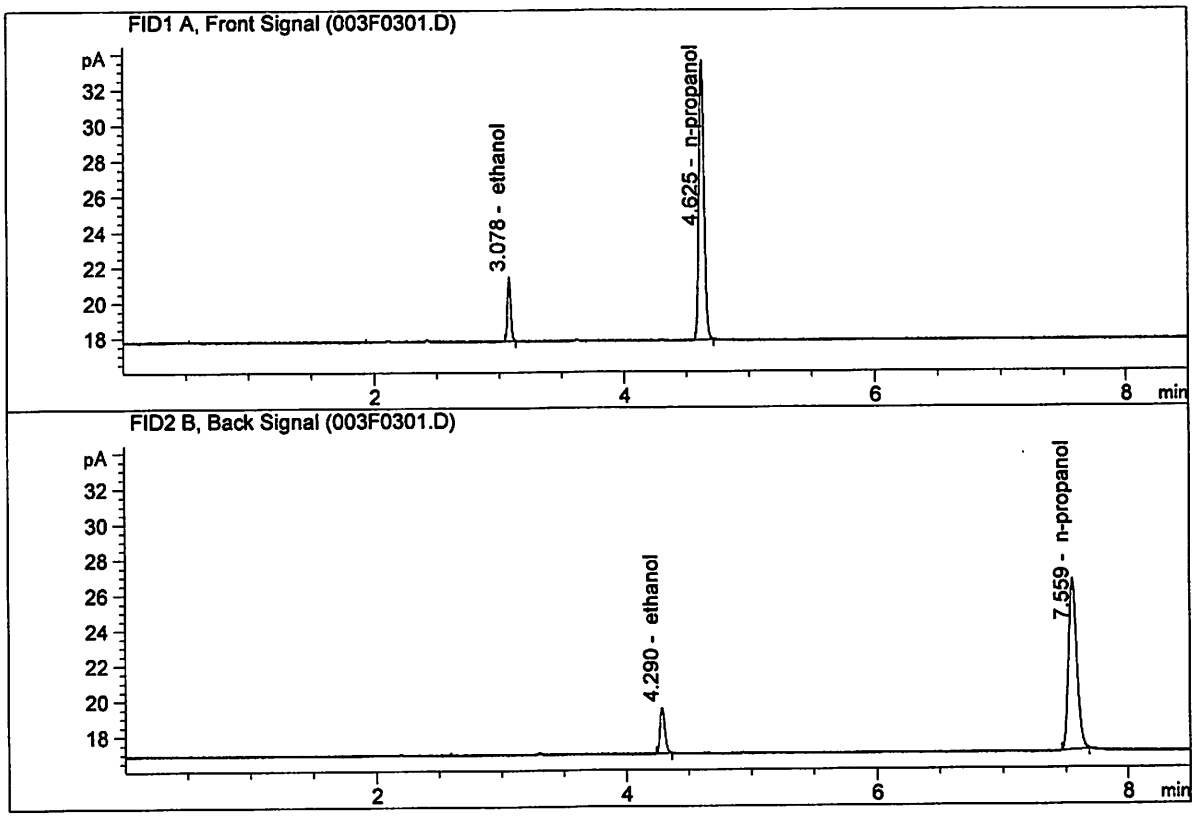
	Reported Result	
	0.077	

Calibration and control data are stored centrally.

JC

ISP Forensic Services Blood Alcohol Report

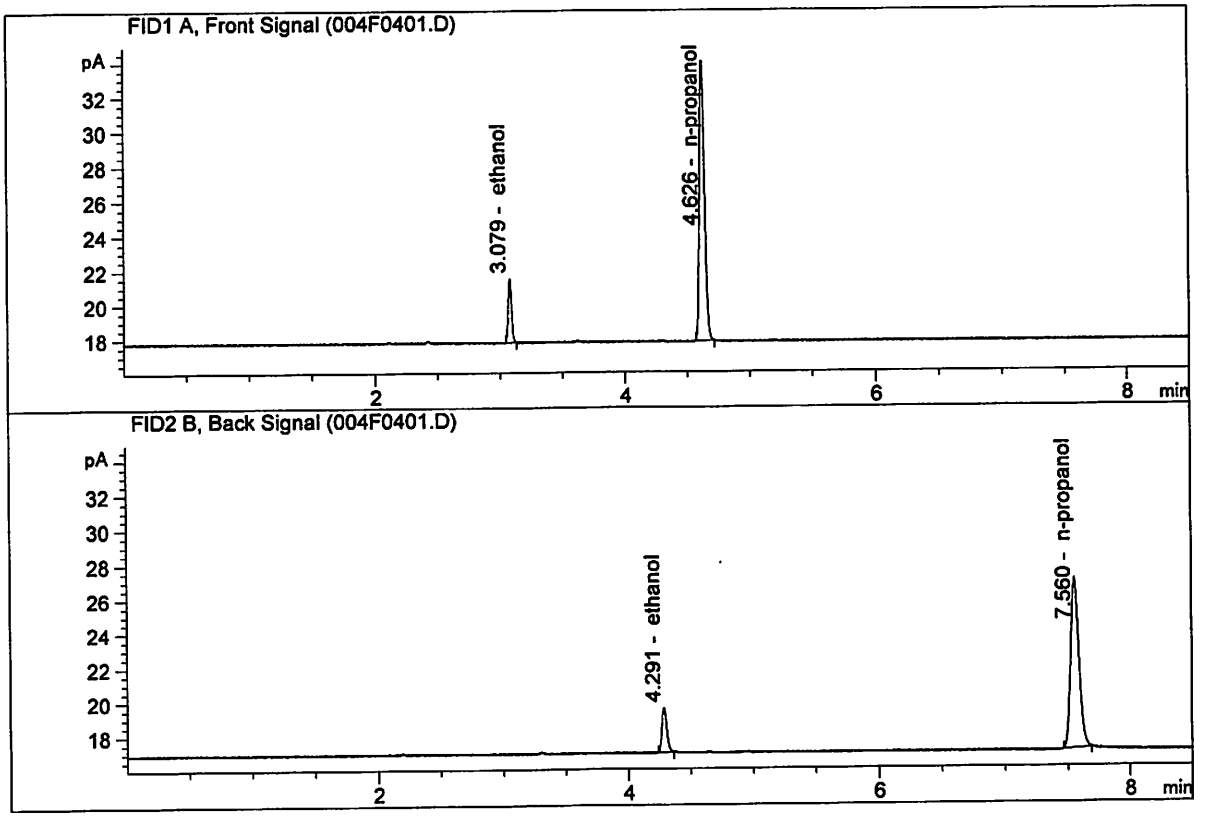
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.68840	0.0774	g/100cc
2.	Ethanol	Column 2:	6.87291	0.0782	g/100cc
3.	n-Propanol	Column 1:	44.89309	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.29509	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.82792	0.0769	g/100cc
2.	Ethanol	Column 2:	7.04672	0.0777	g/100cc
3.	n-Propanol	Column 1:	46.15329	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.77538	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 12 Dec 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2018	0.2019	0.0001	0.2018	0.2032	
(g/100cc)	0.2045	0.2048	0.0003	0.2046		

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

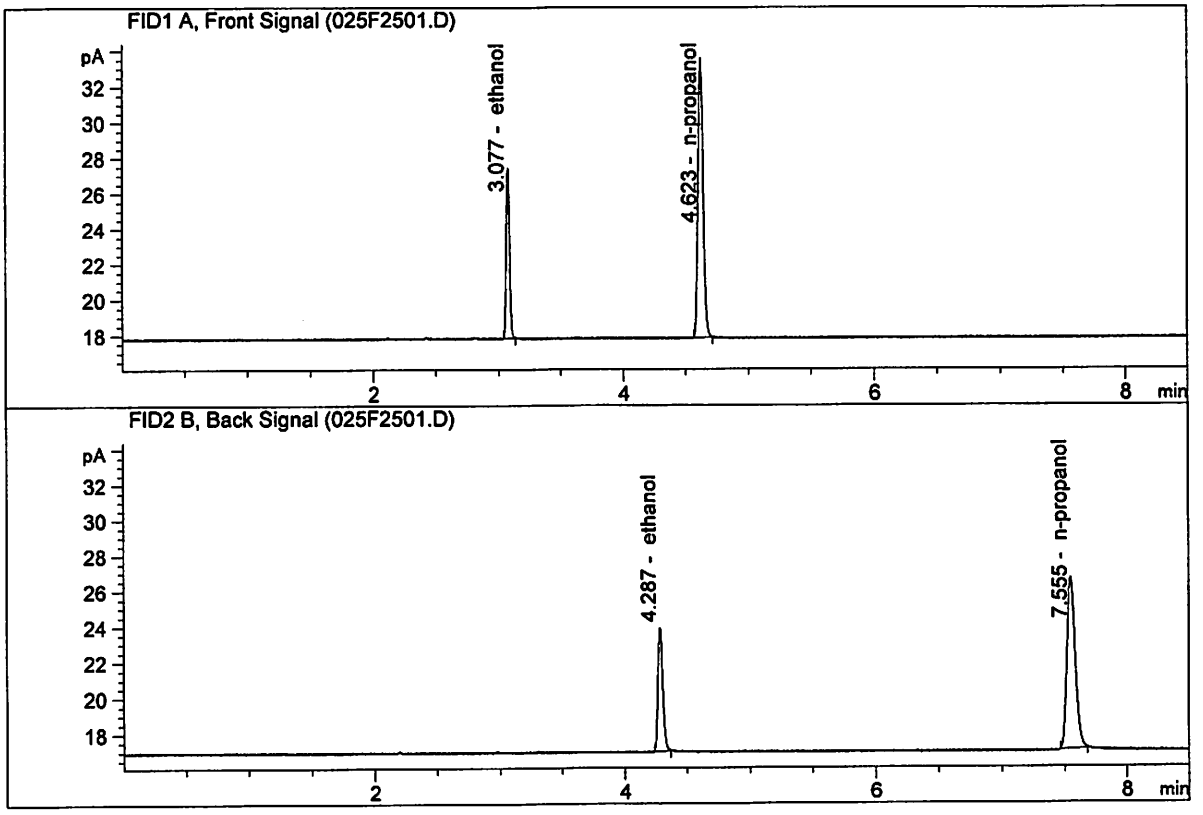
	Reported Result	
	0.203	

Calibration and control data are stored centrally.

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

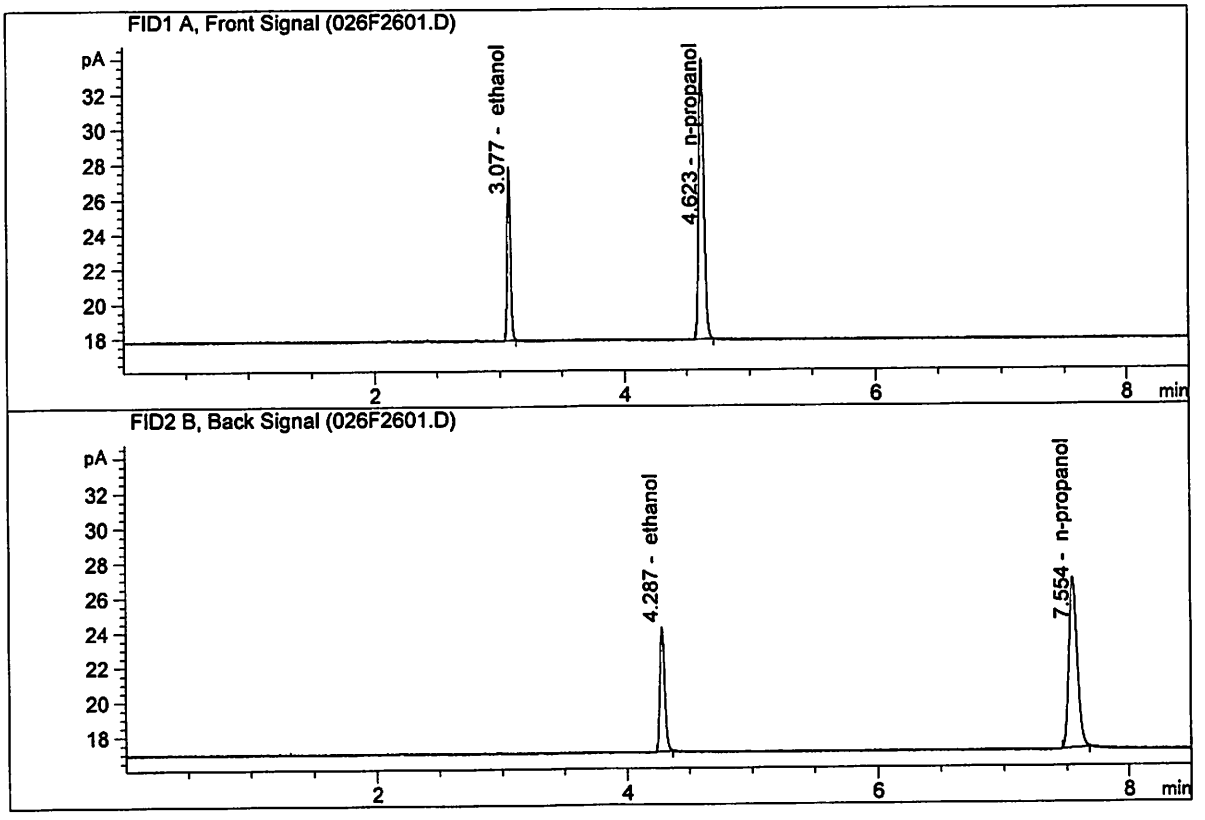


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.56554	0.2018	g/100cc
2.	Ethanol	Column 2:	18.30118	0.2019	g/100cc
3.	n-Propanol	Column 1:	44.62737	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.72865	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Dec 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.20032	0.2045	g/100cc
2.	Ethanol	Column 2:	18.99535	0.2048	g/100cc
3.	n-Propanol	Column 1:	45.62014	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.76290	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 13 Dec 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0792	0.0800	0.0008	0.0796	0.0789	
(g/100cc)	0.0774	0.0793	0.0019	0.0783		

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**

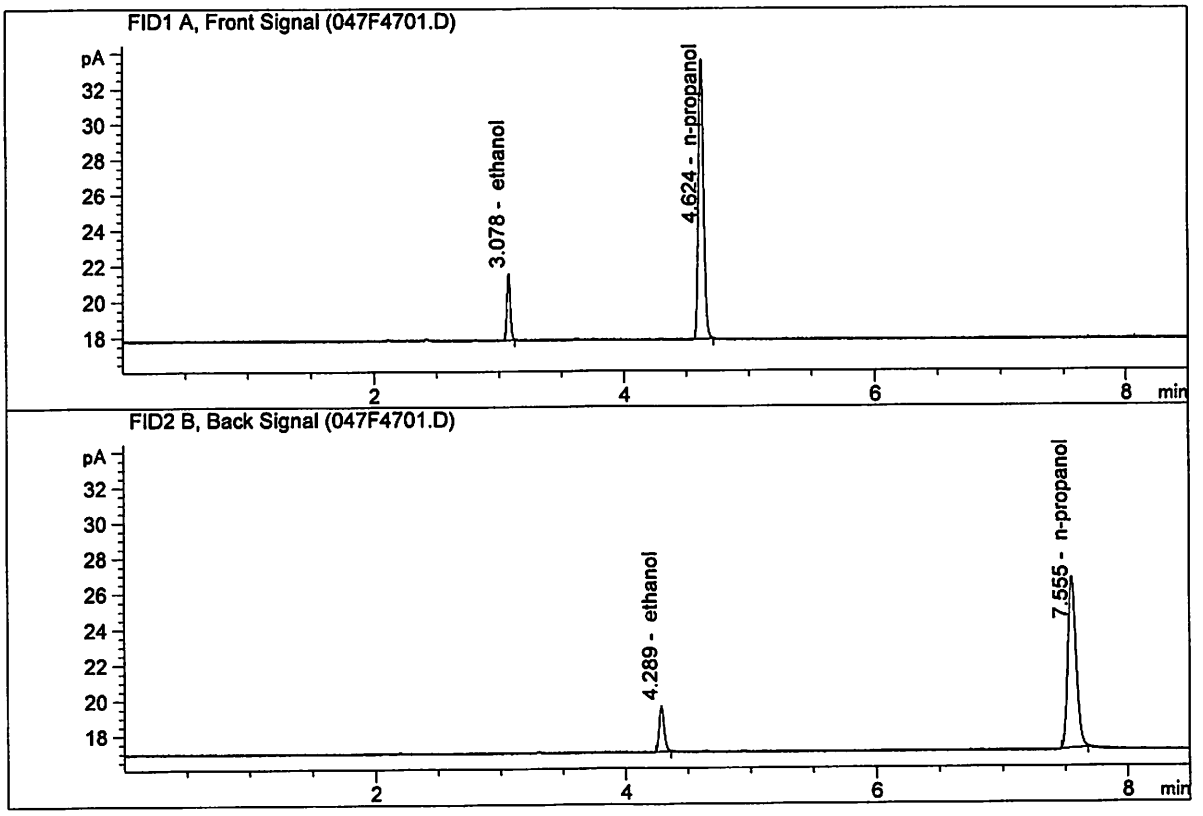
	Reported Result	
	0.078	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

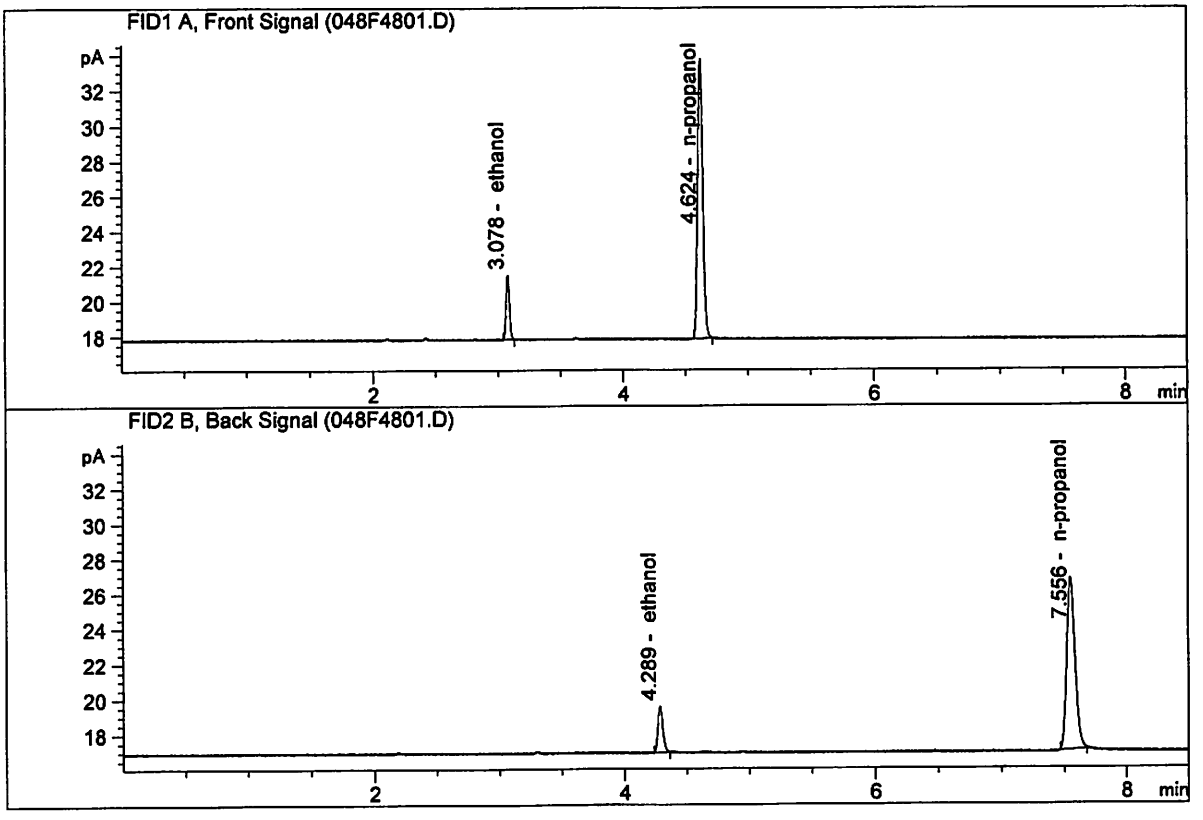
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Dec 13, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.82980	0.0792	g/100cc
2.	Ethanol	Column 2:	7.00169	0.0800	g/100cc
3.	n-Propanol	Column 1:	44.79546	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.00669	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Dec 13, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.74679	0.0774	g/100cc
2.	Ethanol	Column 2:	7.01767	0.0793	g/100cc
3.	n-Propanol	Column 1:	45.30633	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.52044	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: ~~QC1-2~~ JG 12/13/19 QC2-2 **Analysis Date(s): 13 Dec 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2002	0.1996	0.0006	0.1999	0.1985	
(g/100cc)	0.1975	0.1969	0.0006	0.1972		

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
0.198	0.188	0.208	0.010

	Reported Result	
	0.198	

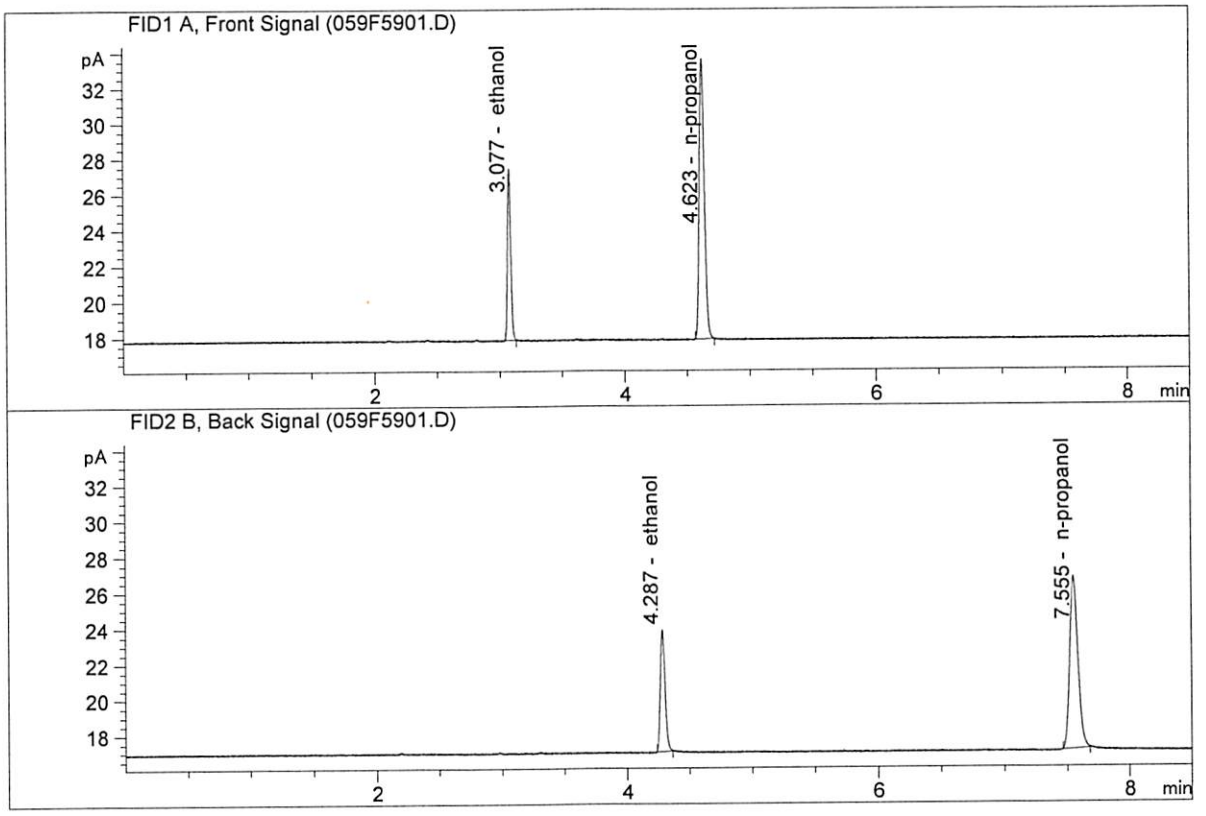
Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

QC2-2.A

Sample Name : ~~QC1-2-A~~ SG 12/13/19
Laboratory : Meridian
Injection Date : Dec 13, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



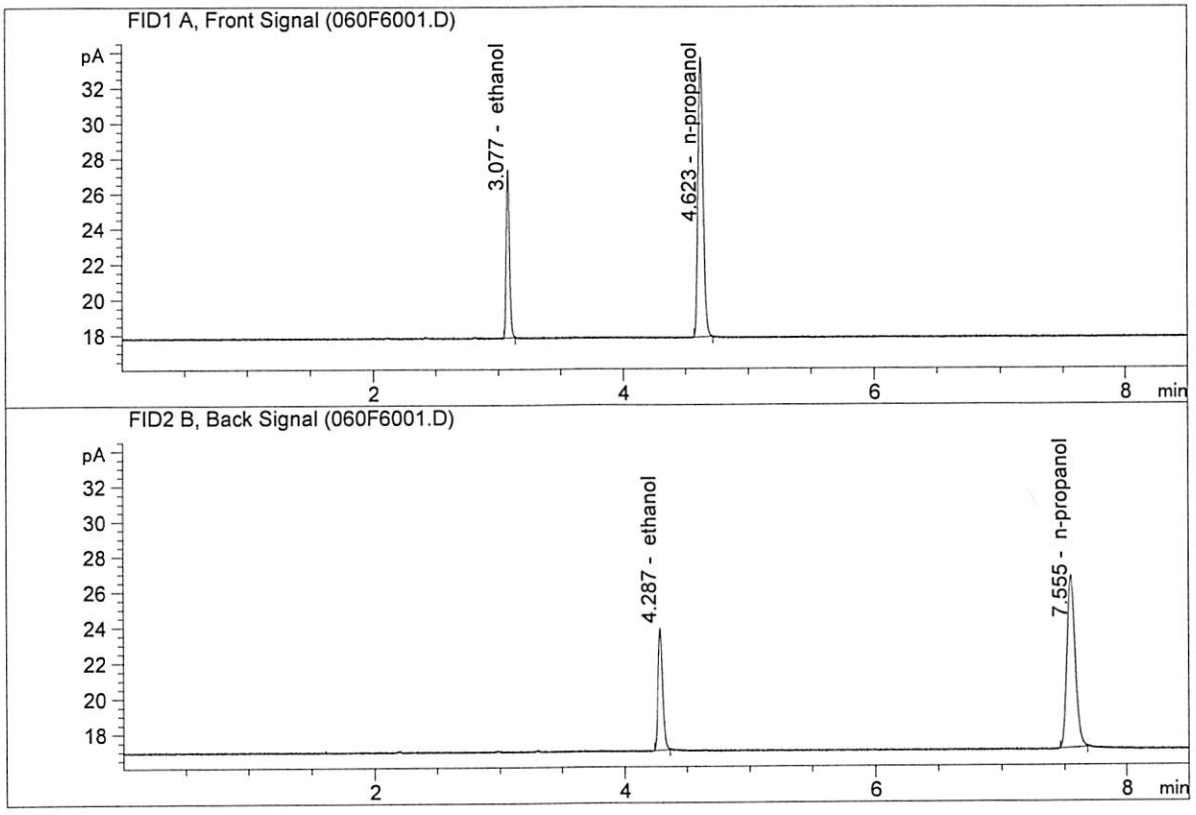
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.50906	0.2002	g/100cc
2.	Ethanol	Column 2:	18.20337	0.1996	g/100cc
3.	n-Propanol	Column 1:	44.82930	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.00729	1.0000	g/100cc

SG

ISP Forensic Services Blood Alcohol Report

QC-22-B

Sample Name : ~~QC1-2-B~~ SG 12/13/19
Laboratory : Meridian
Injection Date : Dec 13, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

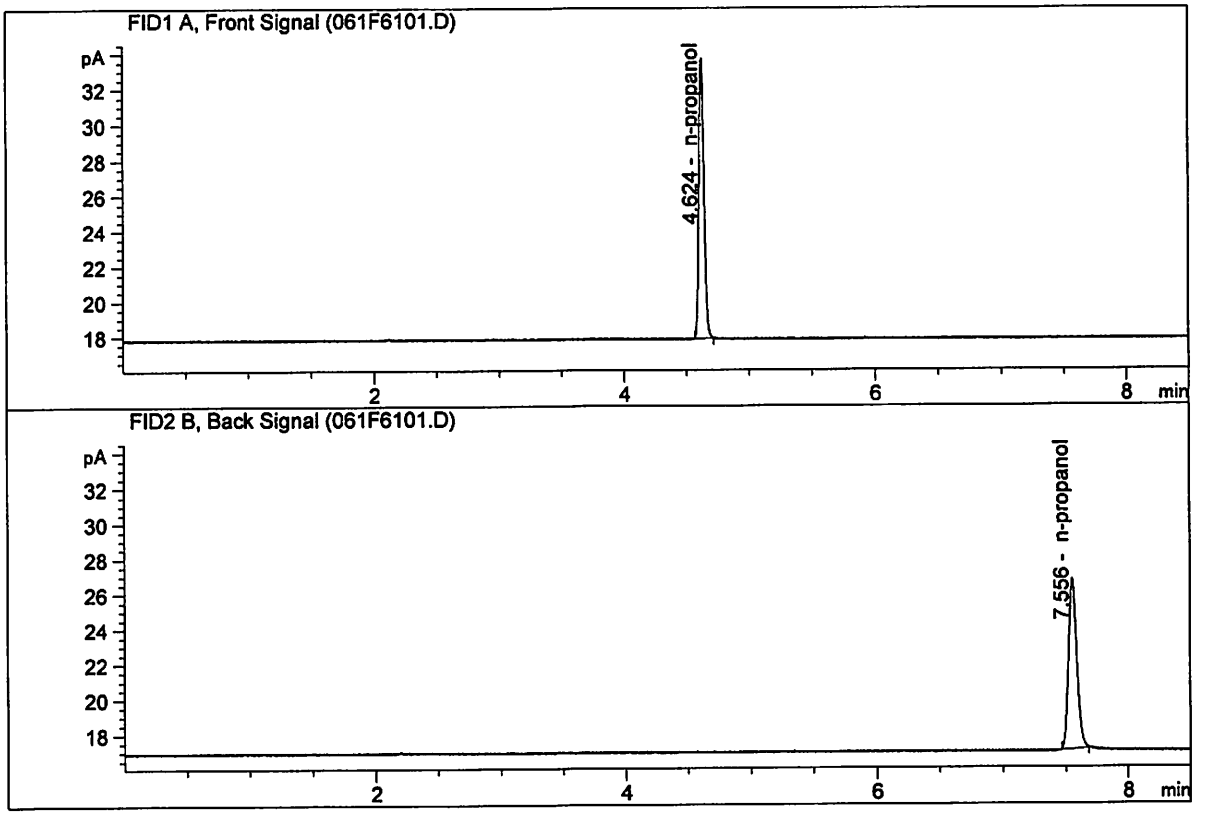


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.38631	0.1975	g/100cc
2.	Ethanol	Column 2:	18.13276	0.1969	g/100cc
3.	n-Propanol	Column 1:	45.12844	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.47126	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Dec 13, 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:	45.03454	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.41950	1.0000	g/100cc

JG

Sequence File C:\Chem32\...9_SAMPLES\12-12-19_SAMPLES 2019-12-12 15-56-39\12-12-19_SAMPLES.S

Sample Summary

Sequence table: C:\Chem32\1\Data\12-12-19_SAMPLES\12-12-19_SAMPLES 2019-12-12 15-56-39\12 12-19_SAMPLES.S
Data directory path: C:\Chem32\1\Data\12-12-19_SAMPLES\12-12-19_SAMPLES 2019-12-12 15-56-39\
Logbook: C:\Chem32\1\Data\12-12-19_SAMPLES\12-12-19_SAMPLES 2019-12-12 15-56-39\12 12-19_SAMPLES.LOG
Sequence start: 12/12/2019 4:11:27 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\12-12-19_SAMPLES\12-12-19_SAMPLES 2019-12-12 15-56-39 \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	M2019-5427-1-A	-	1.0000	007F0701.D	4
8	8	1	M2019-5427-1-B	-	1.0000	008F0801.D	4
9	9	1	M2019-5465-1-A	-	1.0000	009F0901.D	4
10	10	1	M2019-5465-1-B	-	1.0000	010F1001.D	4
11	11	1	M2019-5466-1-A	-	1.0000	011F1101.D	4
12	12	1	M2019-5466-1-B	-	1.0000	012F1201.D	4
13	13	1	M2019-5467-1-A	-	1.0000	013F1301.D	4
14	14	1	M2019-5467-1-B	-	1.0000	014F1401.D	4
15	15	1	M2019-5468-1-A	-	1.0000	015F1501.D	4
16	16	1	M2019-5468-1-B	-	1.0000	016F1601.D	4
17	17	1	M2019-5469-1-A	-	1.0000	017F1701.D	2
18	18	1	M2019-5469-1-B	-	1.0000	018F1801.D	2
19	19	1	M2019-5495-1-A	-	1.0000	019F1901.D	4
20	20	1	M2019-5495-1-B	-	1.0000	020F2001.D	4
21	21	1	M2019-5497-1-A	-	1.0000	021F2101.D	4
22	22	1	M2019-5497-1-B	-	1.0000	022F2201.D	4
23	23	1	M2019-5509-1-A	-	1.0000	023F2301.D	4
24	24	1	M2019-5509-1-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	P2019-3454-2-A	-	1.0000	027F2701.D	4
28	28	1	P2019-3454-2-B	-	1.0000	028F2801.D	4
29	29	1	P2019-3632-1-A	-	1.0000	029F2901.D	4
30	30	1	P2019-3632-1-B	-	1.0000	030F3001.D	4
31	31	1	P2019-3643-2-A	-	1.0000	031F3101.D	2
32	32	1	P2019-3643-2-B	-	1.0000	032F3201.D	2
33	33	1	P2019-3652-1-A	-	1.0000	033F3301.D	4
34	34	1	P2019-3652-1-B	-	1.0000	034F3401.D	4
35	35	1	P2019-3653-1-A	-	1.0000	035F3501.D	4
36	36	1	P2019-3653-1-B	-	1.0000	036F3601.D	4
37	37	1	P2019-3656-1-A	-	1.0000	037F3701.D	4
38	38	1	P2019-3656-1-B	-	1.0000	038F3801.D	4
39	39	1	P2019-3678-1-A	-	1.0000	039F3901.D	2
40	40	1	P2019-3678-1-B	-	1.0000	040F4001.D	2
41	41	1	P2019-3687-1-A	-	1.0000	041F4101.D	4
42	42	1	P2019-3687-1-B	-	1.0000	042F4201.D	4
43	43	1	P2019-3688-1-A	-	1.0000	043F4301.D	4

JG

Sequence File C:\Chem32\...9_SAMPLES\12-12-19_SAMPLES 2019-12-12 15-56-39\12-12-19_SAMPLES.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	P2019-3688-1-B	-	1.0000	044F4401.D	4
45	45	1	P2019-3692-1-A	-	1.0000	045F4501.D	2
46	46	1	P2019-3692-1-B	-	1.0000	046F4601.D	2
47	47	1	QC1-2-A	-	1.0000	047F4701.D	4
48	48	1	QC1-2-B	-	1.0000	048F4801.D	4
49	49	1	P2019-3697-1-A	-	1.0000	049F4901.D	4
50	50	1	P2019-3697-1-B	-	1.0000	050F5001.D	4
51	51	1	P2019-3702-1-A	-	1.0000	051F5101.D	4
52	52	1	P2019-3702-1-B	-	1.0000	052F5201.D	4
53	53	1	P2019-3703-1-A	-	1.0000	053F5301.D	6
54	54	1	P2019-3703-1-B	-	1.0000	054F5401.D	6
55	55	1	P2019-3714-1-A	-	1.0000	055F5501.D	2
56	56	1	P2019-3714-1-B	-	1.0000	056F5601.D	2
57	57	1	P2019-3718-1-A	-	1.0000	057F5701.D	2
58	58	1	P2019-3718-1-B	-	1.0000	058F5801.D	2
59	59	1	~~QC1-2-A~~ QC2-2-A JG 12/13/19	-	1.0000	059F5901.D	4
60	60	1	~~QC1-2-B~~ QC2-2-B JG 12/13/19	-	1.0000	060F6001.D	4
61	61	1	INTERNAL STD BLK	-	1.0000	061F6101.D	2

Method file name: C:\Chem32\1\Data\12-12-19_SAMPLES\12-12-19_SAMPLES 2019-12-12 15-56-39\SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
62	62	1	EMPTY	-	1.0000	062F6201.D	0

JG