Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 12/03/2020**

Calibration Date: 12/02/2020

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0721 g/100cc
					0.0724 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2001 g/100cc
					0.2000 g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN07101701	OK
Curve Fit:	**Column 1**	1.00000	**Column2**	0.99995

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0506	0.0520	0.0014	0.0513
100	0.100	0.090 - 0.110	0.0996	0.0999	0.0003	0.0997
200	0.200	0.180 - 0.220	0.1999	0.1985	0.0014	0.1992
300	0.300	0.270 - 0.330	0.2996	0.2980	0.0016	0.2988
400	0.400	0.360 - 0.440				
500	0.500	0.450 - 0.550	0.5003	0.5016	0.0013	0.5009

Aqueous Controls

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

MB

REVIEWED
By Melissa (Nikka) Bradley at 9:30 am, Dec 04, 2020

Revision: 2
Issue Date: 12/23/2019
Issuing Authority: Quality Manager

12/4/2020

Worklist: 4648

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-4704	2	BCK	Alcohol Analysis
M2020-4705	2	BCK	Alcohol Analysis
M2020-4706	2	BCK	Alcohol Analysis
M2020-4707	2	BCK	Alcohol Analysis
M2020-4729	1	BCK	Alcohol Analysis
M2020-4730	1	BCK	Alcohol Analysis
M2020-4739	1	BCK	Alcohol Analysis
M2020-4740	1	BCK	Alcohol Analysis
M2020-4741	1	BCK	Alcohol Analysis
M2020-4750	1	BCK	Alcohol Analysis
M2020-4758	1	BCK	Alcohol Analysis
M2020-4799	1	BCK	Alcohol Analysis
M2020-4821	1	BCK	Alcohol Analysis
M2020-4827	1	BCK	Alcohol Analysis
M2020-4828	1	BCK	Alcohol Analysis
M2020-4829	1	BCK	Alcohol Analysis
M2020-4830	1	BCK	Alcohol Analysis
M2020-4830	2	BCK	Alcohol Analysis
M2020-4830	3	BCK	Alcohol Analysis
M2020-4830	4	BCK	Alcohol Analysis
P2020-3437	1	BCK	Alcohol Analysis

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, December 02, 2020 3:11:40 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

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	4.34498	1.15075e-2	No	No	1	ethanol
		2	1.00000e-1	8.86899	1.12752e-2				
		3	2.00000e-1	18.02731	1.10943e-2				
		4	3.00000e-1	27.31837	1.09816e-2				
		5	5.00000e-1	45.26560	1.10459e-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	4.44127	1.12580e-2	No	No	2	ethanol
		2	1.00000e-1	9.12597	1.09577e-2				
		3	2.00000e-1	18.69092	1.07004e-2				
		4	3.00000e-1	28.49630	1.05277e-2				
		5	5.00000e-1	47.64911	1.04934e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	45.54263	2.19574e-2	No	Yes	1	n-propanol
		2	1.00000	46.71490	2.14064e-2				
		3	1.00000	47.07896	2.12409e-2				
		4	1.00000	47.51825	2.10445e-2				
		5	1.00000	47.08937	2.12362e-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	47.32882	2.11288e-2	No	Yes	2	n-propanol
		2	1.00000	48.20191	2.07461e-2				
		3	1.00000	48.41974	2.06527e-2				
		4	1.00000	48.74254	2.05160e-2				
		5	1.00000	48.09188	2.07935e-2				

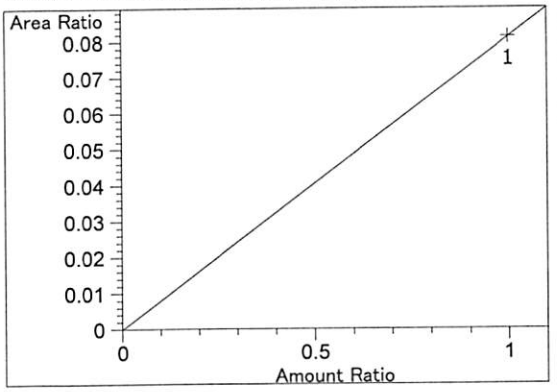
Peak Sum Table

No Entries in table

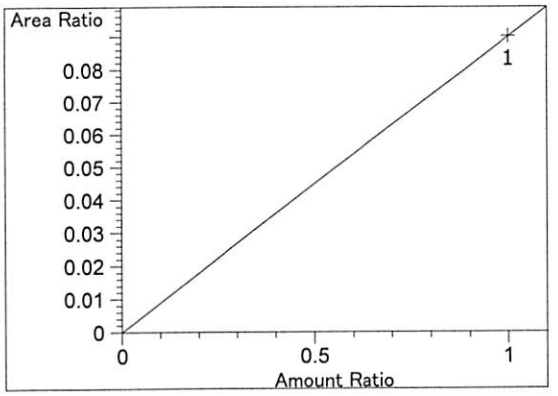
1 Warnings or Errors :

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

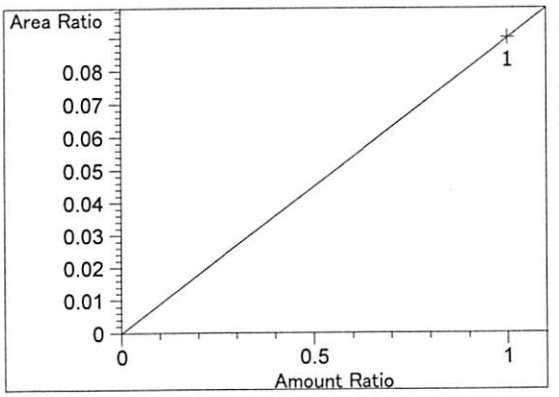
Calibration Curves



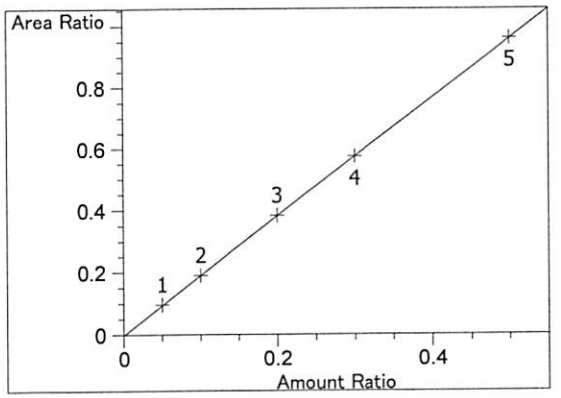
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.11700e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



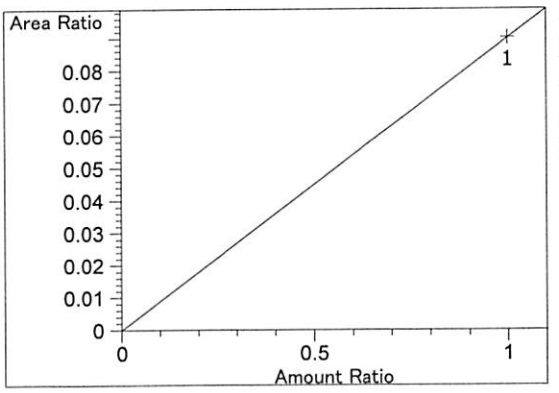
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.00297e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



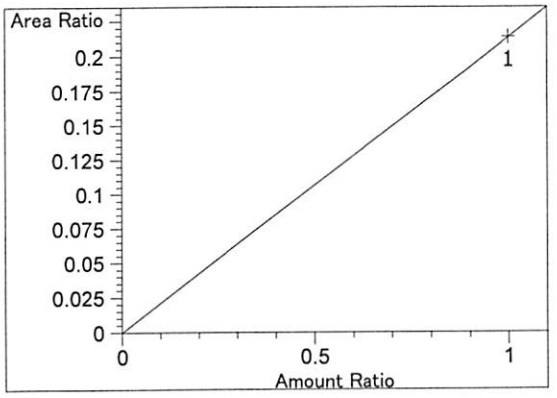
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.00297e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



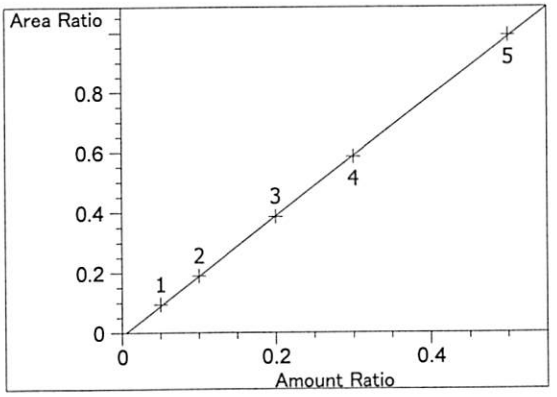
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00093
Formula: y = mx + b
m: 1.92535
b: -1.96102e-3
x: Amount Ratio
y: Area Ratio



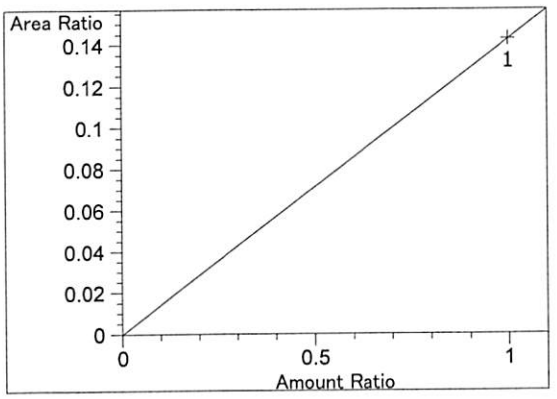
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.00218e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



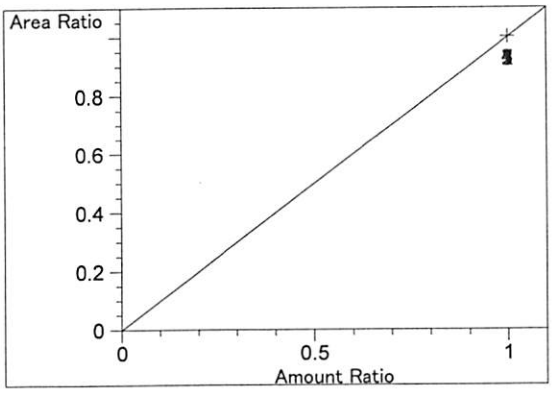
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.13658e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



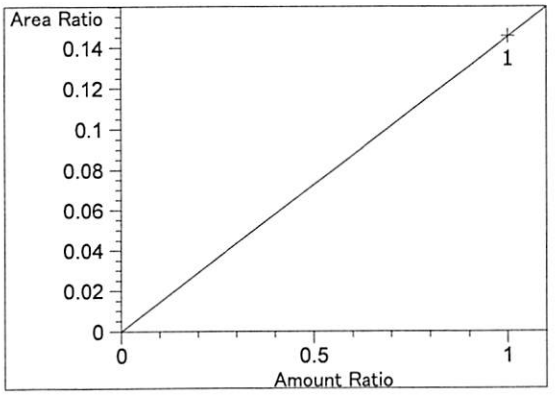
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99995
Residual Std. Dev.: 0.00414
Formula: y = mx + b
m: 1.99495
b: -9.91785e-3
x: Amount Ratio
y: Area Ratio



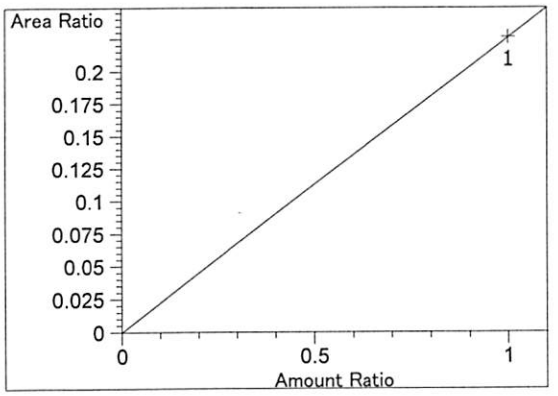
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.42710e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



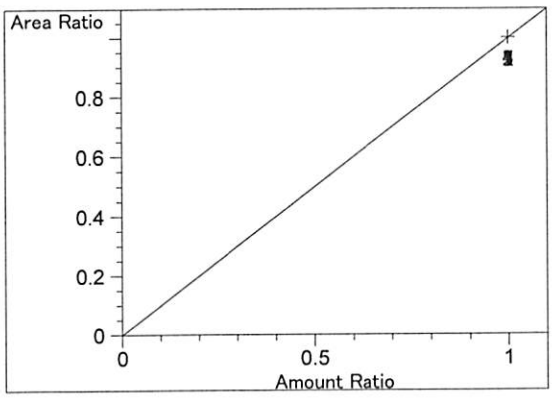
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.45641e-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: 2.26213e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

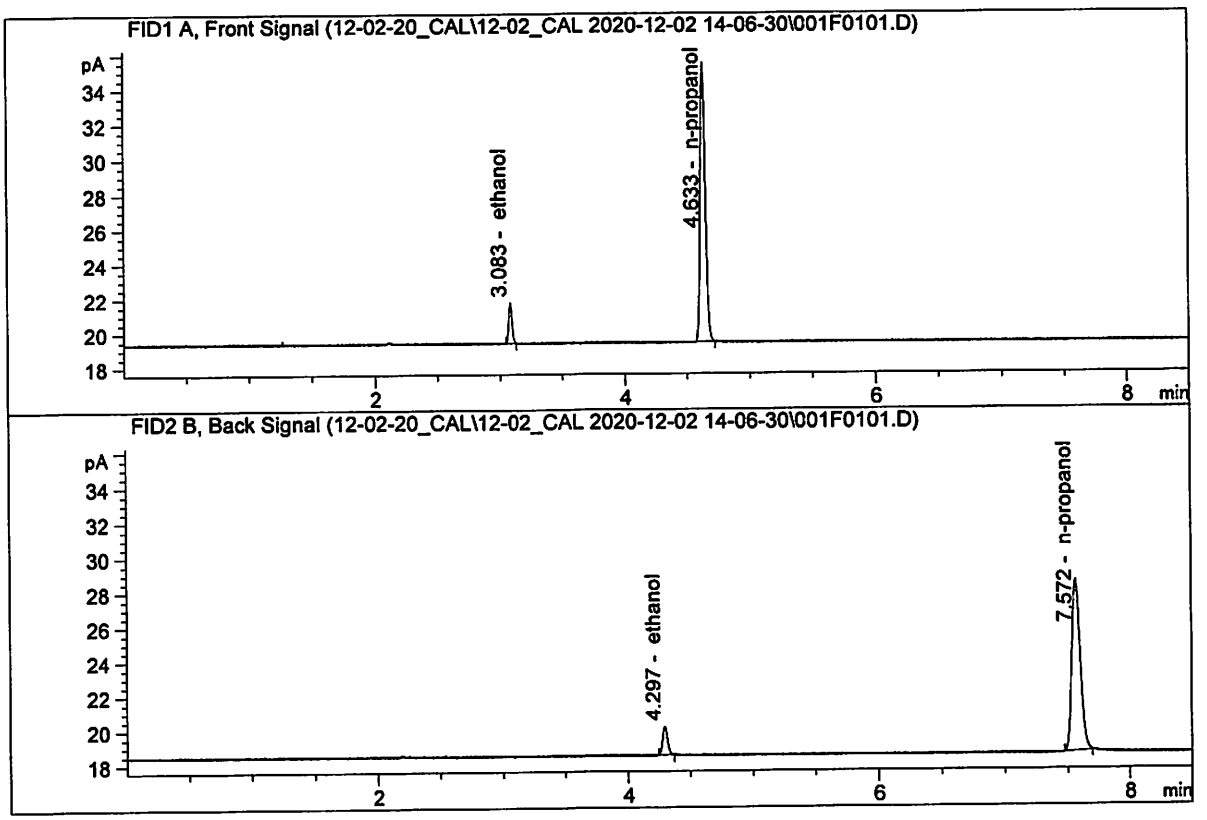


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

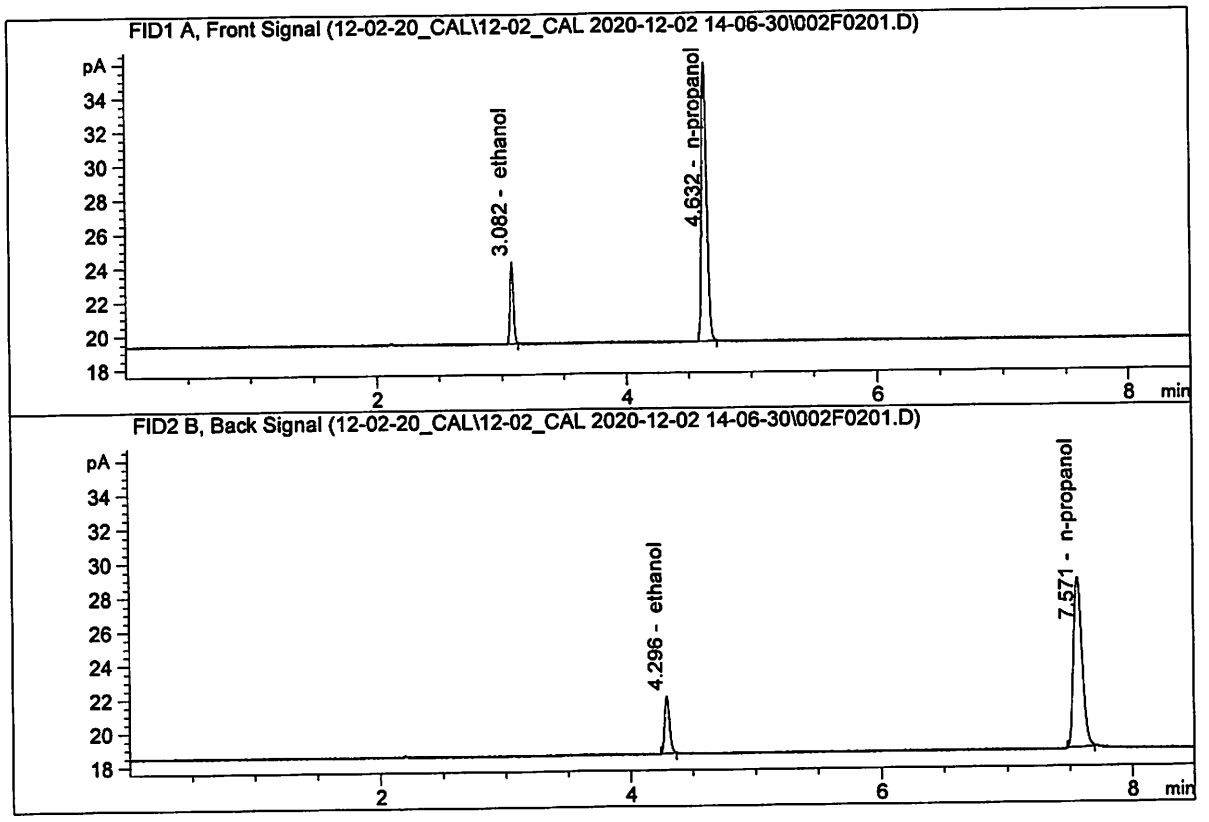
Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Dec 2, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.34498	0.0506	g/100cc
2.	Ethanol	Column 2:	4.44127	0.0520	g/100cc
3.	n-Propanol	Column 1:	45.54263	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.32882	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Dec 2, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

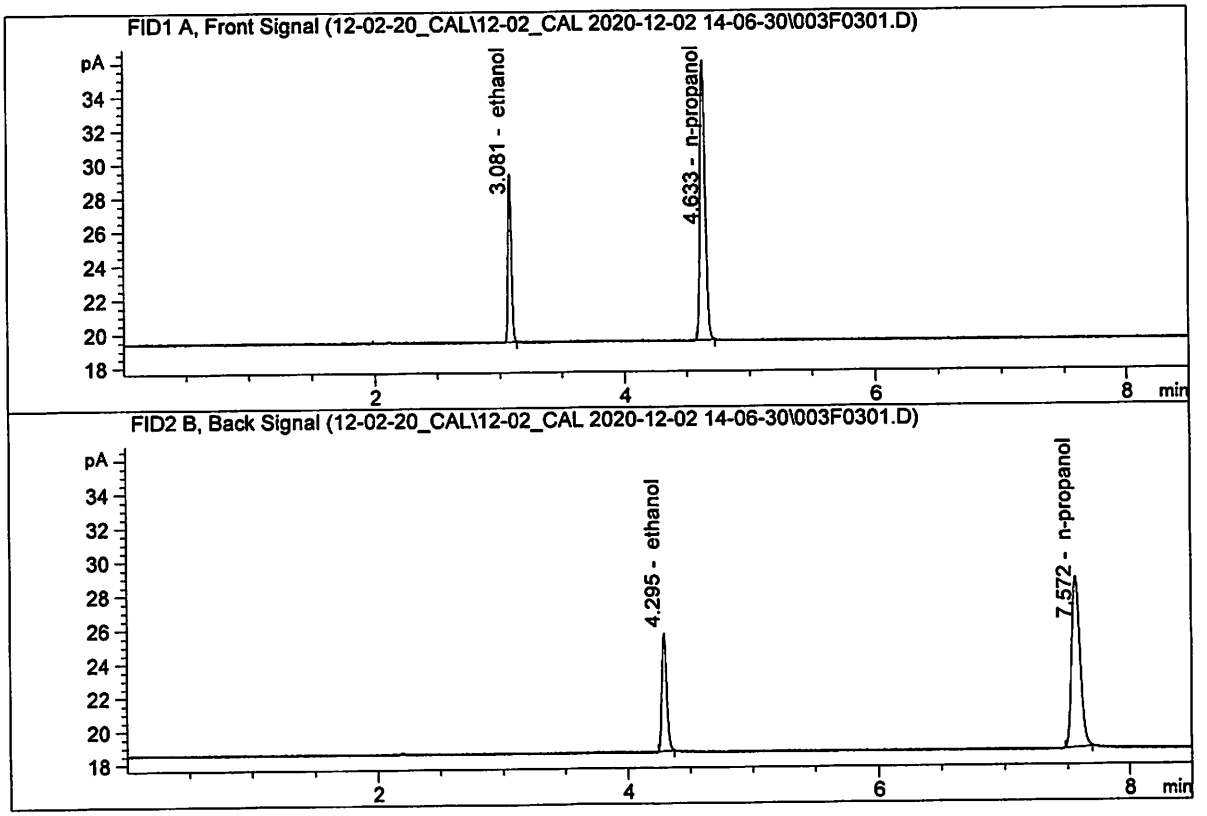


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.86899	0.0996	g/100cc
2.	Ethanol	Column 2:	9.12597	0.0999	g/100cc
3.	n-Propanol	Column 1:	46.71490	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.20191	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Dec 2, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

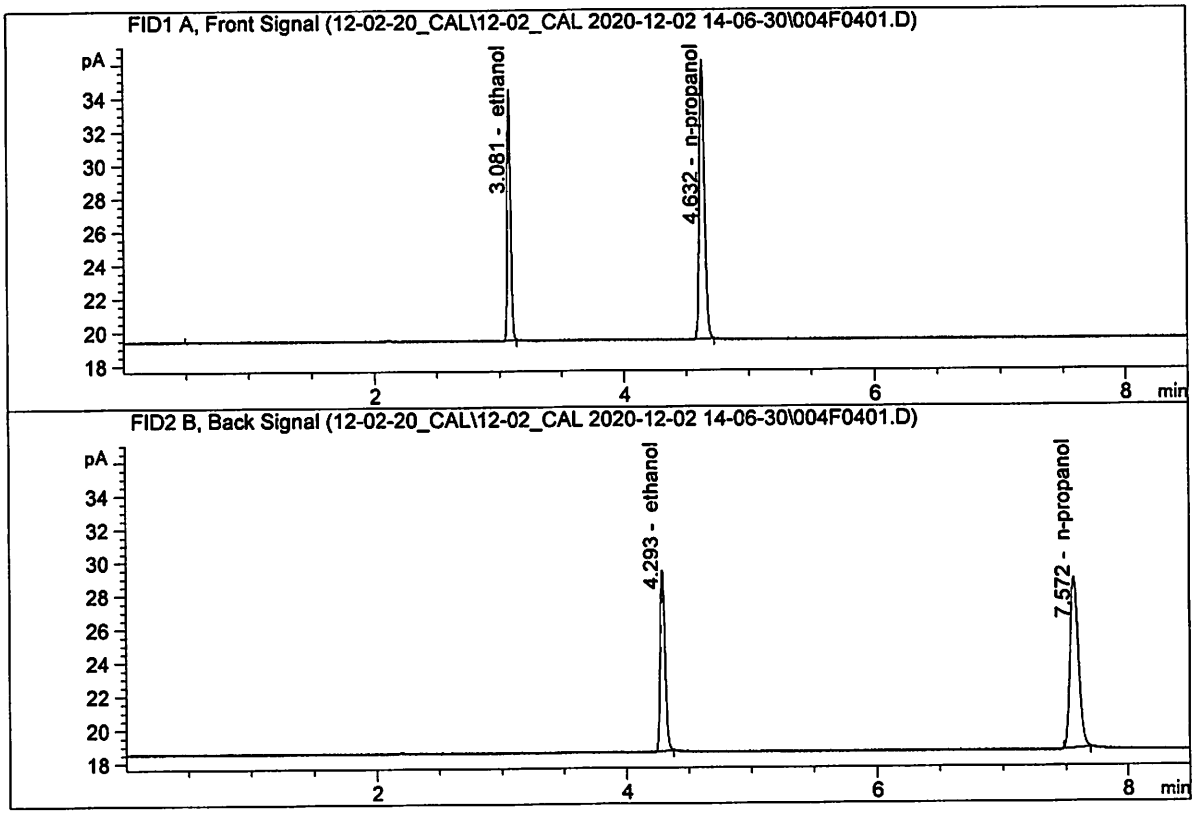


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.02731	0.1999	g/100cc
2.	Ethanol	Column 2:	18.69092	0.1985	g/100cc
3.	n-Propanol	Column 1:	47.07896	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.41974	1.0000	g/100cc

N

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Dec 2, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

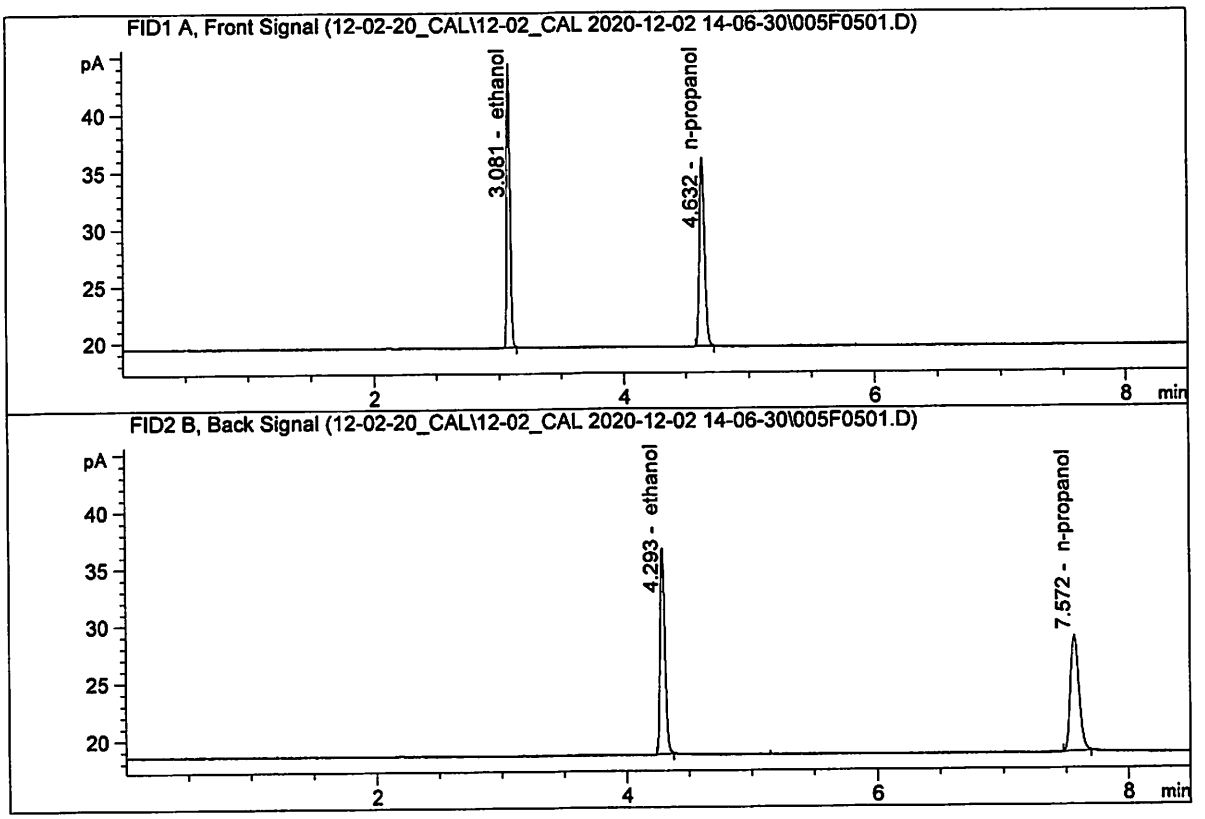


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.31837	0.2996	g/100cc
2.	Ethanol	Column 2:	28.49630	0.2980	g/100cc
3.	n-Propanol	Column 1:	47.51825	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.74254	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

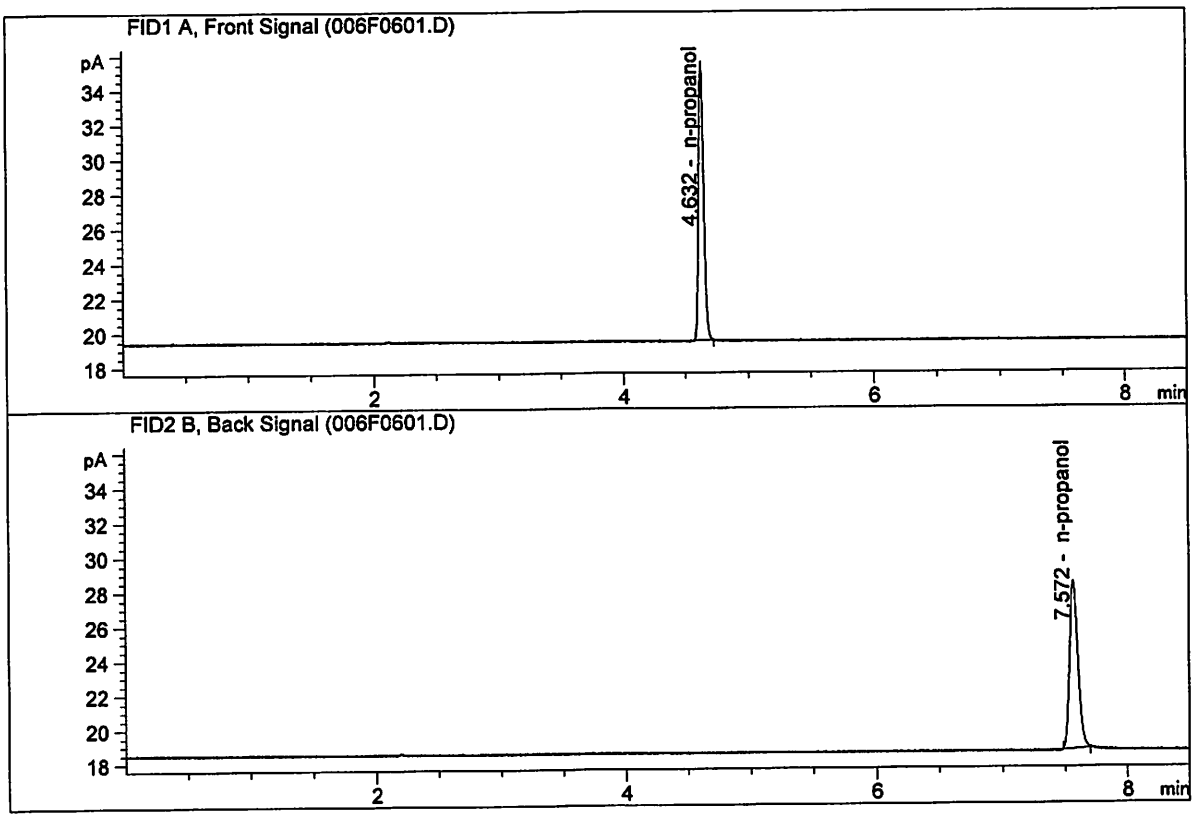
Sample Name : 0.500 FN08241801
Laboratory : Meridian
Injection Date : Dec 2, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.26560	0.5003	g/100cc
2.	Ethanol	Column 2:	47.64911	0.5016	g/100cc
3.	n-Propanol	Column 1:	47.08937	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.09188	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Dec 2, 2020
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:	45.91302	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.77240	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\12-02-20_CAL\12-02_CAL 2020-12-02 14-06-30\12-02_CAL.S

Sample Summary

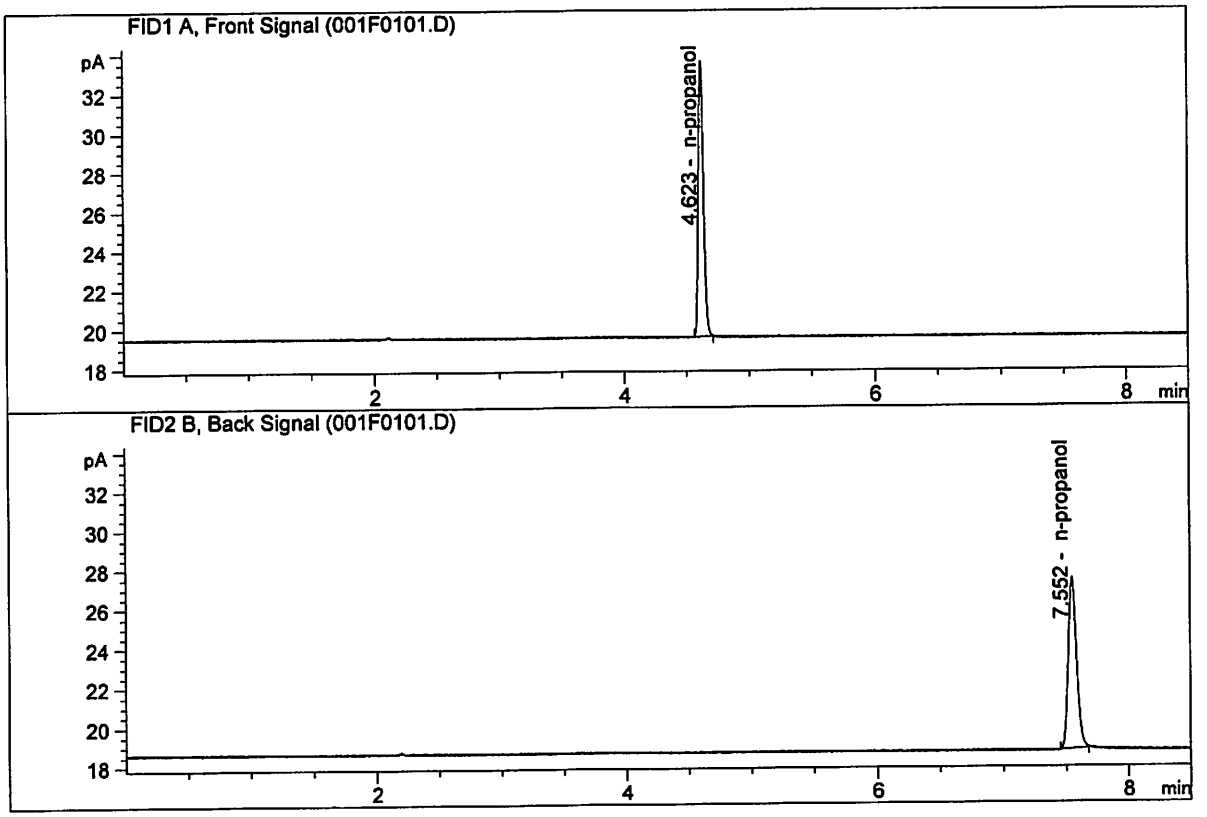
Sequence table: C:\Chem32\1\Data\12-02-20_CAL\12-02_CAL 2020-12-02 14-06-30\12-02_CAL.S
Data directory path: C:\Chem32\1\Data\12-02-20_CAL\12-02_CAL 2020-12-02 14-06-30\
Logbook: C:\Chem32\1\Data\12-02-20_CAL\12-02_CAL 2020-12-02 14-06-30\12-02_CAL.LOG
Sequence start: 12/2/2020 2:21:07 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\12-02-20_CAL\12-02_CAL 2020-12-02 14-06-30\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 FN08241801	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

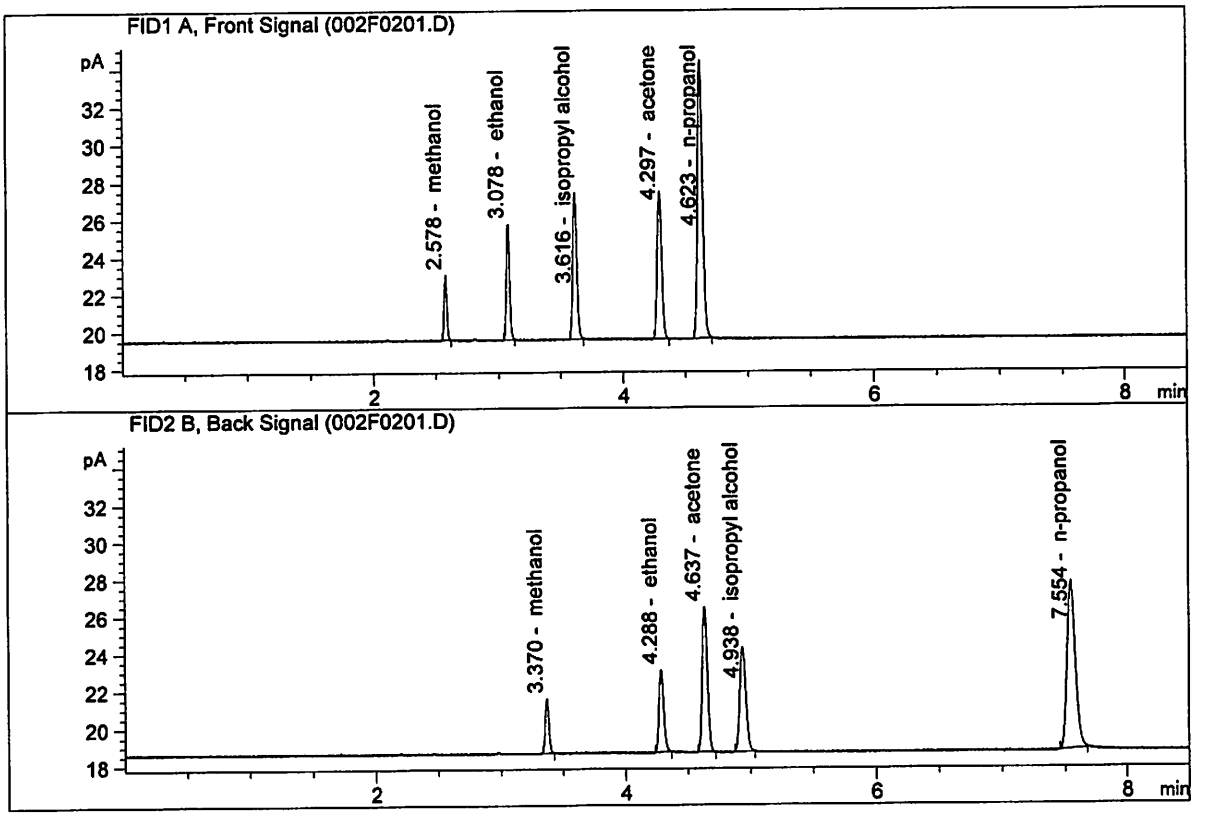
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	39.99047	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.47577	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN007101701
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.02981	0.1384	g/100cc
2.	Ethanol	Column 2:	11.48255	0.1400	g/100cc
3.	n-Propanol	Column 1:	41.70733	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.63129	1.0000	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 03 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0716	0.0729	0.0013	0.0722	0.0002	0.0721
(g/100cc)	0.0716	0.0725	0.0009	0.0720		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

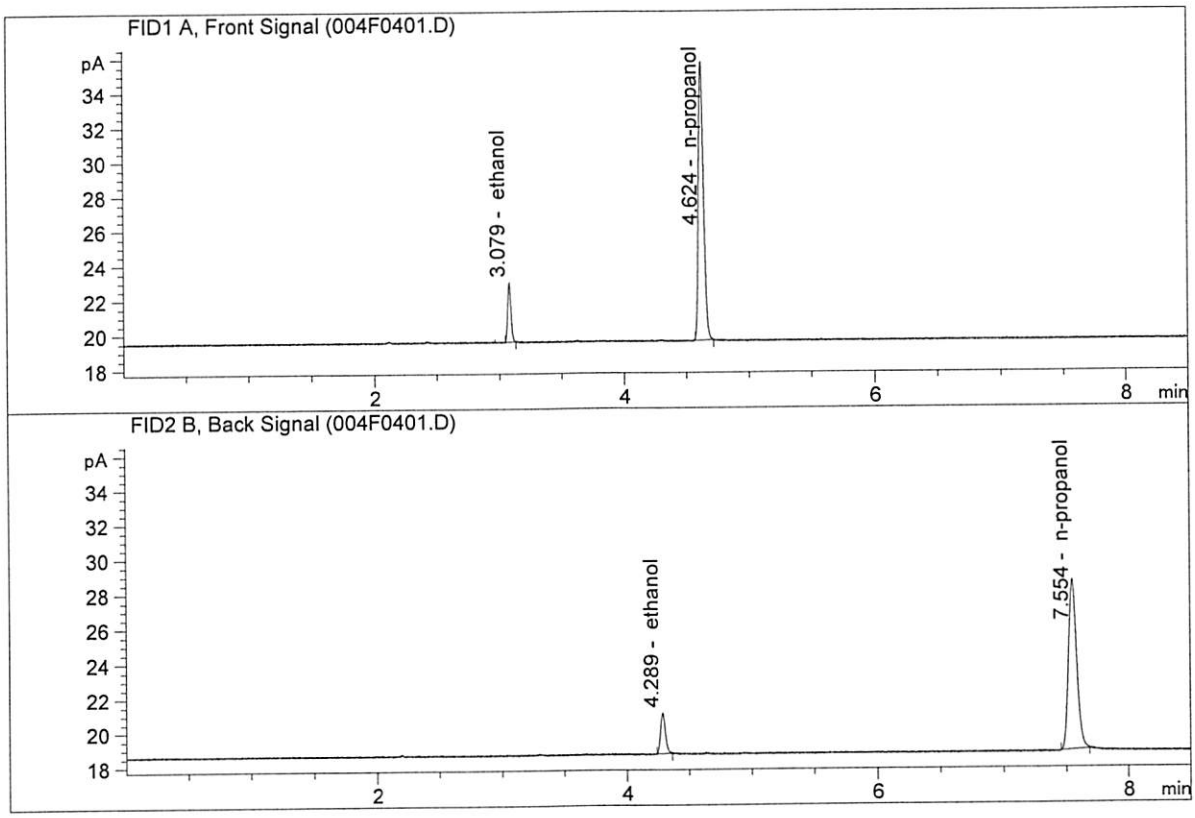
Overall Mean (g/100cc)	Low	High	5% of Mean
0.072	0.068	0.076	0.004

	Reported Result	
	0.072	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

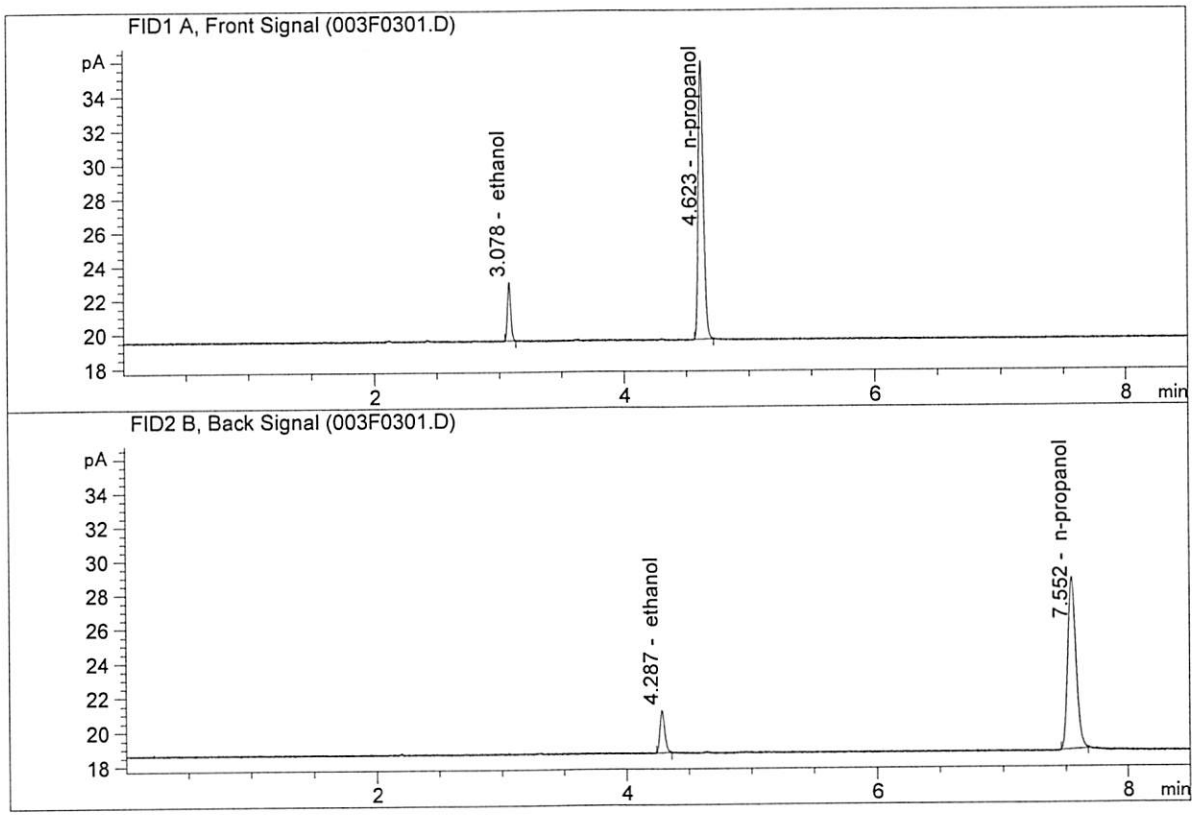
Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.22400	0.0716	g/100cc
2.	Ethanol	Column 2:	6.34424	0.0725	g/100cc
3.	n-Propanol	Column 1:	45.82083	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.07108	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.32069	0.0716	g/100cc
2.	Ethanol	Column 2:	6.46567	0.0729	g/100cc
3.	n-Propanol	Column 1:	46.49939	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.71640	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 03 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0808	0.0815	0.0007	0.0811	0.0004	0.0809
(g/100cc)	0.0803	0.0811	0.0008	0.0807		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

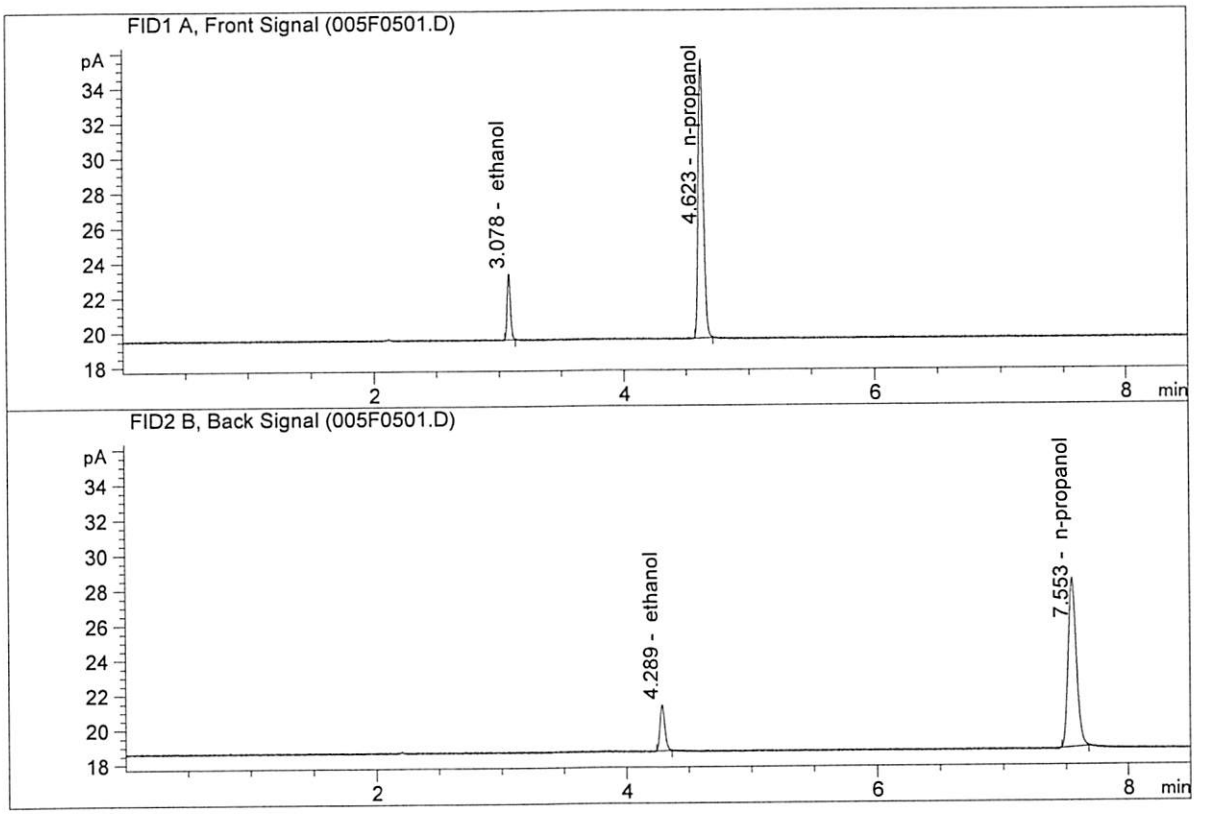
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-A
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.93952	0.0808	g/100cc
2.	Ethanol	Column 2:	7.06158	0.0815	g/100cc
3.	n-Propanol	Column 1:	45.20314	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.26620	1.0000	g/100cc

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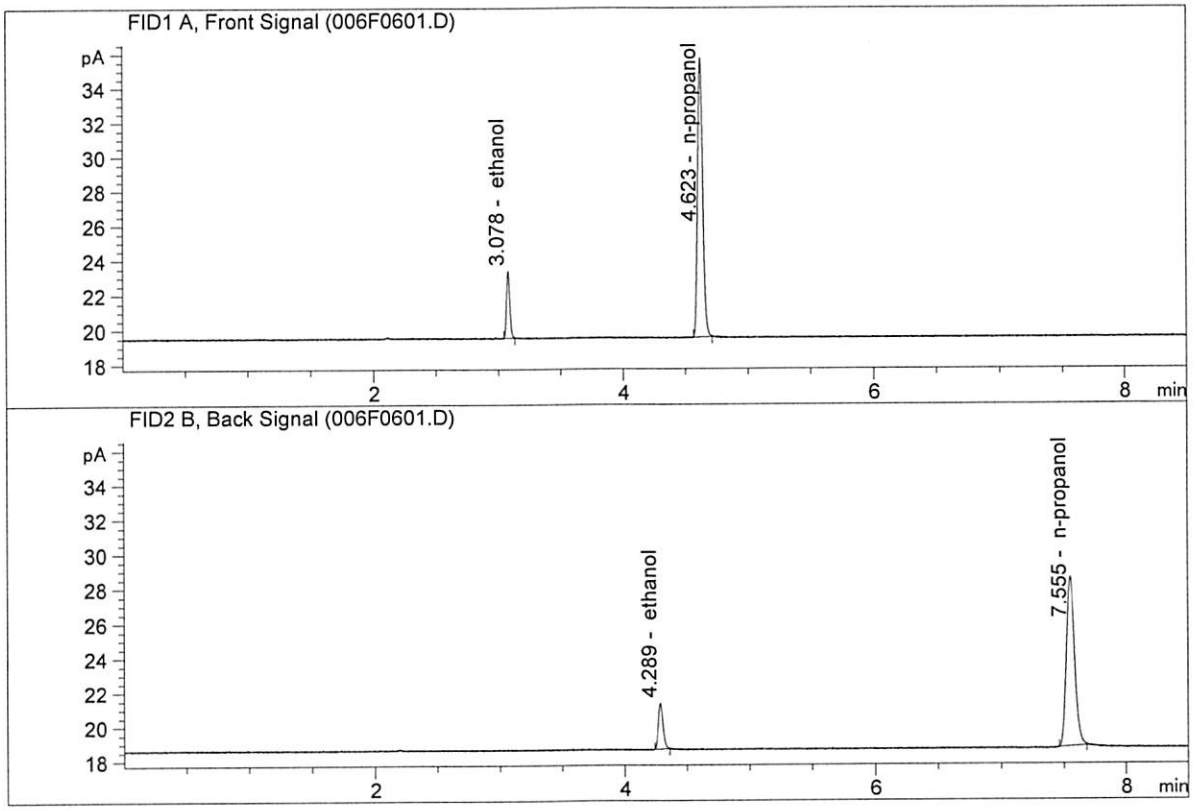
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.00511	0.0803	g/100cc
2.	Ethanol	Column 2:	7.11764	0.0811	g/100cc
3.	n-Propanol	Column 1:	45.91802	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.88829	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 03 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1988	0.1991	0.0003	0.1989	0.0023	0.2001
(g/100cc)	0.2006	0.2019	0.0013	0.2012		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

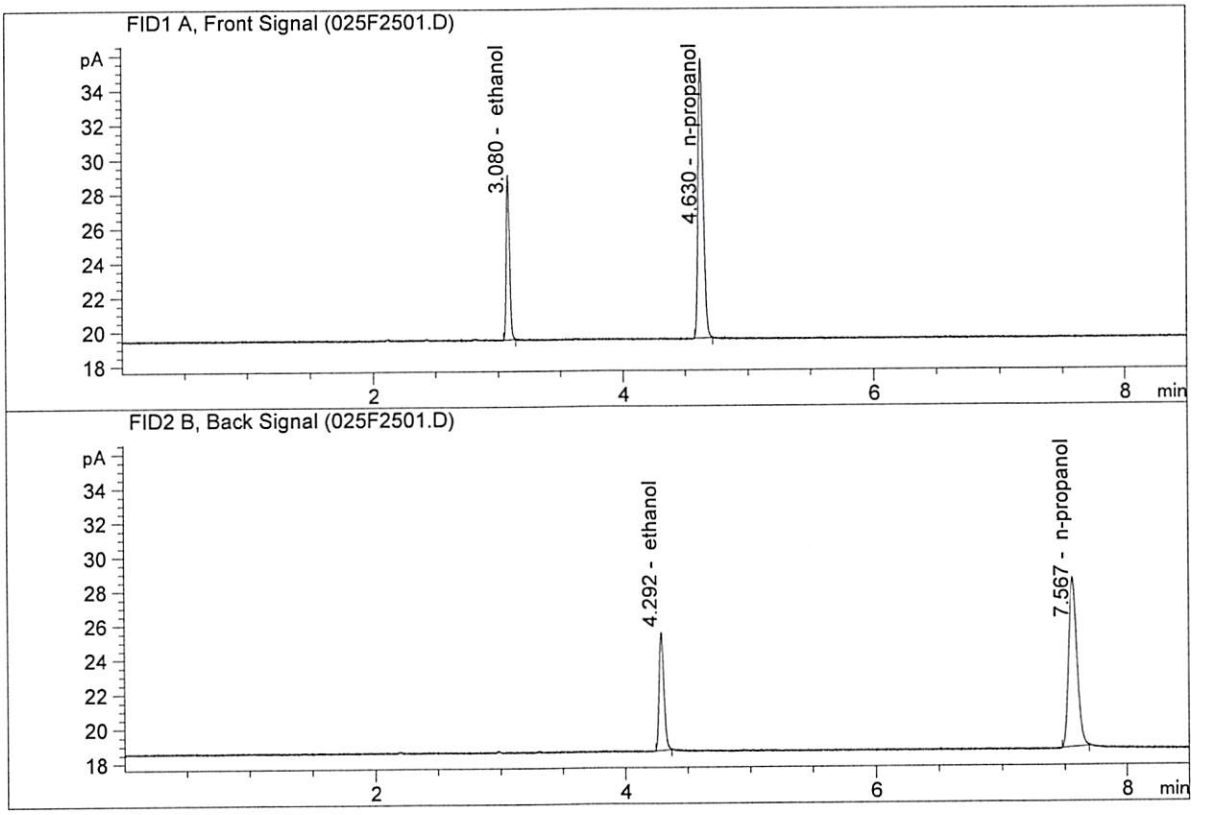
Overall Mean (g/100cc)	Low	High	5% of Mean
0.200	0.190	0.210	0.010

	Reported Result	
	0.200	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

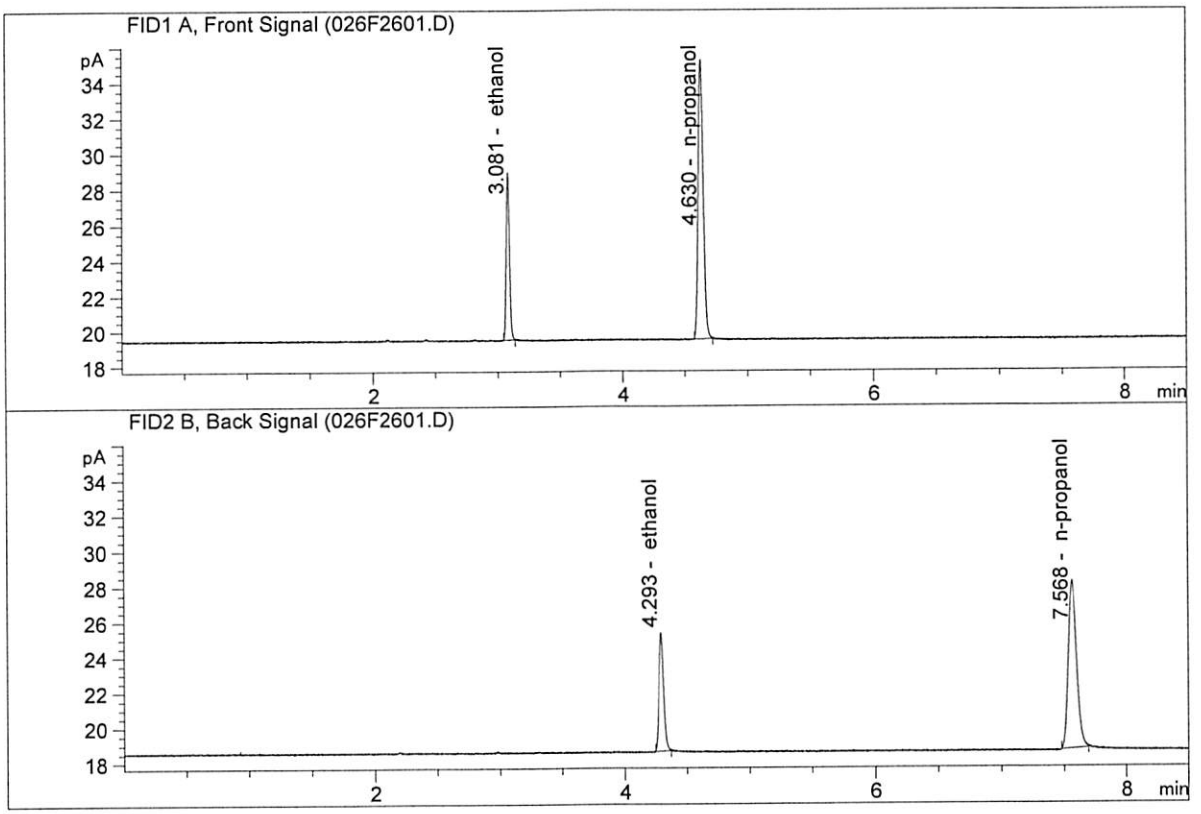
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.51936	0.1988	g/100cc
2.	Ethanol	Column 2:	18.09670	0.1991	g/100cc
3.	n-Propanol	Column 1:	46.00686	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.73837	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.19268	0.2006	g/100cc
2.	Ethanol	Column 2:	17.79896	0.2019	g/100cc
3.	n-Propanol	Column 1:	44.74800	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.29919	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 03 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0724	0.0732	0.0008	0.0728	0.0007	0.0724
(g/100cc)	0.0715	0.0728	0.0013	0.0721		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

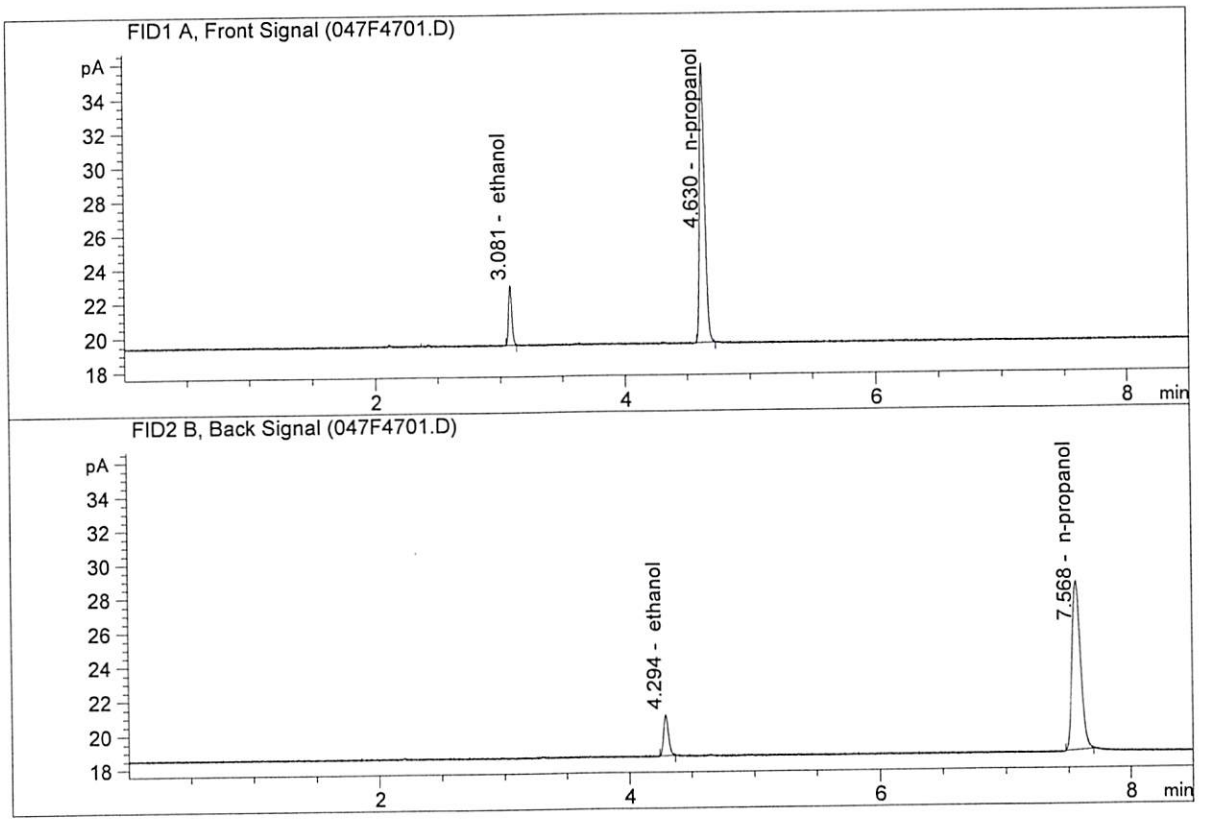
Overall Mean (g/100cc)	Low	High	5% of Mean
0.072	**0.068**	**0.076**	**0.004**

	Reported Result	
	0.072	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

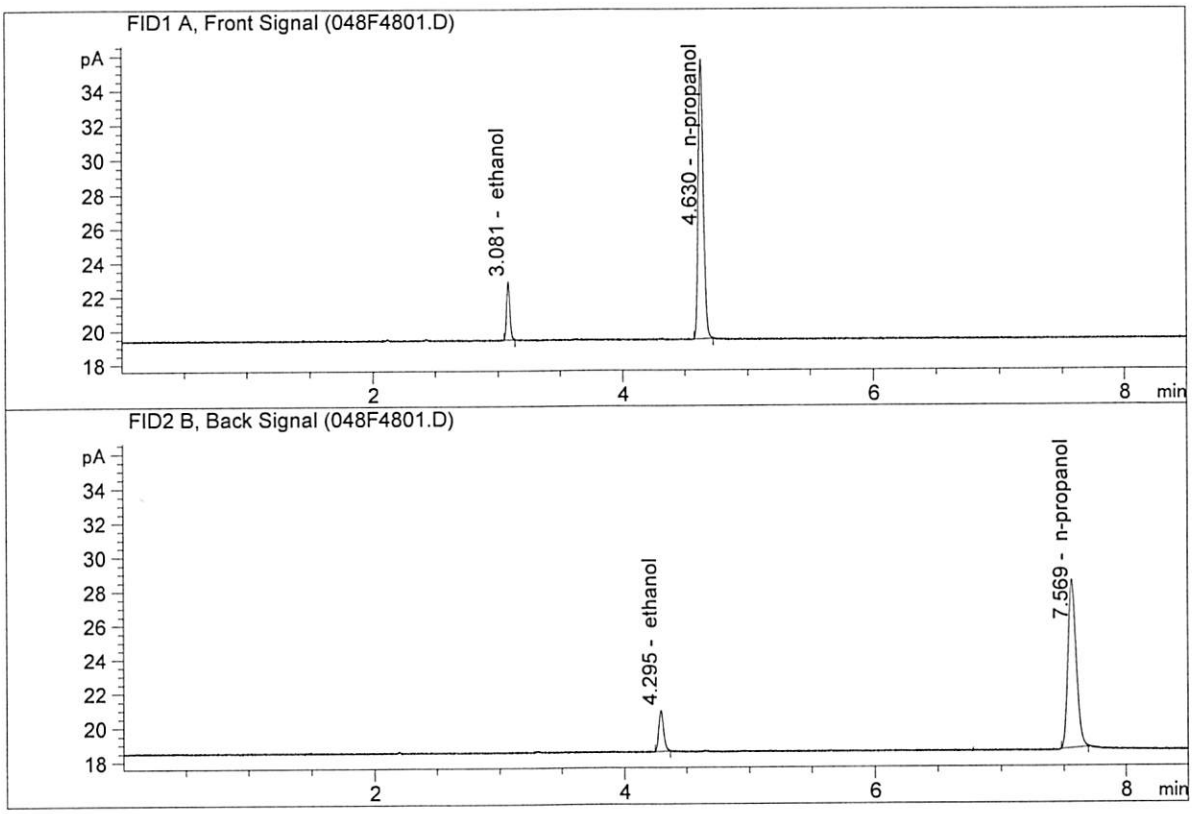
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.38499	0.0724	g/100cc
2.	Ethanol	Column 2:	6.42144	0.0732	g/100cc
3.	n-Propanol	Column 1:	46.43958	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.19506	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.30287	0.0715	g/100cc
2.	Ethanol	Column 2:	6.36857	0.0728	g/100cc
3.	n-Propanol	Column 1:	46.42270	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.04018	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 03 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1994	0.2005	0.0011	0.1999	0.0002	0.2000
(g/100cc)	0.1998	0.2005	0.0007	0.2001		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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.

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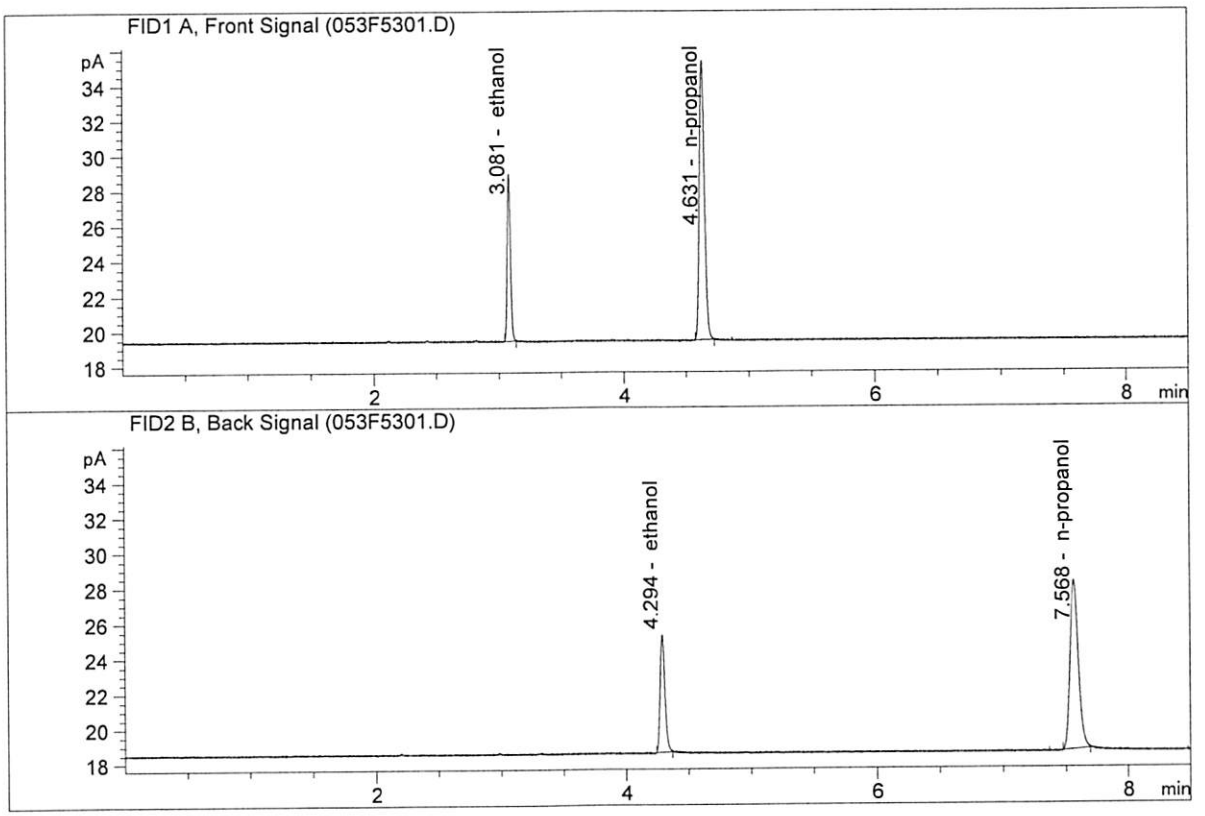
ISP Forensic Services Blood Alcohol Report

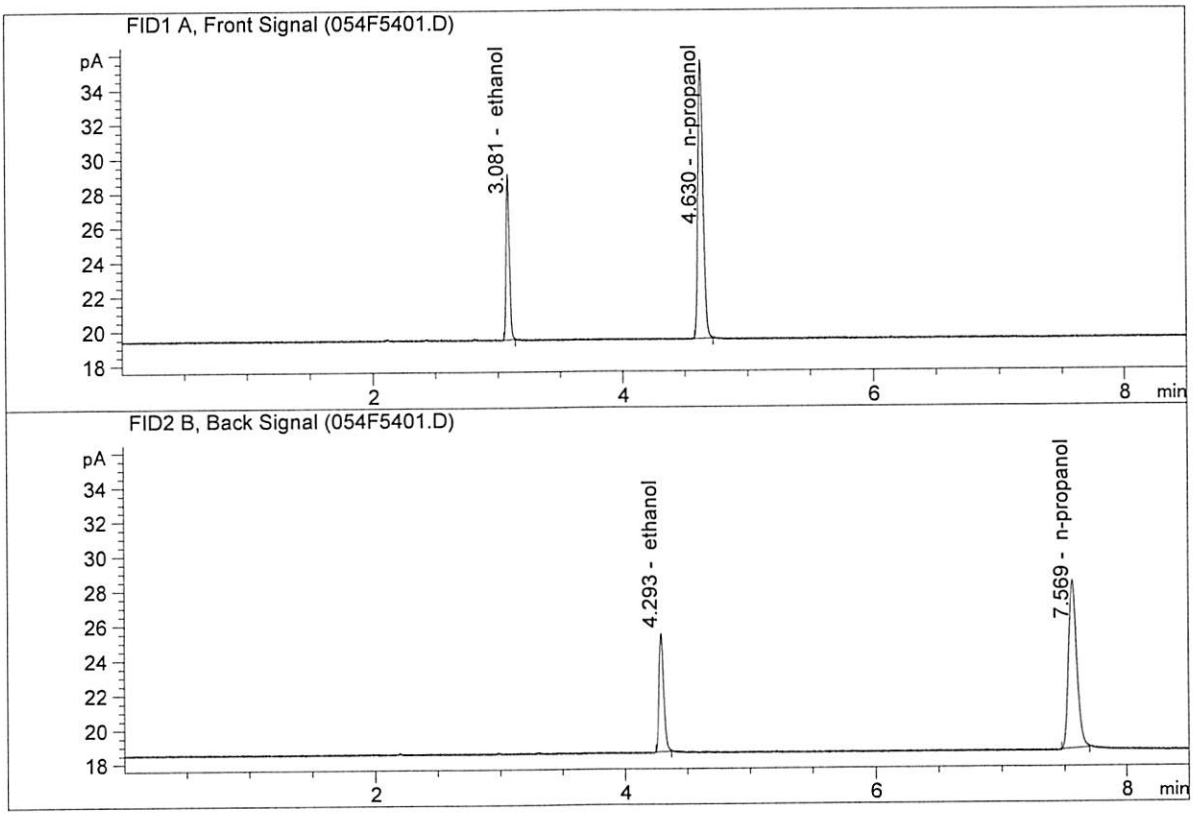
Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.30732	0.1994	g/100cc
2.	Ethanol	Column 2:	17.87611	0.2005	g/100cc
3.	n-Propanol	Column 1:	45.31766	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.82274	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

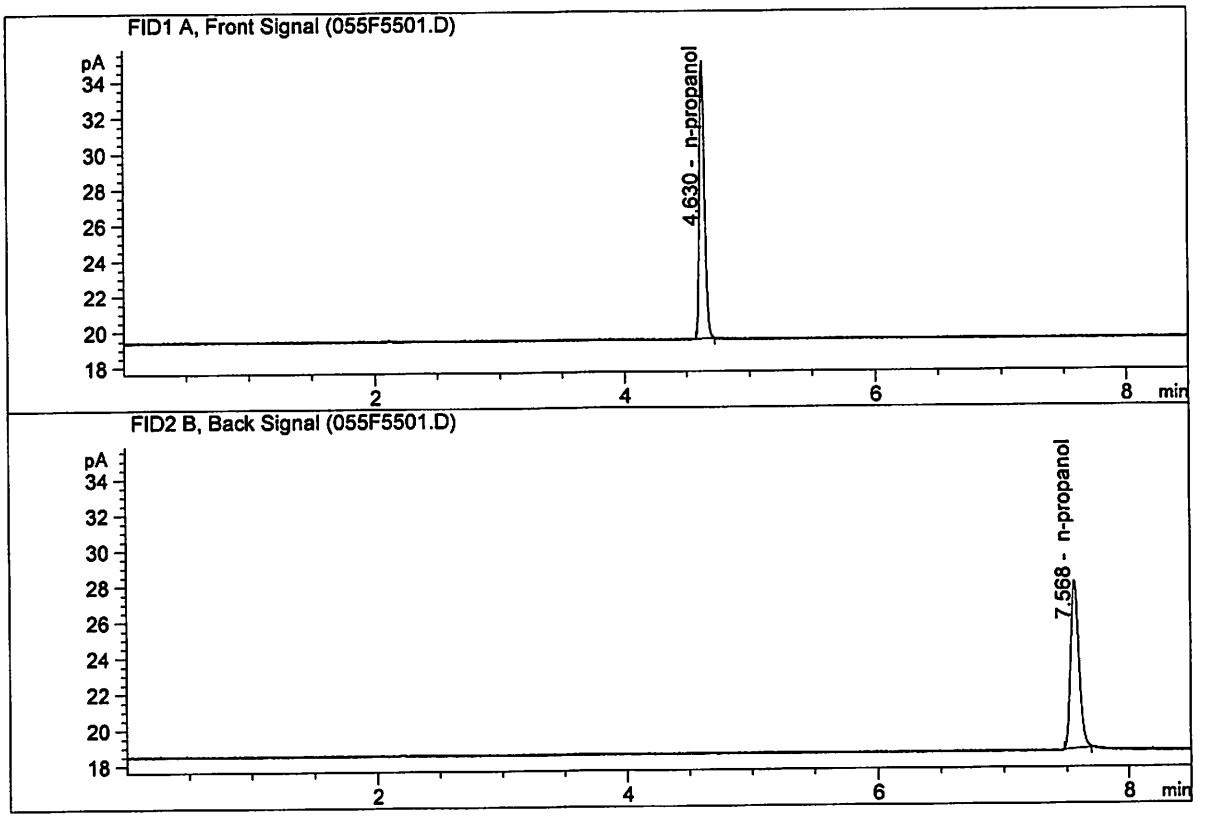
Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Dec 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.56137	0.1998	g/100cc
2.	Ethanol	Column 2:	18.16523	0.2005	g/100cc
3.	n-Propanol	Column 1:	45.87970	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.57259	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Dec 3, 2020
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:	44.25127	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.71777	1.0000	g/100cc

W

Sample Summary

Sequence table: C:\Chem32\1\Data\12-03-20_SAMPLES\12-03-20_SAMPLES 2020-12-03 10-46-22\12 03-20_SAMPLES.S
Data directory path: C:\Chem32\1\Data\12-03-20_SAMPLES\12-03-20_SAMPLES 2020-12-03 10-46-22\
Logbook: C:\Chem32\1\Data\12-03-20_SAMPLES\12-03-20_SAMPLES 2020-12-03 10-46-22\12 03-20_SAMPLES.LOG
Sequence start: 12/3/2020 11:01:04 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\12-03-20_SAMPLES\12-03-20_SAMPLES 2020-12-03 10-46-22 \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 FN007101	-	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 FN09181807-	-	1.0000	005F0501.D	4
6	6	1	0.08 FN09181807-	-	1.0000	006F0601.D	4
7	7	1	M2020-4704-2-A	-	1.0000	007F0701.D	2
8	8	1	M2020-4704-2-B	-	1.0000	008F0801.D	2
9	9	1	M2020-4705-2-A	-	1.0000	009F0901.D	2
10	10	1	M2020-4705-2-B	-	1.0000	010F1001.D	2
11	11	1	M2020-4706-2-A	-	1.0000	011F1101.D	2
12	12	1	M2020-4706-2-B	-	1.0000	012F1201.D	2
13	13	1	M2020-4707-2-A	-	1.0000	013F1301.D	2
14	14	1	M2020-4707-2-B	-	1.0000	014F1401.D	2
15	15	1	M2020-4729-1-A	-	1.0000	015F1501.D	4
16	16	1	M2020-4729-1-B	-	1.0000	016F1601.D	4
17	17	1	M2020-4730-1-A	-	1.0000	017F1701.D	2
18	18	1	M2020-4730-1-B	-	1.0000	018F1801.D	2
19	19	1	M2020-4739-1-A	-	1.0000	019F1901.D	4
20	20	1	M2020-4739-1-B	-	1.0000	020F2001.D	4
21	21	1	M2020-4740-1-A	-	1.0000	021F2101.D	4
22	22	1	M2020-4740-1-B	-	1.0000	022F2201.D	4
23	23	1	M2020-4741-1-A	-	1.0000	023F2301.D	4
24	24	1	M2020-4741-1-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	M2020-4750-1-A	-	1.0000	027F2701.D	4
28	28	1	M2020-4750-1-B	-	1.0000	028F2801.D	4
29	29	1	M2020-4758-1-A	-	1.0000	029F2901.D	4
30	30	1	M2020-4758-1-B	-	1.0000	030F3001.D	4
31	31	1	M2020-4799-1-A	-	1.0000	031F3101.D	4
32	32	1	M2020-4799-1-B	-	1.0000	032F3201.D	4
33	33	1	M2020-4821-1-A	-	1.0000	033F3301.D	4
34	34	1	M2020-4821-1-B	-	1.0000	034F3401.D	4
35	35	1	M2020-4827-1-A	-	1.0000	035F3501.D	4
36	36	1	M2020-4827-1-B	-	1.0000	036F3601.D	4
37	37	1	M2020-4828-1-A	-	1.0000	037F3701.D	4
38	38	1	M2020-4828-1-B	-	1.0000	038F3801.D	4
39	39	1	M2020-4829-1-A	-	1.0000	039F3901.D	4
40	40	1	M2020-4829-1-B	-	1.0000	040F4001.D	4
41	41	1	M2020-4830-1-A	-	1.0000	041F4101.D	2
42	42	1	M2020-4830-1-B	-	1.0000	042F4201.D	2
43	43	1	M2020-4830-2-A	-	1.0000	043F4301.D	2

Sequence File C:\Chem32\...0_SAMPLES\12-03-20_SAMPLES 2020-12-03 10-46-22\12-03-20_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
44	44	1	M2020-4830-2-B	-	1.0000	044F4401.D		2
45	45	1	M2020-4830-3-A	-	1.0000	045F4501.D		2
46	46	1	M2020-4830-3-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	M2020-4830-4-A	-	1.0000	049F4901.D		2
50	50	1	M2020-4830-4-B	-	1.0000	050F5001.D		2
51	51	1	P2020-3437-1-A	-	1.0000	051F5101.D		4
52	52	1	P2020-3437-1-B	-	1.0000	052F5201.D		4
53	53	1	QC2-2-A	-	1.0000	053F5301.D		4
54	54	1	QC2-2-B	-	1.0000	054F5401.D		4
55	55	1	INTERNAL STD BLK	-	1.0000	055F5501.D		2

Method file name: C:\Chem32\1\Data\12-03-20_SAMPLES\12-03-20_SAMPLES 2020-12-03 10-46-22 \SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
56	56	1	EMPTY	-	1.0000	056F5601.D		0