REVIEWED

By Melissa (Nikka) Bradley at 4:01 pm, Jan 23, 2020

NB

1/23/2020

Worklist: 3958

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-0097	2	BCK	Alcohol Analysis
M2020-0146	1	BCK	Alcohol Analysis
M2020-0196	1	BCK	Alcohol Analysis
M2020-0198	1	BCK	Alcohol Analysis
M2020-0206	1	BCK	Alcohol Analysis
M2020-0207	1	BCK	Alcohol Analysis
M2020-0231	1	BCK	Alcohol Analysis
M2020-0232	1	BCK	Alcohol Analysis
M2020-0244	1	BCK	Alcohol Analysis
M2020-0249	1	BCK	Alcohol Analysis
M2020-0250	1	BCK	Alcohol Analysis
M2020-0251	1	BCK	Alcohol Analysis
M2020-0260	1	BCK	Alcohol Analysis
M2020-0287	1	BCK	Alcohol Analysis
M2020-0294	1	BCK	Alcohol Analysis
M2020-0295	1	BCK	Alcohol Analysis
M2020-0296	1	BCK	Alcohol Analysis
M2020-0297	1	BCK	Alcohol Analysis
M2020-0313	1	BCK	Alcohol Analysis
M2020-0319	4	BCK	Alcohol Analysis

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): 01/22/20**

Calibration Date: 01/22/20

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0779 g/100cc
					0.0782 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1980 g/100cc
					0.1994 g/100cc
					g/100cc

Multi-Component mixture:			**Lot #**	FN06041502	OK
Curve Fit:	**Column 1**	0.99999	**Column2**	0.99999	

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0497	0.0512	0.0015	0.0504
100	0.100	0.090 - 0.110	0.1002	0.0996	0.0006	0.0999
200	0.200	0.180 - 0.220	0.1995	0.1985	0.001	0.199
300	0.300	0.270 - 0.330	0.3010	0.3003	0.0007	0.3006
400	0.400	0.360 - 0.440				
500	0.500	0.450 - 0.550	0.4996	0.5004	0.0008	0.5

Aqueous Controls

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

Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, January 22, 2020 11:20:45 AM
Signals calculated separately : No

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100cc]	Name
1	1.00000	n-propanol
2	1.00000	n-propanol

Signal Details

Signal 1: FID1 A, Front Signal
Signal 2: FID2 B, Back Signal

Overview Table

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	4.48412	1.11505e-2	No	No	1	ethanol
		2	1.00000e-1	9.12454	1.09595e-2				
		3	2.00000e-1	18.08563	1.10585e-2				
		4	3.00000e-1	26.76759	1.12076e-2				
		5	5.00000e-1	45.40028	1.10131e-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	4.57125	1.09379e-2	No	No	2	ethanol
		2	1.00000e-1	9.30518	1.07467e-2				
		3	2.00000e-1	18.81214	1.06314e-2				
		4	3.00000e-1	28.07359	1.06862e-2				
		5	5.00000e-1	48.02786	1.04106e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	43.62056	2.29250e-2	No	Yes	1	n-propanol
		2	1.00000	44.00175	2.27264e-2				
		3	1.00000	43.75810	2.28529e-2				
		4	1.00000	42.91923	2.32996e-2				
		5	1.00000	43.84007	2.28102e-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	45.07222	2.21866e-2	No	Yes	2	n-propanol
		2	1.00000	45.12385	2.21612e-2				
		3	1.00000	44.79775	2.23226e-2				
		4	1.00000	43.87843	2.27902e-2				
		5	1.00000	44.79453	2.23242e-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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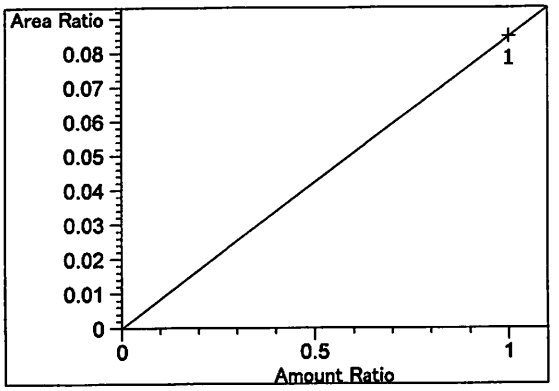
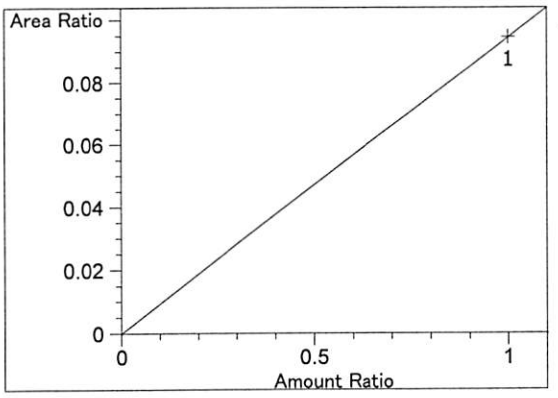
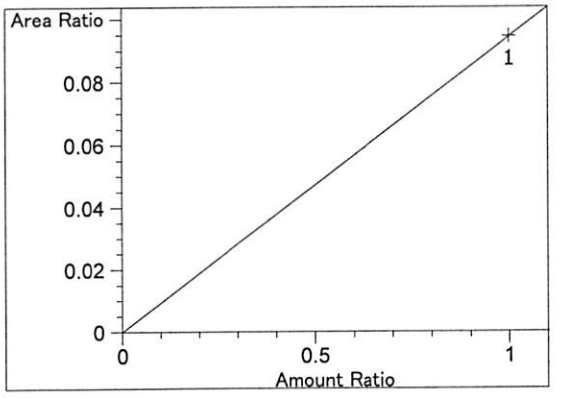


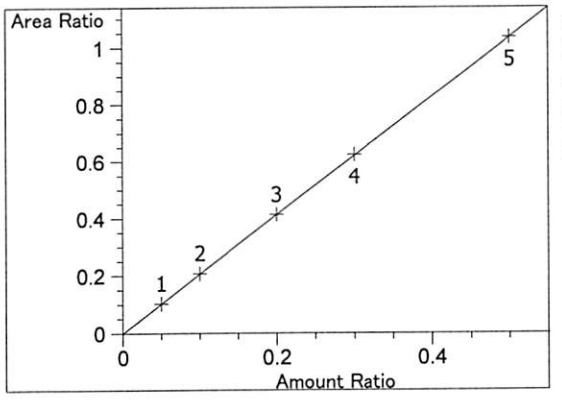
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.47466e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



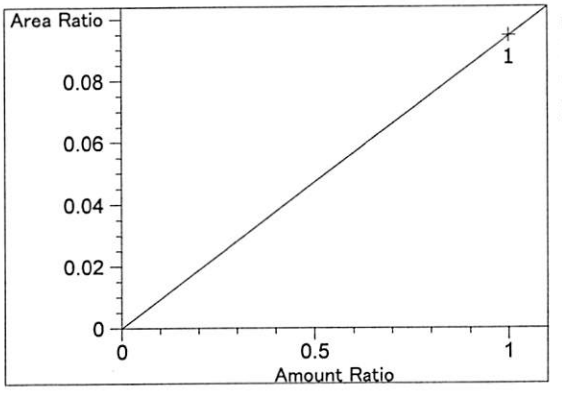
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.45372e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



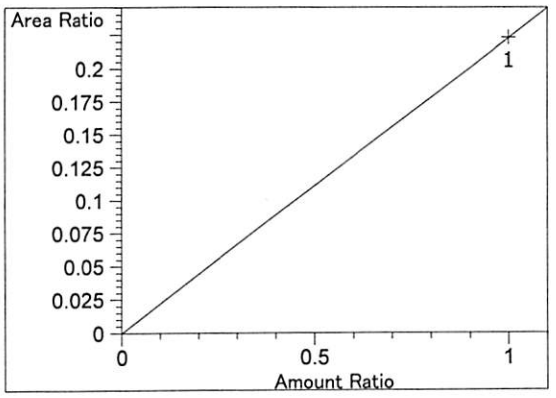
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.45372e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



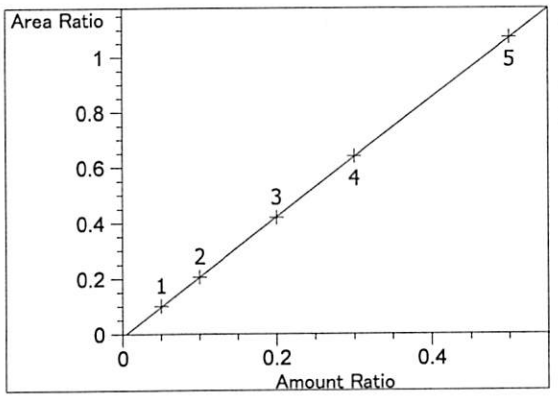
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00142
Formula: y = mx + b
m: 2.07348
b: -3.52709e-4
x: Amount Ratio
y: Area Ratio



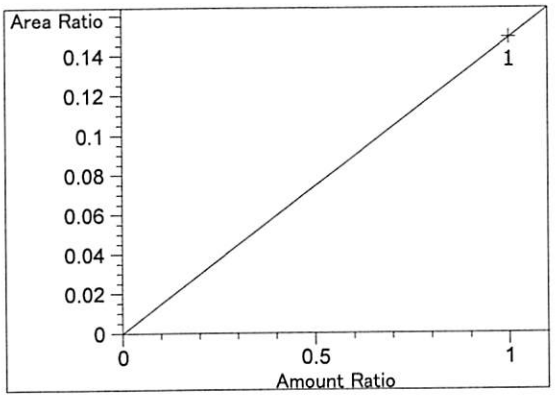
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.45289e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



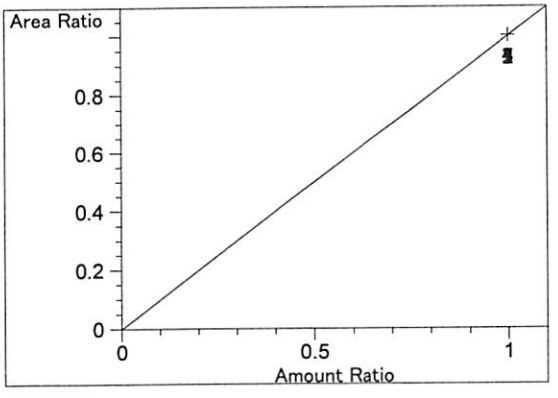
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.23073e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



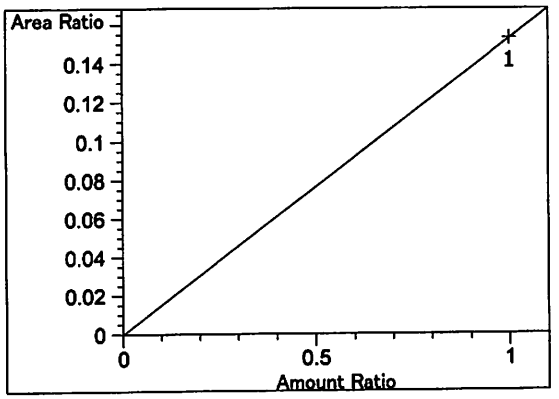
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00243
Formula: y = mx + b
m: 2.16104
b: -9.12905e-3
x: Amount Ratio
y: Area Ratio



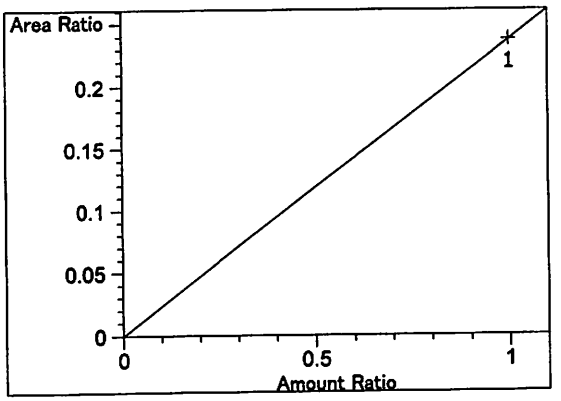
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.48999e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



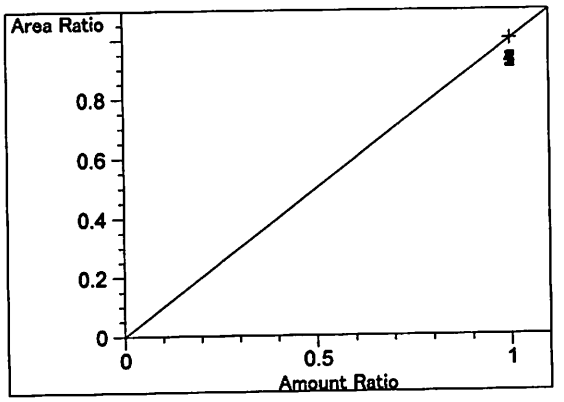
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.52933e-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: 2.37539e-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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Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, January 22, 2020 11:20:45 AM
Signals calculated separately : No

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100cc]	Name
1	1.00000	n-propanol
2	1.00000	n-propanol

Signal Details

Signal 1: FID1 A, Front Signal
Signal 2: FID2 B, Back Signal

Overview Table

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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	4.48412	1.11505e-2	No	No	1	ethanol
		2	1.00000e-1	9.12454	1.09595e-2				
		3	2.00000e-1	18.08563	1.10585e-2				
		4	3.00000e-1	26.76759	1.12076e-2				
		5	5.00000e-1	45.40028	1.10131e-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	4.57125	1.09379e-2	No	No	2	ethanol
		2	1.00000e-1	9.30518	1.07467e-2				
		3	2.00000e-1	18.81214	1.06314e-2				
		4	3.00000e-1	28.07359	1.06862e-2				
		5	5.00000e-1	48.02786	1.04106e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	43.62056	2.29250e-2	No	Yes	1	n-propanol
		2	1.00000	44.00175	2.27264e-2				
		3	1.00000	43.75810	2.28529e-2				
		4	1.00000	42.91923	2.32996e-2				
		5	1.00000	43.84007	2.28102e-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	45.07222	2.21866e-2	No	Yes	2	n-propanol
		2	1.00000	45.12385	2.21612e-2				
		3	1.00000	44.79775	2.23226e-2				
		4	1.00000	43.87843	2.27902e-2				
		5	1.00000	44.79453	2.23242e-2				

Peak Sum Table

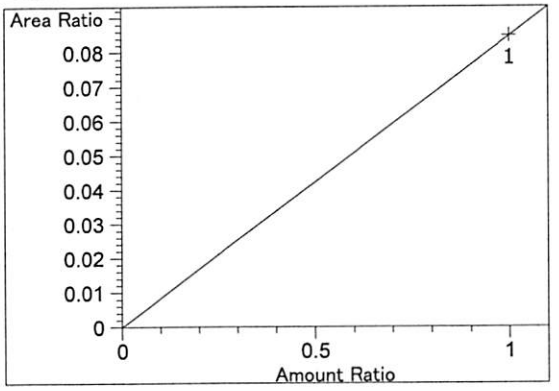
No Entries in table

---

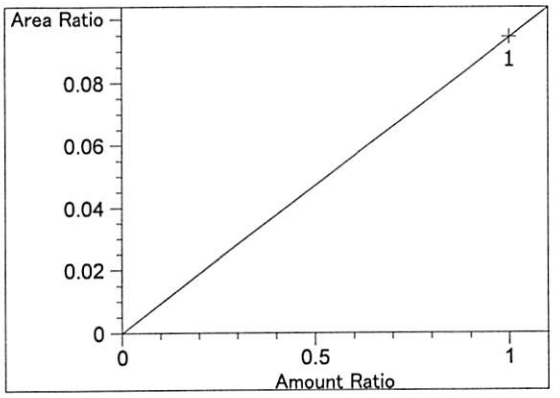
1 Warnings or Errors :

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

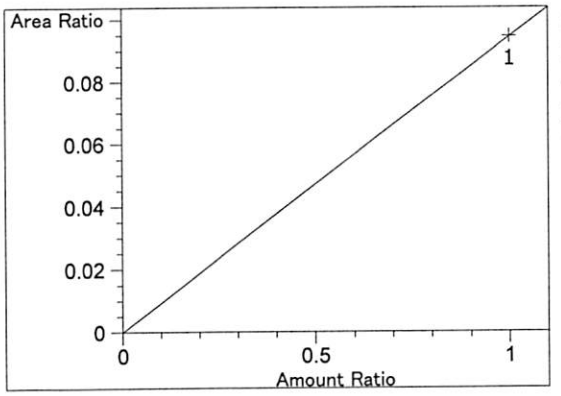
Calibration Curves



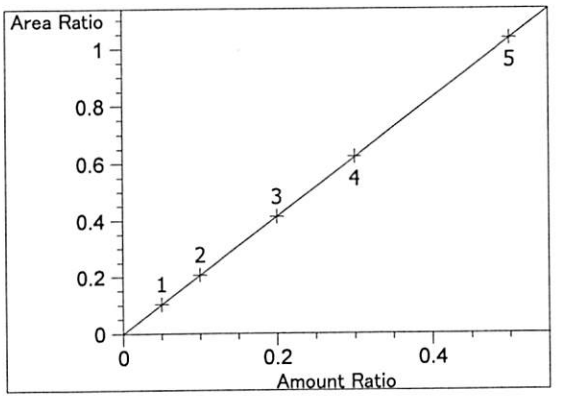
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.47466e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



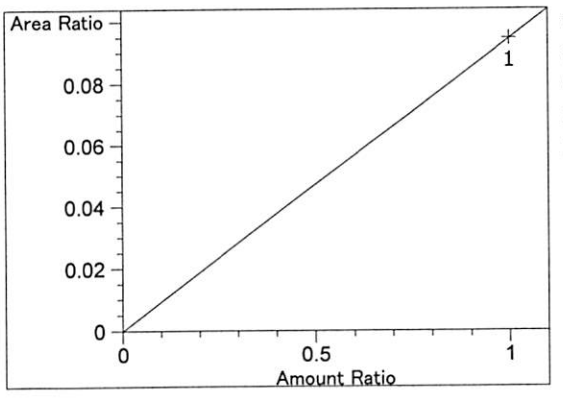
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.45372e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



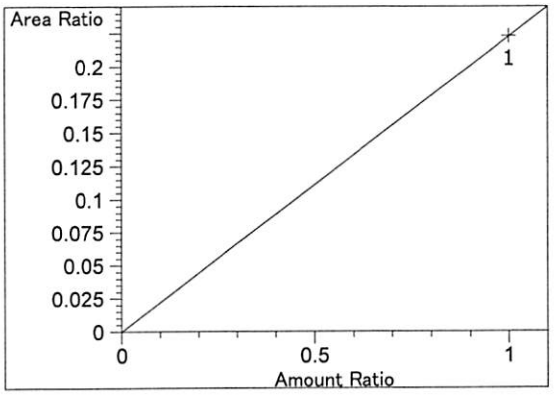
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.45372e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



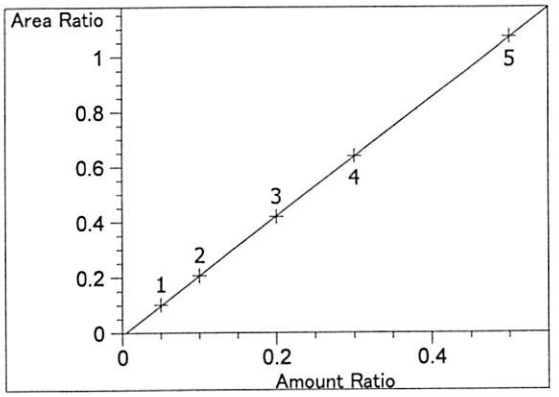
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00142
Formula: y = mx + b
m: 2.07348
b: -3.52709e-4
x: Amount Ratio
y: Area Ratio



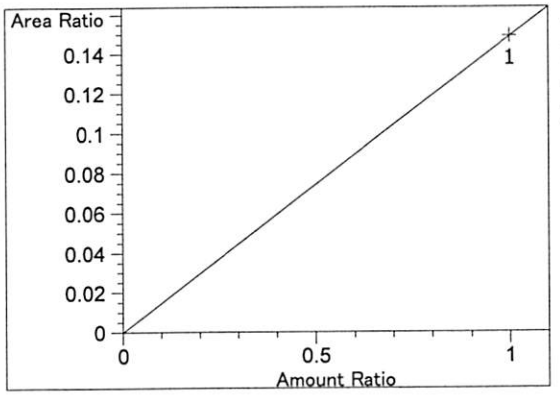
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.45289e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



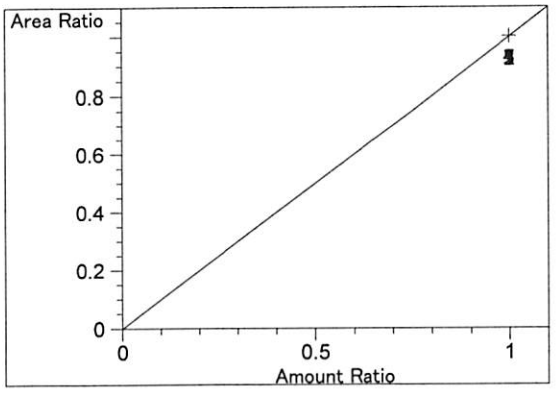
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.23073e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



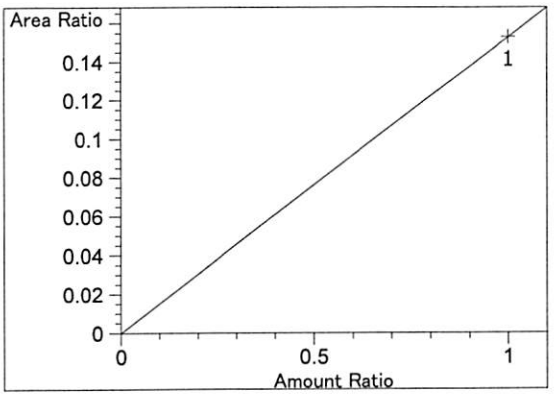
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00243
Formula: y = mx + b
m: 2.16104
b: -9.12905e-3
x: Amount Ratio
y: Area Ratio



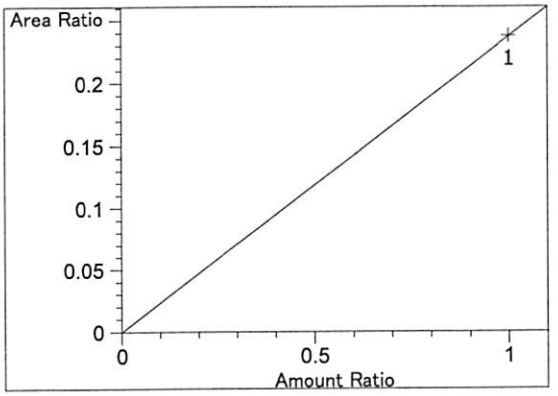
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.48999e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



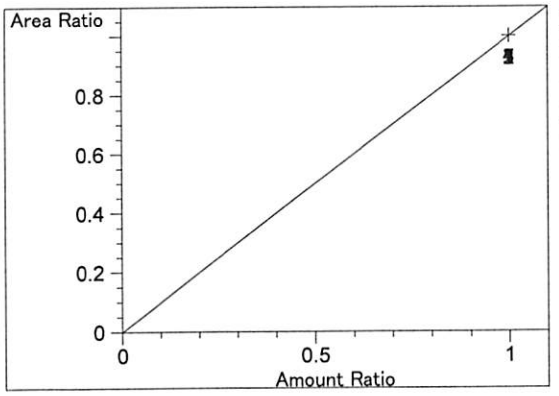
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.52933e-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: 2.37539e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

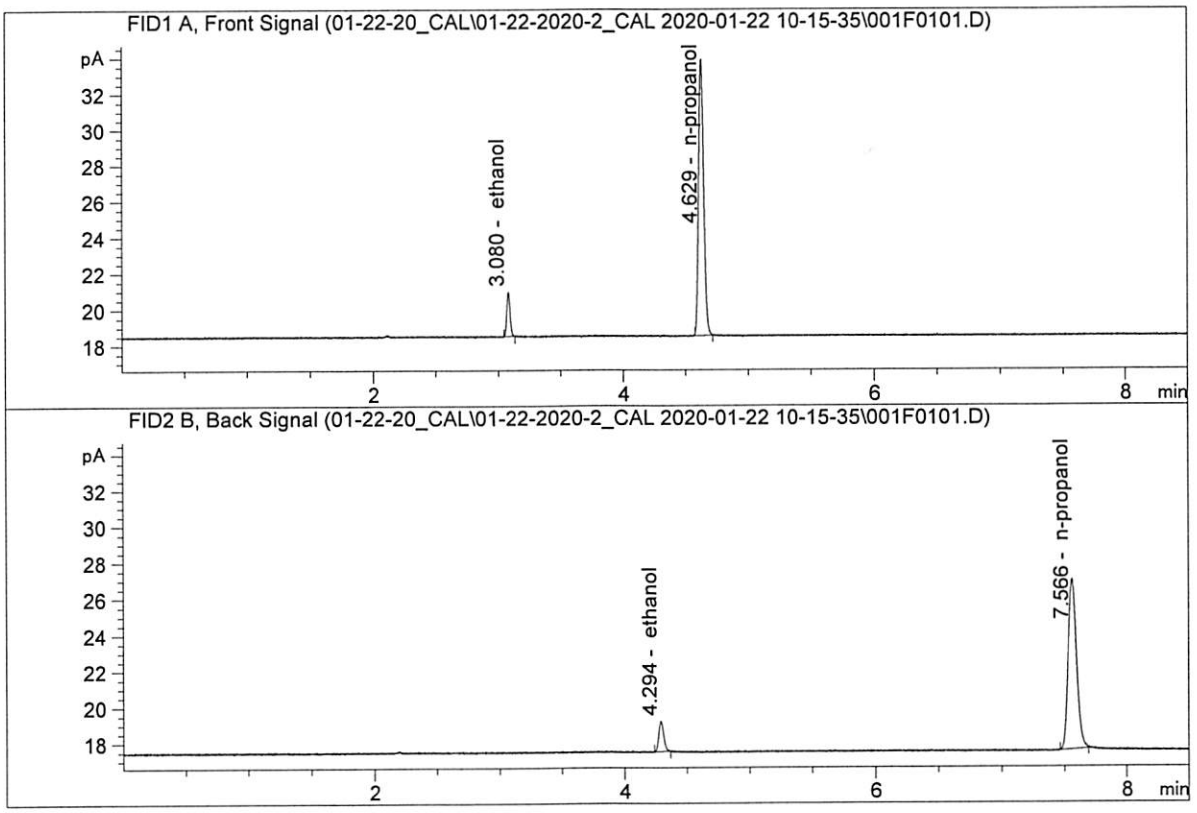


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

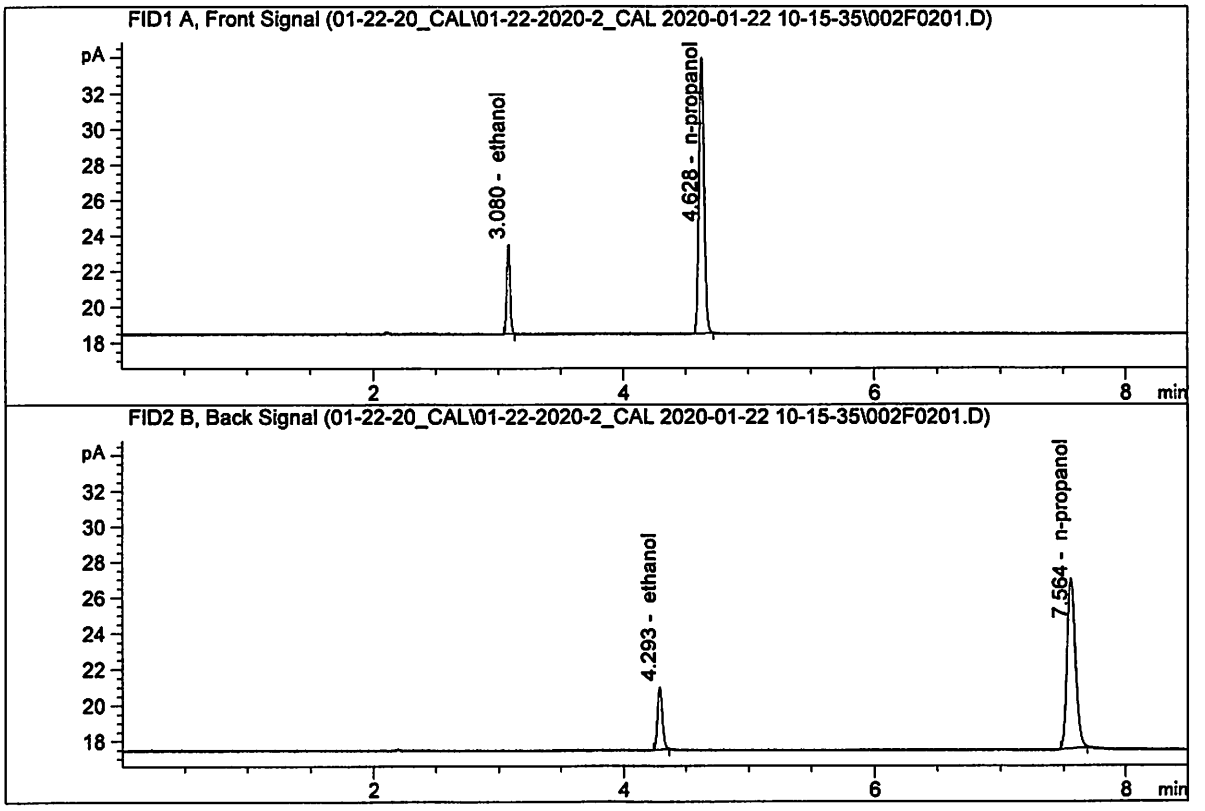
Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.48412	0.0497	g/100cc
2.	Ethanol	Column 2:	4.57125	0.0512	g/100cc
3.	n-Propanol	Column 1:	43.62056	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.07222	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

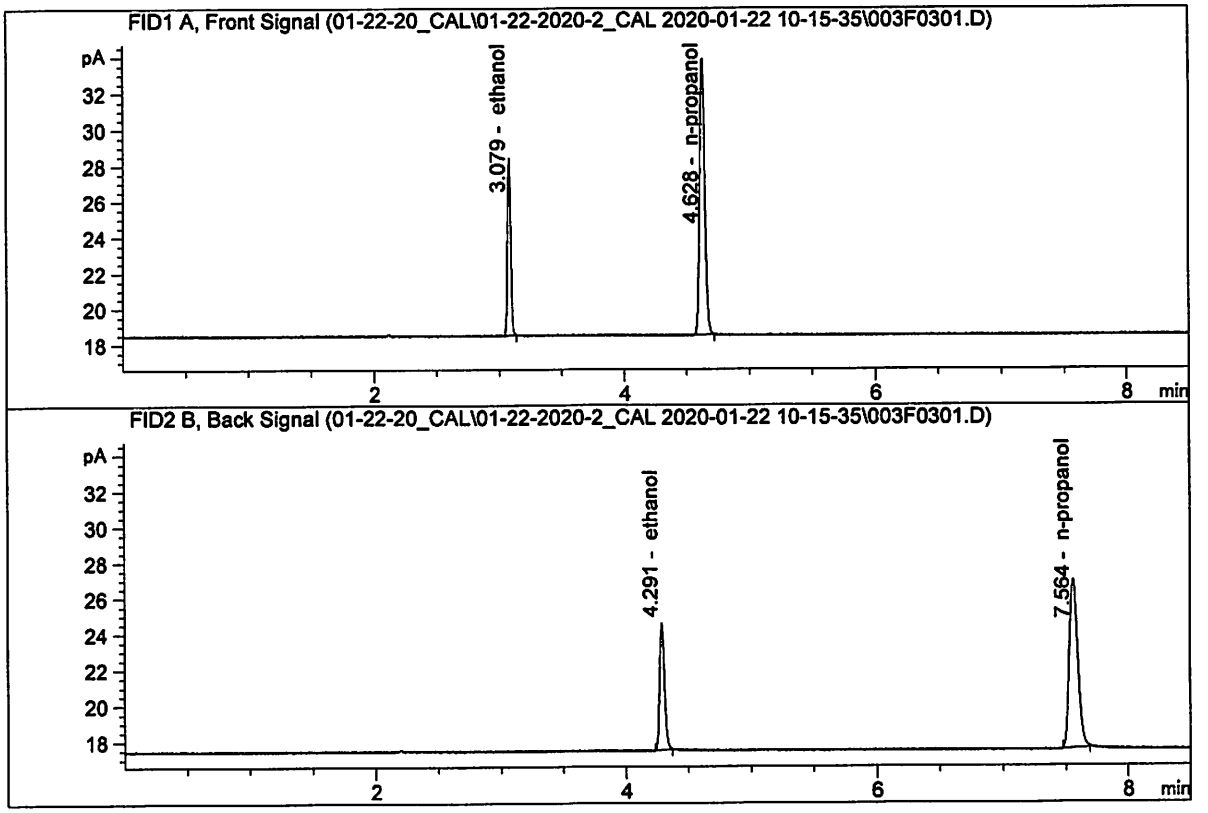
Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.12454	0.1002	g/100cc
2.	Ethanol	Column 2:	9.30518	0.0996	g/100cc
3.	n-Propanol	Column 1:	44.00175	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.12385	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

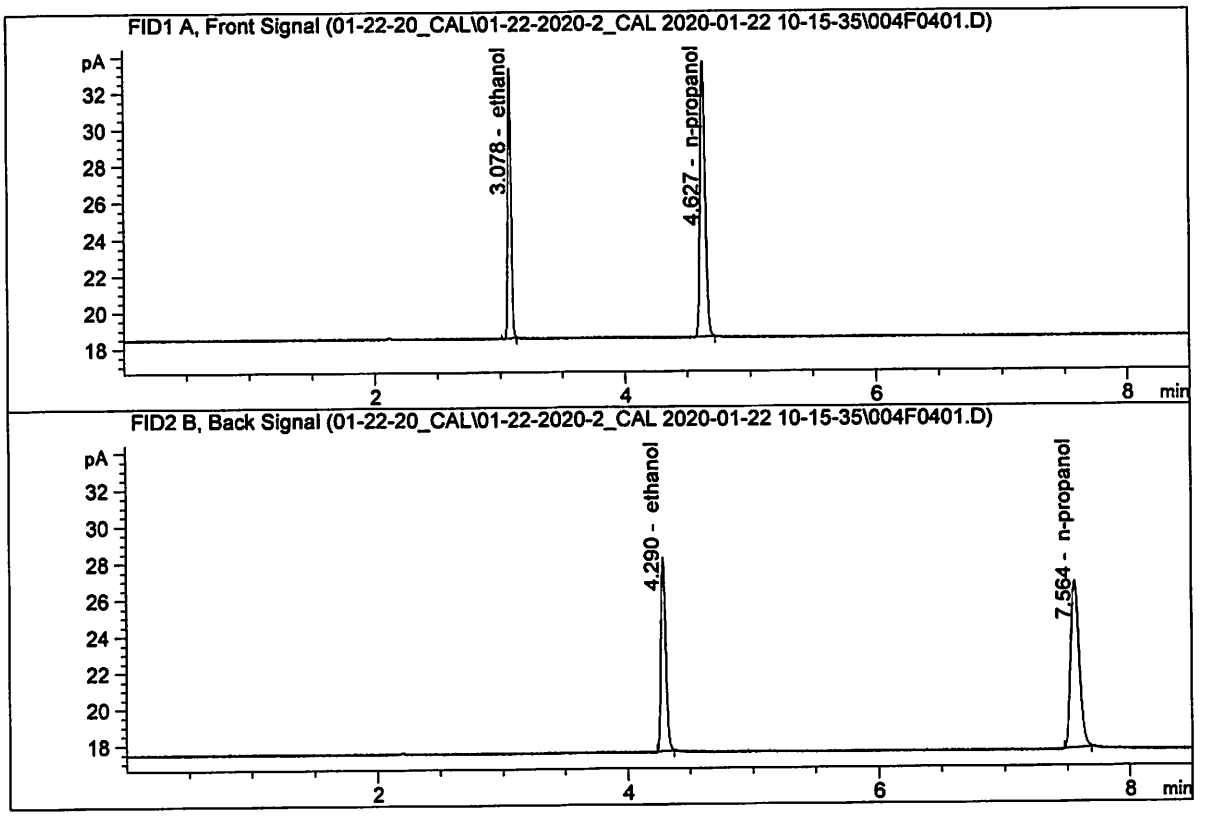


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.08563	0.1995	g/100cc
2.	Ethanol	Column 2:	18.81214	0.1985	g/100cc
3.	n-Propanol	Column 1:	43.75810	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.79775	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

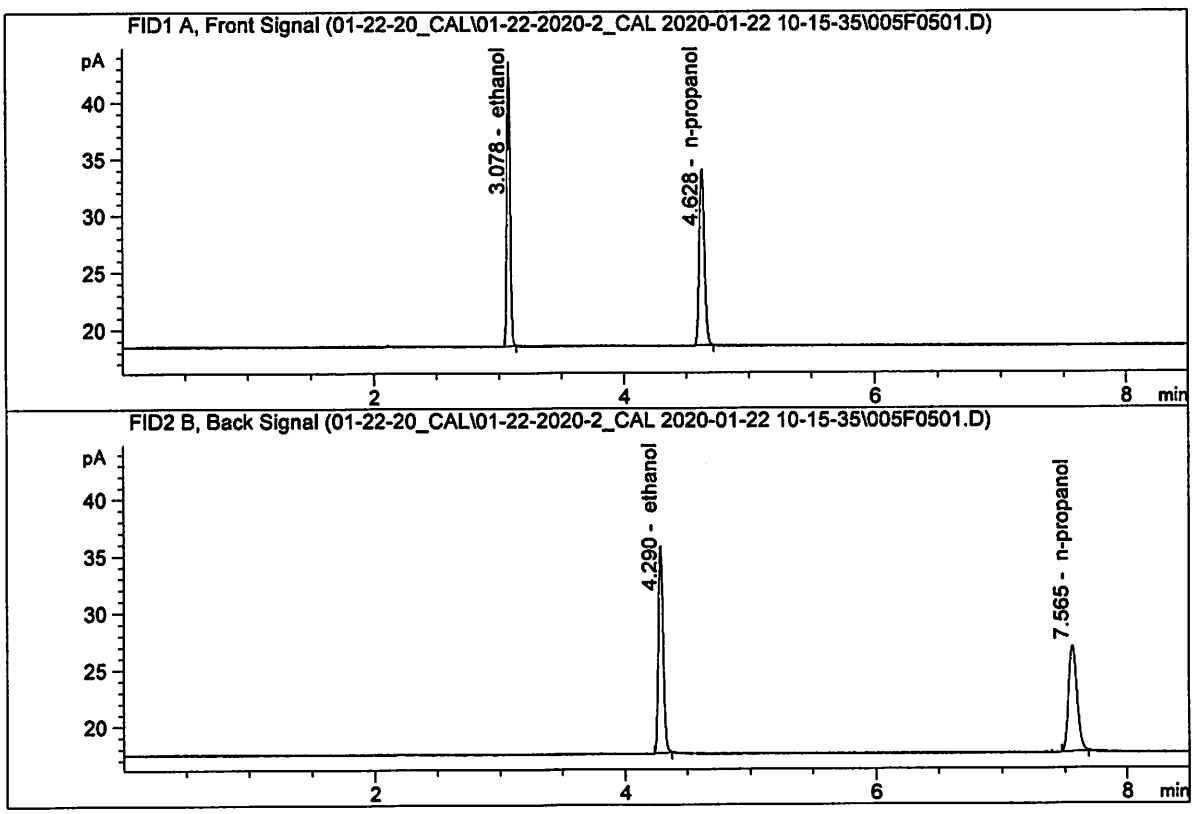


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.76759	0.3010	g/100cc
2.	Ethanol	Column 2:	28.07359	0.3003	g/100cc
3.	n-Propanol	Column 1:	42.91923	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.87843	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

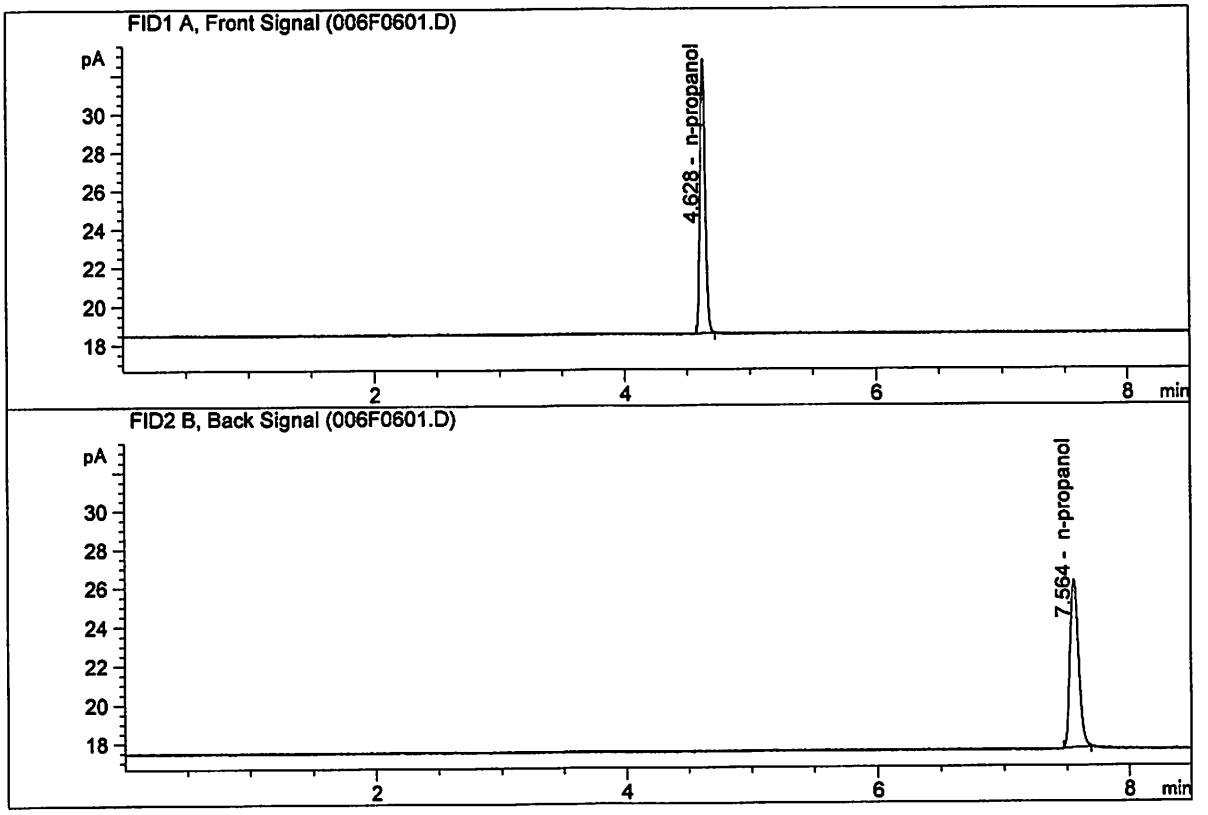


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.40028	0.4996	g/100cc
2.	Ethanol	Column 2:	48.02786	0.5004	g/100cc
3.	n-Propanol	Column 1:	43.84007	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.79453	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Jan 22, 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:	40.42060	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.28846	1.0000	g/100cc

W

Sequence File C:\Chem32\...22-20_CAL\01-22-2020-2_CAL 2020-01-22 10-15-35\01-22-2020-2_CAL.S

Sample Summary

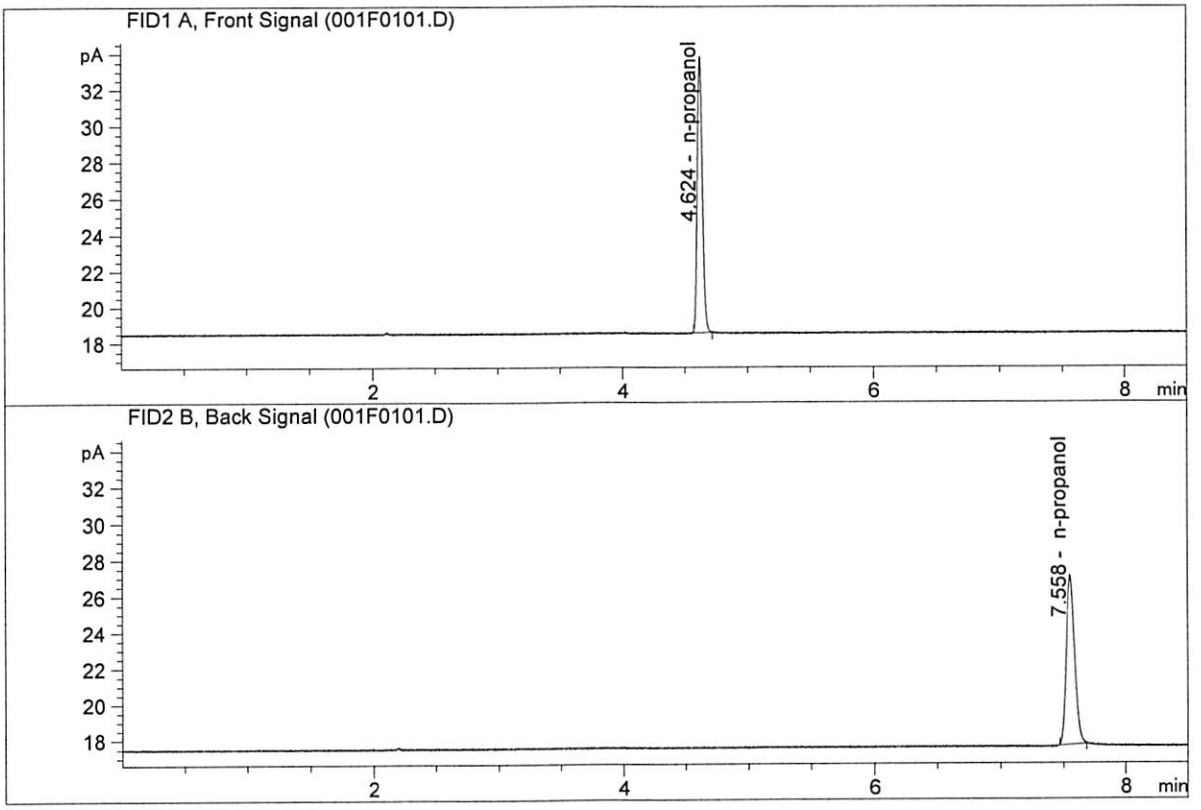
Sequence table: C:\Chem32\1\Data\01-22-20_CAL\01-22-2020-2_CAL 2020-01-22 10-15-35\01-22-2020-2_CAL.S
Data directory path: C:\Chem32\1\Data\01-22-20_CAL\01-22-2020-2_CAL 2020-01-22 10-15-35\
Logbook: C:\Chem32\1\Data\01-22-20_CAL\01-22-2020-2_CAL 2020-01-22 10-15-35\01-22-2020-2_CAL.LOG
Sequence start: 1/22/2020 10:30:13 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\01-22-20_CAL\01-22-2020-2_CAL 2020-01-22 10-15-35\ALCOHO.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

ISP Forensic Services Blood Alcohol Report

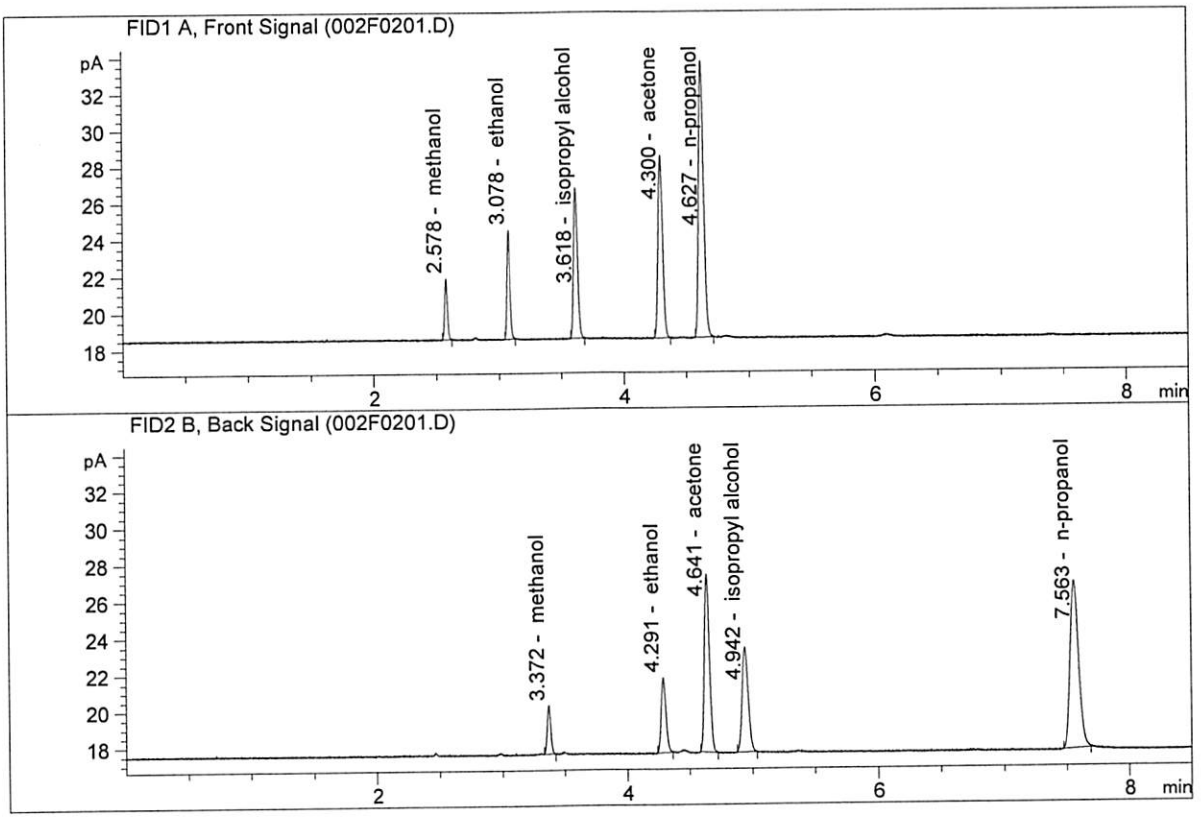
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	43.44641	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.80937	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.50951	0.1195	g/100cc
2.	Ethanol	Column 2:	10.86380	0.1197	g/100cc
3.	n-Propanol	Column 1:	42.48698	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.52460	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 22 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0778	0.0783	0.0005	0.0780	0.0001	0.0779
(g/100cc)	0.0776	0.0782	0.0006	0.0779		

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%**

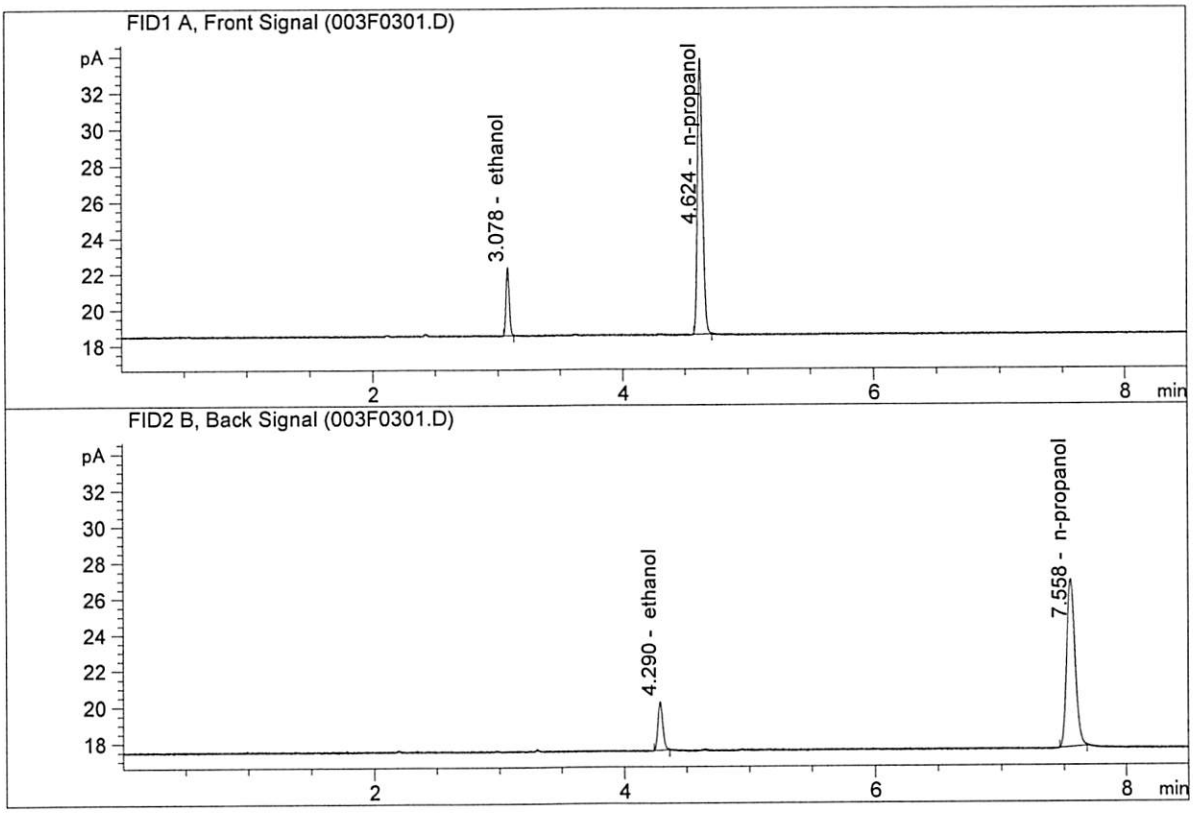
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

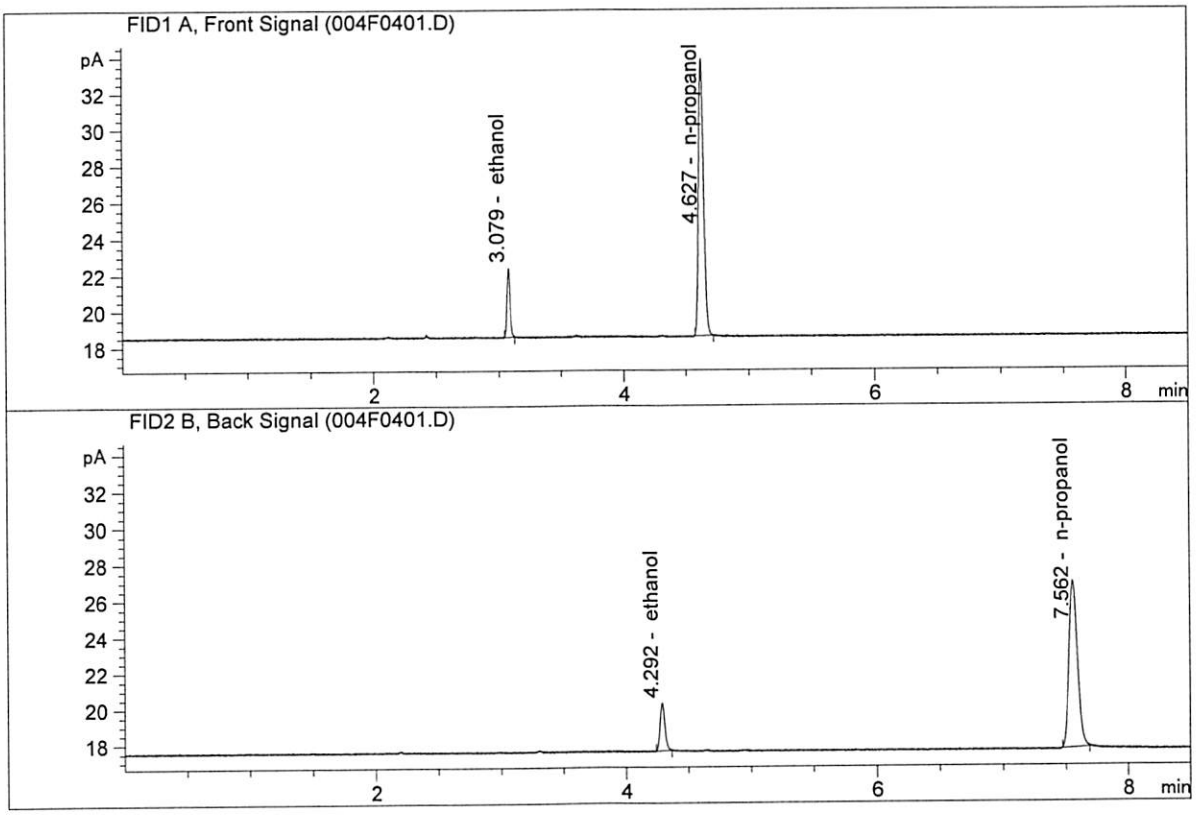
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.97009	0.0778	g/100cc
2.	Ethanol	Column 2:	7.11063	0.0783	g/100cc
3.	n-Propanol	Column 1:	43.30774	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.39447	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.95354	0.0776	g/100cc
2.	Ethanol	Column 2:	7.09963	0.0782	g/100cc
3.	n-Propanol	Column 1:	43.30280	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.39315	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 22 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0797	0.0805	0.0008	0.0801	0.0002	0.0800
(g/100cc)	0.0796	0.0802	0.0006	0.0799		

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%**

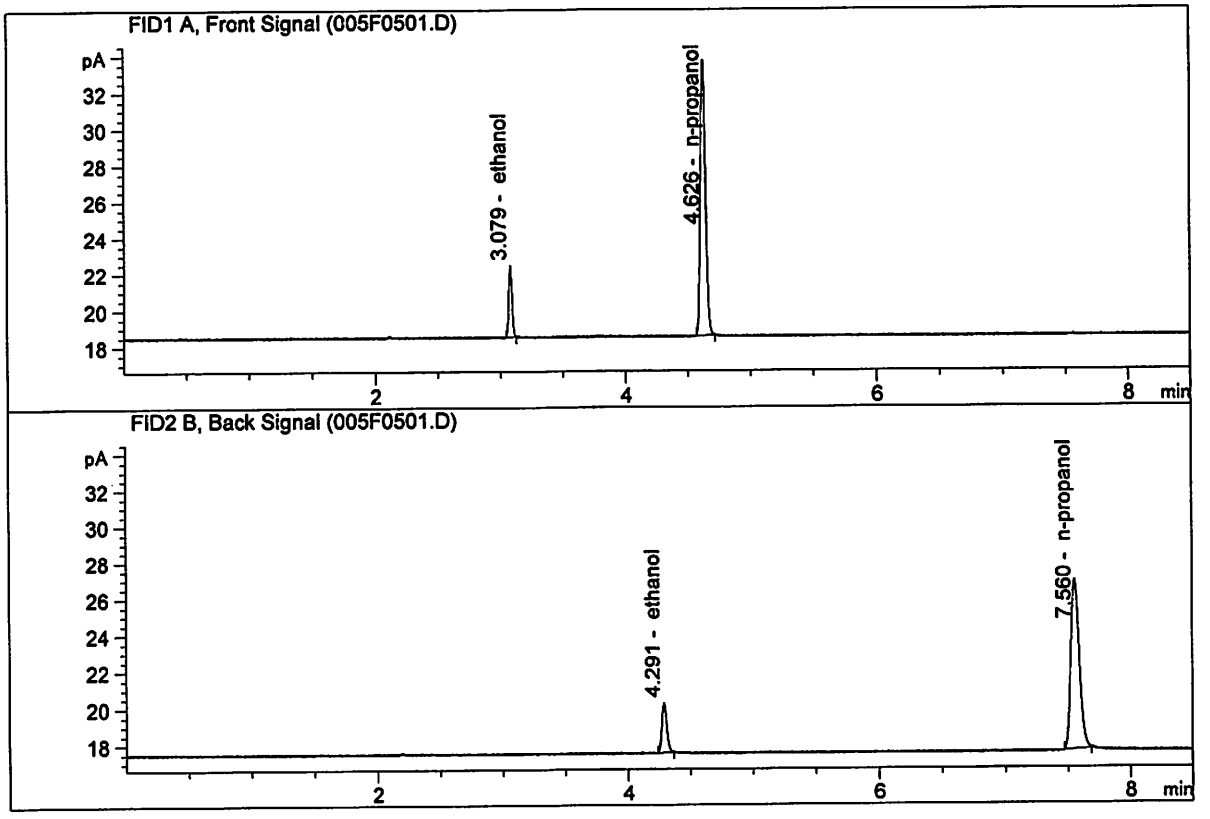
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

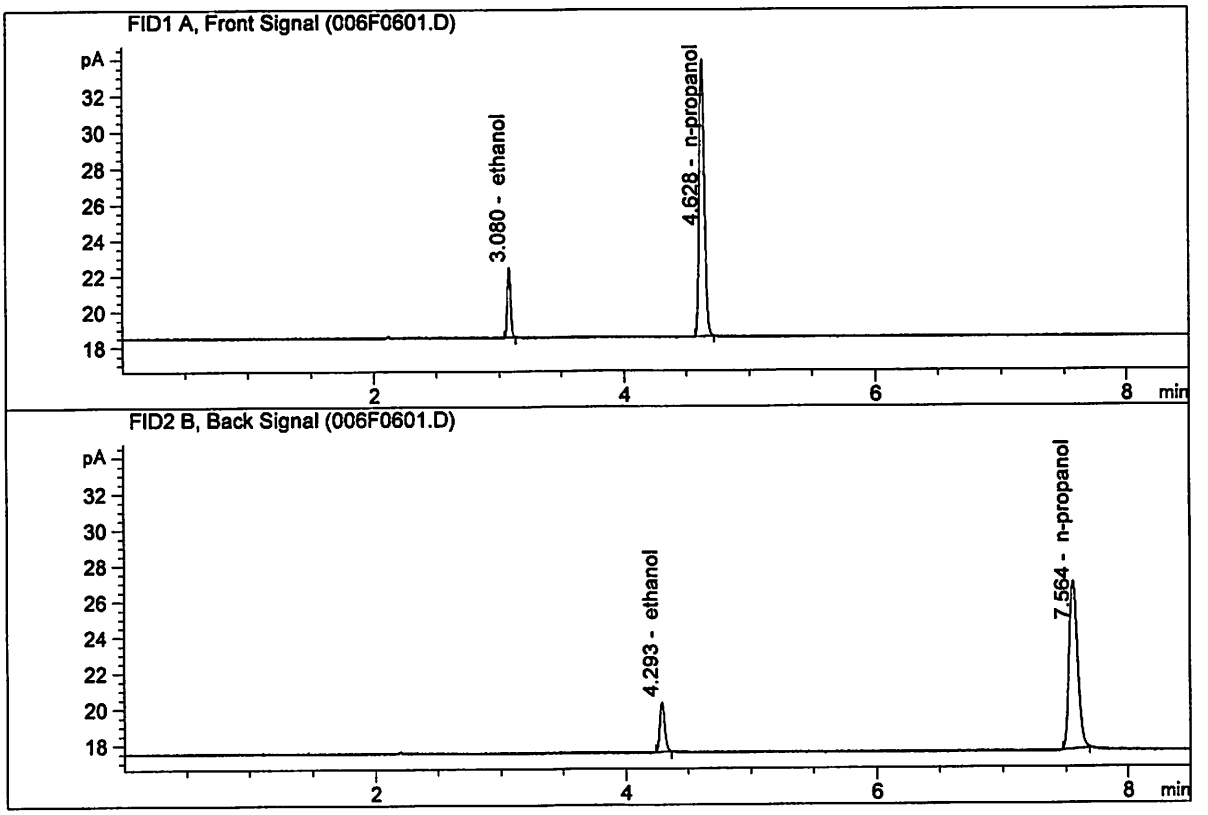
Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.10784	0.0797	g/100cc
2.	Ethanol	Column 2:	7.25897	0.0805	g/100cc
3.	n-Propanol	Column 1:	43.09969	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.06060	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.18470	0.0796	g/100cc
2.	Ethanol	Column 2:	7.35053	0.0802	g/100cc
3.	n-Propanol	Column 1:	43.63431	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.74022	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 22 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1986	0.1977	0.0009	0.1981	0.0001	0.1980
(g/100cc)	0.1984	0.1976	0.0008	0.1980		

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%**

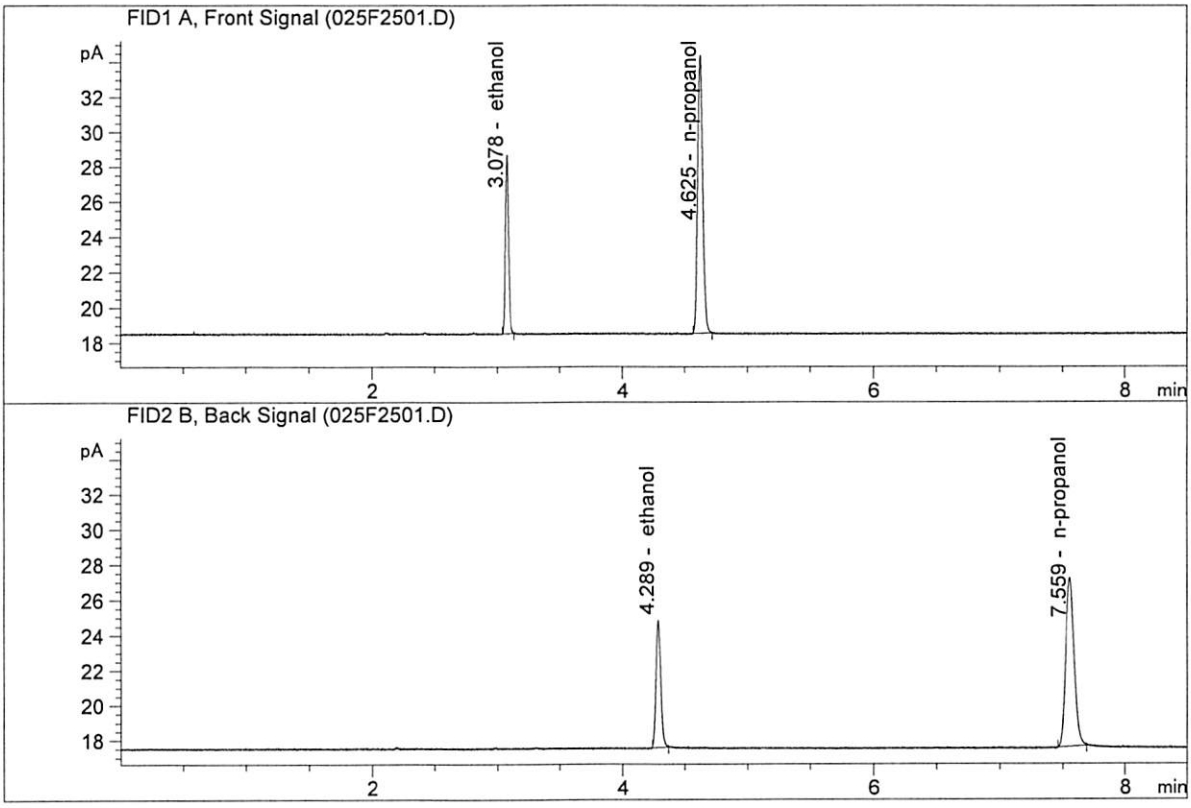
Overall Mean (g/100cc)	Low	High	5% of Mean
0.198	0.188	0.208	0.010

Reported Result
0.198

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

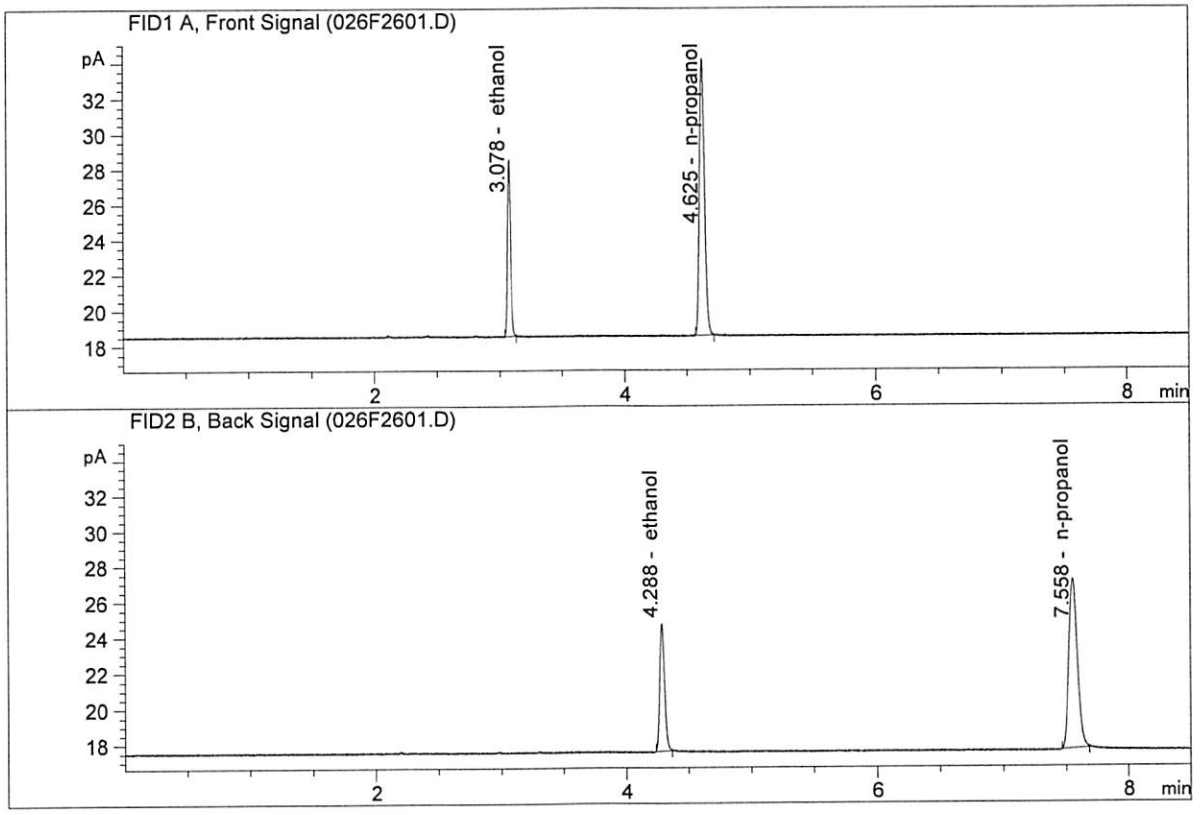
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.47246	0.1986	g/100cc
2.	Ethanol	Column 2:	19.28398	0.1977	g/100cc
3.	n-Propanol	Column 1:	44.90323	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.11525	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.21099	0.1984	g/100cc
2.	Ethanol	Column 2:	18.95894	0.1976	g/100cc
3.	n-Propanol	Column 1:	44.30216	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.37140	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 22 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0780	0.0791	0.0011	0.0785	0.0007	0.0782
(g/100cc)	0.0775	0.0782	0.0007	0.0778		

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%**

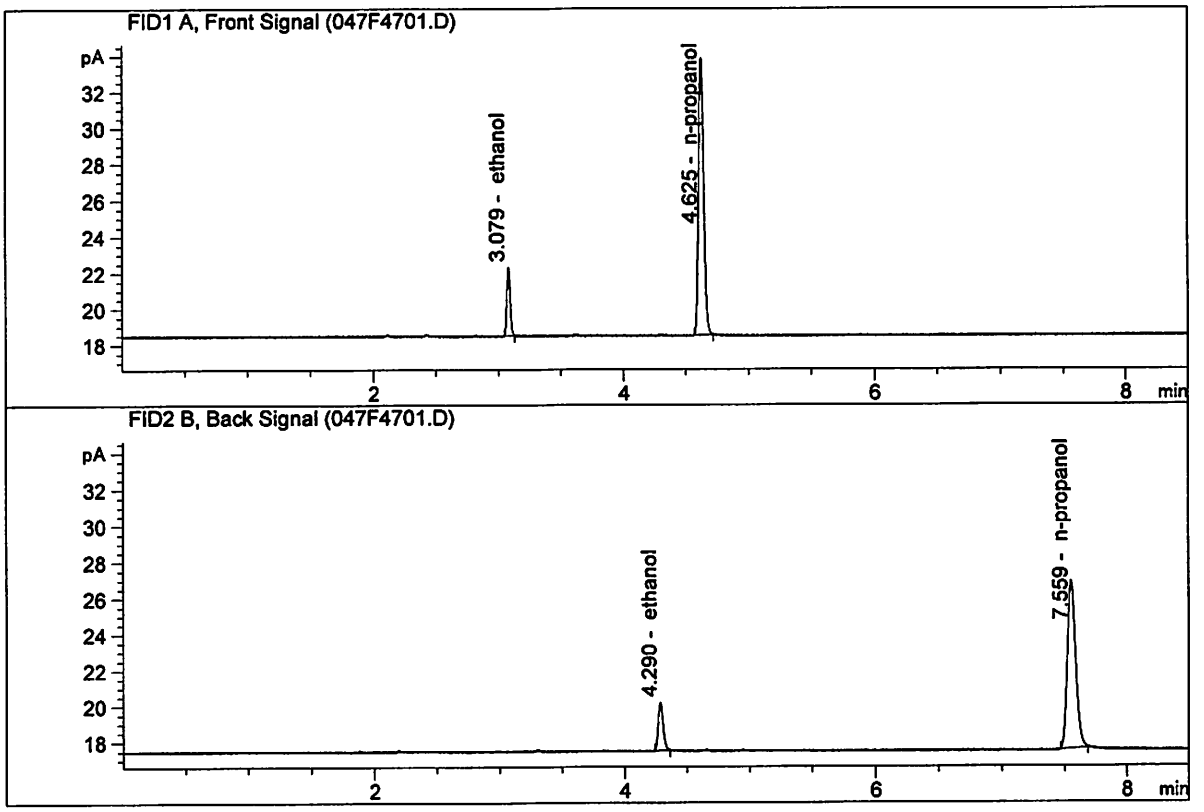
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

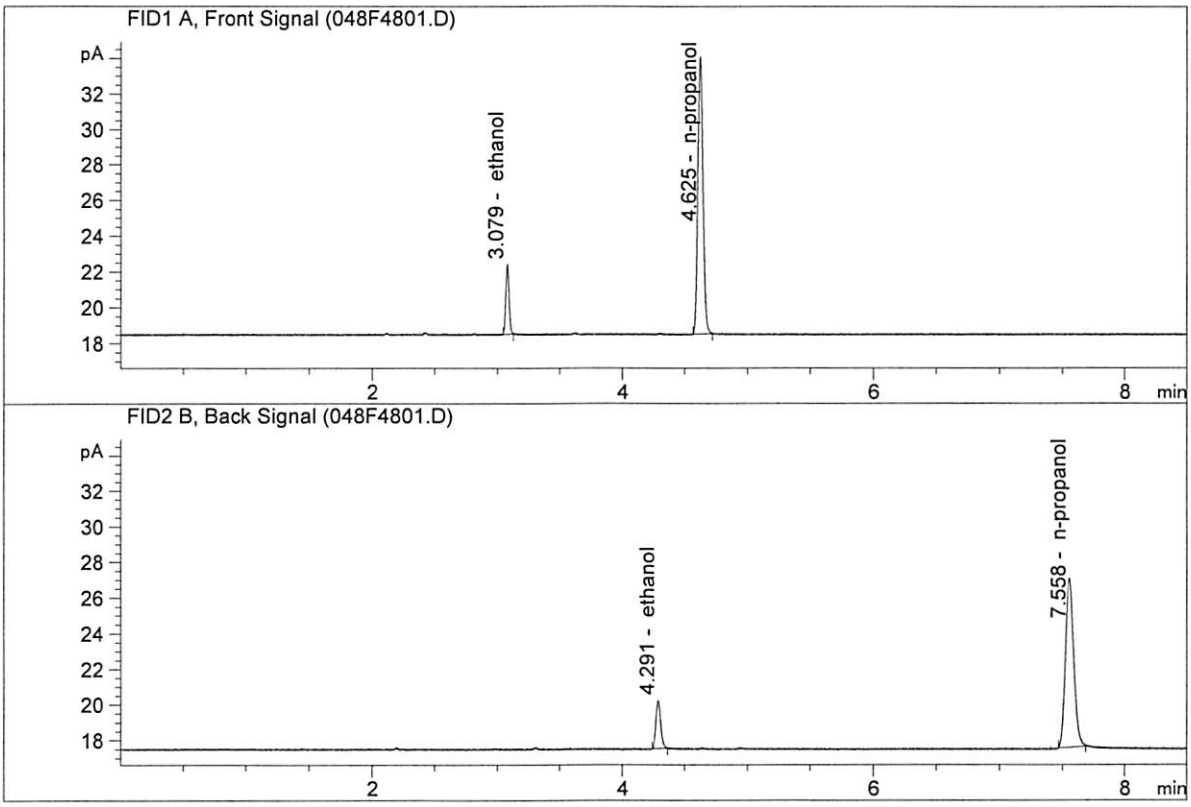
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.01657	0.0780	g/100cc
2.	Ethanol	Column 2:	7.20316	0.0791	g/100cc
3.	n-Propanol	Column 1:	43.45693	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.53825	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.09247	0.0775	g/100cc
2.	Ethanol	Column 2:	7.23519	0.0782	g/100cc
3.	n-Propanol	Column 1:	44.24343	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.28321	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 22 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1997	0.1986	0.0011	0.1991	0.0007	0.1994
(g/100cc)	0.1999	0.1997	0.0002	0.1998		

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%**

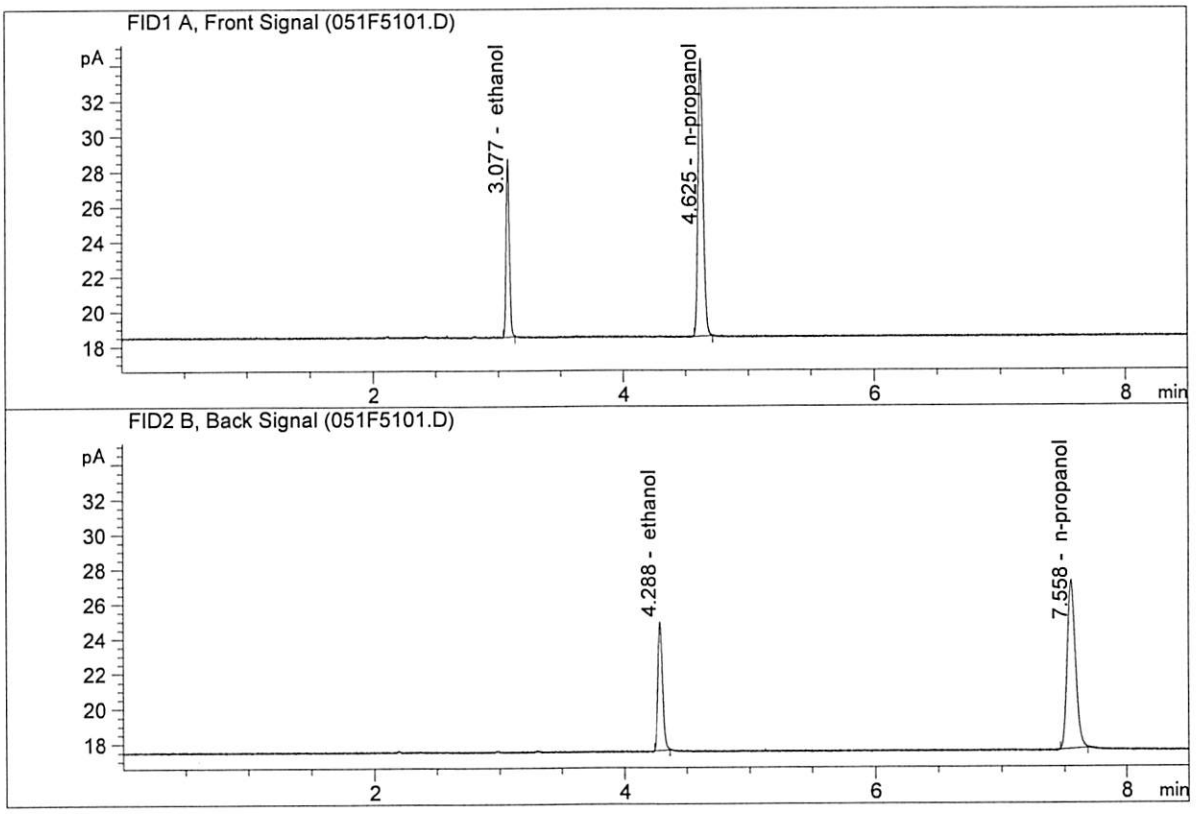
Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	0.189	0.209	0.010

	Reported Result	
	0.199	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

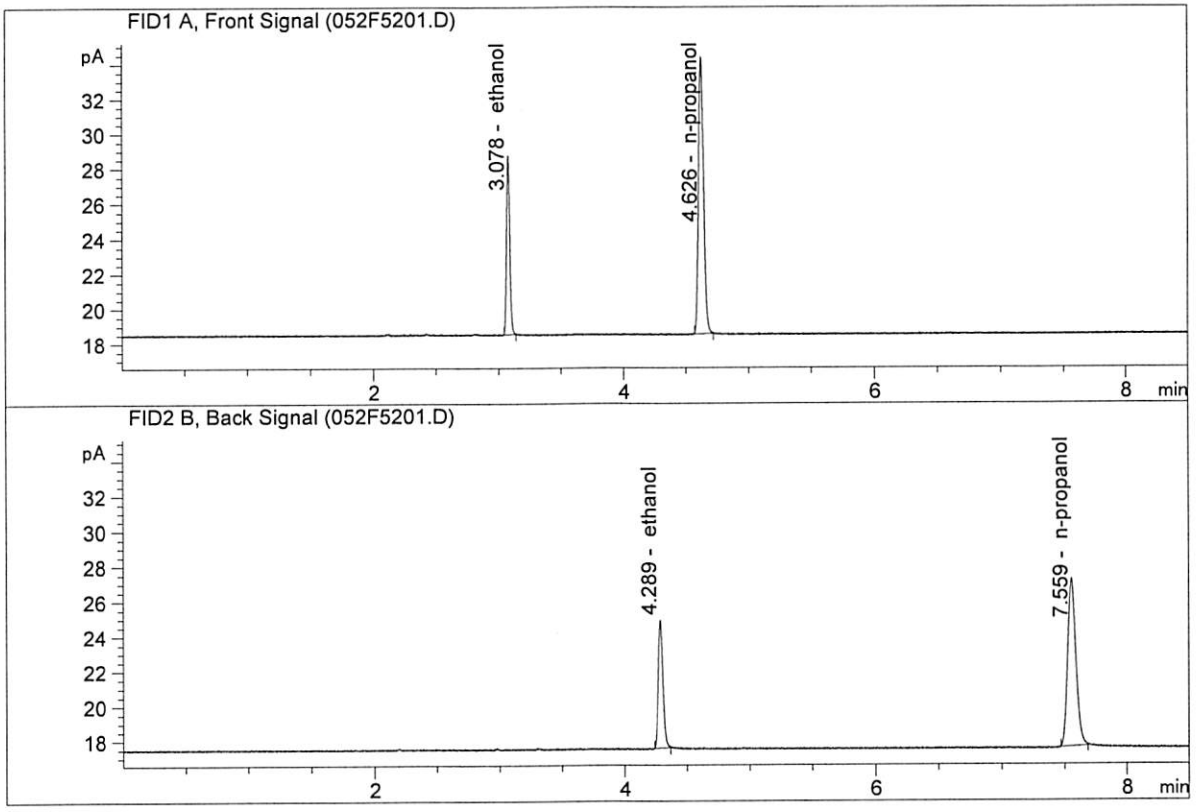
Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.56434	0.1997	g/100cc
2.	Ethanol	Column 2:	19.34925	0.1986	g/100cc
3.	n-Propanol	Column 1:	44.86106	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.06443	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

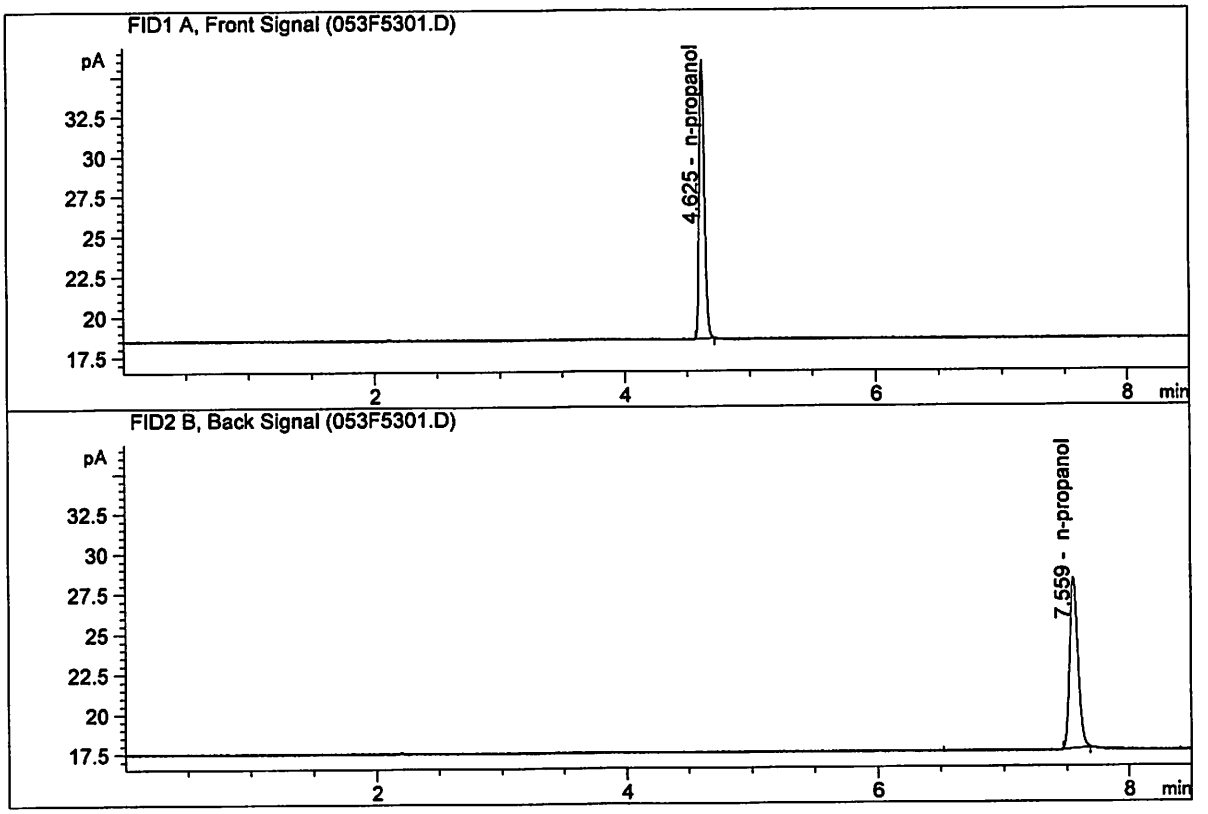
Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Jan 22, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.59737	0.1999	g/100cc
2.	Ethanol	Column 2:	19.43180	0.1997	g/100cc
3.	n-Propanol	Column 1:	44.91436	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.00115	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jan 22, 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:	49.45113	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.81841	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\Data\01-22-20_SAMPLES\01-22-20_SAMPLES 2020-01-22 11-53-37\01 22-20_SAMPLES.S
Data directory path: C:\Chem32\1\Data\01-22-20_SAMPLES\01-22-20_SAMPLES 2020-01-22 11-53-37\
Logbook: C:\Chem32\1\Data\01-22-20_SAMPLES\01-22-20_SAMPLES 2020-01-22 11-53-37\01 22-20_SAMPLES.LOG
Sequence start: 1/22/2020 12:08:25 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\01-22-20_SAMPLES\01-22-20_SAMPLES 2020-01-22 11-53-37 \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	M2020-0097-2-A	-	1.0000	007F0701.D		2
8	8	1	M2020-0097-2-B	-	1.0000	008F0801.D		2
9	9	1	M2020-0146-1-A	-	1.0000	009F0901.D		2
10	10	1	M2020-0146-1-B	-	1.0000	010F1001.D		2
11	11	1	M2020-0196-1-A	-	1.0000	011F1101.D		4
12	12	1	M2020-0196-1-B	-	1.0000	012F1201.D		4
13	13	1	M2020-0198-1-A	-	1.0000	013F1301.D		2
14	14	1	M2020-0198-1-B	-	1.0000	014F1401.D		2
15	15	1	M2020-0206-1-A	-	1.0000	015F1501.D		2
16	16	1	M2020-0206-1-B	-	1.0000	016F1601.D		2
17	17	1	M2020-0207-1-A	-	1.0000	017F1701.D		4
18	18	1	M2020-0207-1-B	-	1.0000	018F1801.D		4
19	19	1	M2020-0231-1-A	-	1.0000	019F1901.D		4
20	20	1	M2020-0231-1-B	-	1.0000	020F2001.D		4
21	21	1	M2020-0232-1-A	-	1.0000	021F2101.D		4
22	22	1	M2020-0232-1-B	-	1.0000	022F2201.D		4
23	23	1	M2020-0244-1-A	-	1.0000	023F2301.D		4
24	24	1	M2020-0244-1-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	M2020-0249-1-A	-	1.0000	027F2701.D		2
28	28	1	M2020-0249-1-B	-	1.0000	028F2801.D		2
29	29	1	M2020-0250-1-A	-	1.0000	029F2901.D		4
30	30	1	M2020-0250-1-B	-	1.0000	030F3001.D		4
31	31	1	M2020-0251-1-A	-	1.0000	031F3101.D		4
32	32	1	M2020-0251-1-B	-	1.0000	032F3201.D		4
33	33	1	M2020-0260-1-A	-	1.0000	033F3301.D		2
34	34	1	M2020-0260-1-B	-	1.0000	034F3401.D		2
35	35	1	M2020-0287-1-A	-	1.0000	035F3501.D		4
36	36	1	M2020-0287-1-B	-	1.0000	036F3601.D		4
37	37	1	M2020-0294-1-A	-	1.0000	037F3701.D		4
38	38	1	M2020-0294-1-B	-	1.0000	038F3801.D		4
39	39	1	M2020-0295-1-A	-	1.0000	039F3901.D		4
40	40	1	M2020-0295-1-B	-	1.0000	040F4001.D		4
41	41	1	M2020-0296-1-A	-	1.0000	041F4101.D		4
42	42	1	M2020-0296-1-B	-	1.0000	042F4201.D		4
43	43	1	M2020-0297-1-A	-	1.0000	043F4301.D		2

Sequence File C:\Chem32\...0_SAMPLES\01-22-20_SAMPLES 2020-01-22 11-53-37\01-22-20_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	M2020-0297-1-B	-	1.0000	044F4401.D	2
45	45	1	M2020-0313-1-A	-	1.0000	045F4501.D	2
46	46	1	M2020-0313-1-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	M2020-0319-4-A	-	1.0000	049F4901.D	2
50	50	1	M2020-0319-4-B	-	1.0000	050F5001.D	2
51	51	1	QC2-2-A	-	1.0000	051F5101.D	4
52	52	1	QC2-2-B	-	1.0000	052F5201.D	4
53	53	1	INTERNAL STD BLK	-	1.0000	053F5301.D	2

Method file name: C:\Chem32\1\Data\01-22-20_SAMPLES\01-22-20_SAMPLES 2020-01-22 11-53-37\SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
54	54	1	EMPTY	-	1.0000	054F5401.D	0