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): 2/12/21-2/13/21**

calibration: 2/2/21

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0754 g/100cc
					0.0765 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.2062-0.2278	0.2101 g/100cc
					0.2115 g/100cc
					g/100cc
Multi-Component mixture:			**Lot #**	FN07101701	
Curve Fit:		**Column 1**	0.99997	**Column2**	0.99978

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0511	0.0536	0.0025	0.0523
100	0.100	0.090 - 0.110	0.0998	0.1002	0.0004	0.1
200	0.200	0.180 - 0.220	0.2000	0.1978	0.0022	0.1989
300	0.300	0.270 - 0.330	0.2980	0.2948	0.0032	0.2964
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5011	0.5036	0.0025	0.5023

Aqueous Controls

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

APPROVED
By Stuart Jacobson at 12:26 pm, Feb 17, 2021

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

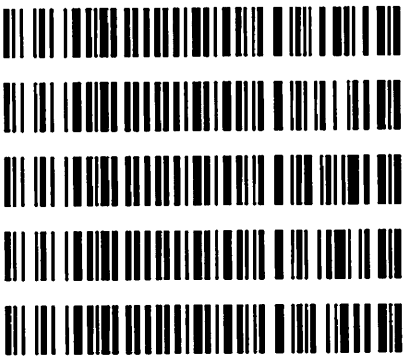
Worklist: 4785

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-0471	1	BCK	Alcohol Analysis
M2021-0478	1	BCK	Alcohol Analysis
M2021-0479	1	BCK	Alcohol Analysis
M2021-0480	1	BCK	Alcohol Analysis
M2021-0481	1	BCK	Alcohol Analysis
M2021-0500	1	BCK	Alcohol Analysis
M2021-0501	1	BCK	Alcohol Analysis
M2021-0502	1	BCK	Alcohol Analysis
M2021-0503	1	BCK	Alcohol Analysis
M2021-0532	2	UCK	Alcohol Analysis
M2021-0533	1	BCK	Alcohol Analysis
M2021-0540	1	BCK	Alcohol Analysis
M2021-0580	1	BCK	Alcohol Analysis
M2021-0581	1	BCK	Alcohol Analysis
M2021-0583	1	BCK	Alcohol Analysis
M2021-0598	1	BCK	Alcohol Analysis
M2021-0599	1	BCK	Alcohol Analysis
M2021-0636	1	BCK	Alcohol Analysis
M2021-0640	1	BCK	Alcohol Analysis
M2021-0660	1	BCK	BATS Proficiency Test
M2021-0660	2	BCK	BATS Proficiency Test

NB

Worklist: 4785

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-0660	3	BCK	BATS Proficiency Test
M2021-0660	4	BCK	BATS Proficiency Test
M2021-0666	1	BCK	Alcohol Analysis
M2021-0670	1	BCK	Alcohol Analysis
M2021-0671	2	BCK	Alcohol Analysis



Calibration Table

General Calibration Setting

Calib. Data Modified : Tuesday, February 02, 2021 2:22:29 PM
Signals calculated separately : No

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

Curve Type : Linear
Origin : Ignored
Weight : Equal

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

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

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

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

Signal Details

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

Overview Table

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

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.586	1	1	1.00000	3.69669	2.70512e-1	No	No	1	methanol
2.809	1	1	1.00000	4.26100	2.34687e-1	No	No	2	Acetaldehyde
2.977	2	1	1.00000	4.26100	2.34687e-1	No	No	2	Acetaldehyde
3.075	1	1	5.00000e-2	4.32458	1.15618e-2	No	No	1	ethanol
		2	1.00000e-1	8.95372	1.11685e-2				
		3	2.00000e-1	17.50061	1.14282e-2				
		4	3.00000e-1	27.01694	1.11041e-2				
		5	5.00000e-1	43.78331	1.14199e-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	4.32897	1.15501e-2	No	No	2	ethanol
		2	1.00000e-1	9.00613	1.11036e-2				
		3	2.00000e-1	17.75266	1.12659e-2				
		4	3.00000e-1	27.64527	1.08518e-2				
		5	5.00000e-1	45.53594	1.09803e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	44.46800	2.24881e-2	No	Yes	1	n-propanol
		2	1.00000	46.08266	2.17001e-2				
		3	1.00000	44.44189	2.25013e-2				
		4	1.00000	45.88821	2.17921e-2				
		5	1.00000	44.08541	2.26832e-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	44.45433	2.24950e-2	No	Yes	2	n-propanol
		2	1.00000	45.74496	2.18603e-2				
		3	1.00000	43.77576	2.28437e-2				
		4	1.00000	45.10445	2.21708e-2				
		5	1.00000	42.99605	2.32579e-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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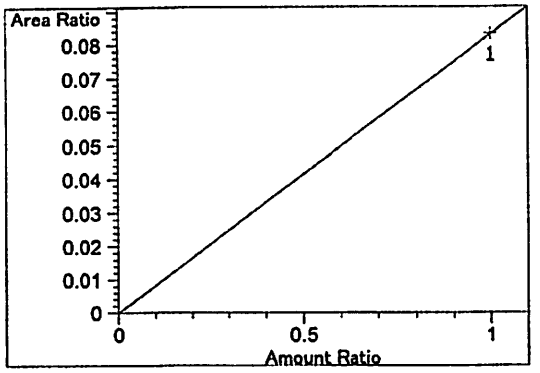
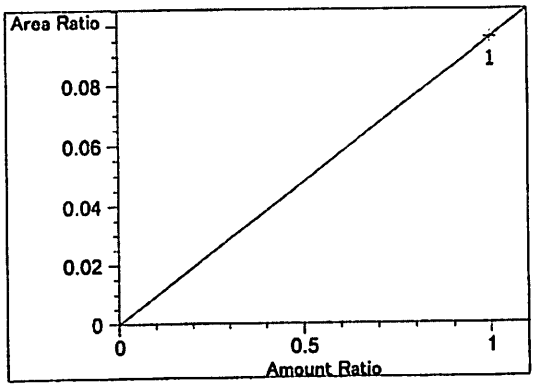
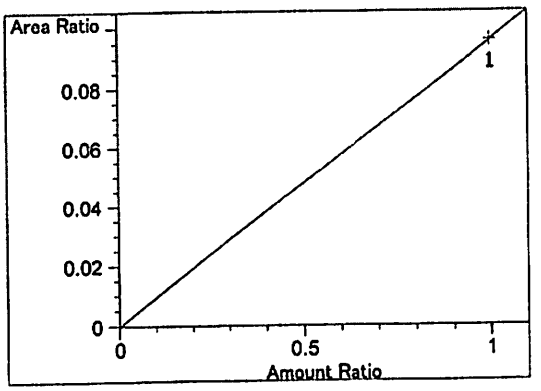


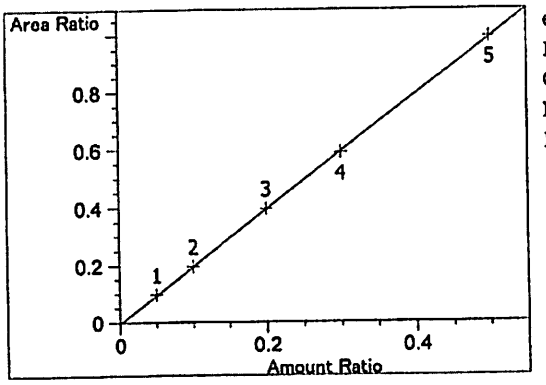
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.31316e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



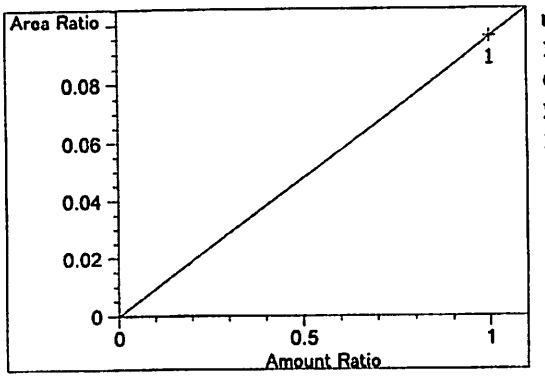
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.58512e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



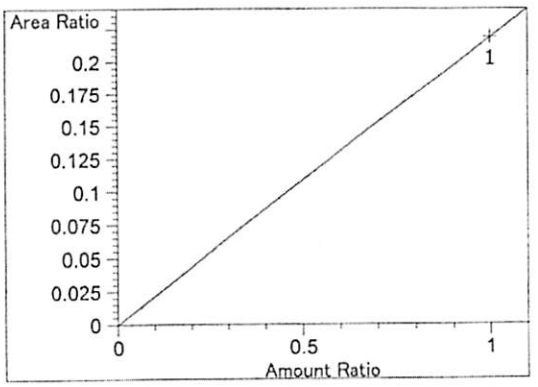
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.58512e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



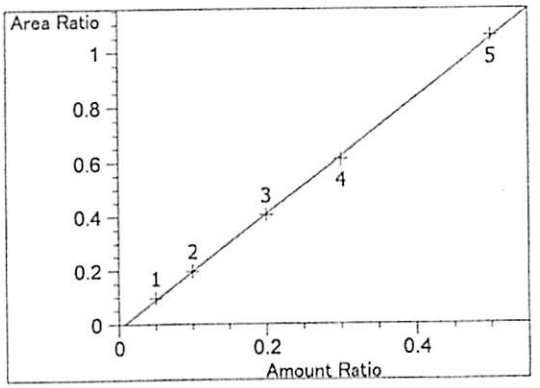
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00294
Formula: y = mx + b
m: 1.99051
b: -4.36961e-3
x: Amount Ratio
y: Area Ratio



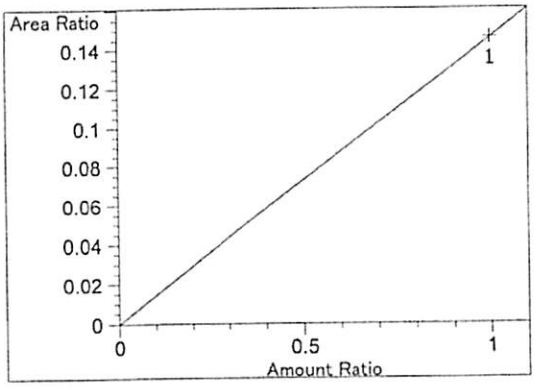
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.58427e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



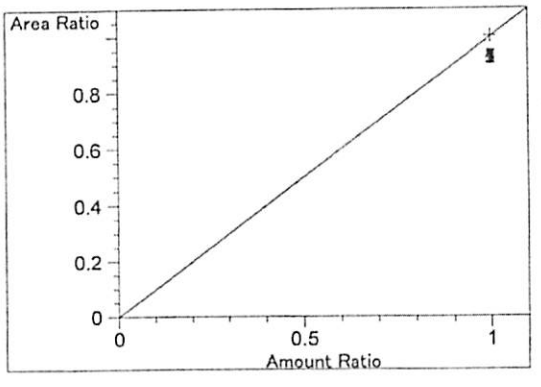
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.18821e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



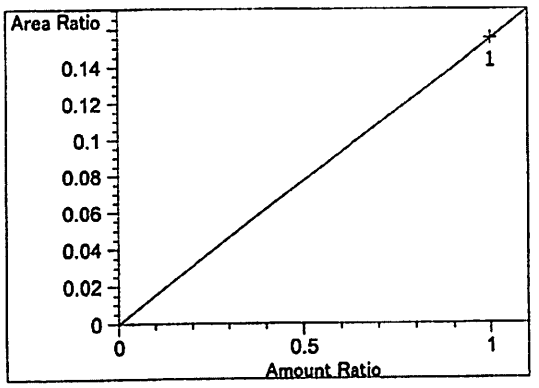
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99978
Residual Std. Dev.: 0.00936
Formula: y = mx + b
m: 2.13723
b: -1.72060e-2
x: Amount Ratio
y: Area Ratio



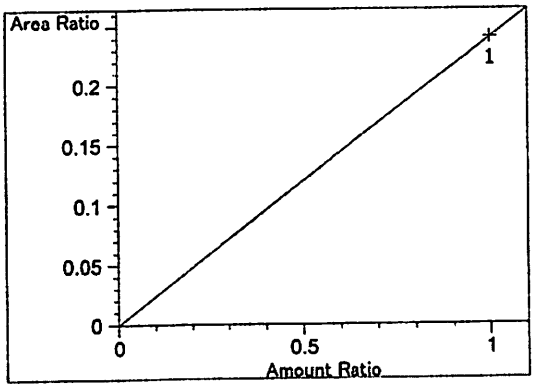
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.46159e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



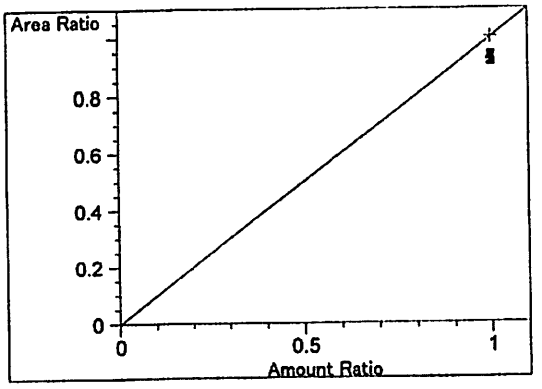
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.55058e-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: 2.40841e-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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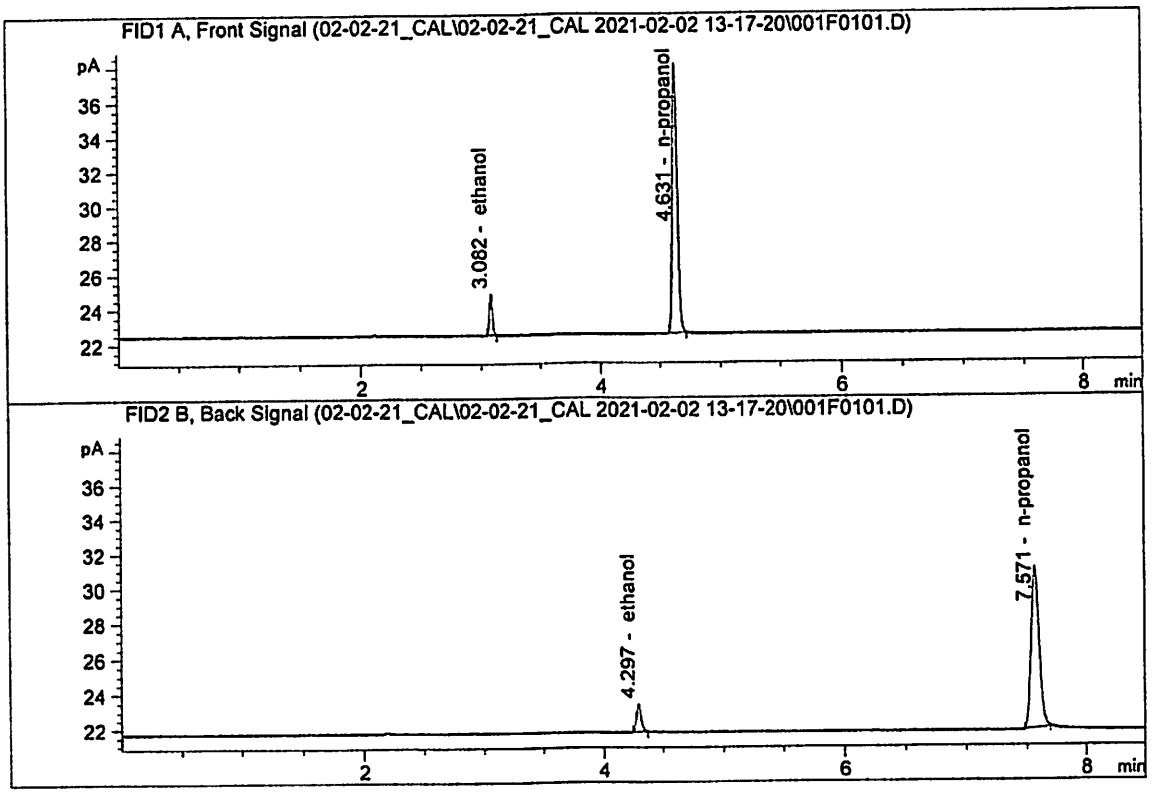
ISP Forensic Services Blood Alcohol Report

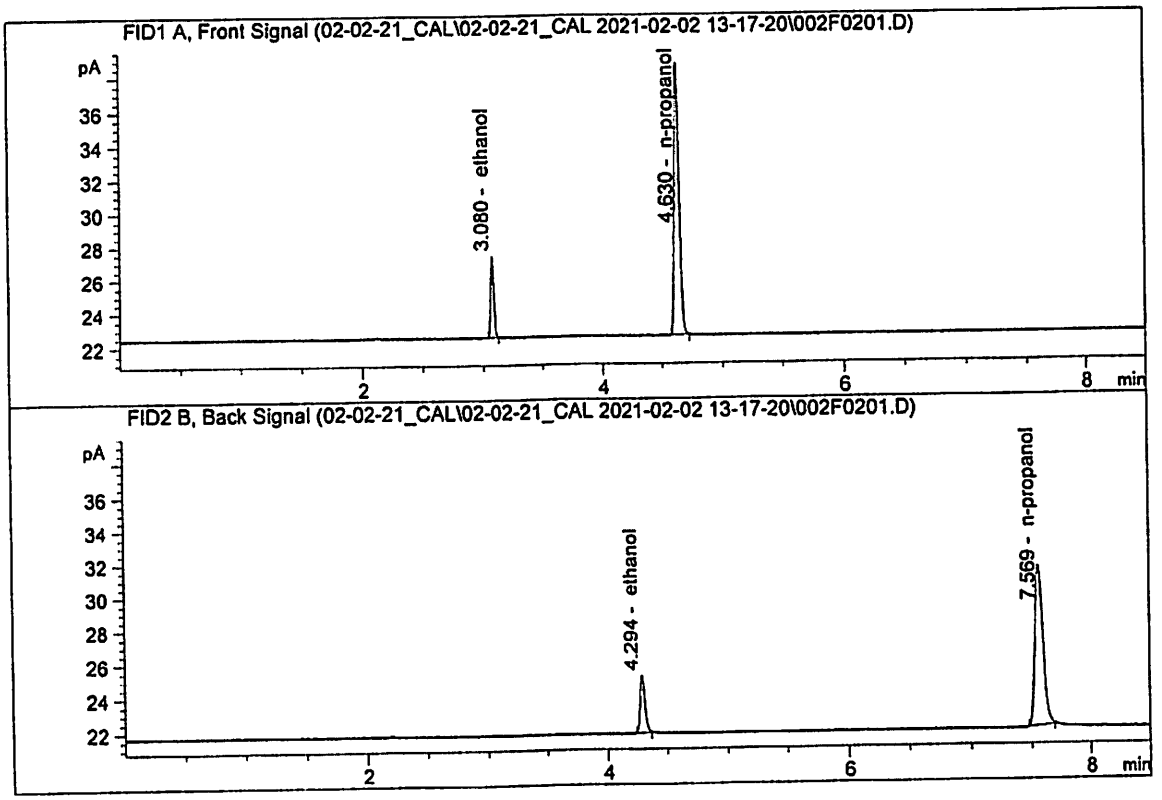
Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Feb 2, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.32458	0.0511	g/100cc
2.	Ethanol	Column 2:	4.32897	0.0536	g/100cc
3.	n-Propanol	Column 1:	44.46800	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.45433	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

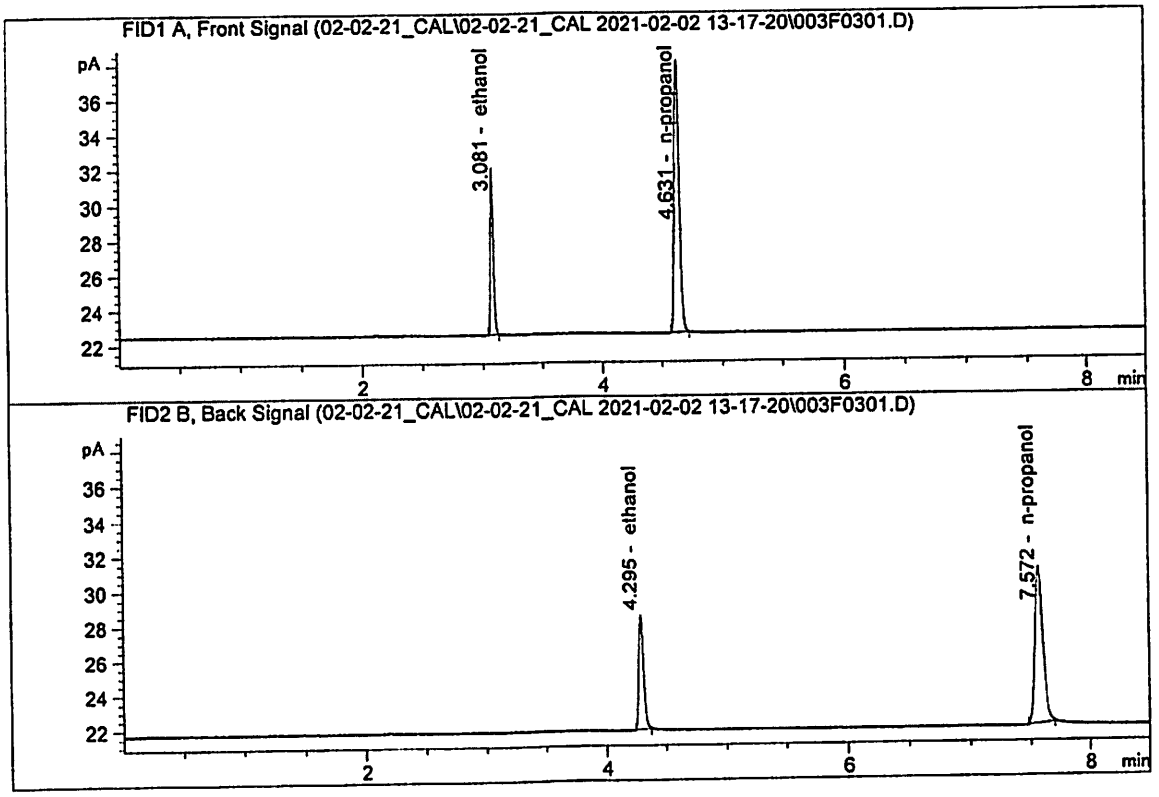
Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Feb 2, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.95372	0.0998	g/100cc
2.	Ethanol	Column 2:	9.00613	0.1002	g/100cc
3.	n-Propanol	Column 1:	46.08266	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.74496	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

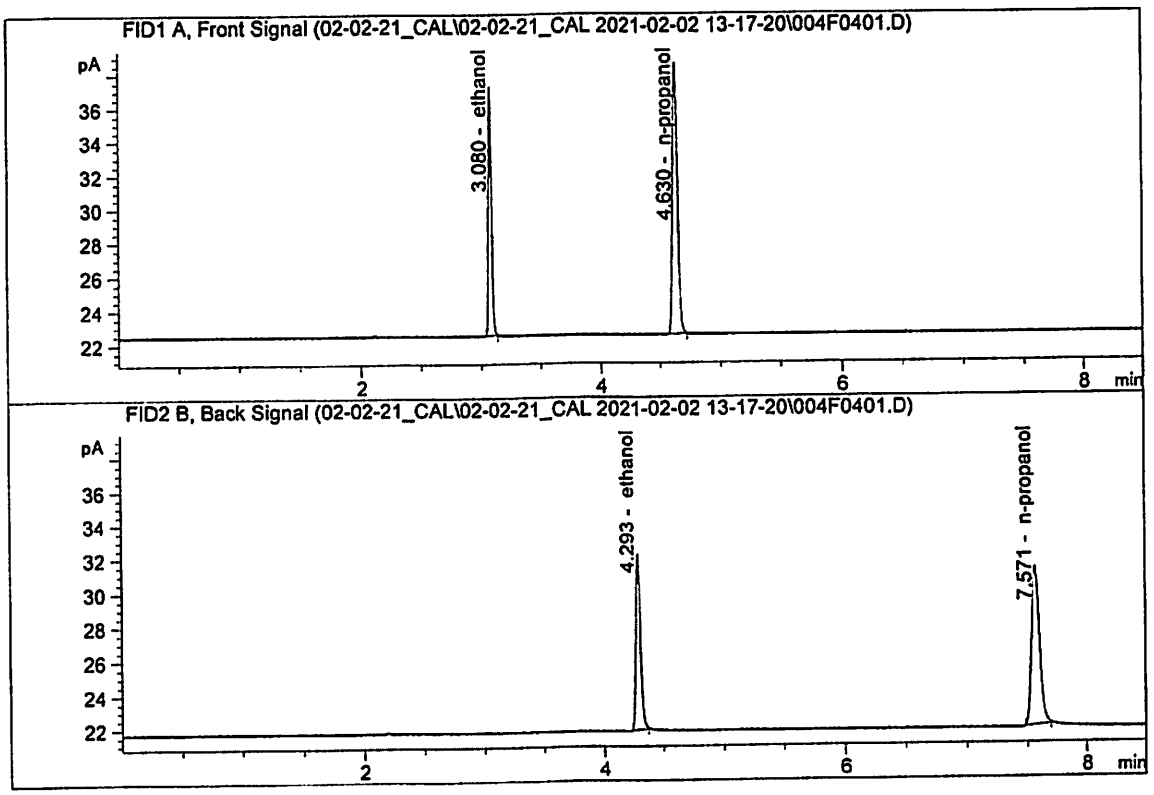
Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Feb 2, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.50061	0.2000	g/100cc
2.	Ethanol	Column 2:	17.75266	0.1978	g/100cc
3.	n-Propanol	Column 1:	44.44189	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.77576	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Feb 2, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

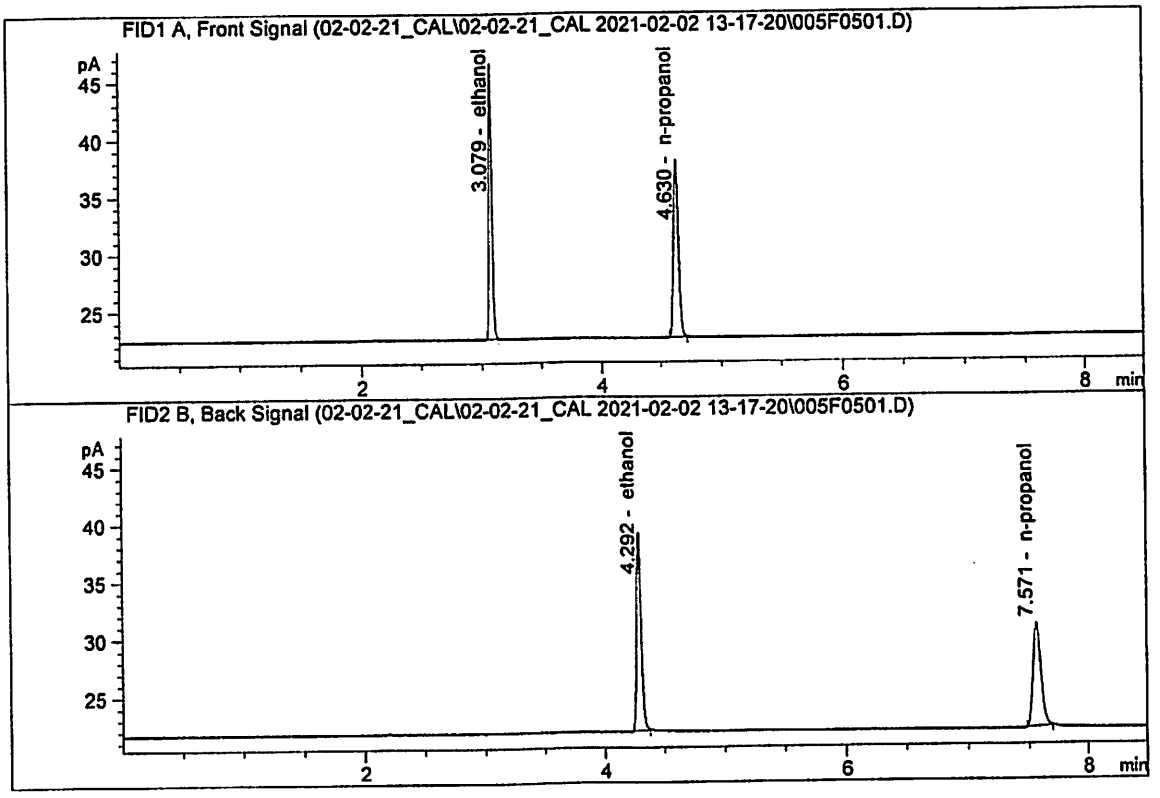


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.01694	0.2980	g/100cc
2.	Ethanol	Column 2:	27.64527	0.2948	g/100cc
3.	n-Propanol	Column 1:	45.88821	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.10445	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08241801
Laboratory : Meridian
Injection Date : Feb 2, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

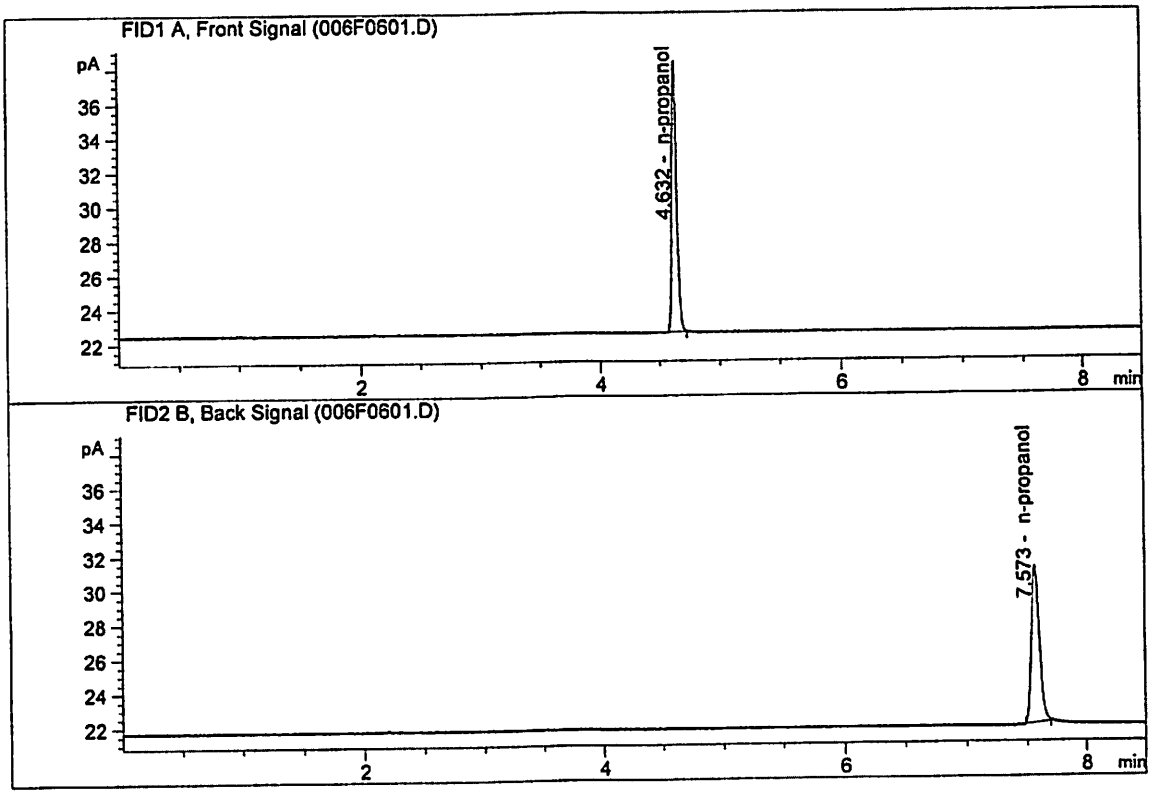


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.78331	0.5011	g/100cc
2.	Ethanol	Column 2:	45.53594	0.5036	g/100cc
3.	n-Propanol	Column 1:	44.08541	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.99605	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Feb 2, 2021
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:	45.10180	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.23458	1.0000	g/100cc

NB

Sequence File C:\Chem32\1\Data\02-02-21_CAL\02-02-21_CAL 2021-02-02 13-17-20\02-02-21_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\02-02-21_CAL\02-02-21_CAL 2021-02-02 13-17-20\02-02-21_CAL.S
Data directory path: C:\Chem32\1\Data\02-02-21_CAL\02-02-21_CAL 2021-02-02 13-17-20\
Logbook: C:\Chem32\1\Data\02-02-21_CAL\02-02-21_CAL 2021-02-02 13-17-20\02-02-21_CAL.LOG
Sequence start: 2/2/2021 1:31:57 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\02-02-21_CAL\02-02-21_CAL 2021-02-02 13-17-20\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

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 12 Feb 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0743	0.0762	0.0019	0.0752	0.0003	0.0754
(g/100cc)	0.0749	0.0762	0.0013	0.0755		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	0.071	0.079	0.004

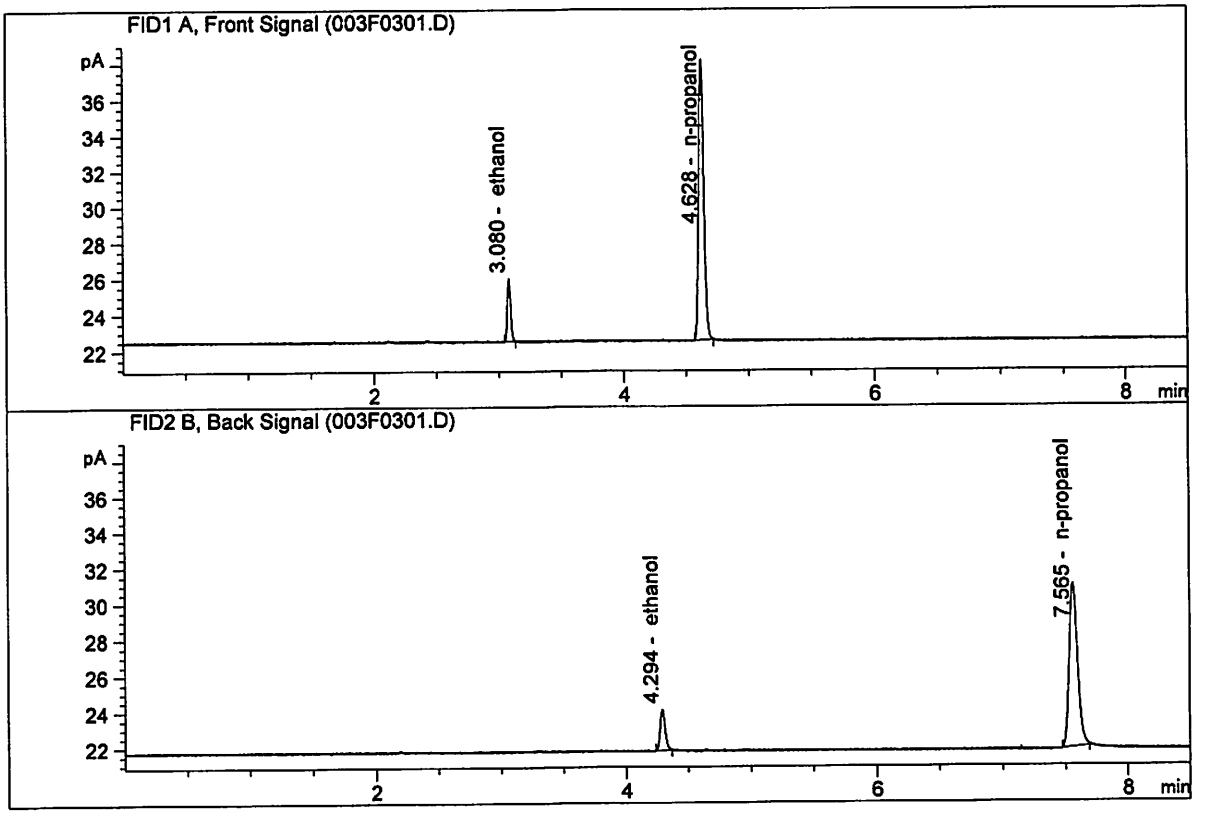
	Reported Result	
	0.075	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Feb 12, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

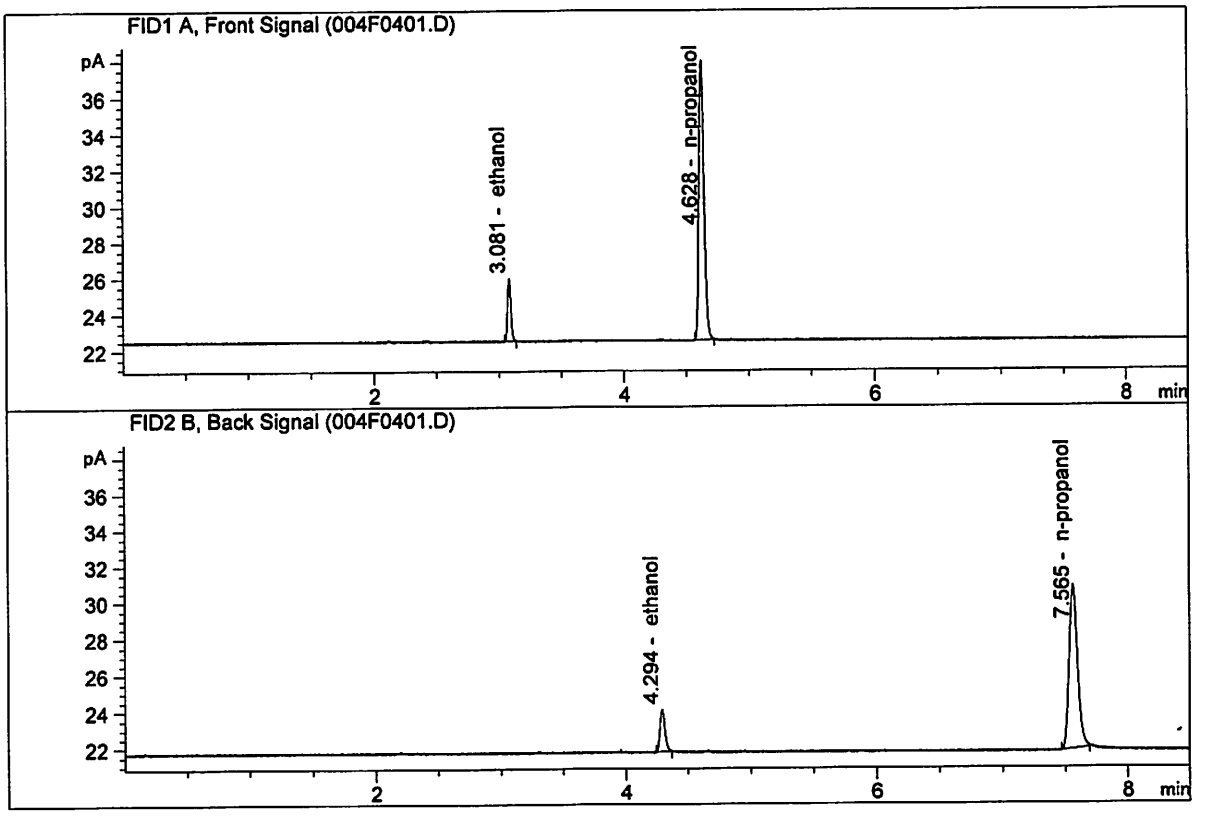


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.39074	0.0743	g/100cc
2.	Ethanol	Column 2:	6.35297	0.0762	g/100cc
3.	n-Propanol	Column 1:	44.50019	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.59048	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Feb 12, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.38479	0.0749	g/100cc
2.	Ethanol	Column 2:	6.30645	0.0762	g/100cc
3.	n-Propanol	Column 1:	44.12386	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.31678	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 12 Feb 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0817	0.0828	0.0011	0.0822	0.0008	0.0818
(g/100cc)	0.0808	0.0821	0.0013	0.0814		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

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

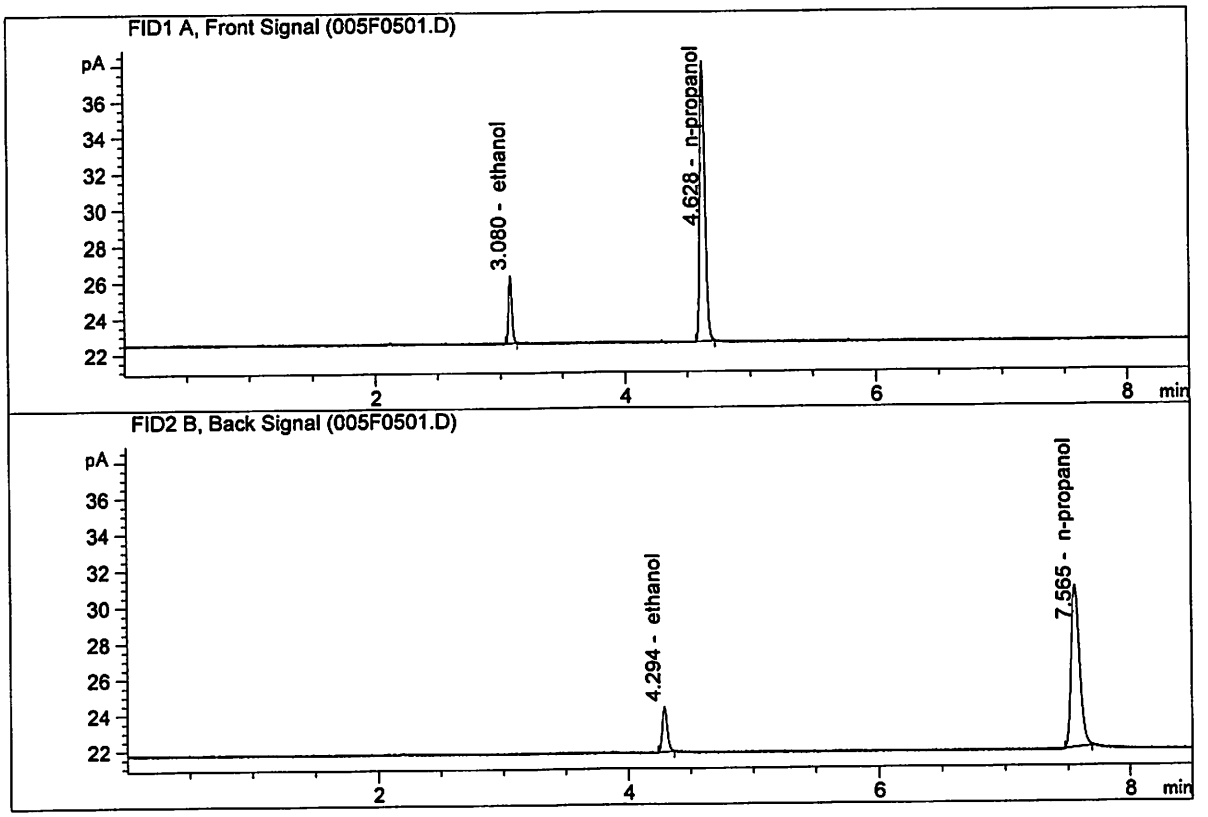
	Reported Result	
	0.081	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-A
Laboratory : Meridian
Injection Date : Feb 12, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

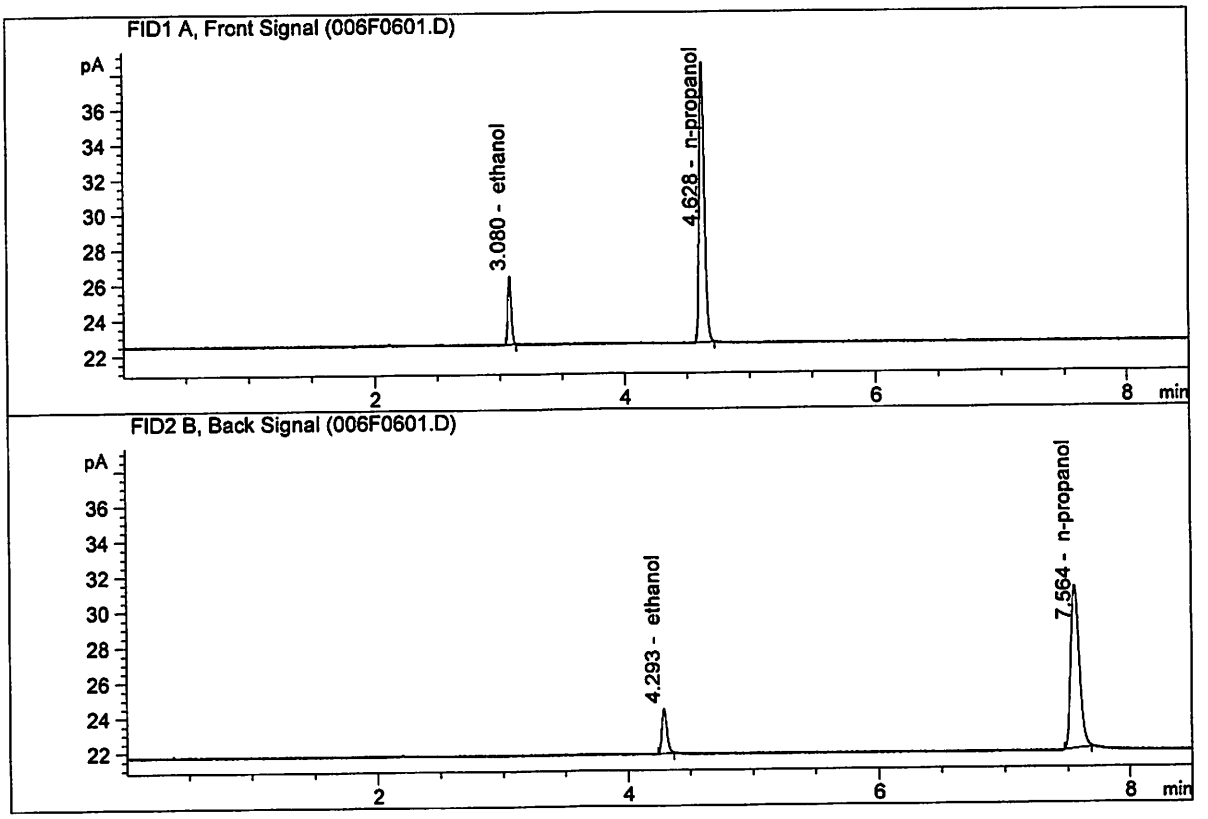


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.00256	0.0817	g/100cc
2.	Ethanol	Column 2:	6.90061	0.0828	g/100cc
3.	n-Propanol	Column 1:	44.25642	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.21357	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Meridian
Injection Date : Feb 12, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.12001	0.0808	g/100cc
2.	Ethanol	Column 2:	7.02102	0.0821	g/100cc
3.	n-Propanol	Column 1:	45.49922	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.35972	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 12 Feb 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2097	0.2070	0.0027	0.2083	0.0036	0.2101
(g/100cc)	0.2121	0.2117	0.0004	0.2119		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.210	**0.199**	**0.221**	**0.011**

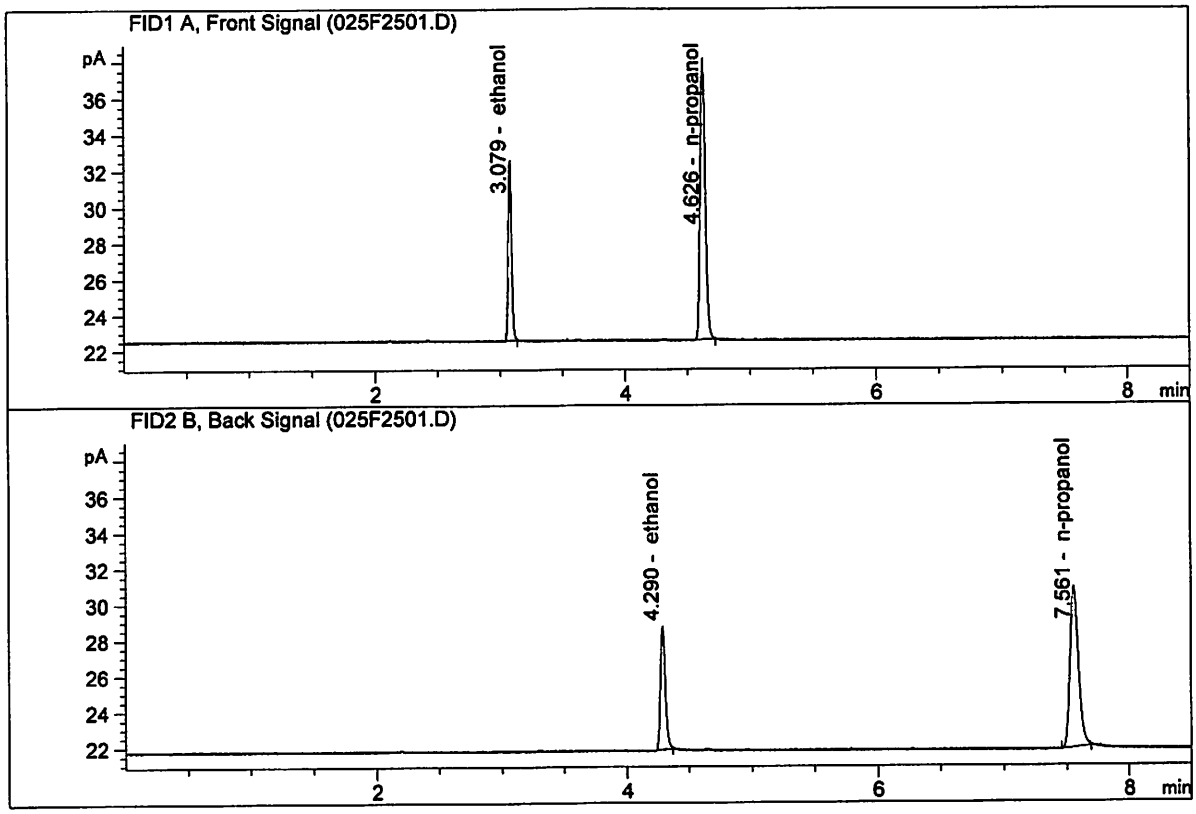
	Reported Result	
	0.210	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Feb 12, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

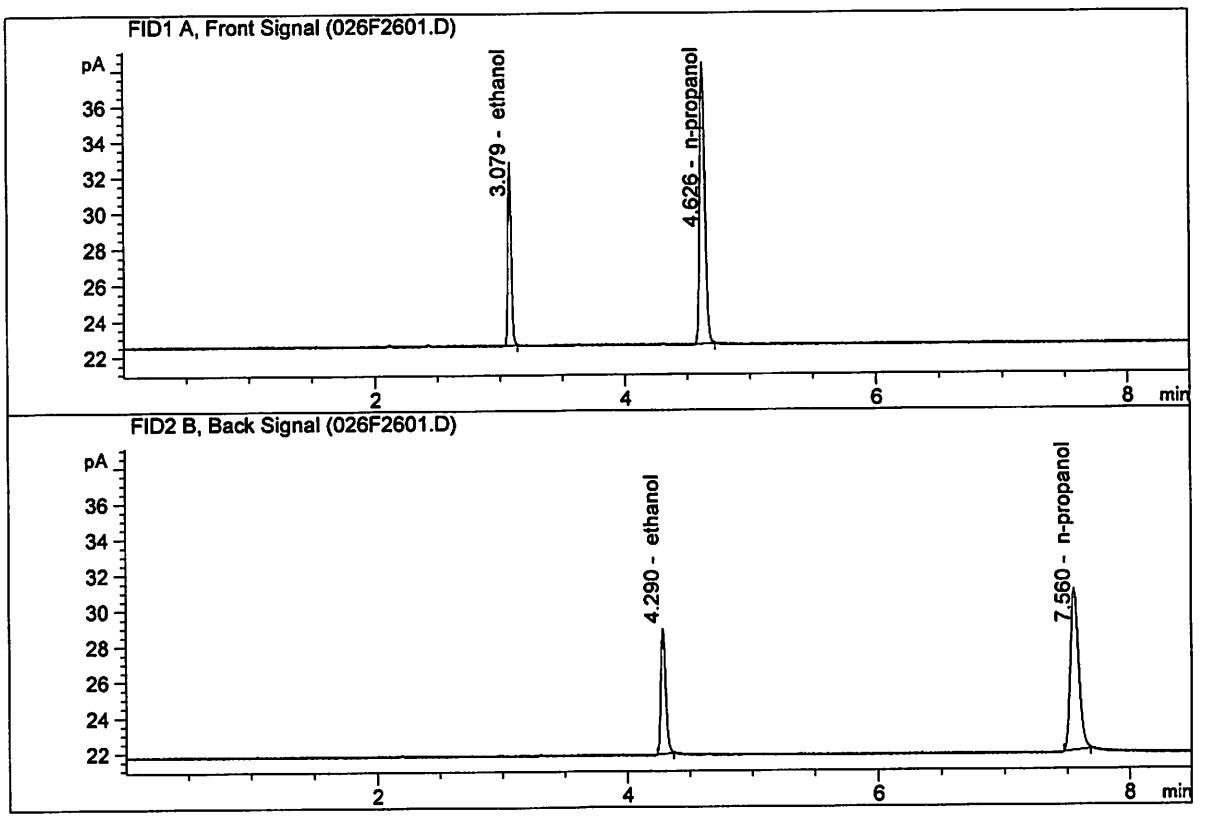


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.36485	0.2097	g/100cc
2.	Ethanol	Column 2:	18.49351	0.2070	g/100cc
3.	n-Propanol	Column 1:	44.46133	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.48597	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Feb 12, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.75018	0.2121	g/100cc
2.	Ethanol	Column 2:	18.86709	0.2117	g/100cc
3.	n-Propanol	Column 1:	44.86798	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.34656	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 12 Feb 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0762	0.0772	0.0010	0.0767	0.0004	0.0765
(g/100cc)	0.0758	0.0768	0.0010	0.0763		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

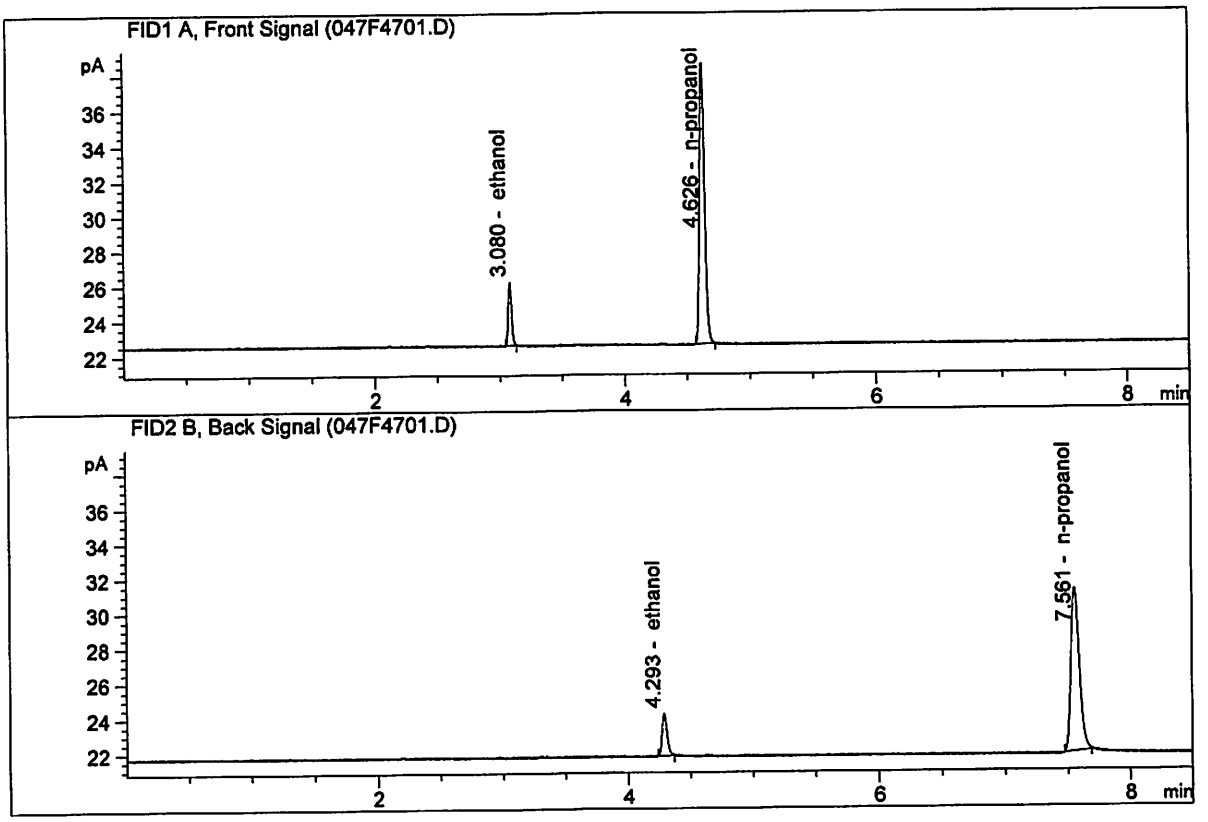
	Reported Result	
	0.076	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Feb 12, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

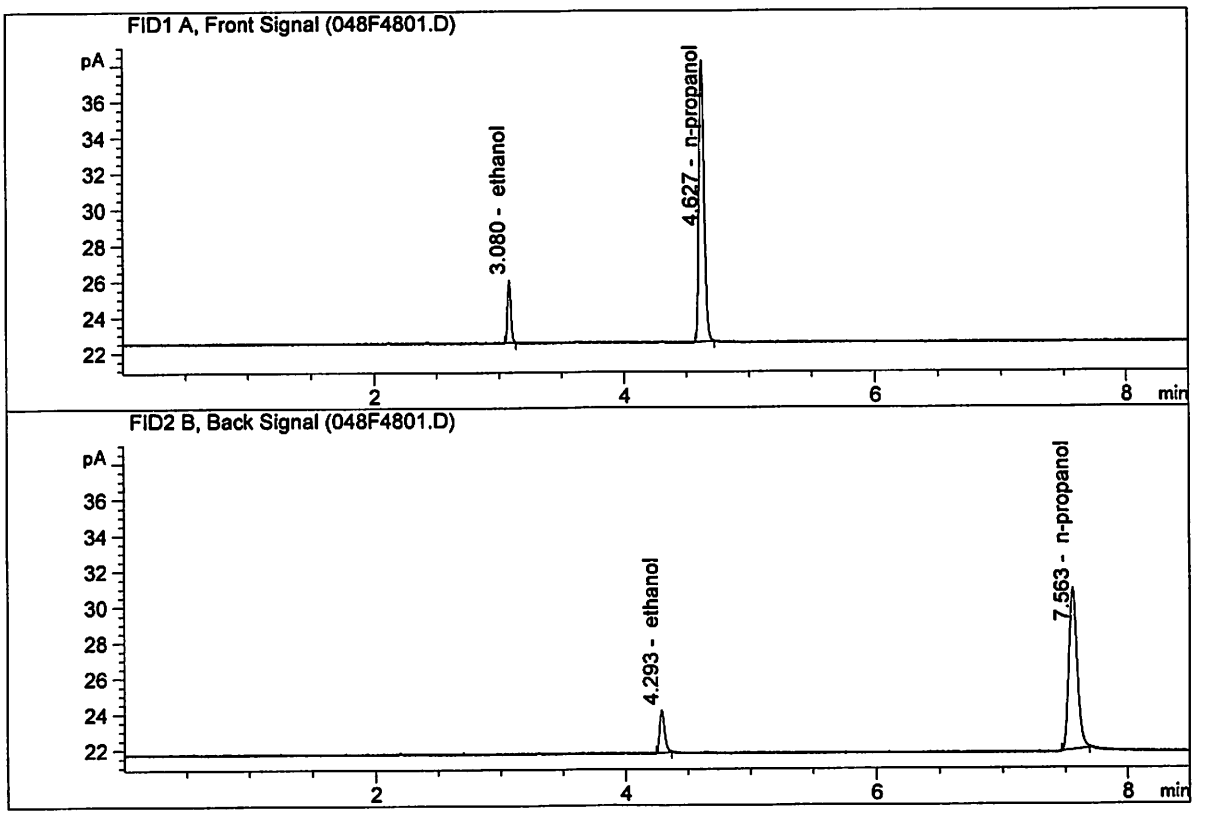


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.73419	0.0762	g/100cc
2.	Ethanol	Column 2:	6.55996	0.0772	g/100cc
3.	n-Propanol	Column 1:	45.71246	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.41171	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Feb 12, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.52976	0.0758	g/100cc
2.	Ethanol	Column 2:	6.38622	0.0768	g/100cc
3.	n-Propanol	Column 1:	44.58660	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.44759	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 13 Feb 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2122	0.2107	0.0015	0.2114	0.0002	0.2115
(g/100cc)	0.2123	0.2110	0.0013	0.2116		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

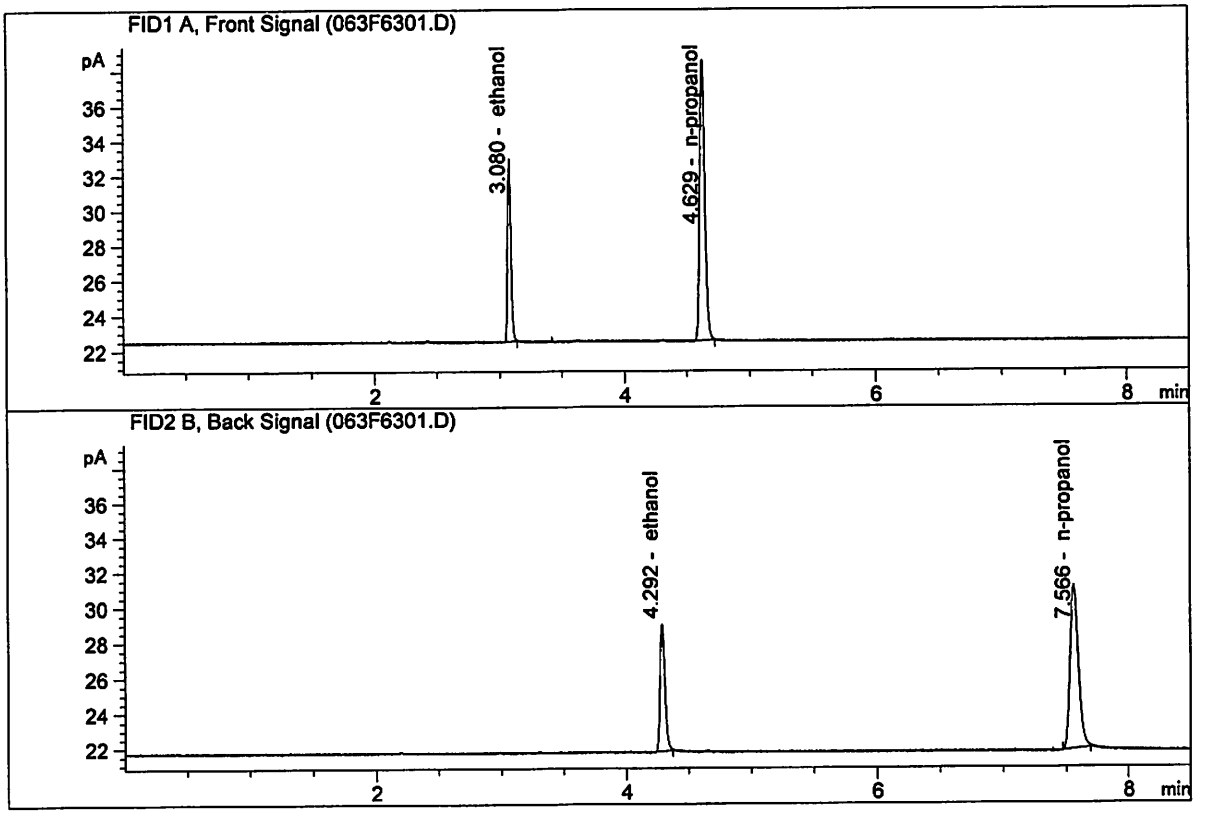
Overall Mean (g/100cc)	Low	High	5% of Mean
0.211	0.200	0.222	0.011

	Reported Result	
	0.211	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

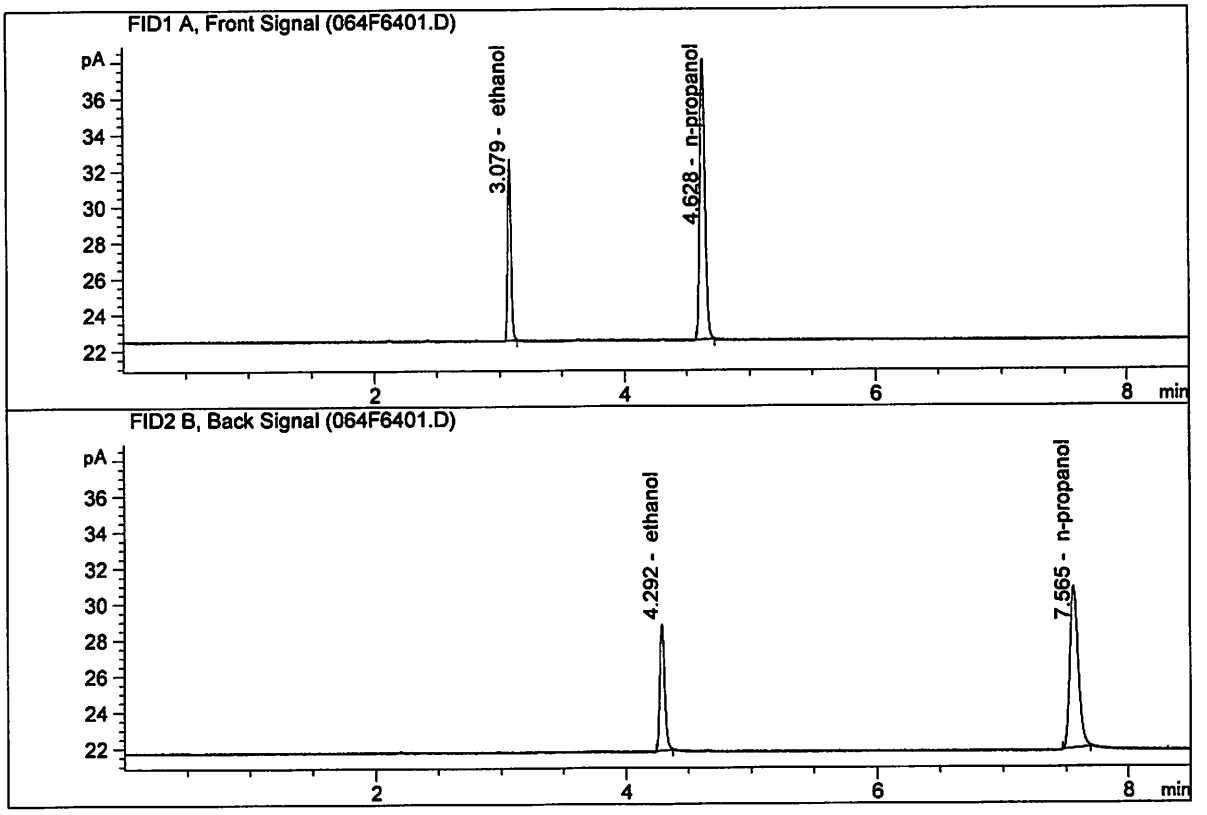
Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Feb 13, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.06436	0.2122	g/100cc
2.	Ethanol	Column 2:	19.29430	0.2107	g/100cc
3.	n-Propanol	Column 1:	45.61383	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.55277	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

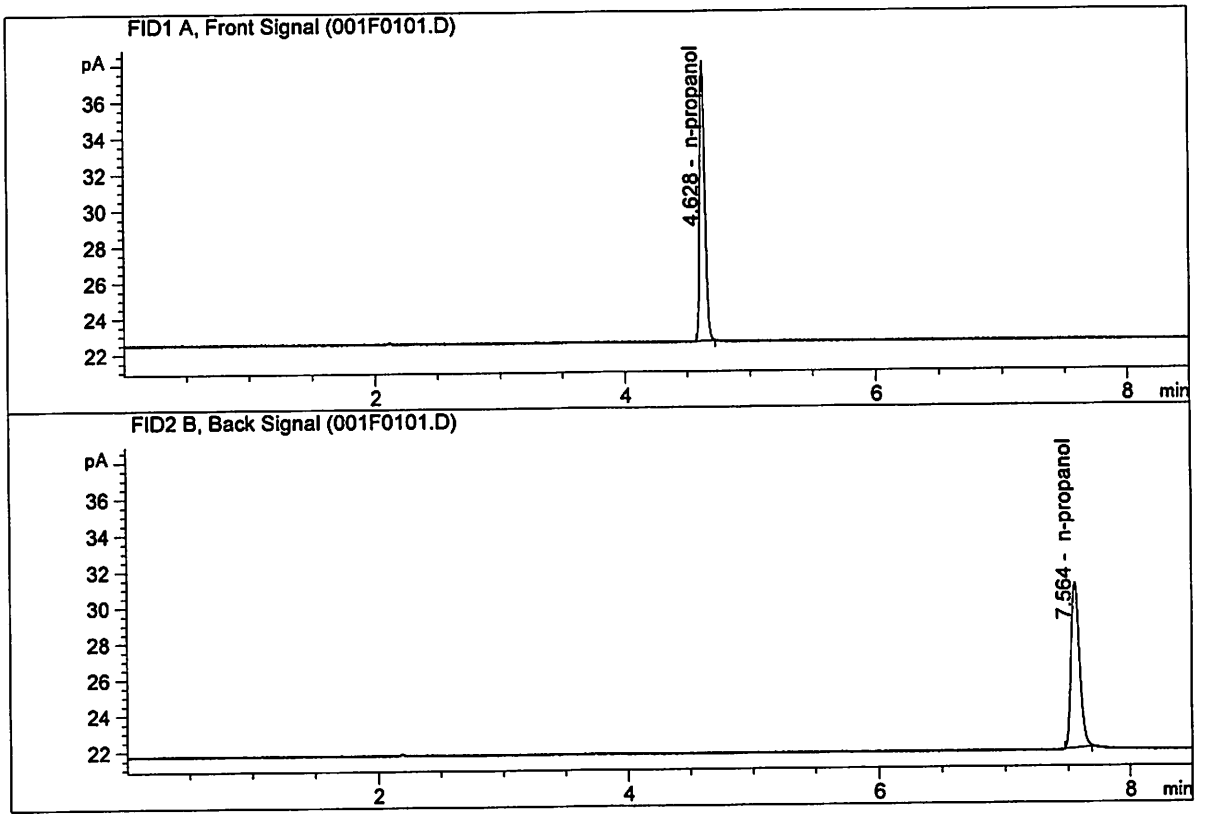
Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Feb 13, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.49843	0.2123	g/100cc
2.	Ethanol	Column 2:	18.64893	0.2110	g/100cc
3.	n-Propanol	Column 1:	44.22342	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.99646	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Feb 12, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

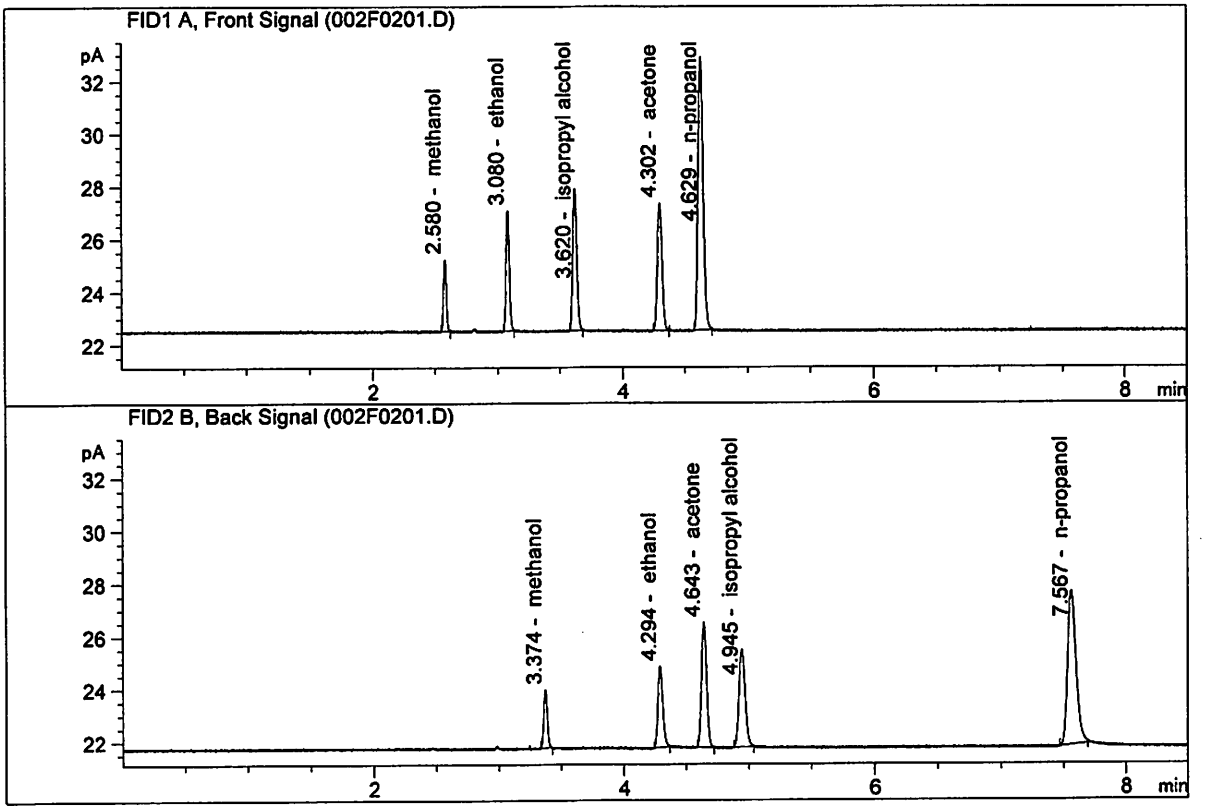


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.24299	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.21068	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN07101701
Laboratory : Meridian
Injection Date : Feb 12, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

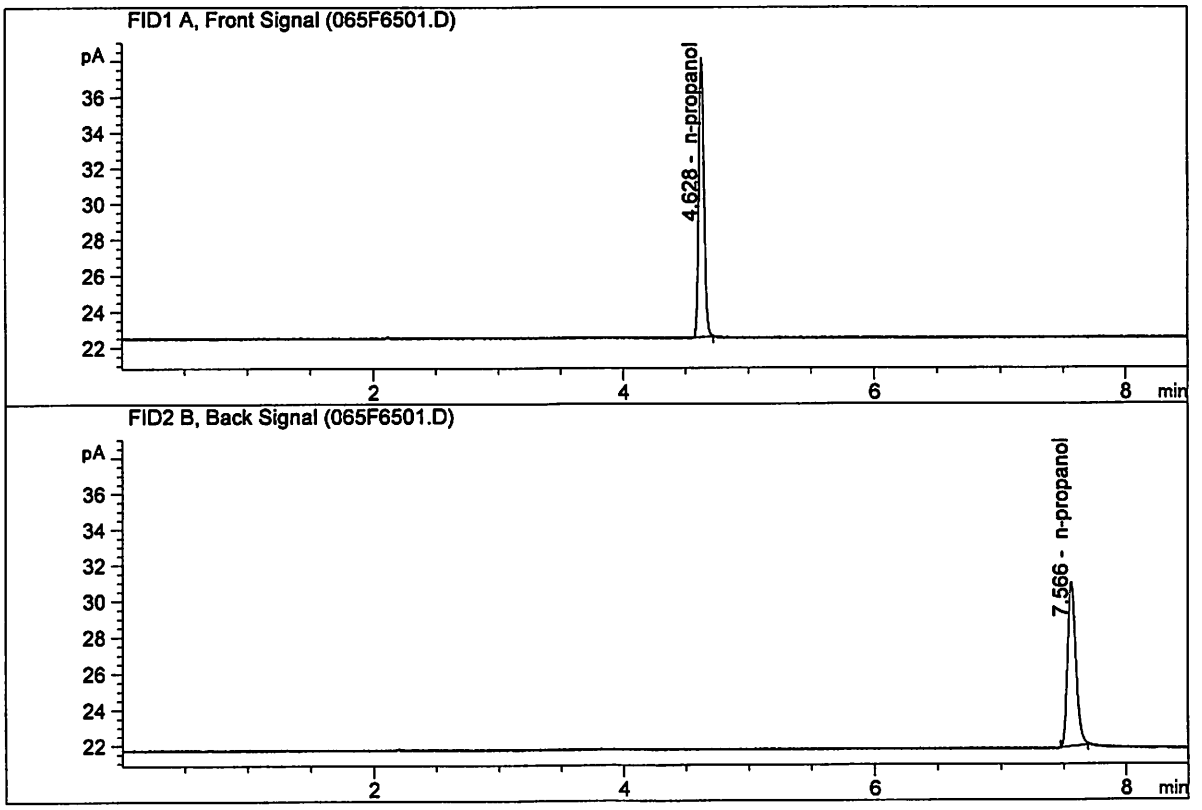


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.11793	0.1412	g/100cc
2.	Ethanol	Column 2:	8.29023	0.1450	g/100cc
3.	n-Propanol	Column 1:	29.33553	1.0000	g/100cc
4.	n-Propanol	Column 2:	28.33435	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

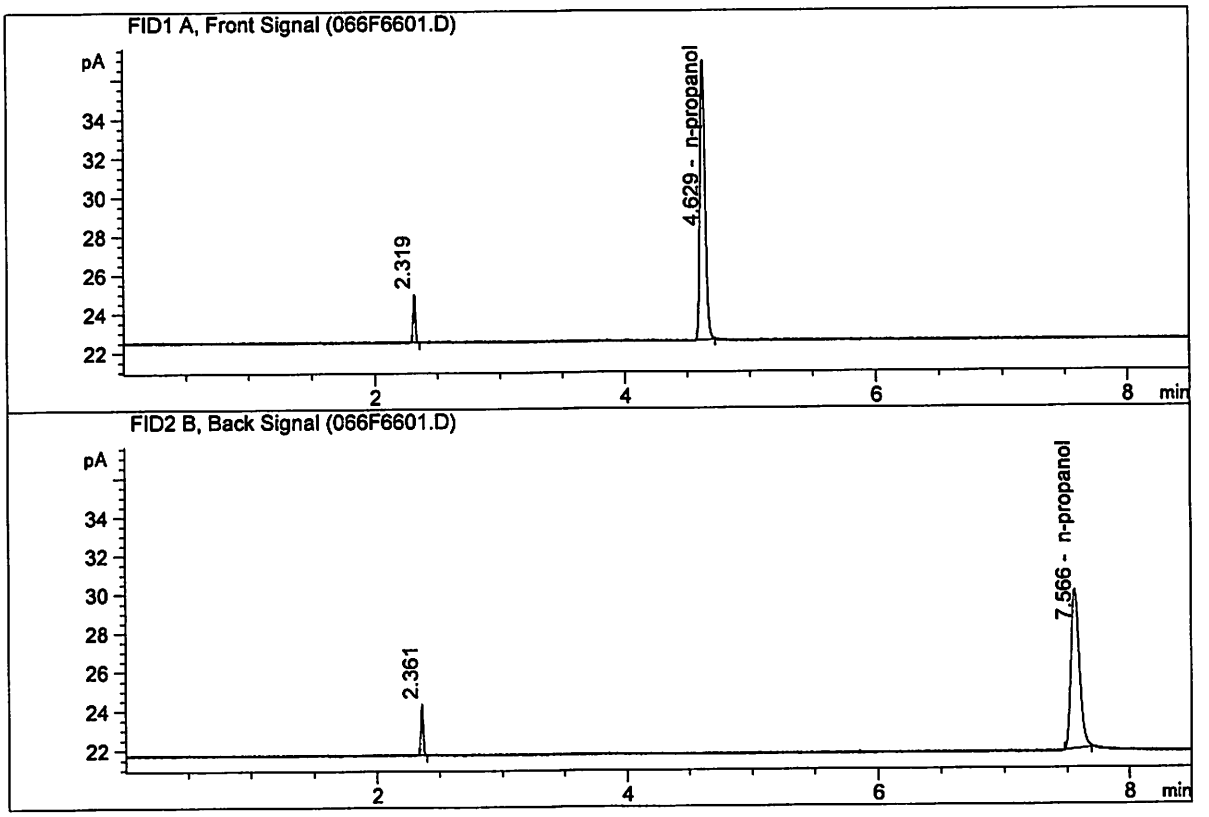
Sample Name : INTERNAL STD BLK 2
Laboratory : Meridian
Injection Date : Feb 13, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	44.54686	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.50343	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : DFE 111914OM
Laboratory : Meridian
Injection Date : Feb 13, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

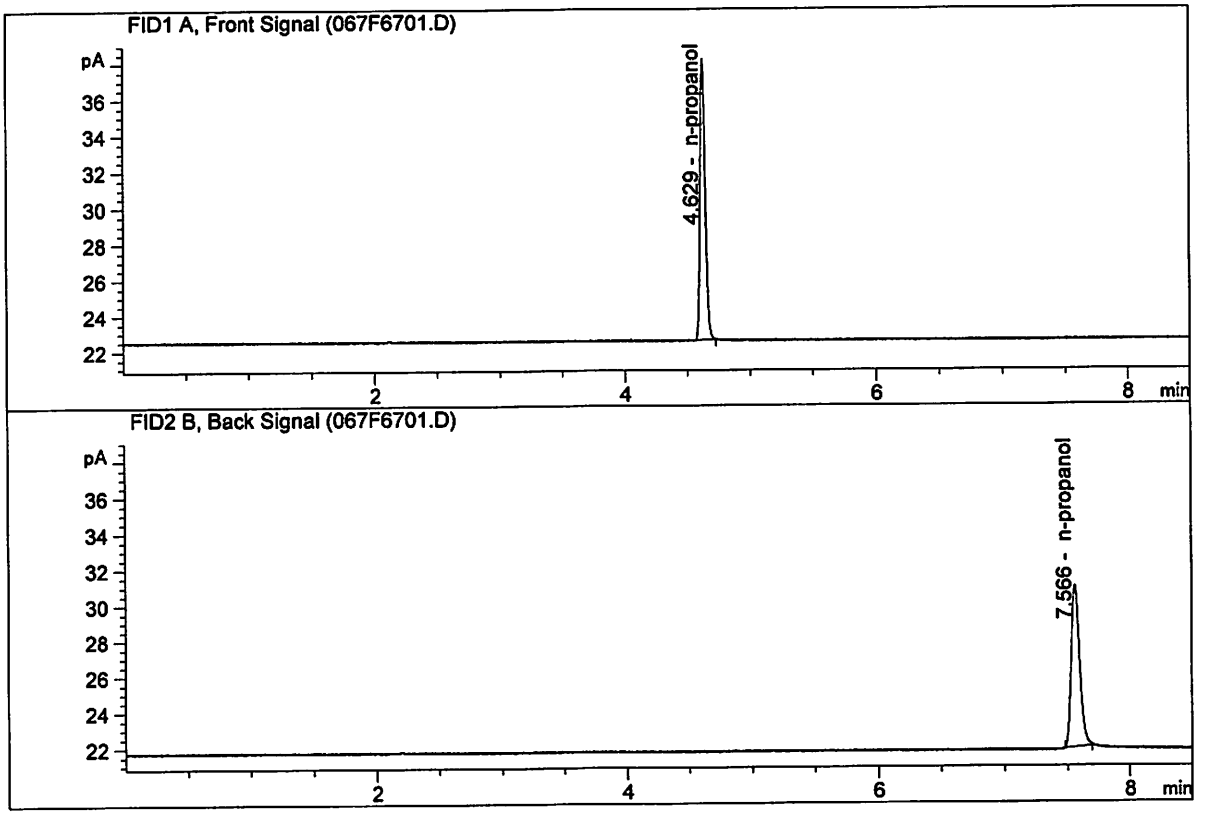


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.53563	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.14270	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

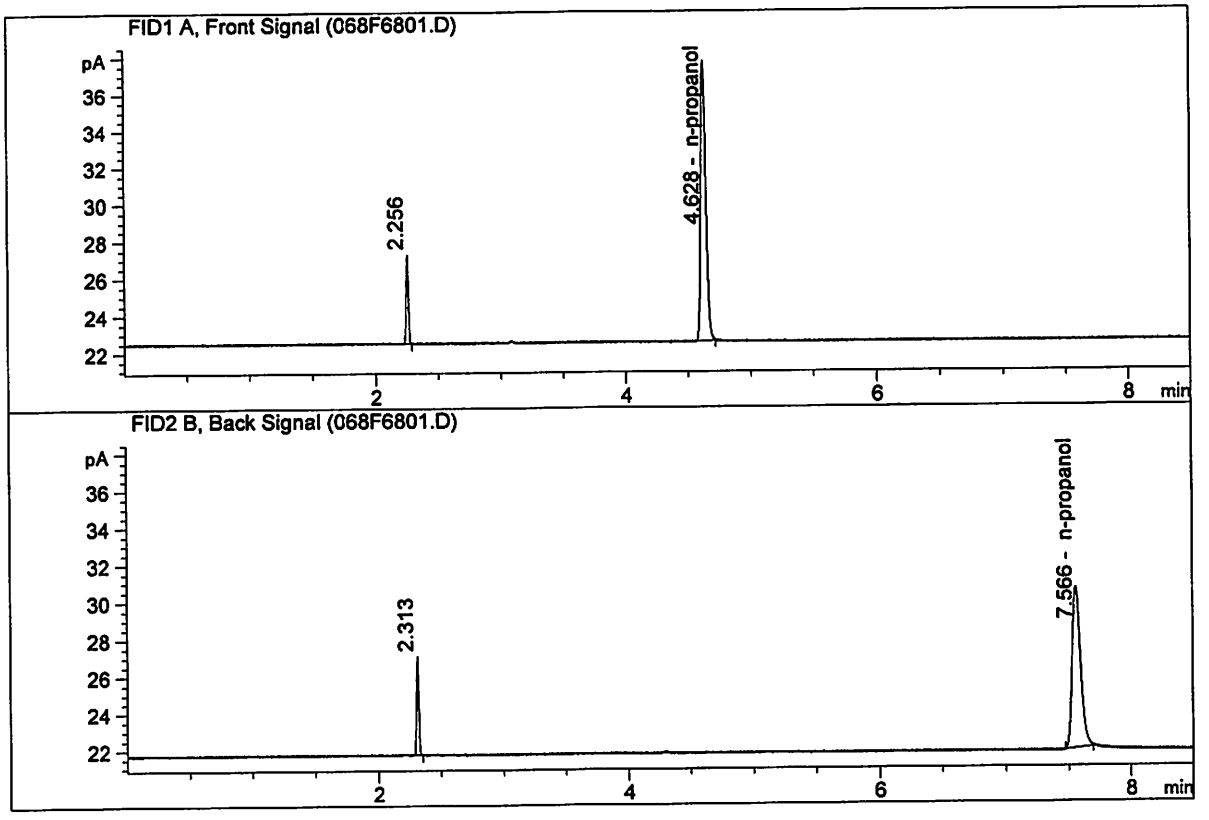
Sample Name : INTERNAL STD BLK 3
Laboratory : Meridian
Injection Date : Feb 13, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	44.62726	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.42159	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : Feb 13, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

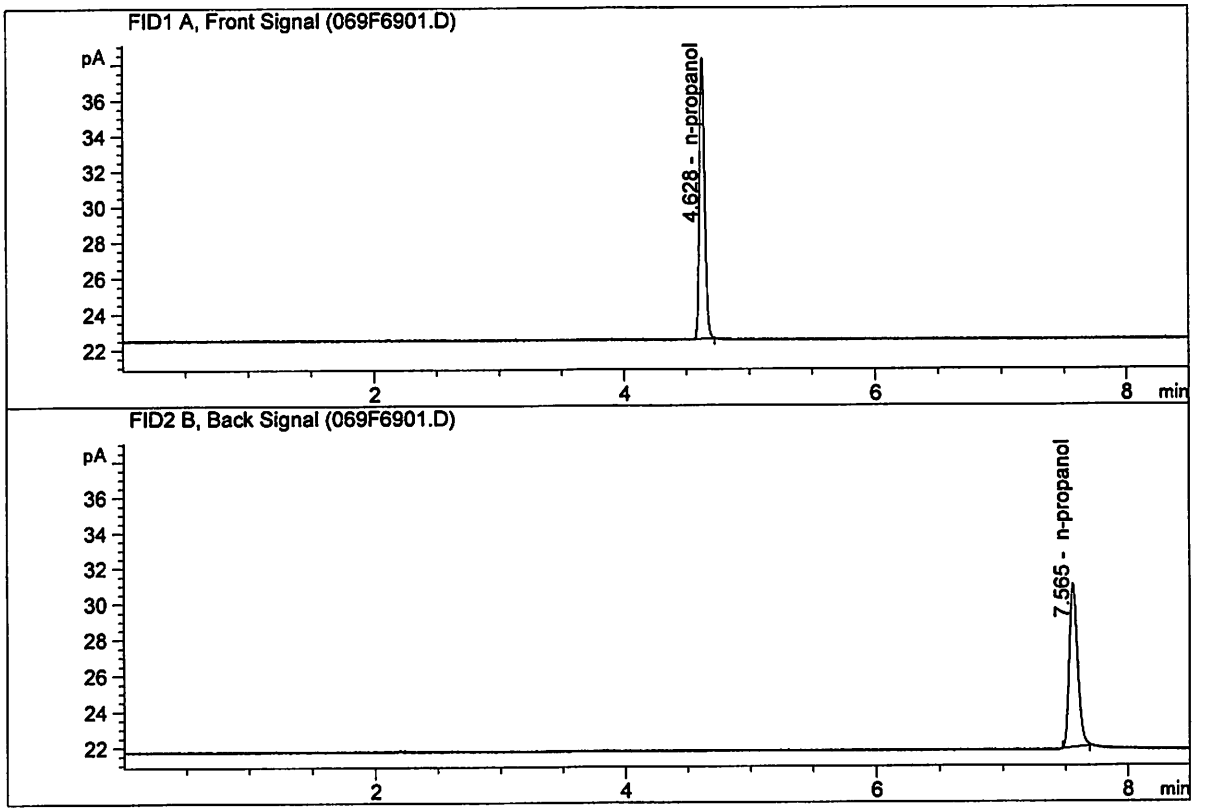


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.80082	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.76911	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 4
Laboratory : Meridian
Injection Date : Feb 13, 2021
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

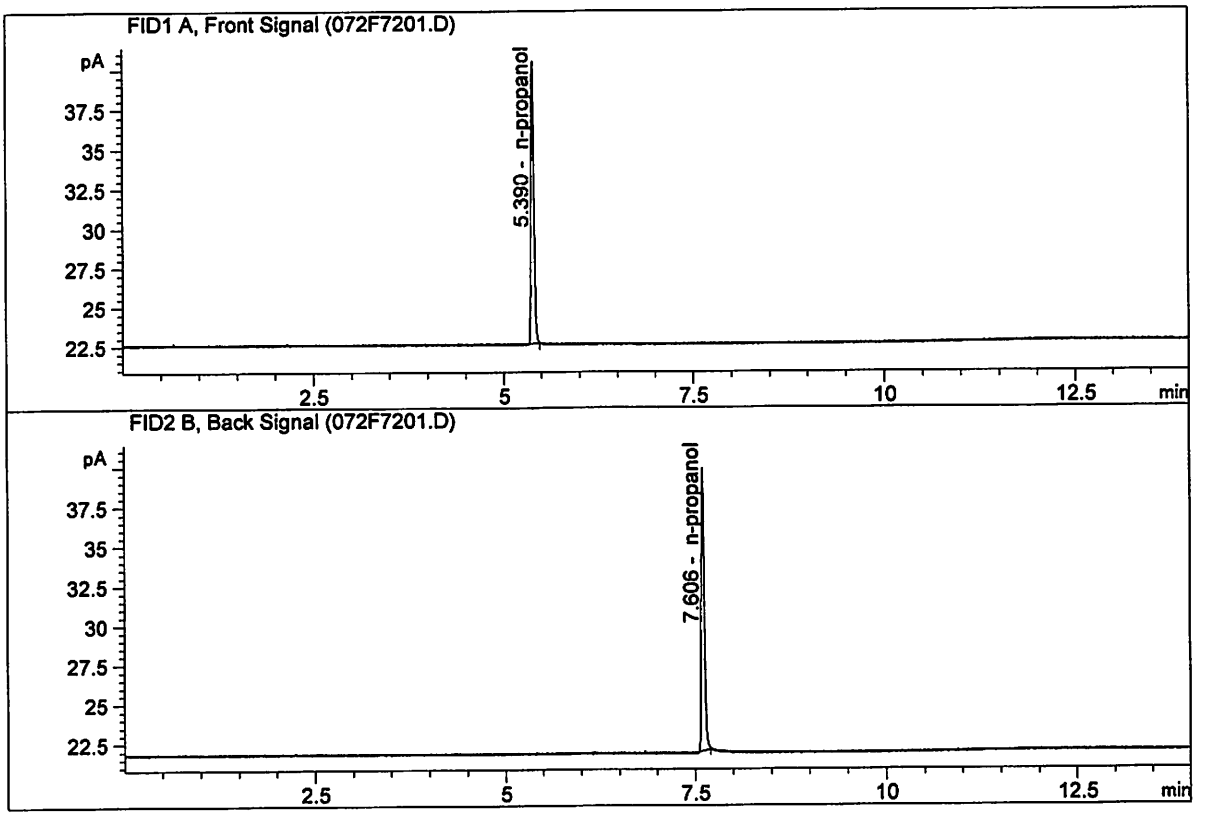


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.87420	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.73246	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 5
Laboratory : Meridian
Injection Date : Feb 13, 2021
Method : VOLATILES.M
Acq. Instrument: CN11180014-CN11041167

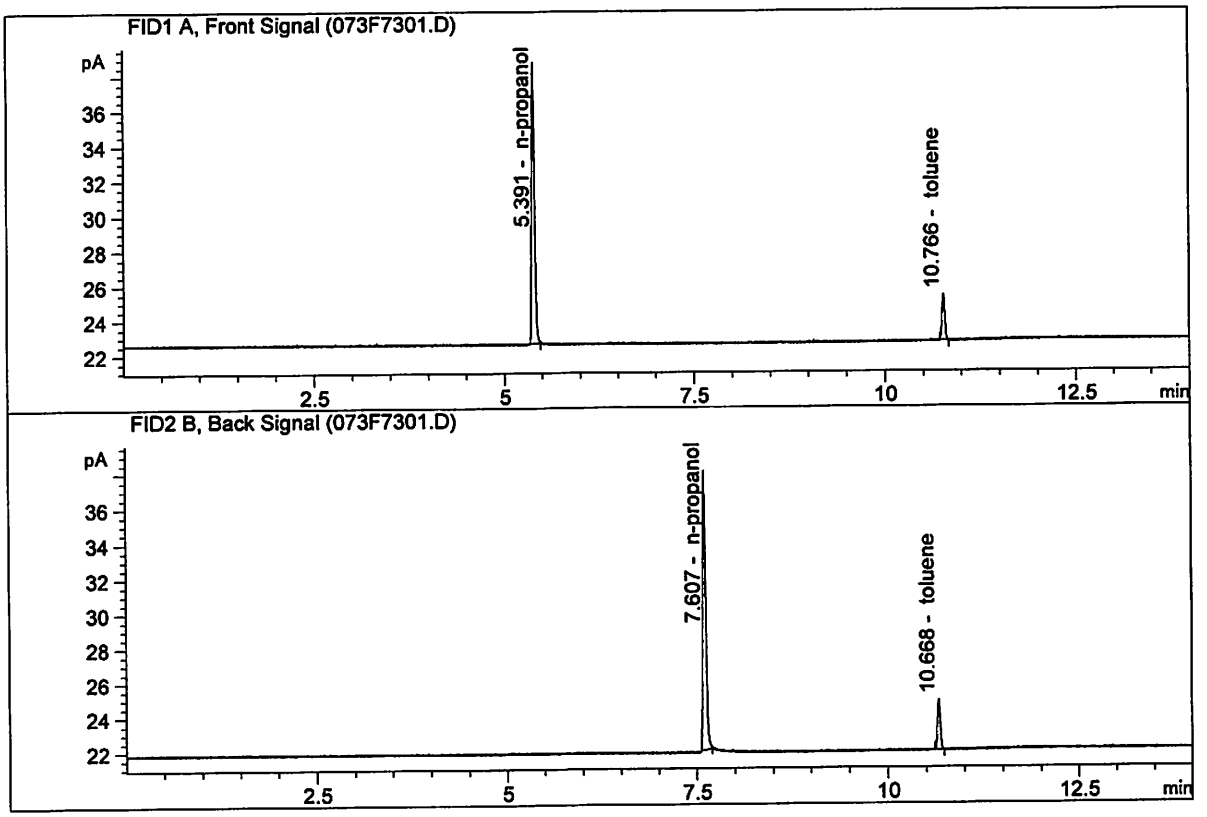


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	46.58818	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.39744	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

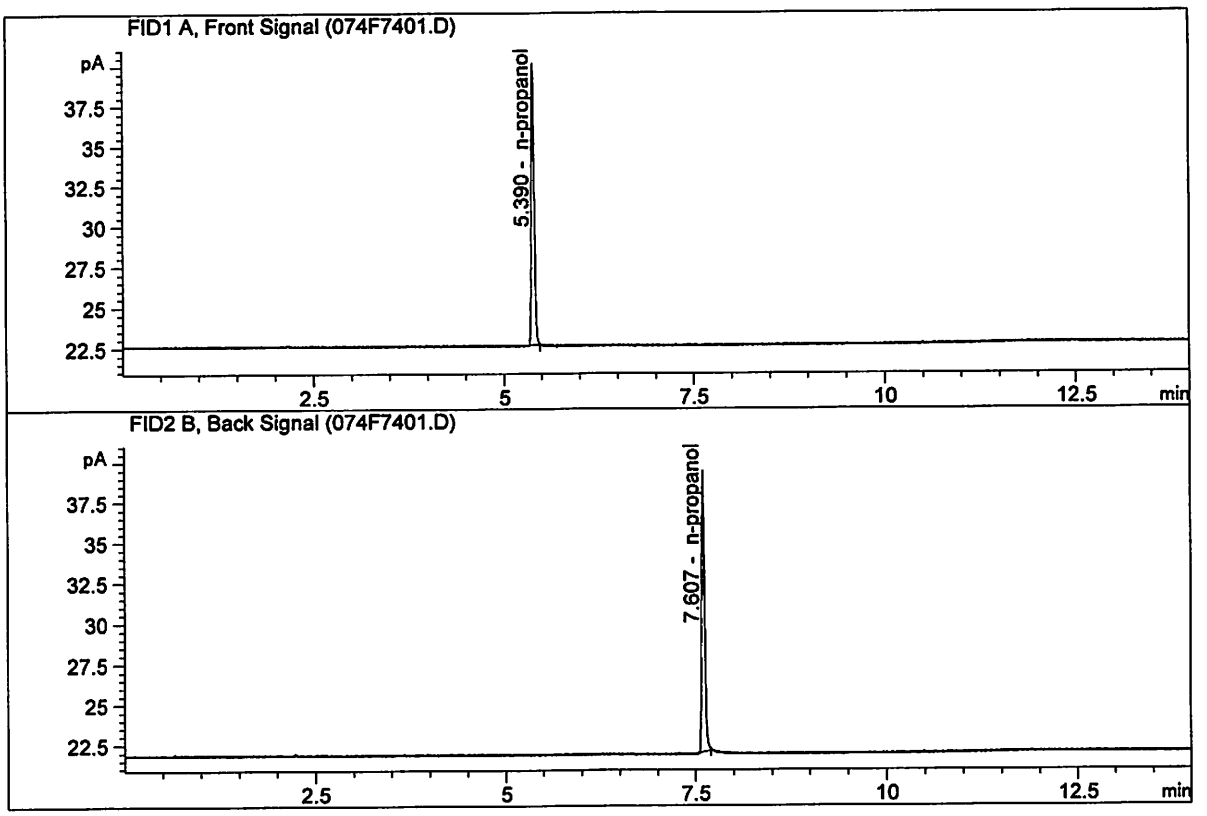
Sample Name : TOLUNE 02007
Laboratory : Meridian
Injection Date : Feb 13, 2021
Method : VOLATILES.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.19037	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.65217	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 6
Laboratory : Meridian
Injection Date : Feb 13, 2021
Method : VOLATILES.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:	45.57906	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.46610	1.0000	g/100cc

NB

Sample Summary

Sequence table: C:\Chem32\1\Data\02-12-21_SAMPLES\02-12-21_SAMPLES 2021-02-12 14-38-43\02-12-21_SAMPLES.S
Data directory path: C:\Chem32\1\Data\02-12-21_SAMPLES\02-12-21_SAMPLES 2021-02-12 14-38-43\
Logbook: C:\Chem32\1\Data\02-12-21_SAMPLES\02-12-21_SAMPLES 2021-02-12 14-38-43\02-12-21_SAMPLES.LOG
Sequence start: 2/12/2021 2:53:30 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\02-12-21_SAMPLES\02-12-21_SAMPLES 2021-02-12 14-38-43\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 FN071017	-	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	M2021-0471-1-A	-	1.0000	007F0701.D		4
8	8	1	M2021-0471-1-B	-	1.0000	008F0801.D		4
9	9	1	M2021-0478-1-A	-	1.0000	009F0901.D		4
10	10	1	M2021-0478-1-B	-	1.0000	010F1001.D		4
11	11	1	M2021-0479-1-A	-	1.0000	011F1101.D		4
12	12	1	M2021-0479-1-B	-	1.0000	012F1201.D		4
13	13	1	M2021-0480-1-A	-	1.0000	013F1301.D		4
14	14	1	M2021-0480-1-B	-	1.0000	014F1401.D		4
15	15	1	M2021-0481-1-A	-	1.0000	015F1501.D		4
16	16	1	M2021-0481-1-B	-	1.0000	016F1601.D		4
17	17	1	M2021-0500-1-A	-	1.0000	017F1701.D		4
18	18	1	M2021-0500-1-B	-	1.0000	018F1801.D		4
19	19	1	M2021-0501-1-A	-	1.0000	019F1901.D		4
20	20	1	M2021-0501-1-B	-	1.0000	020F2001.D		4
21	21	1	M2021-0502-1-A	-	1.0000	021F2101.D		4
22	22	1	M2021-0502-1-B	-	1.0000	022F2201.D		4
23	23	1	M2021-0503-1-A	-	1.0000	023F2301.D		4
24	24	1	M2021-0503-1-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	M2021-0532-2-A	-	1.0000	027F2701.D		4
28	28	1	M2021-0532-2-B	-	1.0000	028F2801.D		4
29	29	1	M2021-0533-1-A	-	1.0000	029F2901.D		4
30	30	1	M2021-0533-1-B	-	1.0000	030F3001.D		4
31	31	1	M2021-0540-1-A	-	1.0000	031F3101.D		4
32	32	1	M2021-0540-1-B	-	1.0000	032F3201.D		4
33	33	1	M2021-0580-1-A	-	1.0000	033F3301.D		4
34	34	1	M2021-0580-1-B	-	1.0000	034F3401.D		4
35	35	1	M2021-0581-1-A	-	1.0000	035F3501.D		4
36	36	1	M2021-0581-1-B	-	1.0000	036F3601.D		4
37	37	1	M2021-0583-1-A	-	1.0000	037F3701.D		2
38	38	1	M2021-0583-1-B	-	1.0000	038F3801.D		2
39	39	1	M2021-0598-1-A	-	1.0000	039F3901.D		4
40	40	1	M2021-0598-1-B	-	1.0000	040F4001.D		4
41	41	1	M2021-0599-1-A	-	1.0000	041F4101.D		4
42	42	1	M2021-0599-1-B	-	1.0000	042F4201.D		4
43	43	1	M2021-0636-1-A	-	1.0000	043F4301.D		4

Sequence File C:\Chem32\...1_SAMPLES\02-12-21_SAMPLES 2021-02-12 14-38-43\02-12-21_SAMPLES.S

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
44	44	1	M2021-0636-1-B	-	1.0000	044F4401.D		4
45	45	1	M2021-0640-1-A	-	1.0000	045F4501.D		4
46	46	1	M2021-0640-1-B	-	1.0000	046F4601.D		4
47	47	1	QC1-2-A	-	1.0000	047F4701.D		4
48	48	1	QC1-2-B	-	1.0000	048F4801.D		4
49	49	1	M2021-0660-1-A	-	1.0000	049F4901.D		4
50	50	1	M2021-0660-1-B	-	1.0000	050F5001.D		4
51	51	1	M2021-0660-2-A	-	1.0000	051F5101.D		4
52	52	1	M2021-0660-2-B	-	1.0000	052F5201.D		4
53	53	1	M2021-0660-3-A	-	1.0000	053F5301.D		4
54	54	1	M2021-0660-3-B	-	1.0000	054F5401.D		4
55	55	1	M2021-0660-4-A	-	1.0000	055F5501.D		4
56	56	1	M2021-0660-4-B	-	1.0000	056F5601.D		4
57	57	1	M2021-0666-1-A	-	1.0000	057F5701.D		2
58	58	1	M2021-0666-1-B	-	1.0000	058F5801.D		2
59	59	1	M2021-0670-1-A	-	1.0000	059F5901.D		4
60	60	1	M2021-0670-1-B	-	1.0000	060F6001.D		4
61	61	1	M2021-0671~~-1~~-A 2 NB 2/16/21	-	1.0000	061F6101.D		2
62	62	1	M2021-0671~~-1~~-B 2 NB 2/16/21	-	1.0000	062F6201.D		2
63	63	1	QC2-2-A	-	1.0000	063F6301.D		4
64	64	1	QC2-2-B	-	1.0000	064F6401.D		4
65	65	1	INTERNAL STD BLK	-	1.0000	065F6501.D		2
66	66	1	DFE 111914OM	-	1.0000	066F6601.D		2
67	67	1	INTERNAL STD BLK	-	1.0000	067F6701.D		2
68	68	1	TFE 111914	-	1.0000	068F6801.D		2
69	69	1	INTERNAL STD BLK	-	1.0000	069F6901.D		2

Method file name: C:\Chem32\1\Data\02-12-21_SAMPLES\02-12-21_SAMPLES 2021-02-12 14-38-43 \VOLATILES.M

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
70	70	1	M2021-0666-1-VOL	-	1.0000	070F7001.D		2
71	71	1	M2021-0666-1-VOL	-	1.0000	071F7101.D		2
72	72	1	INTERNAL STD BLK	-	1.0000	072F7201.D		2
73	73	1	TOLUNE 02007	-	1.0000	073F7301.D		4
74	74	1	INTERNAL STD BLK	-	1.0000	074F7401.D		2

Method file name: C:\Chem32\1\Data\02-12-21_SAMPLES\02-12-21_SAMPLES 2021-02-12 14-38-43 \SHUTDOWN.M

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
75	75	1	EMPTY	-	1.0000	075F7501.D		0