

Samples were originally run on 4/6/20-4/7/20. Due to instrument failure, the samples were re-extracted and rerun on 4/8/20-4/9/20.

All samples are digitally initialed due to remote workspace in response to COVID-19. The hardcopy will be initialed physically.

John Garner 4/9/20

REVIEWED

By Galina Giso at 3:23 pm, Apr 24, 2020

Actual review date is 04/11/2020

Forgot to stamp it at the time.

04/24/20 GG

GG

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): 04/08/20-04/09/20

Calibration Date(s): 04/08/20

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0721-0.0893	0.0827 g/100cc 0.0812 g/100cc g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1999 g/100cc 0.2020 g/100cc g/100cc
Multi-Component mixture:		Lot #	FN06041502		ok
Curve Fit:		Column 1	0.99998	Column2	0.99991

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0508	0.0526	0.0018	0.0517
100	0.100	0.090 - 0.110	0.1001	0.0998	0.0003	0.0999
200	0.200	0.180 - 0.220	0.1997	0.1984	0.0013	0.1990
300	0.300	0.270 - 0.330	0.2984	0.2970	0.0014	0.2977
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5010	0.5022	0.0012	0.5016

Aqueous Controls

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

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Worklist: 4155

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2020-1067	1	BCK	Alcohol Analysis	
M2020-1074	1	BCK	Alcohol Analysis	
M2020-1075	1	BCK	Alcohol Analysis	
M2020-1076	1	BCK	Alcohol Analysis	
M2020-1077	1	BCK	Alcohol Analysis	
M2020-1137	51	BCK	Alcohol Analysis	
M2020-1142	1	BCK	Alcohol Analysis	
M2020-1143	1	BCK	Alcohol Analysis	
M2020-1150	1	BCK	Alcohol Analysis	
M2020-1161	3	BCK	Alcohol Analysis	
M2020-1172	1	BCK	Alcohol Analysis	
M2020-1173	1	BCK	Alcohol Analysis	
M2020-1201	1	BCK	Alcohol Analysis	
M2020-1205	1	BCK	Alcohol Analysis	
M2020-1211	1	BCK	Alcohol Analysis	
M2020-1212	1	BCK	Alcohol Analysis	
M2020-1233	1	BCK	Alcohol Analysis	
M2020-1236	1	BCK	Alcohol Analysis	
M2020-1237	1	BCK	Alcohol Analysis	
P2020-1000	3	BCK	Alcohol Analysis	
P2020-1001	3	BCK	Alcohol Analysis	

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Calibration Table
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General Calibration Setting

Calib. Data Modified : Wednesday, April 08, 2020 2:41:43 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	4.38462	1.14035e-2	No	No 1	ethanol
		2	1.00000e-1	8.84425	1.13068e-2			
		3	2.00000e-1	17.69251	1.13042e-2			
		4	3.00000e-1	26.65864	1.12534e-2			
		5	5.00000e-1	44.75592	1.11717e-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	4.55445	1.09783e-2	No	No 2	ethanol
		2	1.00000e-1	9.11084	1.09759e-2			
		3	2.00000e-1	18.47311	1.08265e-2			
		4	3.00000e-1	28.06174	1.06907e-2			
		5	5.00000e-1	47.50863	1.05244e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	42.77816	2.33764e-2	No	Yes 1	n-propanol
		2	1.00000	43.08089	2.32121e-2			
		3	1.00000	42.85321	2.33355e-2			
		4	1.00000	43.10442	2.31995e-2			
		5	1.00000	42.99975	2.32560e-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	44.51813	2.24628e-2	No	Yes 2	n-propanol
		2	1.00000	44.47049	2.24868e-2			
		3	1.00000	44.10075	2.26753e-2			
		4	1.00000	44.34335	2.25513e-2			
		5	1.00000	44.06118	2.26957e-2			

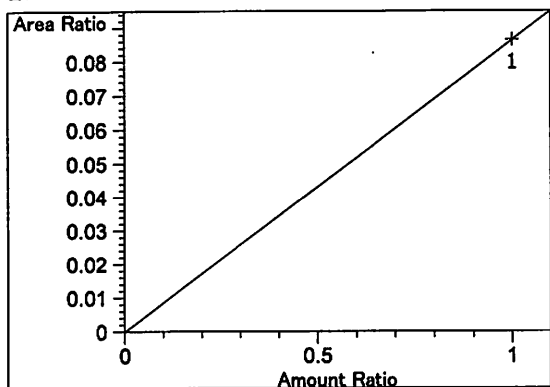
Peak Sum Table

No Entries in table

1 Warnings or Errors :

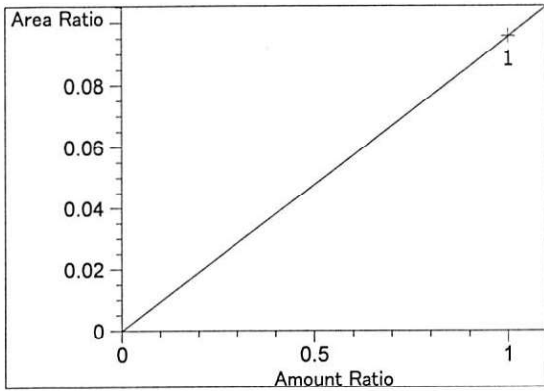
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

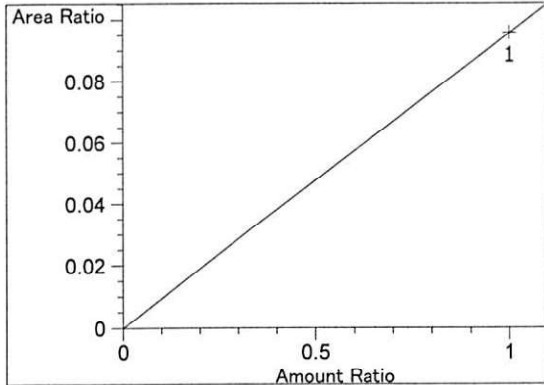


methanol at exp. RT: 2.586
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.64155e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

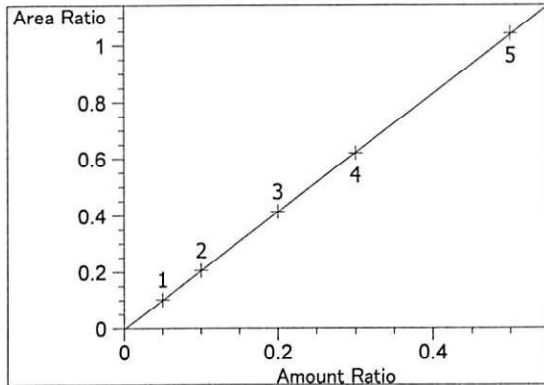
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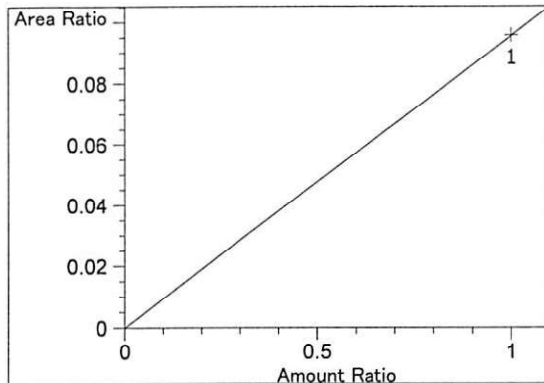
Acetaldehyde at exp. RT: 2.809
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: $9.57138e-2$
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



Acetaldehyde at exp. RT: 2.977
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: $9.57138e-2$
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

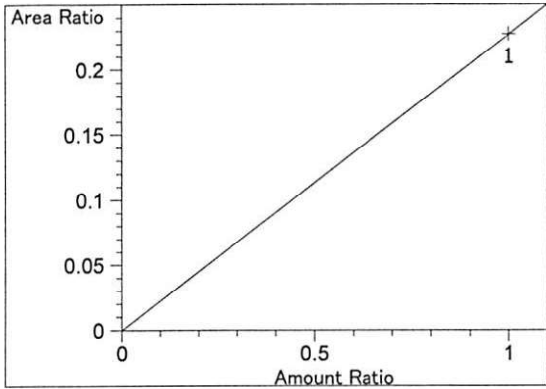


ethanol at exp. RT: 3.075
 FID1 A, Front Signal
 Correlation: 0.99998
 Residual Std. Dev.: 0.00254
 Formula: $y = mx + b$
 m: 2.08435
 b: $-3.40720e-3$
 x: Amount Ratio
 y: Area Ratio

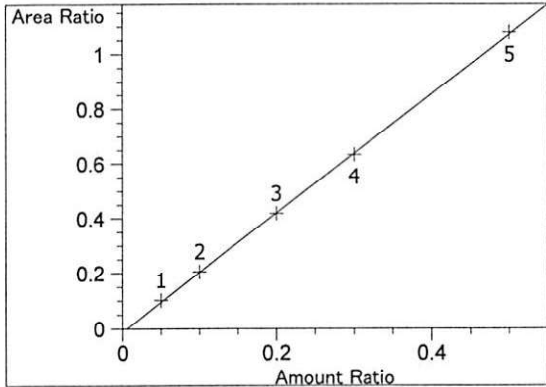


methanol at exp. RT: 3.388
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: $9.57054e-2$
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

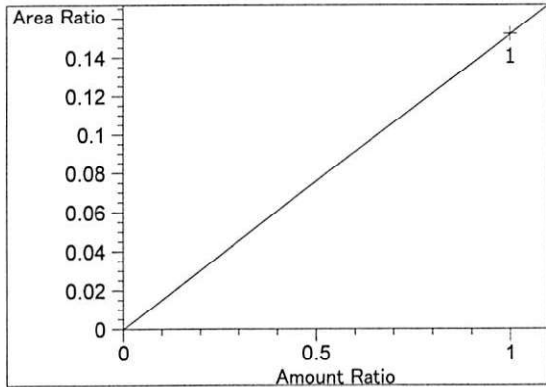
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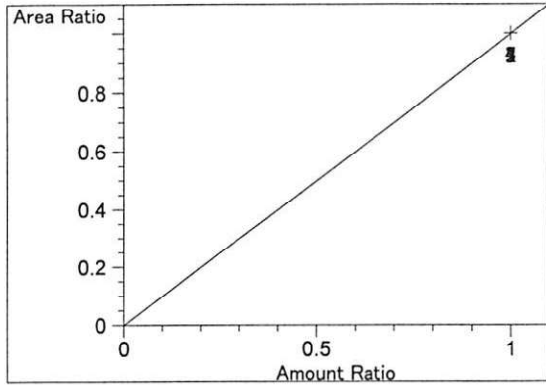
isopropyl alcohol at exp. RT: 3.628
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 2.27465e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



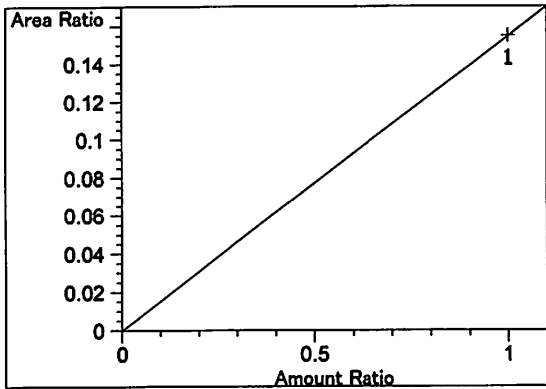
ethanol at exp. RT: 4.285
 FID2 B, Back Signal
 Correlation: 0.99991
 Residual Std. Dev.: 0.00601
 Formula: $y = mx + b$
 m: 2.17038
 b: -1.17600e-2
 x: Amount Ratio
 y: Area Ratio



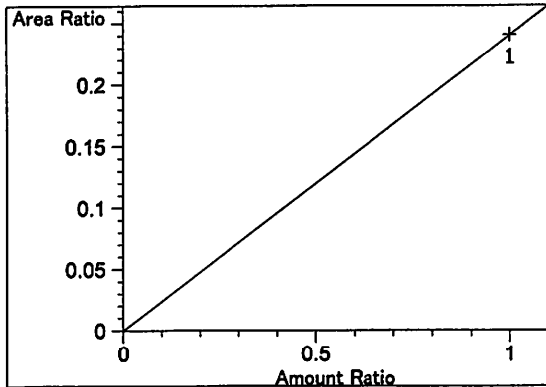
acetone at exp. RT: 4.308
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.51933e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



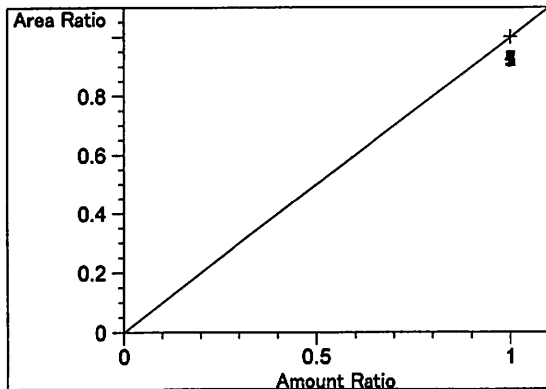
n-propanol at exp. RT: 4.620
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.00000
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.54836e-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: 2.40496e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

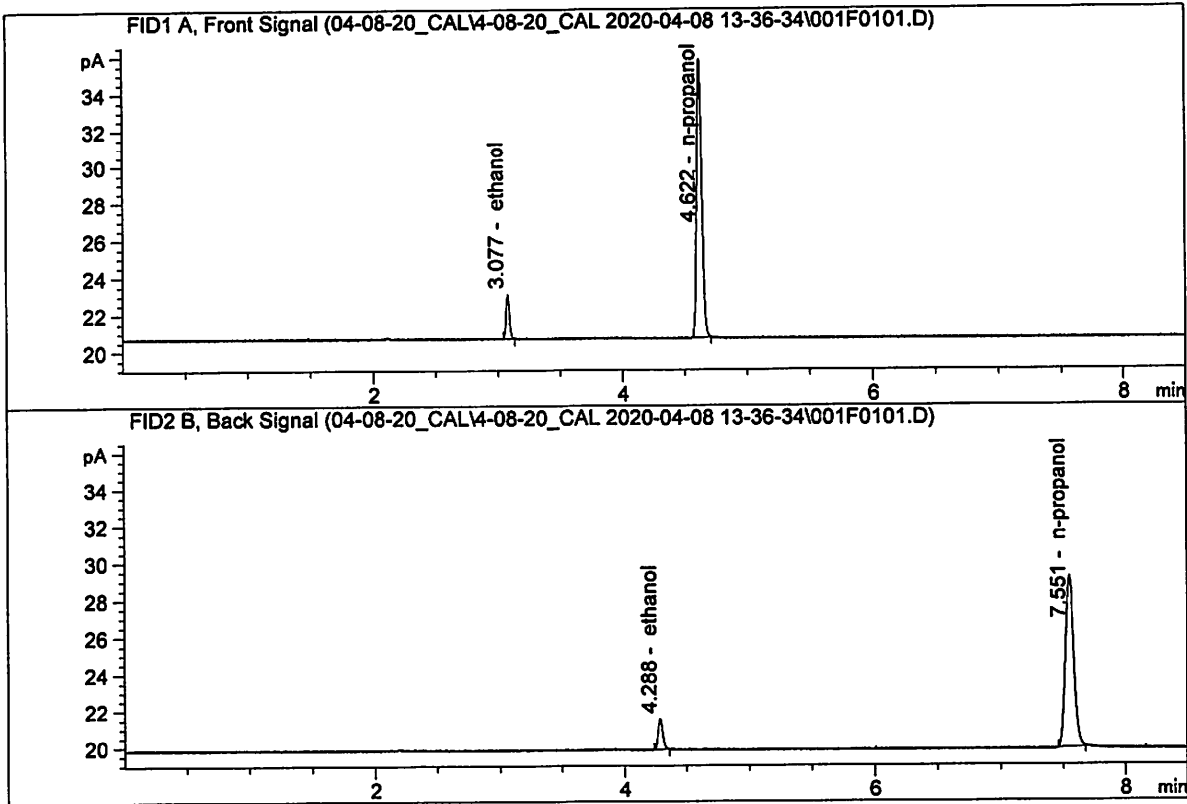


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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ISP Forensic Services Blood Alcohol Report

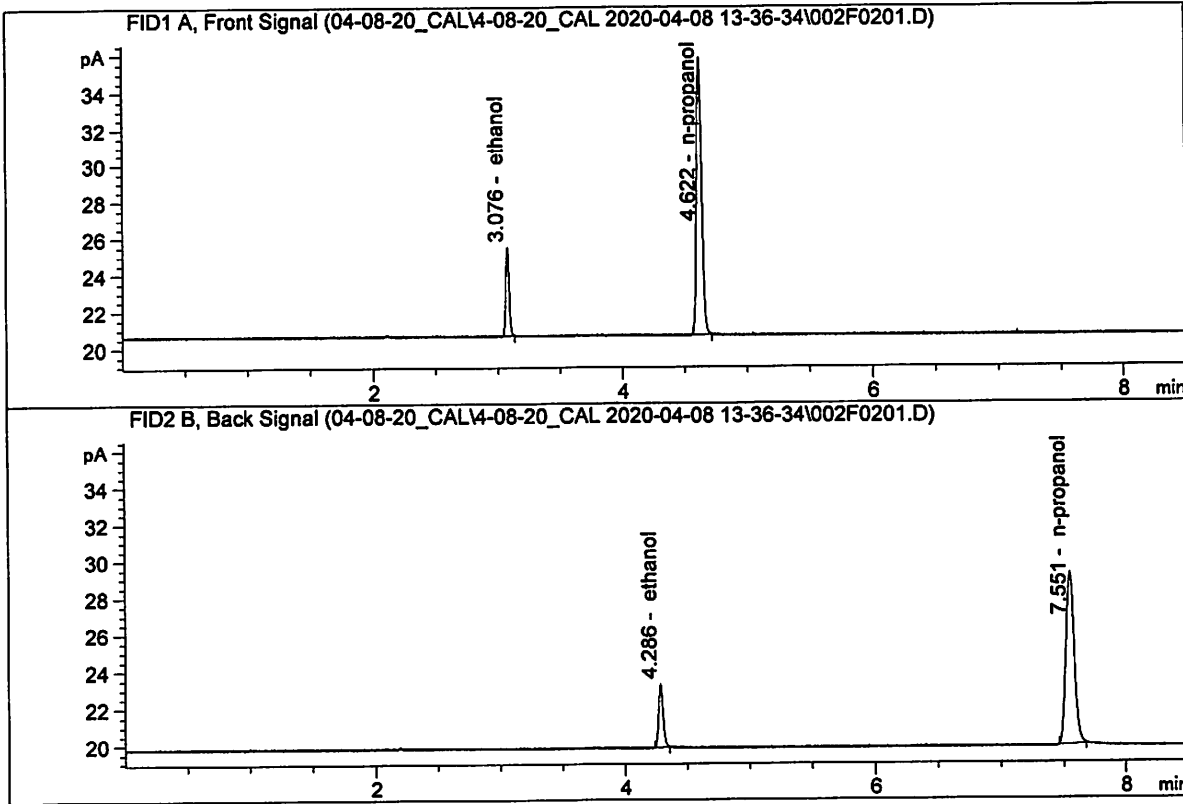
Sample Name : 0.050 FN05211804
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.38462	0.0508	g/100cc
2.	Ethanol	Column 2:	4.55445	0.0526	g/100cc
3.	n-Propanol	Column 1:	42.77816	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.51813	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

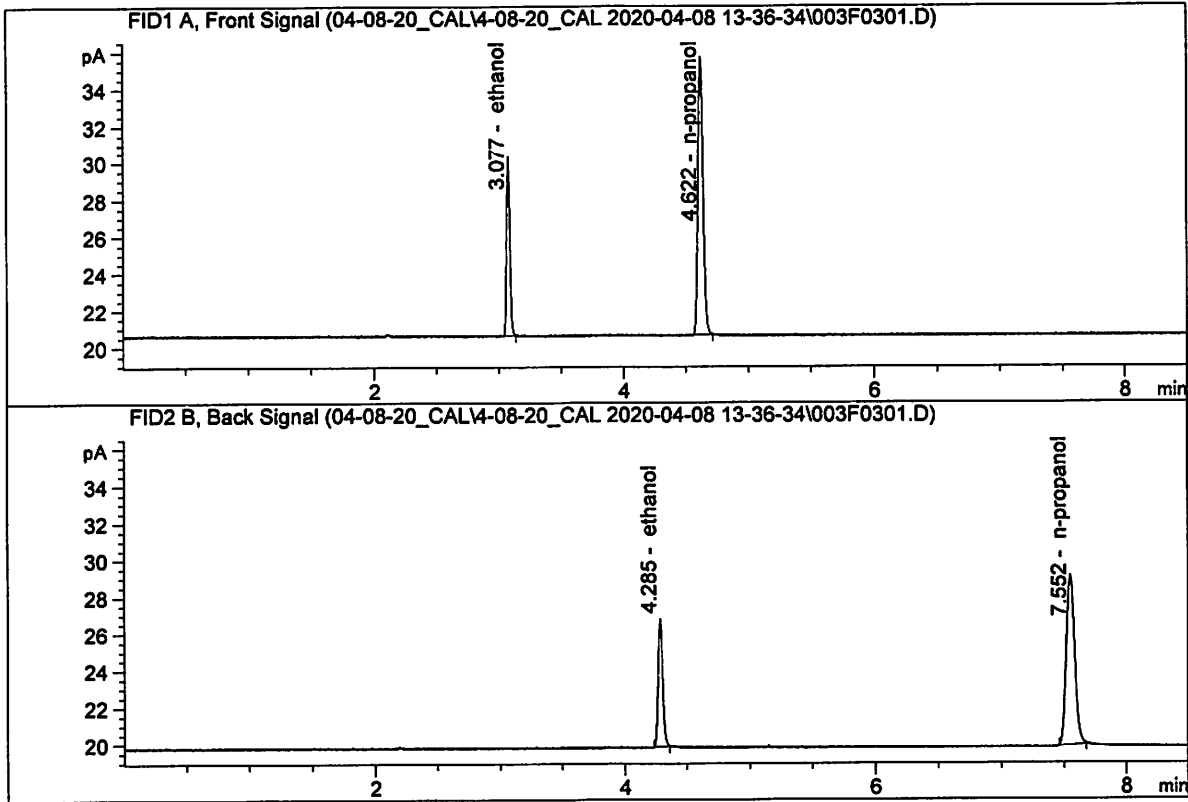
Sample Name : 0.100 FN02271802
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.84425	0.1001	g/100cc
2.	Ethanol	Column 2:	9.11084	0.0998	g/100cc
3.	n-Propanol	Column 1:	43.08089	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.47049	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

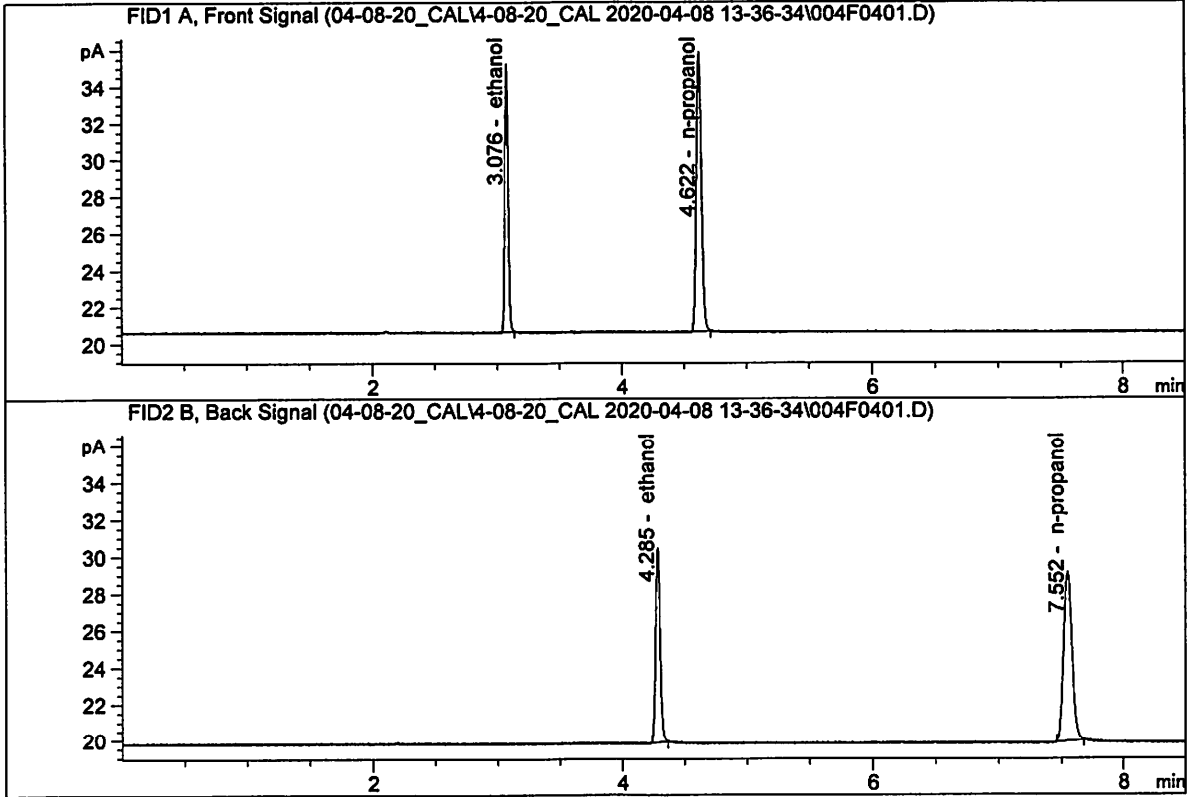
Sample Name : 0.200 FN06231704
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.69251	0.1997	g/100cc
2.	Ethanol	Column 2:	18.47311	0.1984	g/100cc
3.	n-Propanol	Column 1:	42.85321	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.10075	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

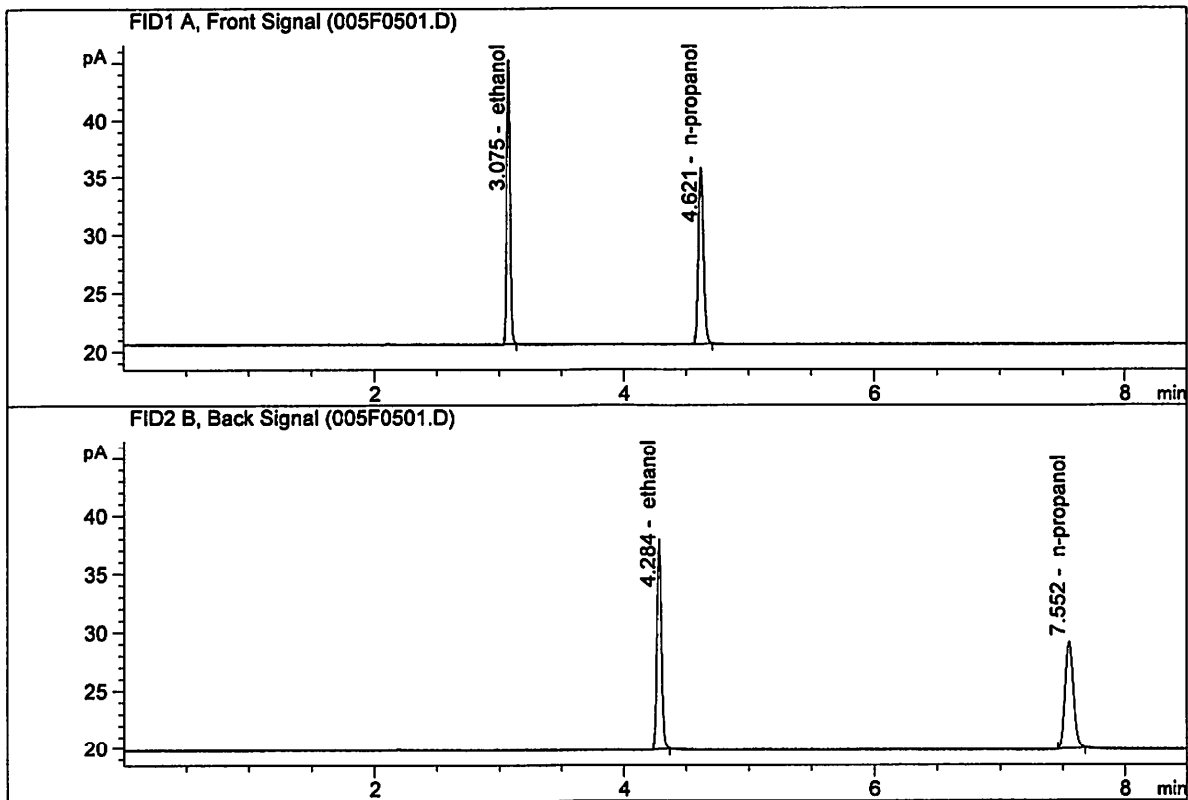
Sample Name : 0.300 FN07311804
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.65864	0.2984	g/100cc
2.	Ethanol	Column 2:	28.06174	0.2970	g/100cc
3.	n-Propanol	Column 1:	43.10442	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.34335	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

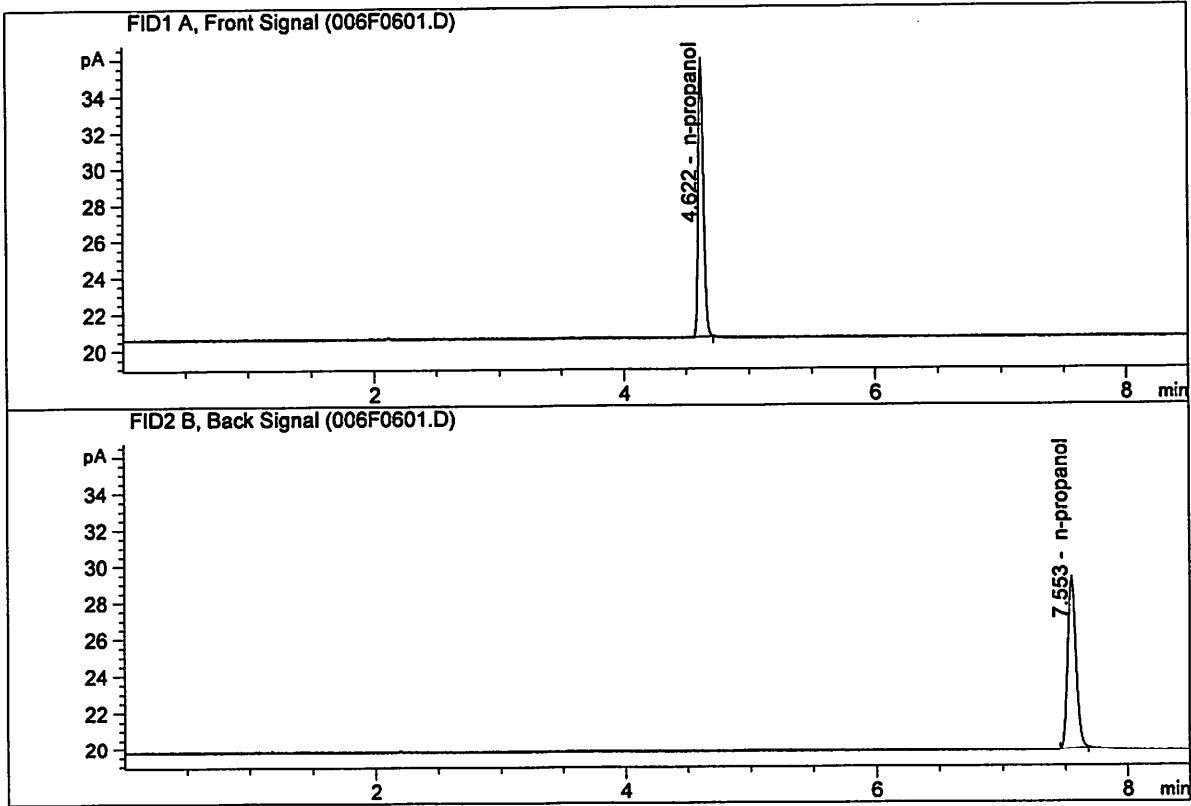
Sample Name : 0.500 FN08031602
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.75592	0.5010	g/100cc
2.	Ethanol	Column 2:	47.50863	0.5022	g/100cc
3.	n-Propanol	Column 1:	42.99975	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.06118	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : Apr 8, 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:	43.54275	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.73439	1.0000	g/100cc

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\Data\04-08-20_CAL\4-08-20_CAL 2020-04-08 13-36-34\4-08-20_CAL
S
Data directory path: C:\Chem32\1\Data\04-08-20_CAL\4-08-20_CAL 2020-04-08 13-36-34\
Logbook: C:\Chem32\1\Data\04-08-20_CAL\4-08-20_CAL 2020-04-08 13-36-34\4-08-20_CAL
LOG
Sequence start: 4/8/2020 1:51:11 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

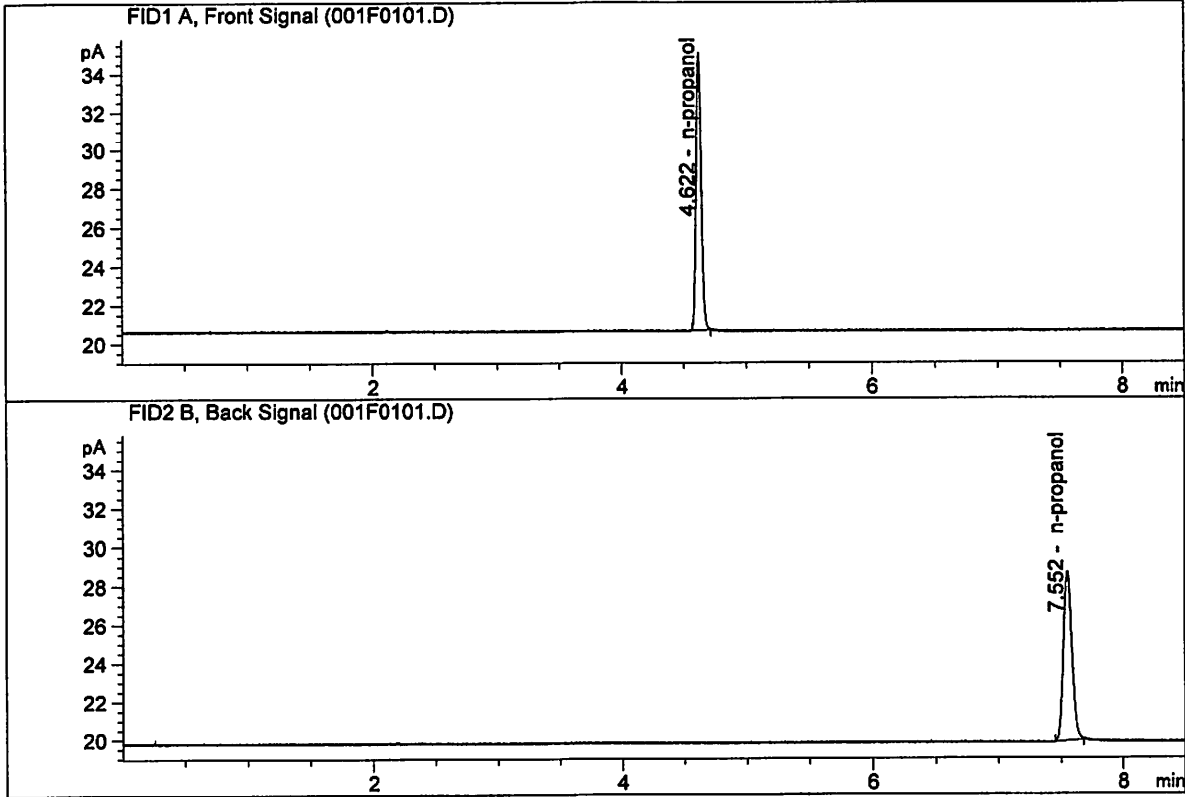
Method file name: C:\Chem32\1\Data\04-08-20_CAL\4-08-20_CAL 2020-04-08 13-36-34\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	0.050 FN05211804	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN02271802	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN06231704	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN07311804	-	1.0000	004F0401.D	*	4
5	5	1	0.500 FN08031602	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

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ISP Forensic Services Blood Alcohol Report

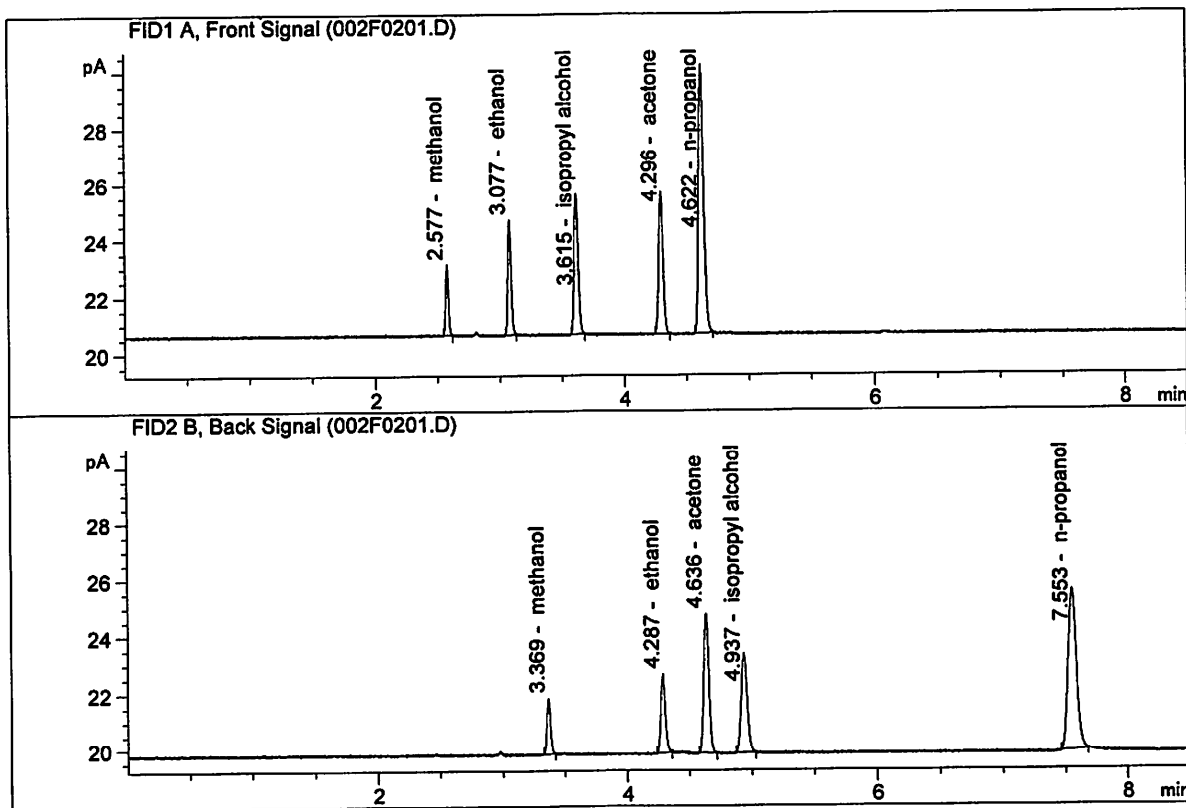
Sample Name : INTERNAL STD BLK 1
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	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:	40.92539	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.37543	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.25251	0.1307	g/100cc
2.	Ethanol	Column 2:	7.44466	0.1312	g/100cc
3.	n-Propanol	Column 1:	26.96088	1.0000	g/100cc
4.	n-Propanol	Column 2:	27.27583	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 08 Apr 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0847	0.0855	0.0008	0.0851	0.0047	0.0827
(g/100cc)	0.0800	0.0808	0.0008	0.0804		

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
0.082	0.077	0.087	0.005

Reported Result	
0.082	

Calibration and control data are stored centrally.

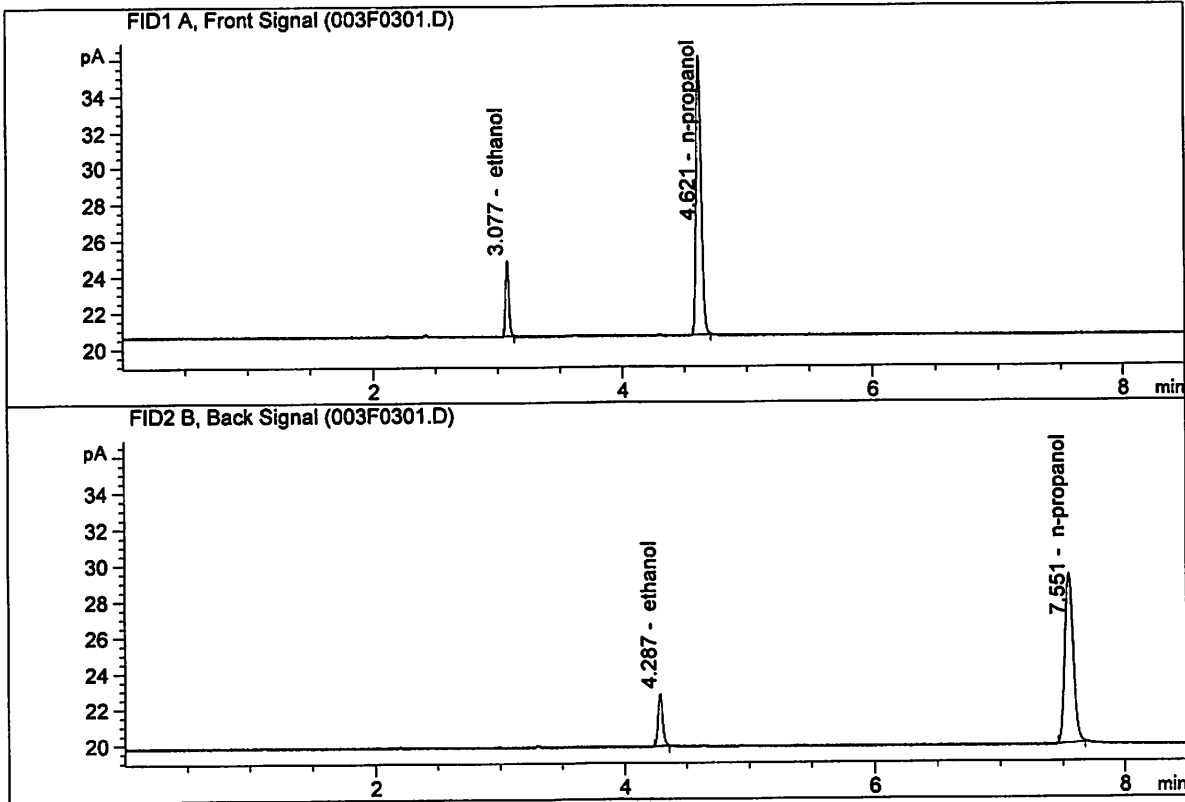
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Revision: 2

Issue Date: 12/23/2019

ISP Forensic Services Blood Alcohol Report

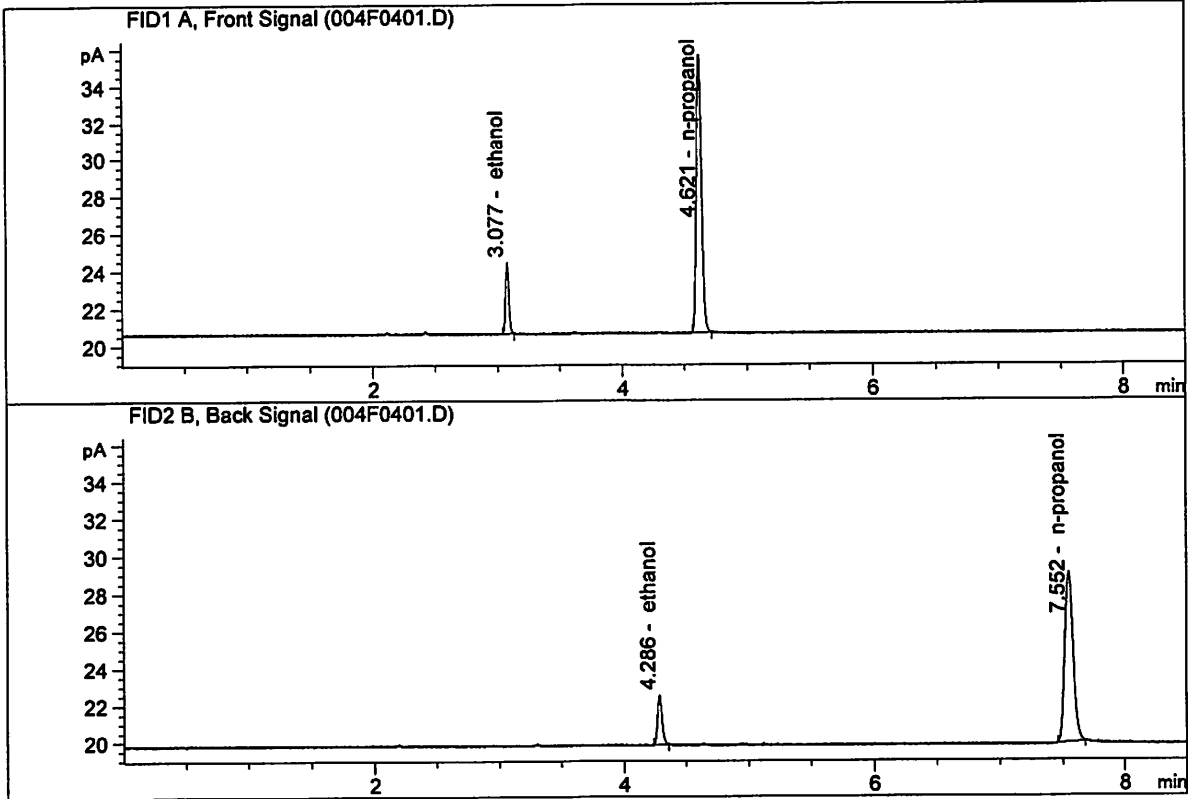
Sample Name : QC1-1-A
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.60097	0.0847	g/100cc
2.	Ethanol	Column 2:	7.83785	0.0855	g/100cc
3.	n-Propanol	Column 1:	43.89588	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.08832	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.97374	0.0800	g/100cc
2.	Ethanol	Column 2:	7.15641	0.0808	g/100cc
3.	n-Propanol	Column 1:	42.70757	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.74144	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701

Analysis Date(s): 08 Apr 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0805	0.0806	0.0001	0.0805	0.0003	0.0806
(g/100cc)	0.0805	0.0811	0.0006	0.0808		

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.

JG

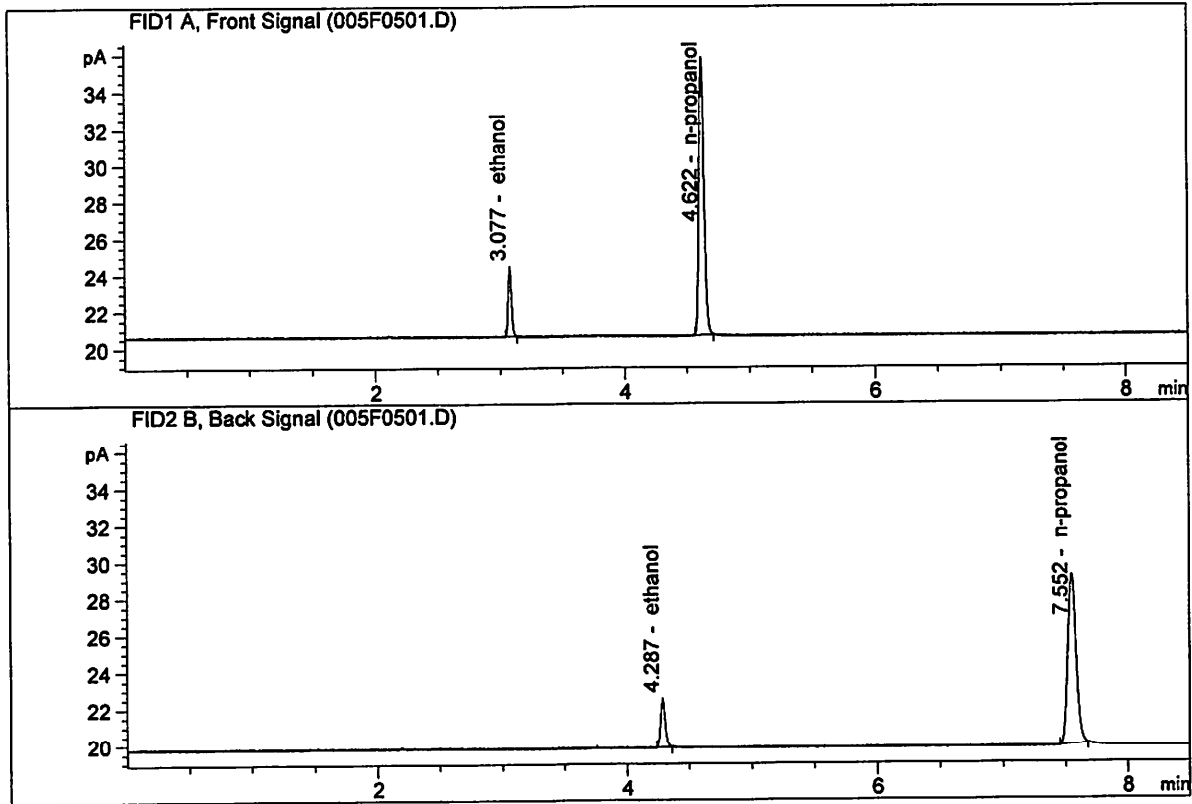
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

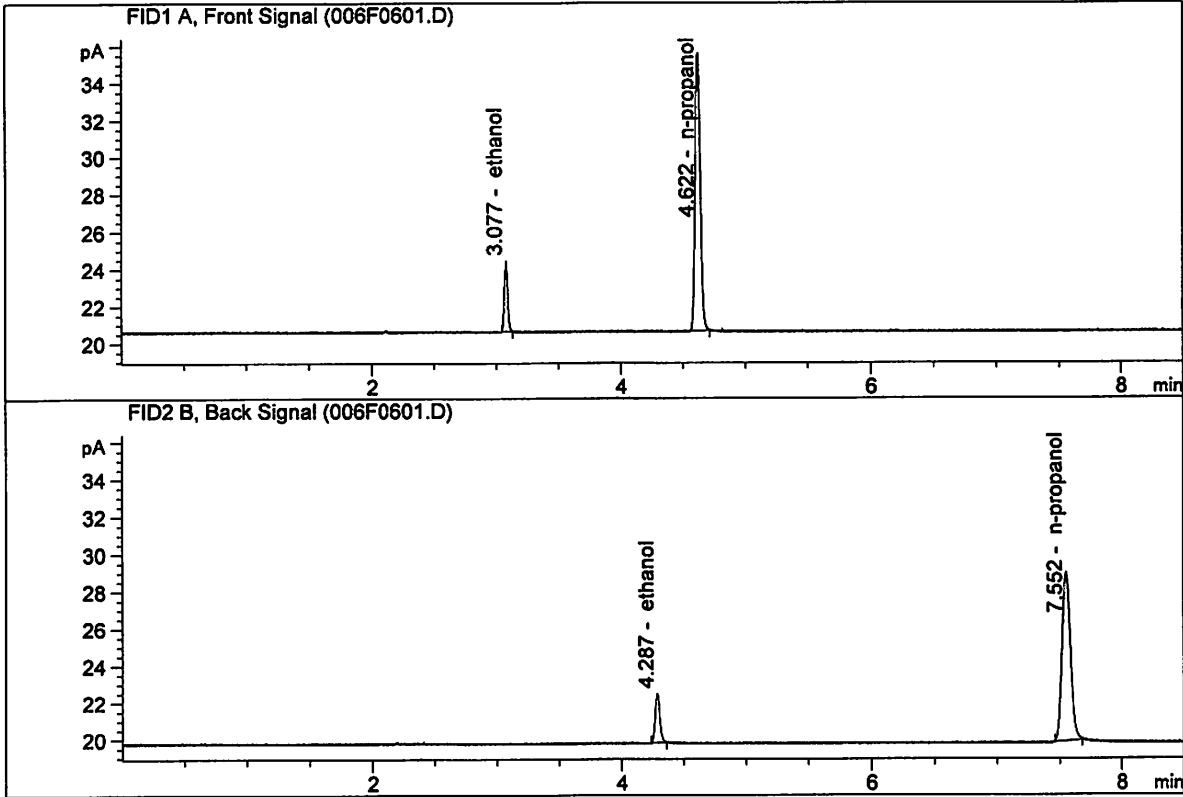
Sample Name : 0.08 FN04171701-A
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.09727	0.0805	g/100cc
2.	Ethanol	Column 2:	7.23343	0.0806	g/100cc
3.	n-Propanol	Column 1:	43.20134	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.33181	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.01239	0.0805	g/100cc
2.	Ethanol	Column 2:	7.16396	0.0811	g/100cc
3.	n-Propanol	Column 1:	42.63627	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.61488	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 08 Apr 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2002	0.1999	0.0003	0.2000	0.0002	0.1999
(g/100cc)	0.2007	0.1990	0.0017	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.

19

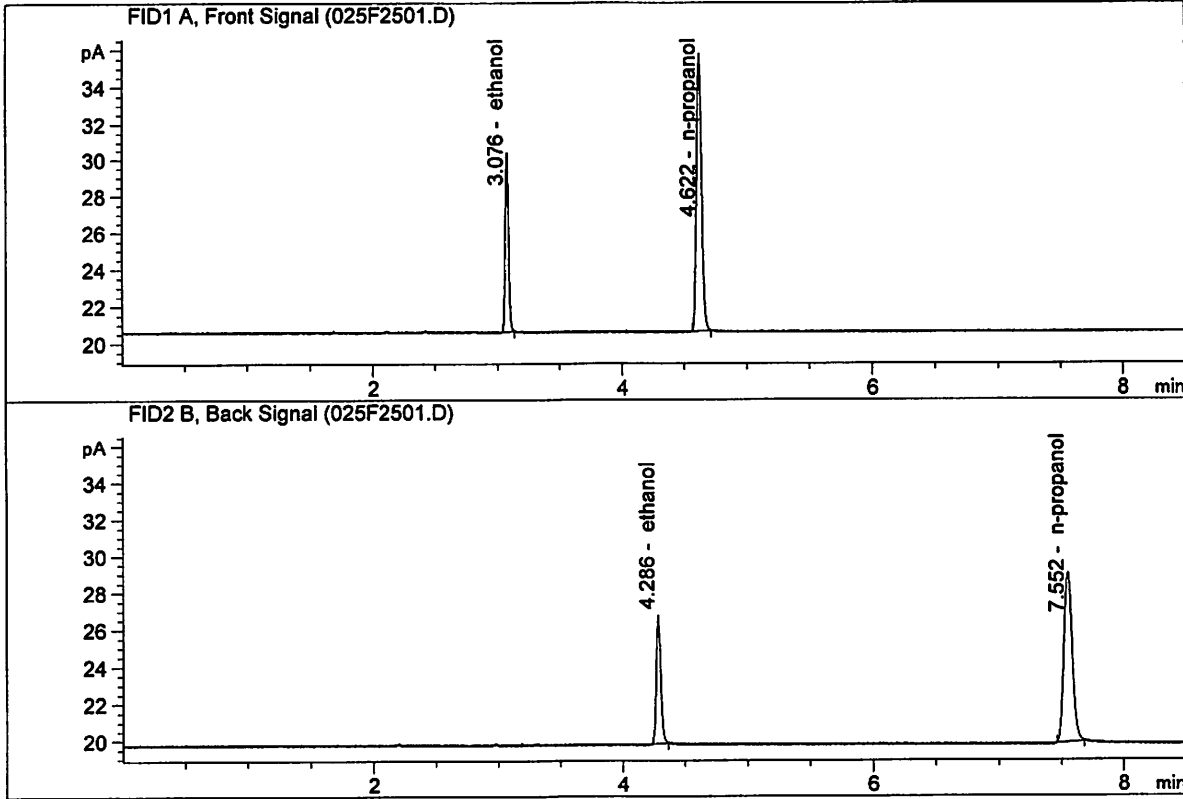
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

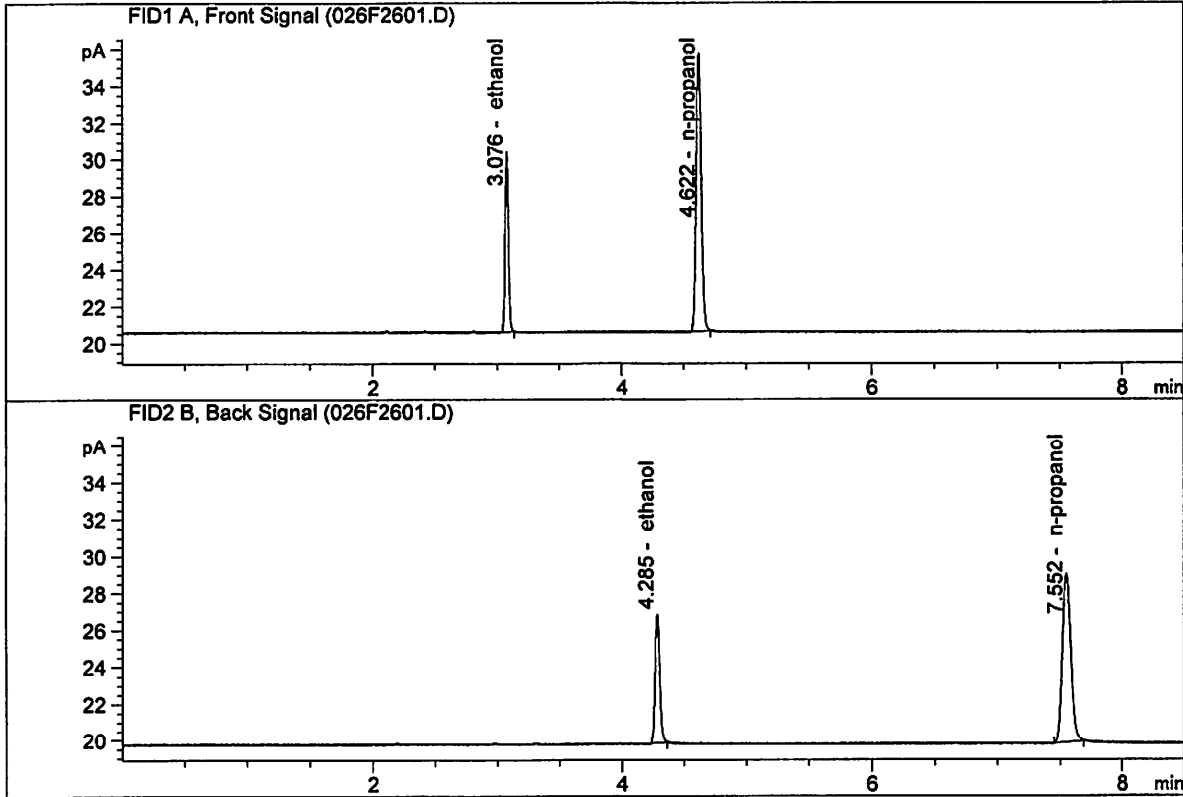
Sample Name : QC2-1-A
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.79191	0.2002	g/100cc
2.	Ethanol	Column 2:	18.49183	0.1999	g/100cc
3.	n-Propanol	Column 1:	42.98109	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.80084	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Meridian
 Injection Date : Apr 8, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.87870	0.2007	g/100cc
2.	Ethanol	Column 2:	18.57373	0.1990	g/100cc
3.	n-Propanol	Column 1:	43.08271	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.19885	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 09 Apr 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0811	0.0821	0.0010	0.0816	0.0008	0.0812
(g/100cc)	0.0804	0.0812	0.0008	0.0808		

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
0.081	0.076	0.086	0.005

Reported Result	
0.081	

Calibration and control data are stored centrally.

19

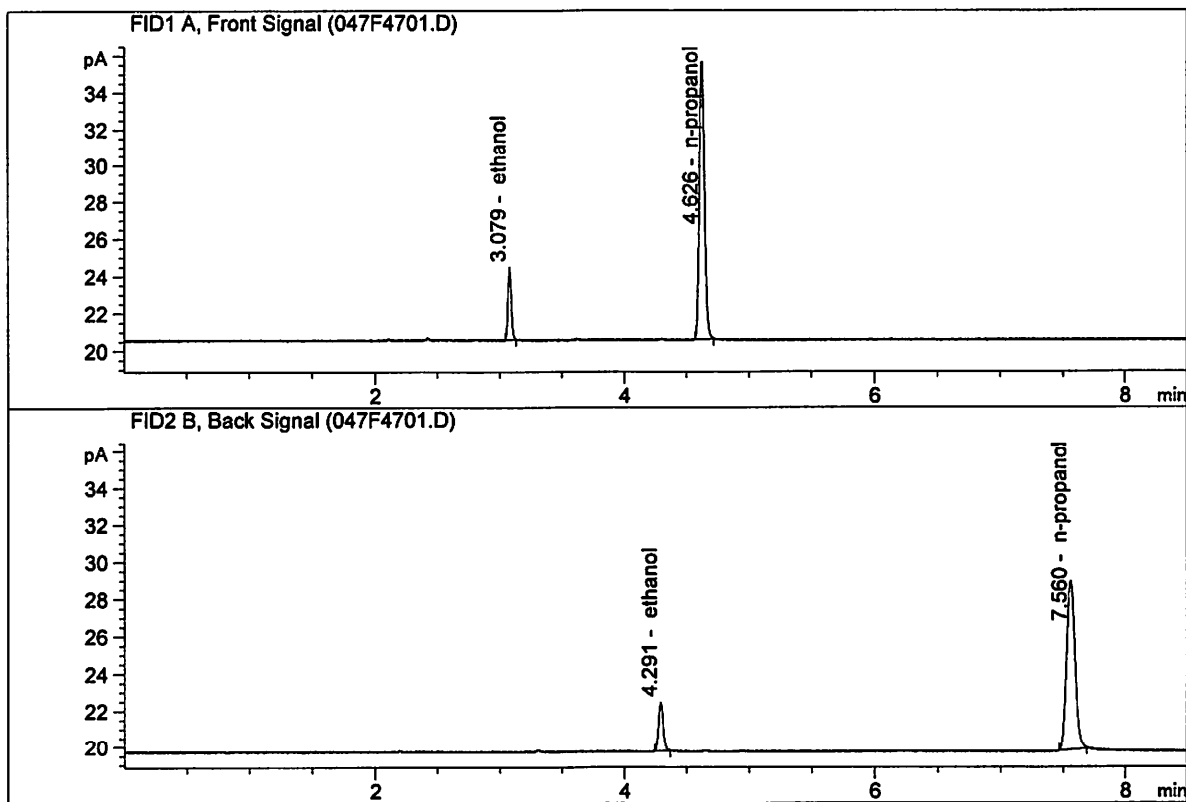
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

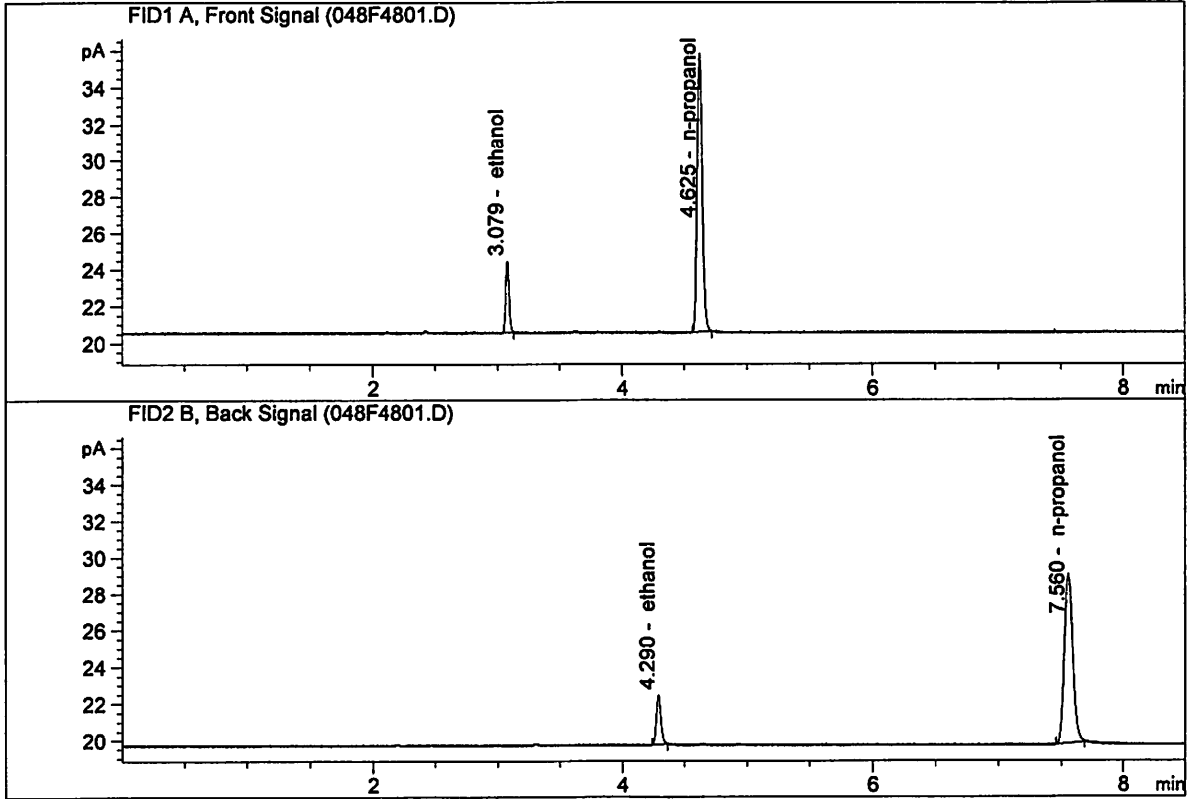
Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : Apr 9, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.11152	0.0811	g/100cc
2.	Ethanol	Column 2:	7.28397	0.0821	g/100cc
3.	n-Propanol	Column 1:	42.93304	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.77266	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : Apr 9, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.12843	0.0804	g/100cc
2.	Ethanol	Column 2:	7.29552	0.0812	g/100cc
3.	n-Propanol	Column 1:	43.42547	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.33210	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2

Analysis Date(s): 09 Apr 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2010	0.2006	0.0004	0.2008	0.0024	0.2020
(g/100cc)	0.2033	0.2031	0.0002	0.2032		

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
0.202	0.191	0.213	0.011

Reported Result	
0.202	

Calibration and control data are stored centrally.

19

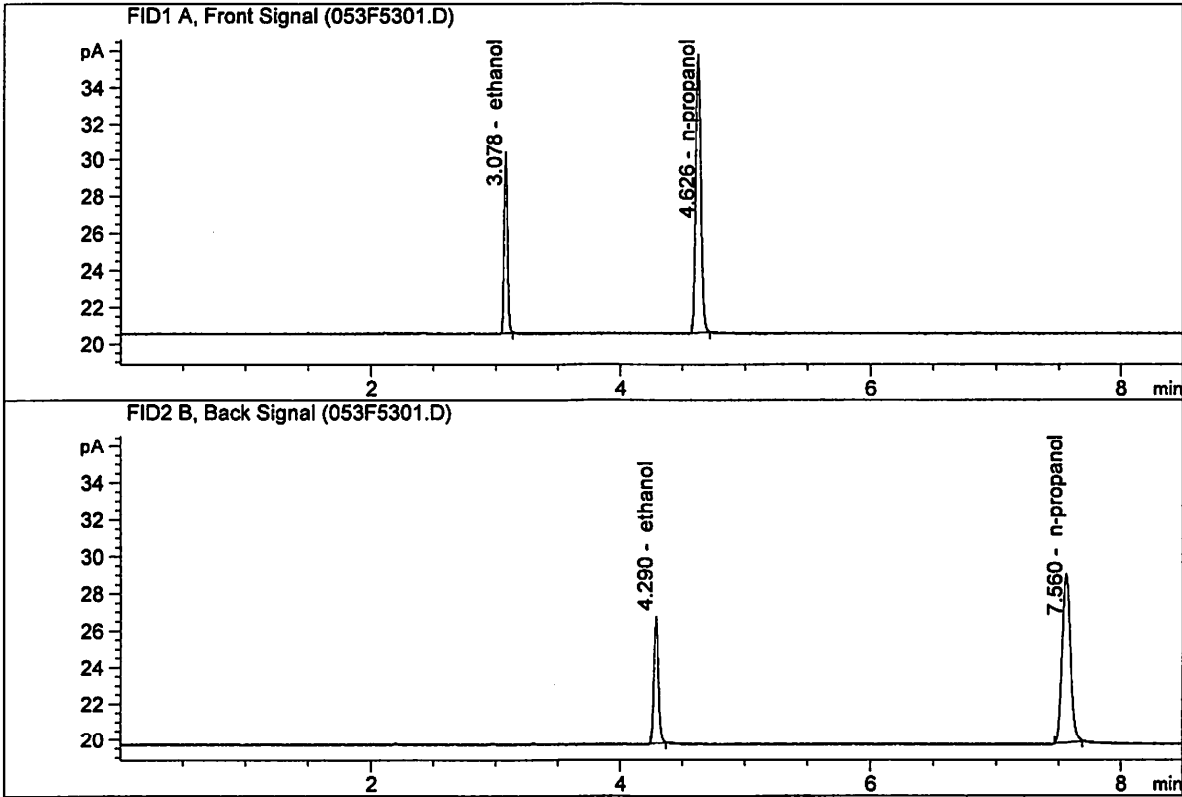
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

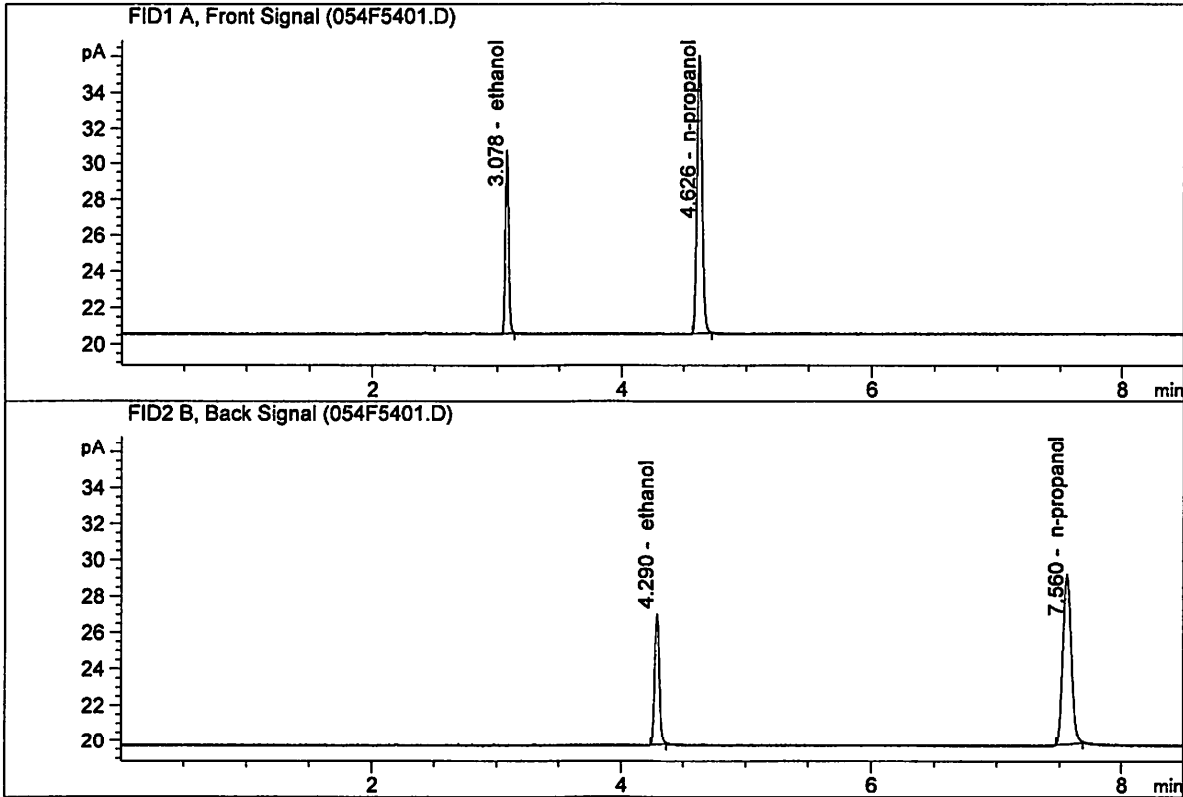
Sample Name : QC2-2-A
 Laboratory : Meridian
 Injection Date : Apr 9, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.99846	0.2010	g/100cc
2.	Ethanol	Column 2:	18.71383	0.2006	g/100cc
3.	n-Propanol	Column 1:	43.30718	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.17769	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

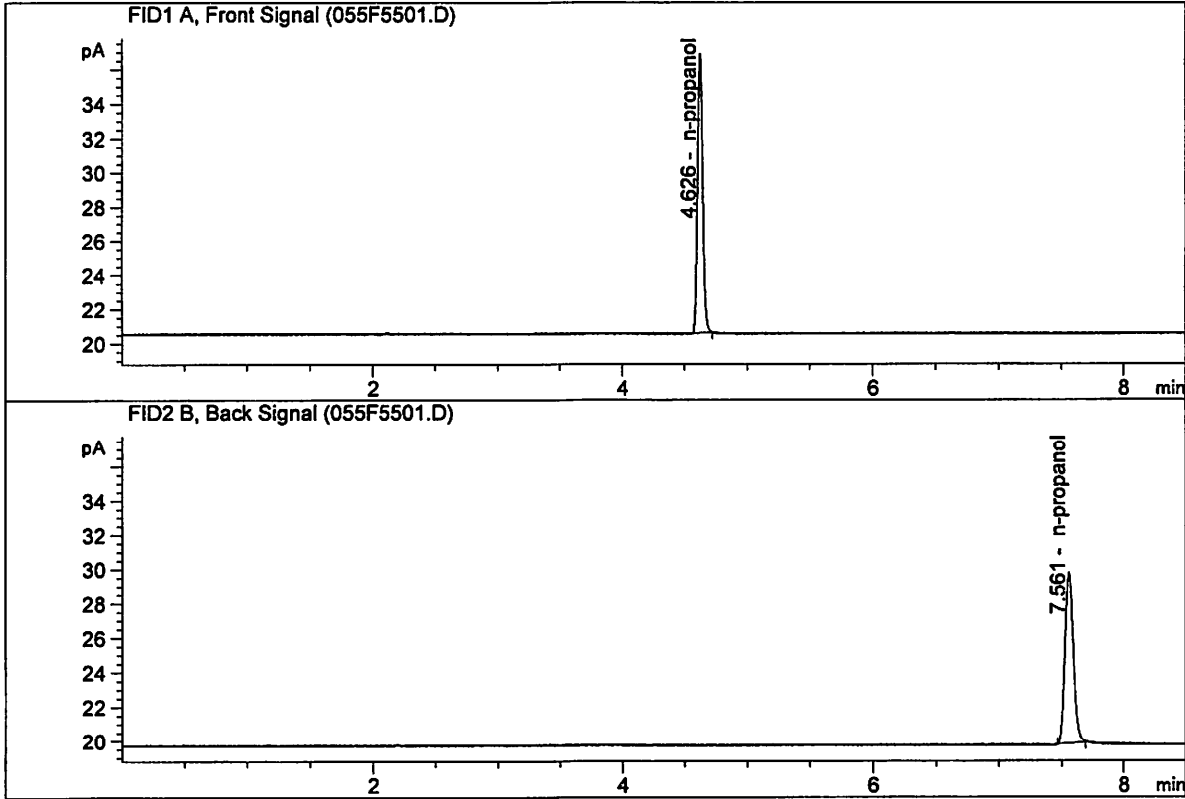
Sample Name : QC2-2-B
 Laboratory : Meridian
 Injection Date : Apr 9, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.48647	0.2033	g/100cc
2.	Ethanol	Column 2:	19.20148	0.2031	g/100cc
3.	n-Propanol	Column 1:	43.98486	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.76506	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

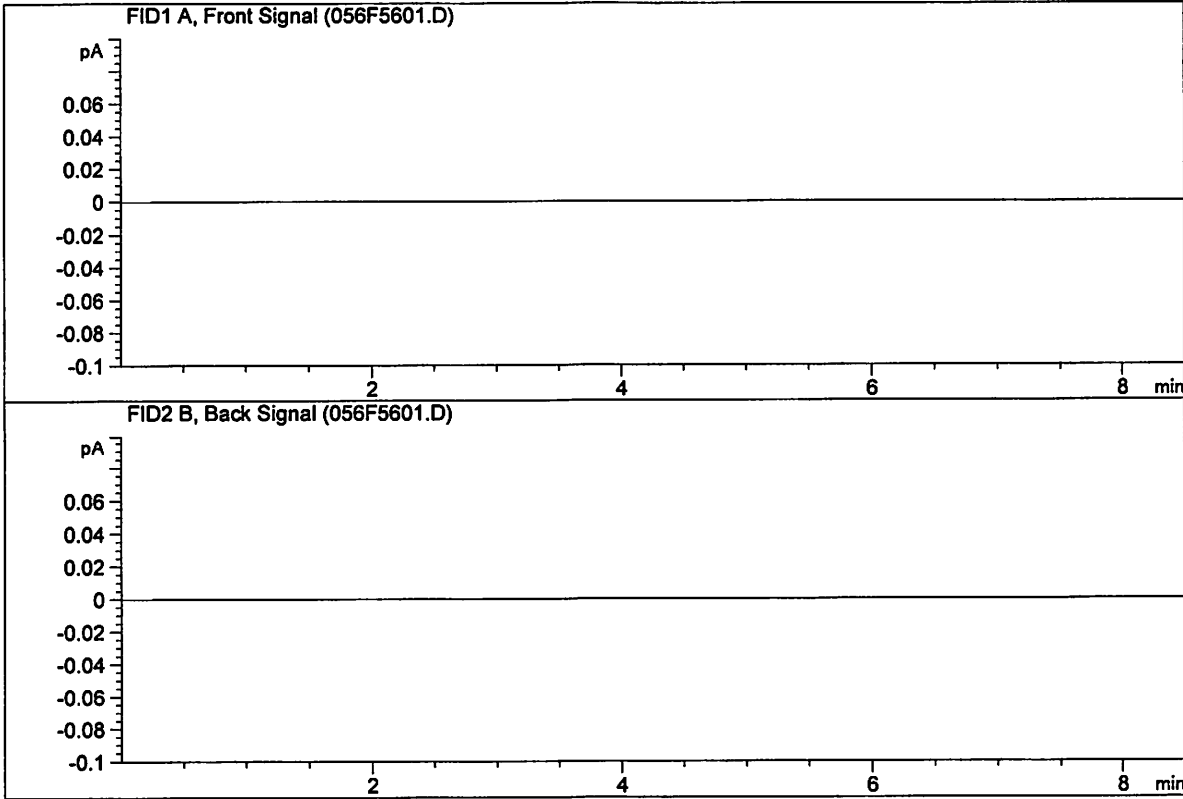
Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Apr 9, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	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:	46.36216	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.52040	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : EMPTY
 Laboratory : Meridian
 Injection Date : Apr 9, 2020
 Method : SHUTDOWN.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:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\Data\04-08-20-2_SAMPLES\04-08-20-2_SAMPLES 2020-04-08 15-49-2
 \04-08-20-2_SAMPLES.S
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 \04-08-20-2_SAMPLES.LOG
 Logbook: C:\Chem32\1\Data\04-08-20-2_SAMPLES\04-08-20-2_SAMPLES 2020-04-08 15-49-2
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 Operator: SYSTEM
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 \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	M2020-1067-1-A	-	1.0000	007F0701.D		4
8	8	1	M2020-1067-1-B	-	1.0000	008F0801.D		4
9	9	1	M2020-1074-1-A	-	1.0000	009F0901.D		4
10	10	1	M2020-1074-1-B	-	1.0000	010F1001.D		4
11	11	1	M2020-1075-1-A	-	1.0000	011F1101.D		4
12	12	1	M2020-1075-1-B	-	1.0000	012F1201.D		4
13	13	1	M2020-1076-1-A	-	1.0000	013F1301.D		4
14	14	1	M2020-1076-1-B	-	1.0000	014F1401.D		4
15	15	1	M2020-1077-1-A	-	1.0000	015F1501.D		4
16	16	1	M2020-1077-1-B	-	1.0000	016F1601.D		4
17	17	1	M2020-1137-51-A	-	1.0000	017F1701.D		2
18	18	1	M2020-1137-51-B	-	1.0000	018F1801.D		2
19	19	1	M2020-1142-1-A	-	1.0000	019F1901.D		4
20	20	1	M2020-1142-1-B	-	1.0000	020F2001.D		4
21	21	1	M2020-1143-1-A	-	1.0000	021F2101.D		6
22	22	1	M2020-1143-1-B	-	1.0000	022F2201.D		6
23	23	1	M2020-1150-1-A	-	1.0000	023F2301.D		4
24	24	1	M2020-1150-1-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	M2020-1161-3-A	-	1.0000	027F2701.D		4
28	28	1	M2020-1161-3-B	-	1.0000	028F2801.D		4
29	29	1	M2020-1172-1-A	-	1.0000	029F2901.D		4
30	30	1	M2020-1172-1-B	-	1.0000	030F3001.D		4
31	31	1	M2020-1173-1-A	-	1.0000	031F3101.D		4
32	32	1	M2020-1173-1-B	-	1.0000	032F3201.D		4
33	33	1	M2020-1201-1-A	-	1.0000	033F3301.D		4
34	34	1	M2020-1201-1-B	-	1.0000	034F3401.D		4
35	35	1	M2020-1205-1-A	-	1.0000	035F3501.D		4
36	36	1	M2020-1205-1-B	-	1.0000	036F3601.D		4
37	37	1	M2020-1211-1-A	-	1.0000	037F3701.D		4
38	38	1	M2020-1211-1-B	-	1.0000	038F3801.D		4
39	39	1	M2020-1212-1-A	-	1.0000	039F3901.D		4
40	40	1	M2020-1212-1-B	-	1.0000	040F4001.D		4
41	41	1	M2020-1233-1-A	-	1.0000	041F4101.D		2
42	42	1	M2020-1233-1-B	-	1.0000	042F4201.D		2

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Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #
							Cmp
43	43	1	M2020-1236-1-A	-	1.0000	043F4301.D	4
44	44	1	M2020-1236-1-B	-	1.0000	044F4401.D	4
45	45	1	M2020-1237-1-A	-	1.0000	045F4501.D	4
46	46	1	M2020-1237-1-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	P2020-1000-3-A	-	1.0000	049F4901.D	2
50	50	1	P2020-1000-3-B	-	1.0000	050F5001.D	2
51	51	1	P2020-1001-3-A	-	1.0000	051F5101.D	2
52	52	1	P2020-1001-3-B	-	1.0000	052F5201.D	2
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\04-08-20-2_SAMPLES\04-08-20-2_SAMPLES 2020-04-08 15-49-2 \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

19