

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 600A Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls Run Date(s): 7/26/19

Calibration Date: 7/19/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0776 g/100cc	
					0.0803 g/100cc	
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2040 g/100cc	
					0.2129 g/100cc	
Multi-Component mixture:		Sep-20	Lot #	FN06041502	ok	
Curve Fit:			Column 1	1.00000	Column 2	0.99997

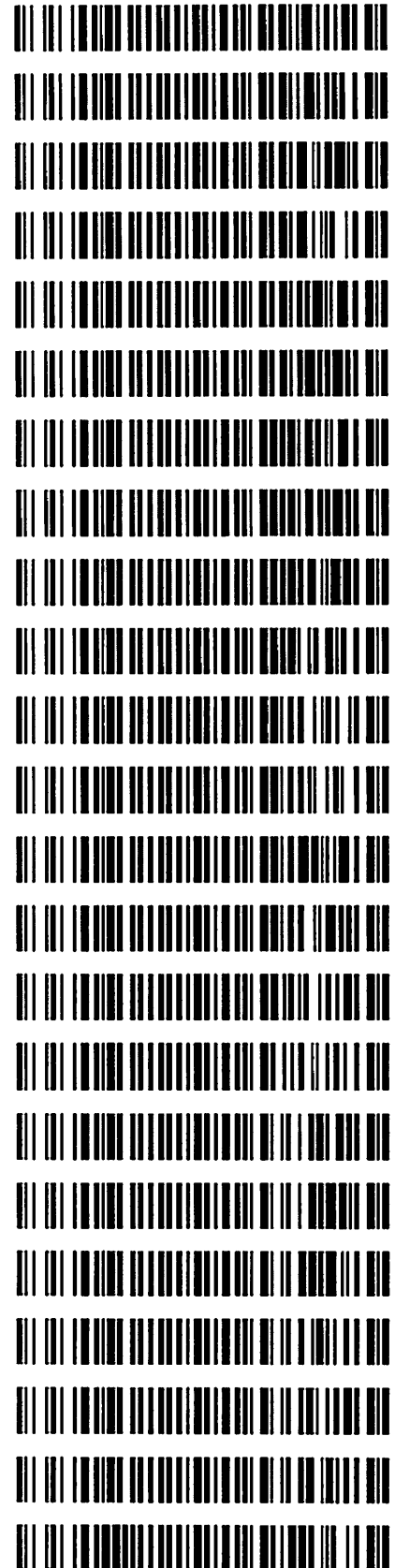
Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0503	0.0516	0.0013	0.0509
100	0.100	0.090 - 0.110	0.0997	0.0996	0.0001	0.0996
200	0.200	0.180 - 0.220	0.2000	0.1991	0.0009	0.1995
300	0.300	0.270 - 0.330	0.2999	0.2984	0.0015	0.2991
500	0.500	0.450 - 0.550	0.5001	0.5012	0.0011	0.5006

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

REVIEWED
By Jeremy Johnston at 3:30 pm, Jul 31, 2019

Worklist: 3583

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2019-3274	1	157722	Alcohol Analysis
M2019-3274	2	157726	Alcohol Analysis
M2019-3275	1	157731	Alcohol Analysis
M2019-3276	1	157732	Alcohol Analysis
M2019-3277	1	157736	Alcohol Analysis
M2019-3277	2	157740	Alcohol Analysis
M2019-3278	1	157744	Alcohol Analysis
M2019-3279	1	157745	Alcohol Analysis
M2019-3280	1	157749	Alcohol Analysis
M2019-3286	1	157762	Alcohol Analysis
M2019-3298	1	157901	Alcohol Analysis
M2019-3299	1	157902	Alcohol Analysis
M2019-3300	1	157903	Alcohol Analysis
M2019-3301	1	157907	Alcohol Analysis
M2019-3318	1	157952	Alcohol Analysis
M2019-3325	1	158000	Alcohol Analysis
M2019-3357	1	158146	Alcohol Analysis
M2019-3358	1	158148	Alcohol Analysis
M2019-3359	1	158149	Alcohol Analysis
M2019-3360	1	158150	Alcohol Analysis
M2019-3361	1	158151	Alcohol Analysis
M2019-3362	1	158152	Alcohol Analysis
P2019-2195	1	157589	Alcohol Analysis



Worklist: 3583

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
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Calibration Table
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General Calibration Setting

Calib. Data Modified : Friday, July 19, 2019 10:28:16 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	4.49290	1.11287e-2	No	No 1	ethanol
		2	1.00000e-1	9.08480	1.10074e-2			
		3	2.00000e-1	18.48556	1.08193e-2			
		4	3.00000e-1	27.33419	1.09753e-2			
		5	5.00000e-1	46.12227	1.08408e-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	4.67755	1.06894e-2	No	No 2	ethanol
		2	1.00000e-1	9.44829	1.05839e-2			
		3	2.00000e-1	19.39910	1.03098e-2			
		4	3.00000e-1	28.84432	1.04007e-2			
		5	5.00000e-1	49.12614	1.01779e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	46.49081	2.15096e-2	No	Yes 1	n-propanol
		2	1.00000	47.11196	2.12260e-2			
		3	1.00000	47.62738	2.09963e-2			
		4	1.00000	46.92963	2.13085e-2			
		5	1.00000	47.44746	2.10759e-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	48.88646	2.04556e-2	No	Yes 2	n-propanol
		2	1.00000	49.28146	2.02916e-2			
		3	1.00000	49.61608	2.01548e-2			
		4	1.00000	48.89425	2.04523e-2			
		5	1.00000	49.32278	2.02746e-2			

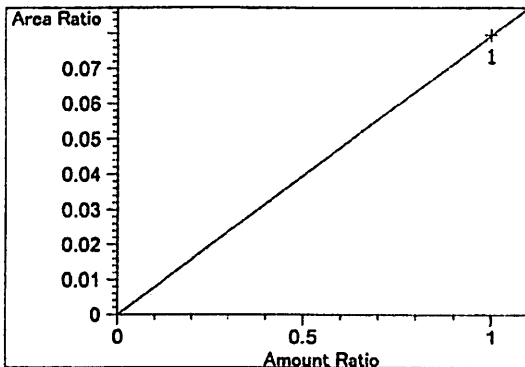
Peak Sum Table

No Entries in table

1 Warnings or Errors :

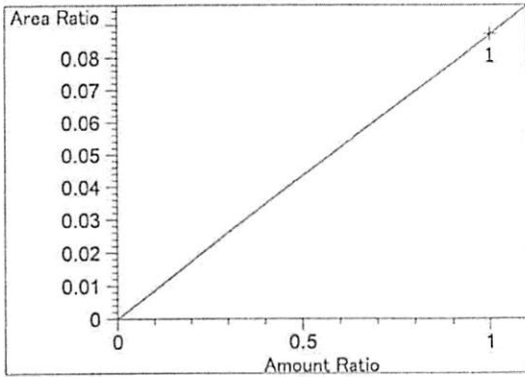
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

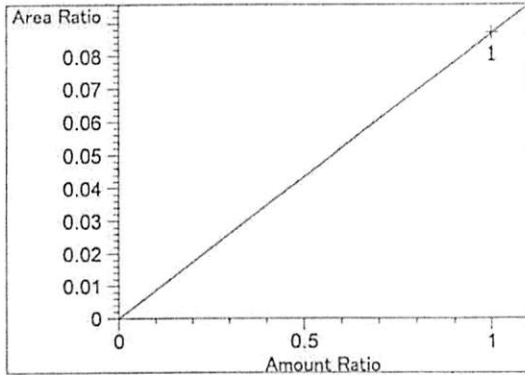


methanol at exp. RT: 2.586
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 7.95145e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

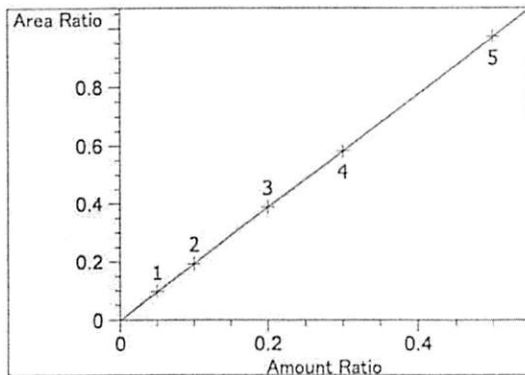
ck



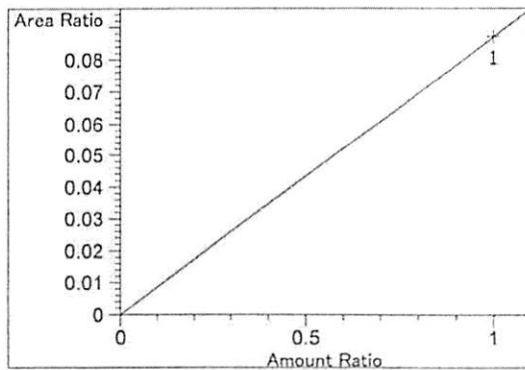
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 8.71612e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 8.71612e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

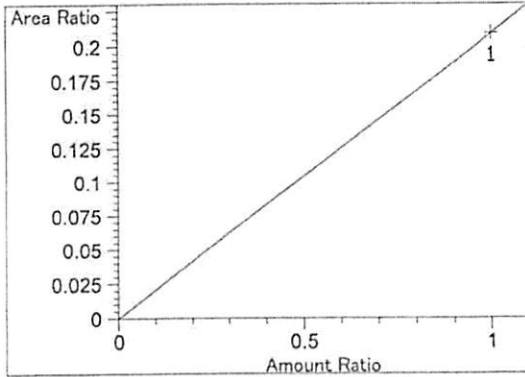


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00048
Formula: $y = mx + b$
m: 1.94627
b: -1.21777e-3
x: Amount Ratio
y: Area Ratio

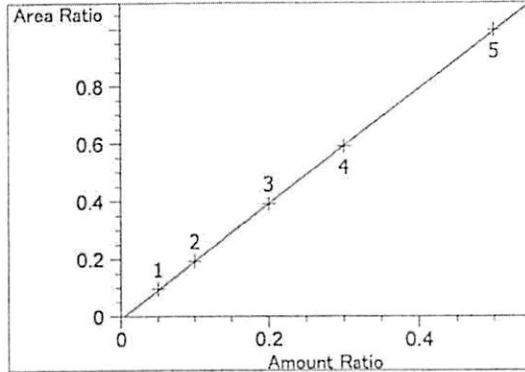


methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 8.71535e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

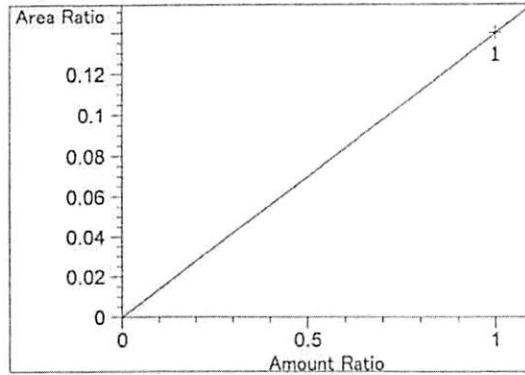
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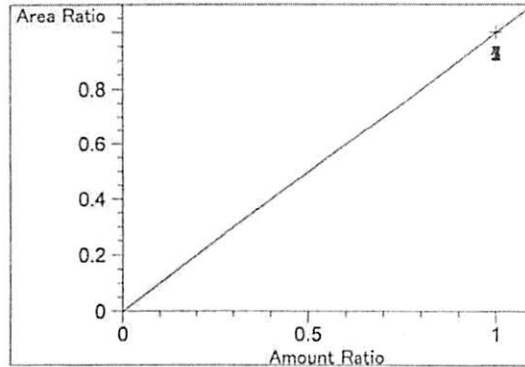
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 2.09301e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00318
Formula: $y = mx + b$
m: 2.00268
b: -7.74957e-3
x: Amount Ratio
y: Area Ratio

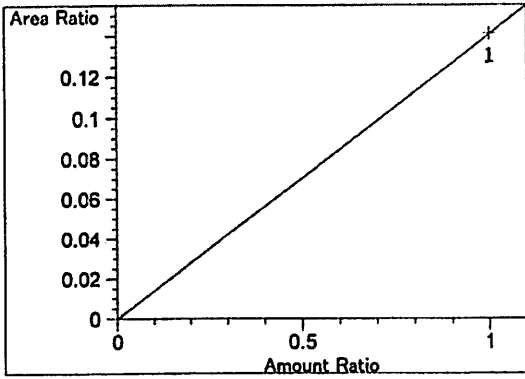


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.39800e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

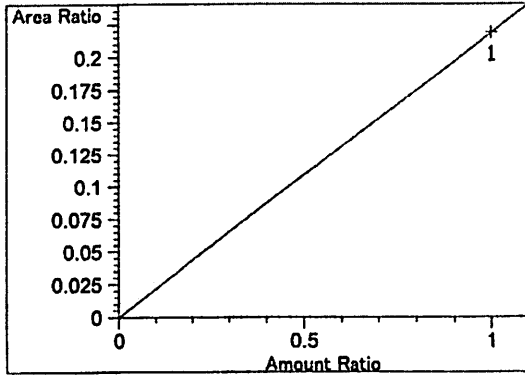


n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

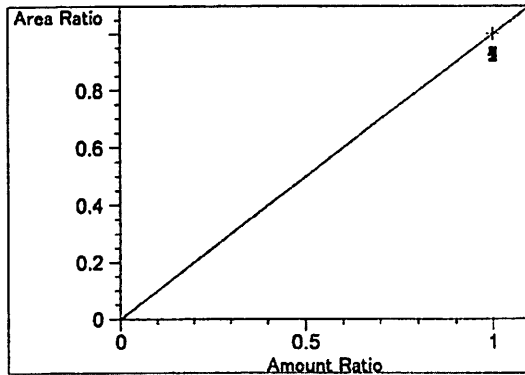
JG



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.41000e-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: 2.19006e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

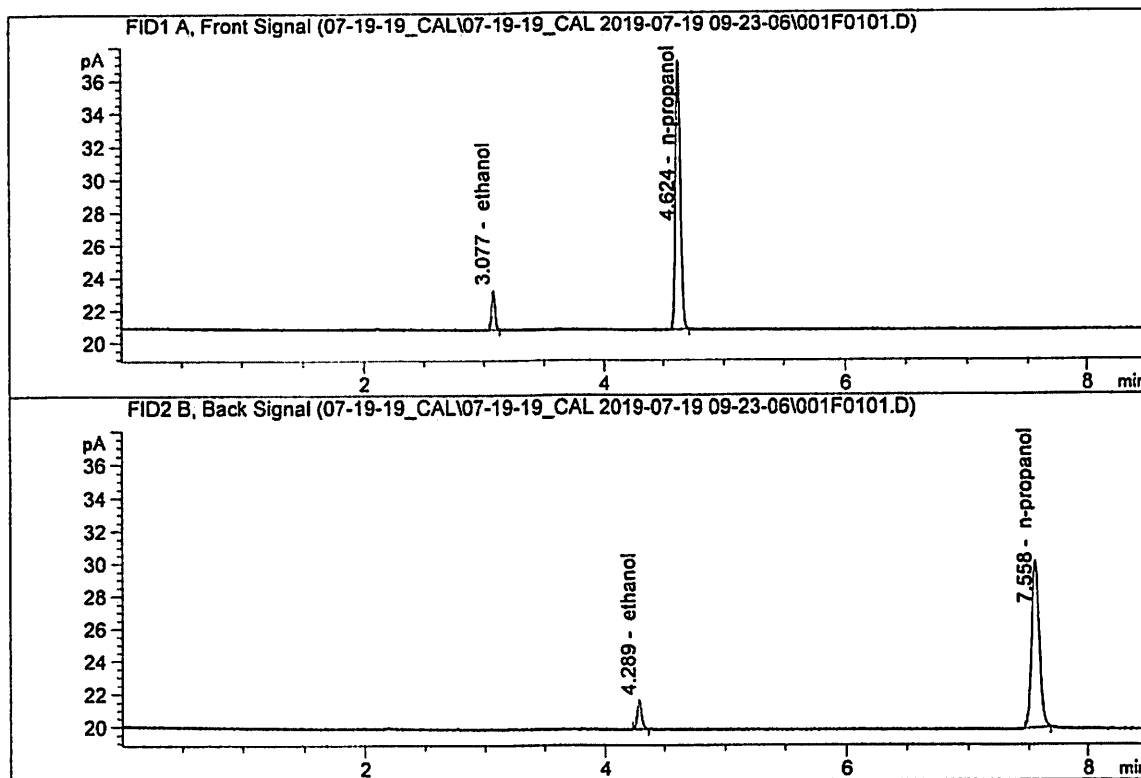


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

J6

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN04271601
 Laboratory : Meridian
 Injection Date : Jul 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

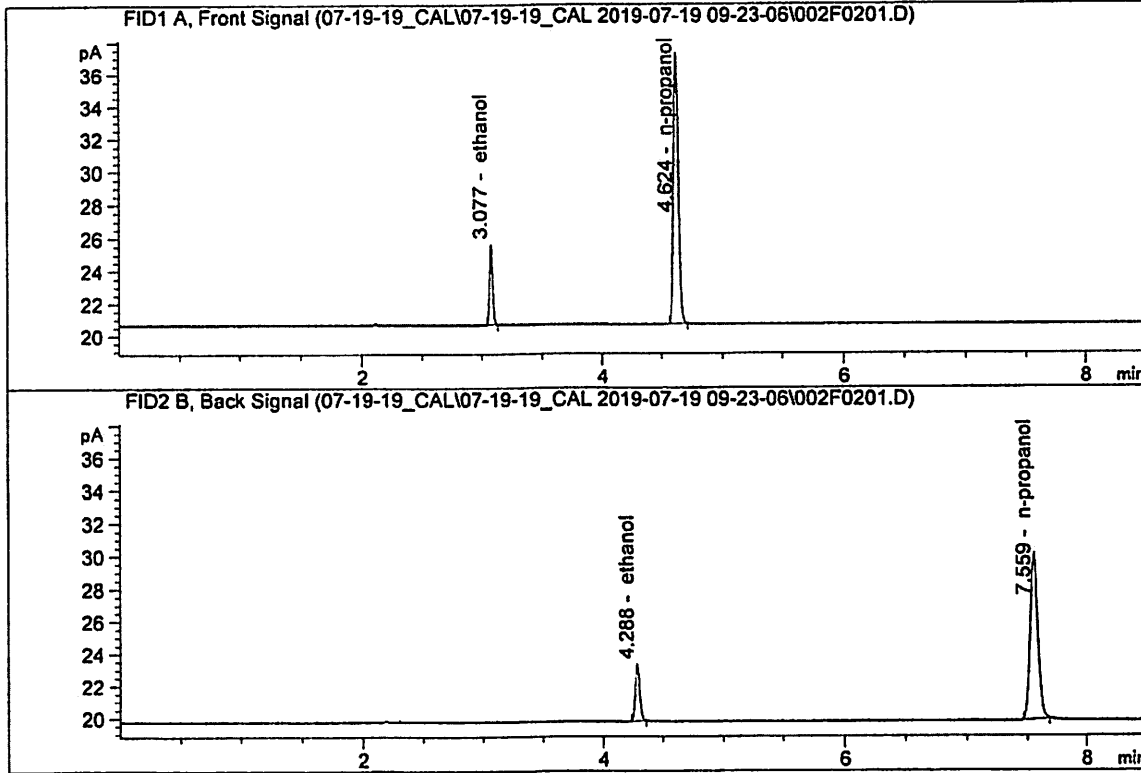


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.49290	0.0503	g/100cc
2.	Ethanol	Column 2:	4.67755	0.0516	g/100cc
3.	n-Propanol	Column 1:	46.49081	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.88646	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02271802
 Laboratory : Meridian
 Injection Date : Jul 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

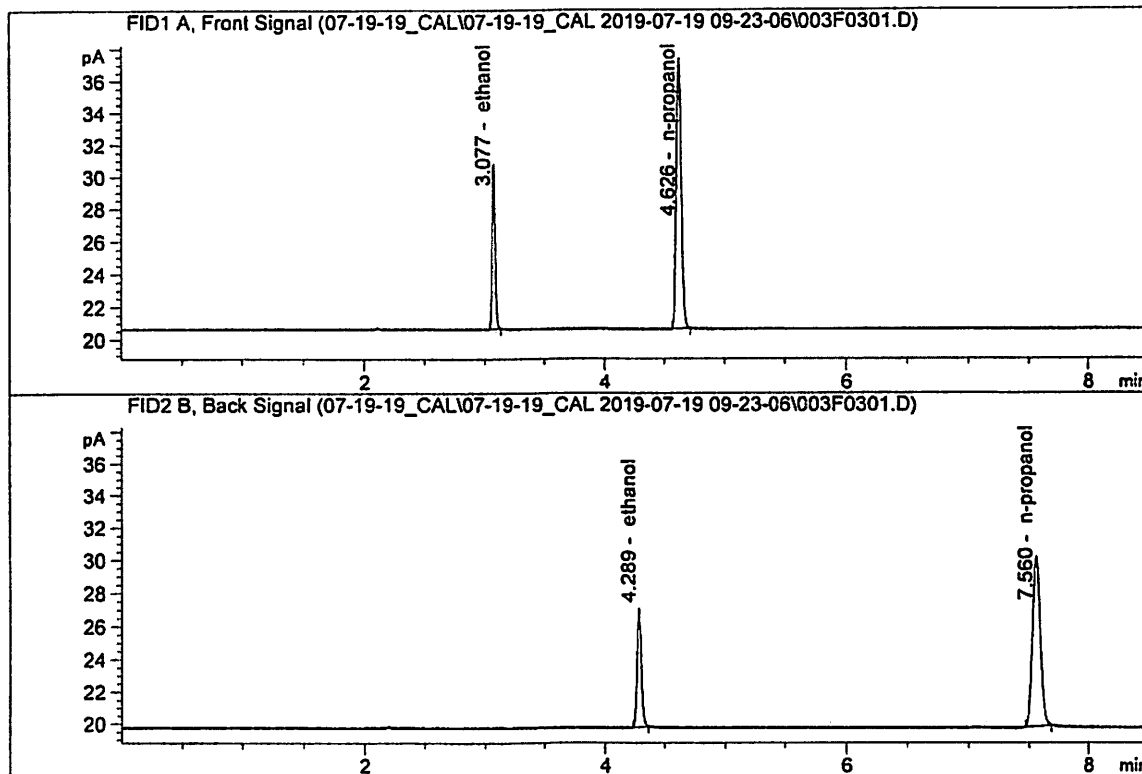


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.08480	0.0997	g/100cc
2.	Ethanol	Column 2:	9.44829	0.0996	g/100cc
3.	n-Propanol	Column 1:	47.11196	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.28146	1.0000	g/100cc

J6

ISP Forensic Services Blood Alcohol Report

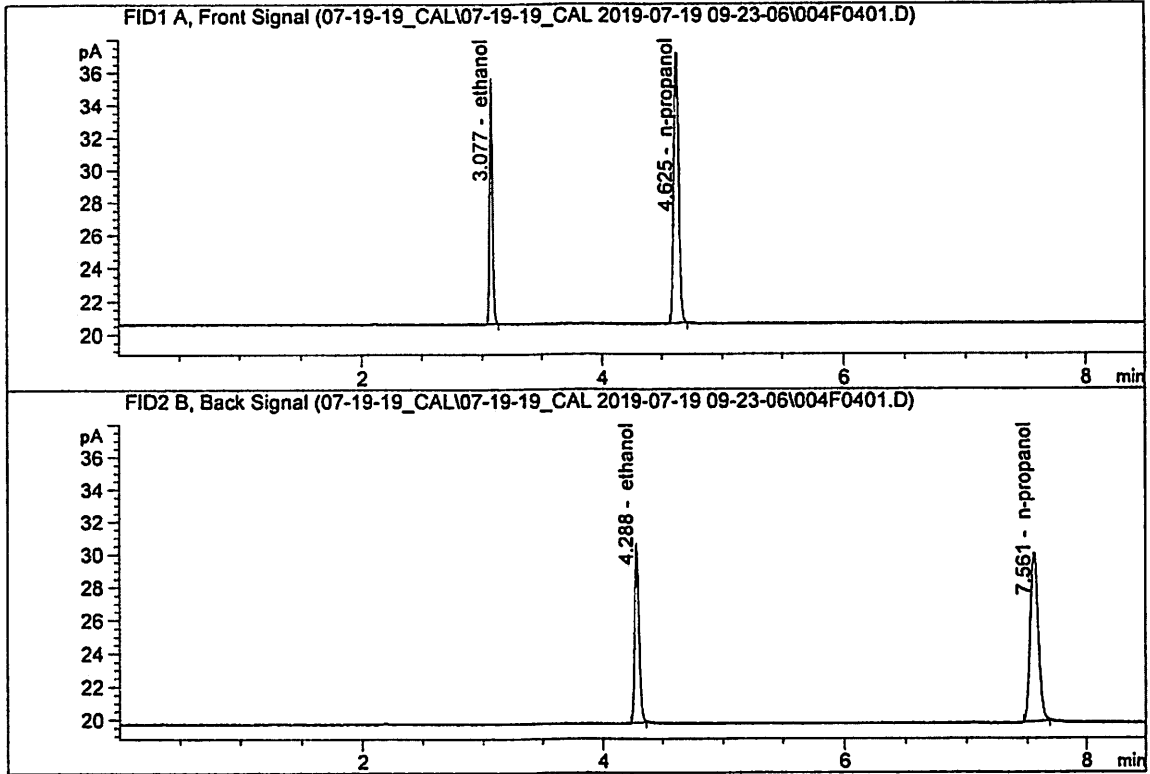
Sample Name : 0.200 FN03301601
 Laboratory : Meridian
 Injection Date : Jul 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.48556	0.2000	g/100cc
2.	Ethanol	Column 2:	19.39910	0.1991	g/100cc
3.	n-Propanol	Column 1:	47.62738	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.61608	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
 Laboratory : Meridian
 Injection Date : Jul 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

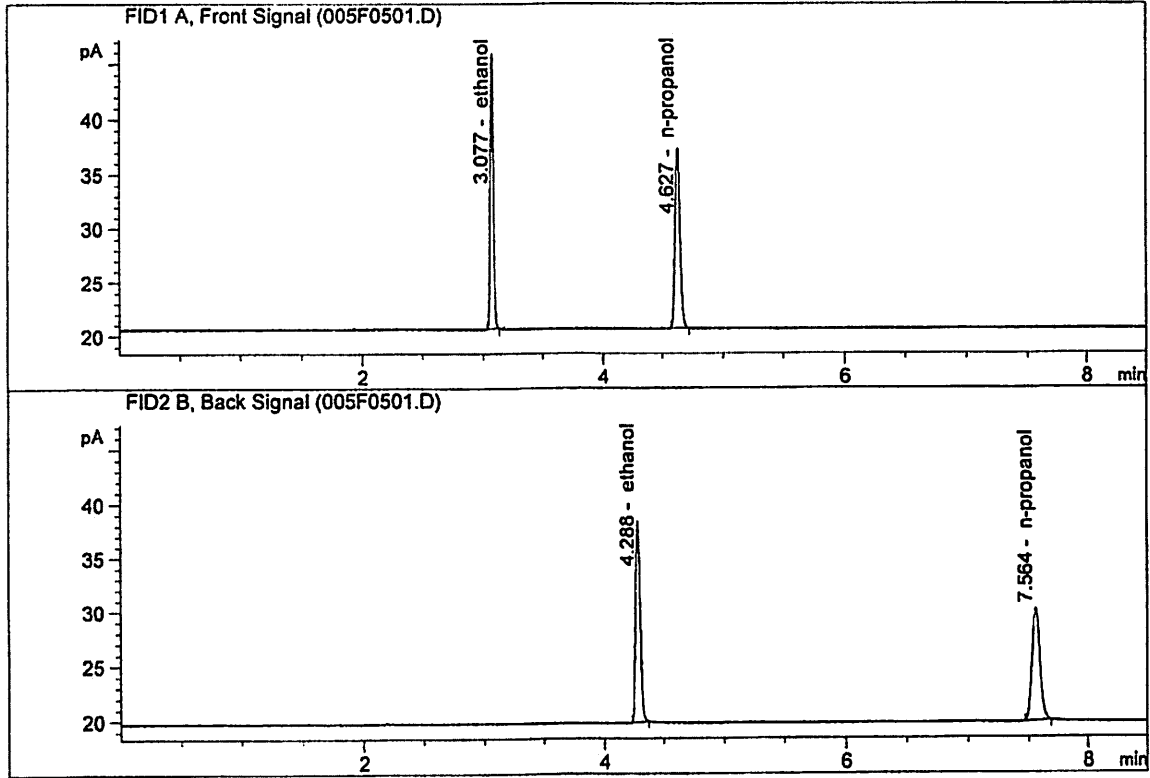


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.33419	0.2999	g/100cc
2.	Ethanol	Column 2:	28.84432	0.2984	g/100cc
3.	n-Propanol	Column 1:	46.92963	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.89425	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
 Laboratory : Meridian
 Injection Date : Jul 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

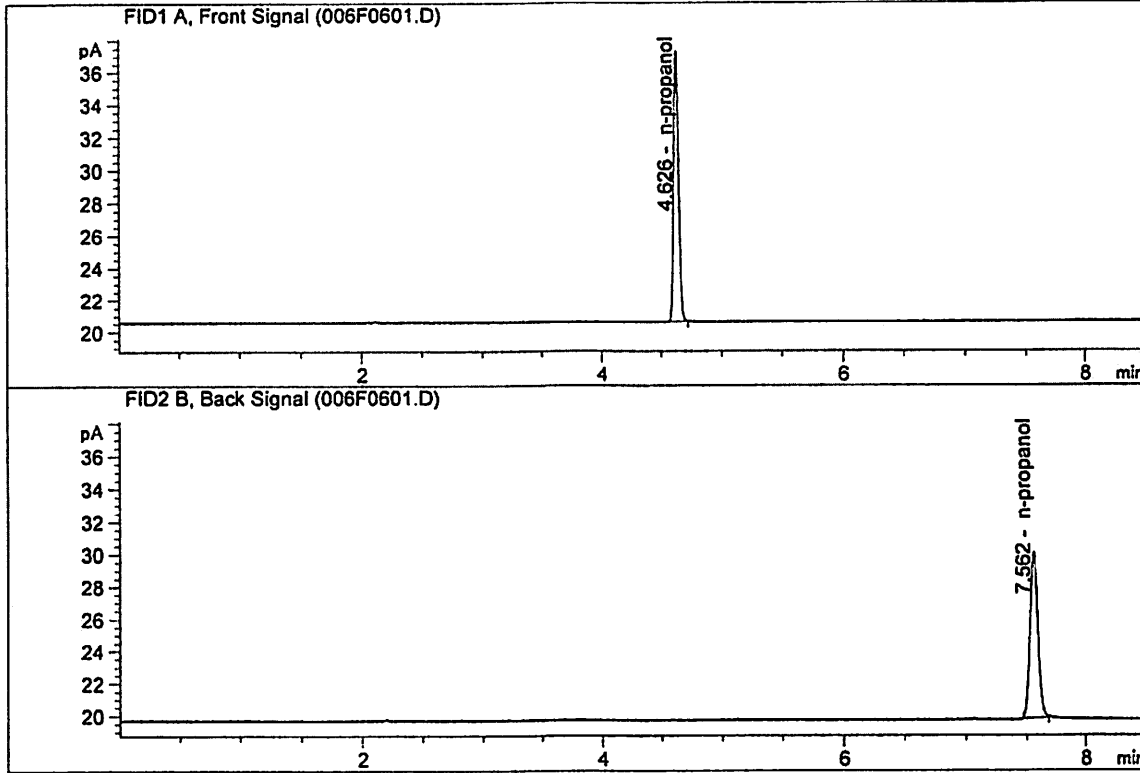


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.12227	0.5001	g/100cc
2.	Ethanol	Column 2:	49.12614	0.5012	g/100cc
3.	n-Propanol	Column 1:	47.44746	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.32278	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : Jul 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	47.36512	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.28585	1.0000	g/100cc

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

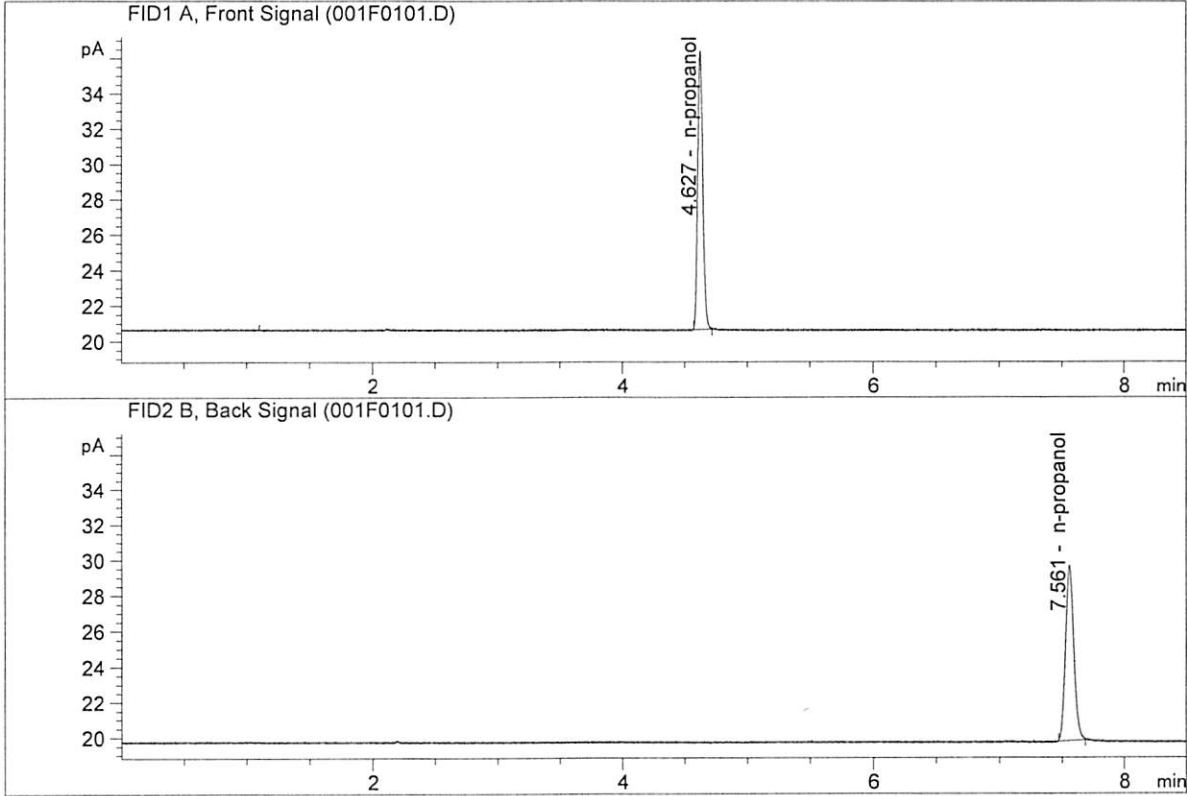
Sequence table: C:\Chem32\1\Data\07-19-19_CAL\07-19-19_CAL 2019-07-19 09-23-06\07-19-19_CAL.S
 Data directory path: C:\Chem32\1\Data\07-19-19_CAL\07-19-19_CAL 2019-07-19 09-23-06\
 Logbook: C:\Chem32\1\Data\07-19-19_CAL\07-19-19_CAL 2019-07-19 09-23-06\07-19-19_CAL.LOG
 Sequence start: 7/19/2019 9:37:44 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\07-19-19_CAL\07-19-19_CAL 2019-07-19 09-23-06\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	0.050 FN04271601	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN02271802	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN03301601	-	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

JK

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

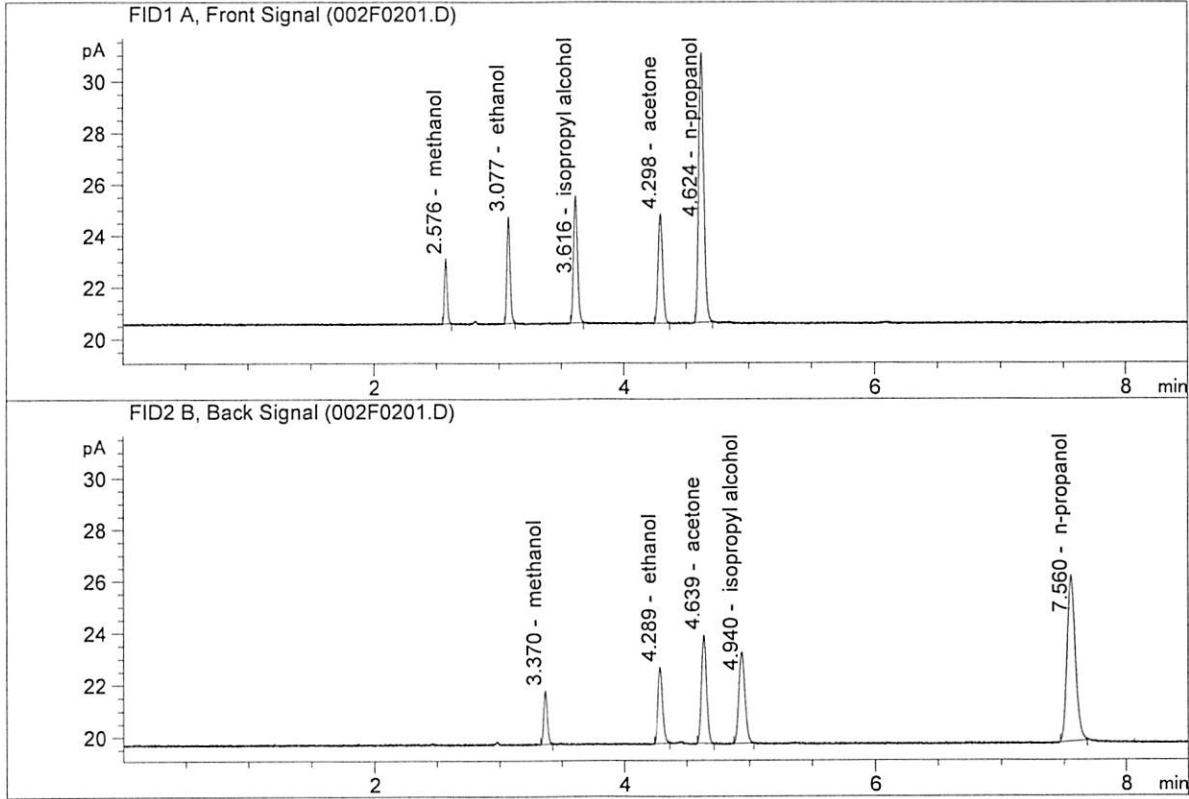


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.82574	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.38720	1.0000	g/100cc

JK

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.38704	0.1294	g/100cc
2.	Ethanol	Column 2:	7.72893	0.1302	g/100cc
3.	n-Propanol	Column 1:	29.47377	1.0000	g/100cc
4.	n-Propanol	Column 2:	30.54860	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 26 Jul 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0776	0.0781	0.0005	0.0778	0.0776	
(g/100cc)	0.0771	0.0779	0.0008	0.0775		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

Revision: 1

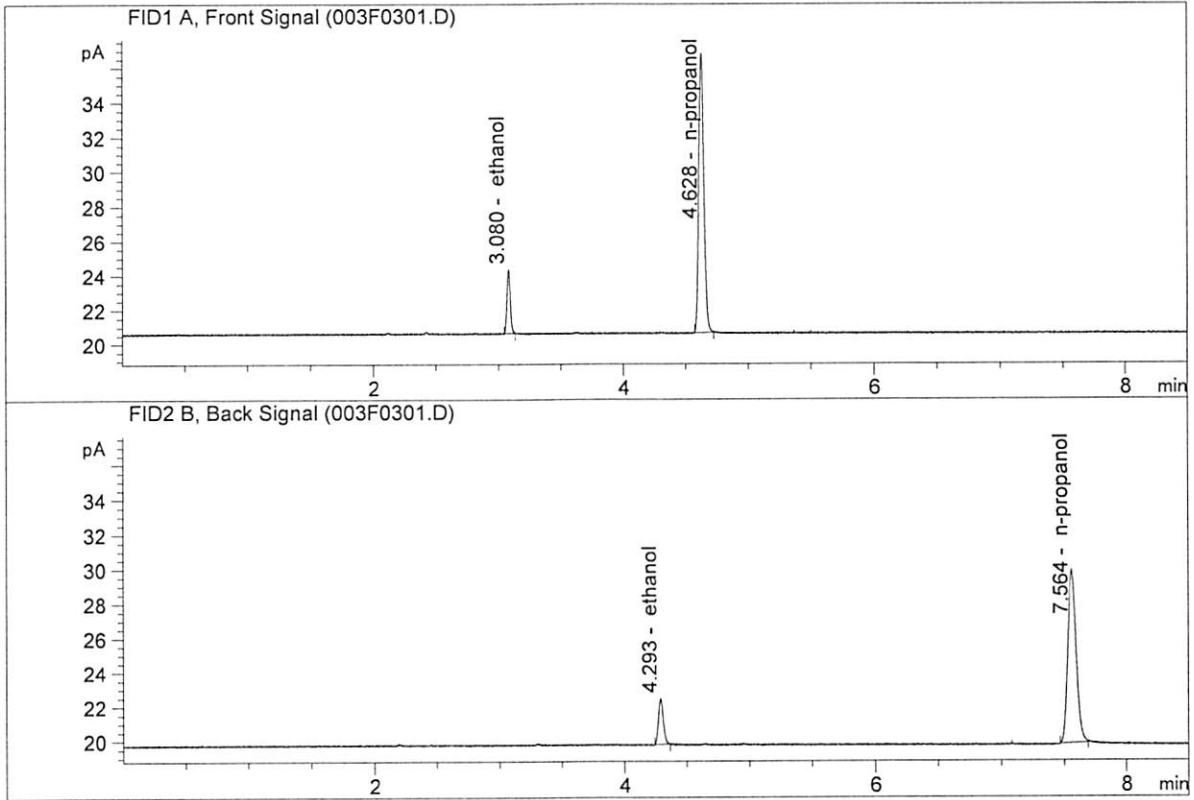
Issue Date: 01/04/2019

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

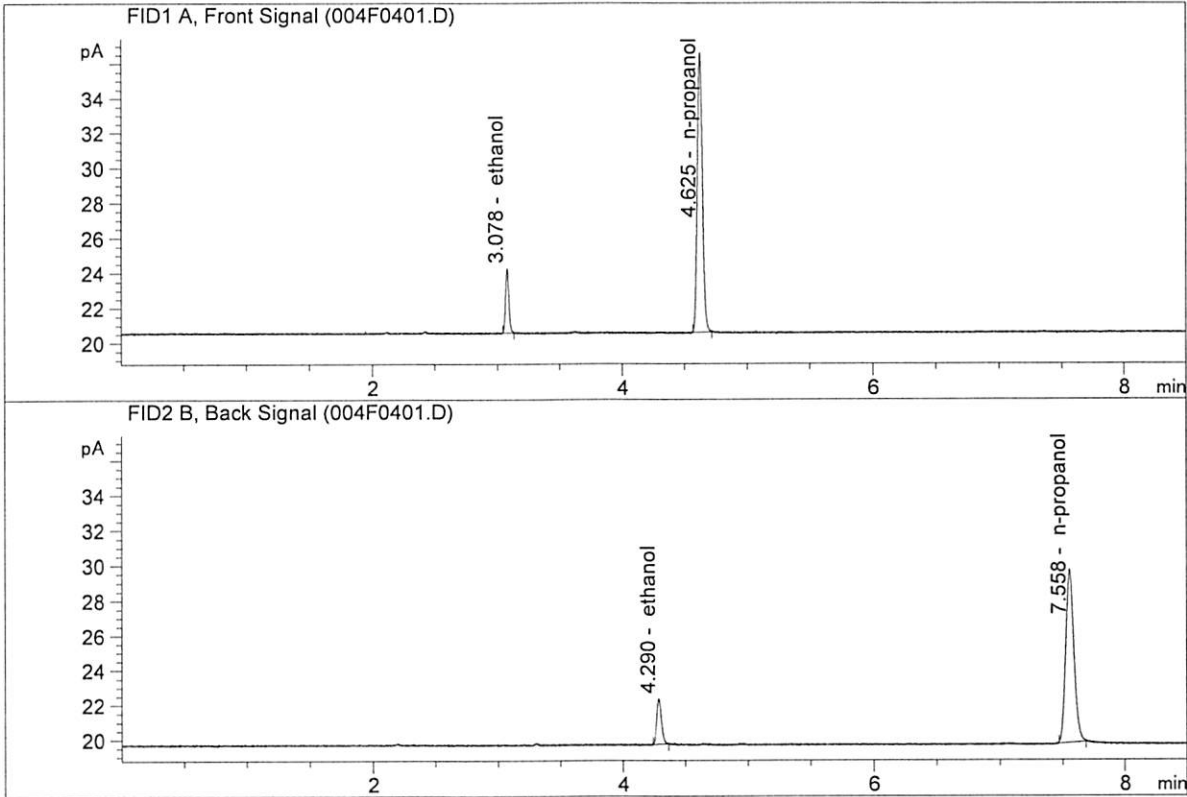


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.90882	0.0776	g/100cc
2.	Ethanol	Column 2:	7.15171	0.0781	g/100cc
3.	n-Propanol	Column 1:	46.10976	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.13565	1.0000	g/100cc

JK

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.79965	0.0771	g/100cc
2.	Ethanol	Column 2:	7.05006	0.0779	g/100cc
3.	n-Propanol	Column 1:	45.70249	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.55449	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701

Analysis Date(s): 26 Jul 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0800	0.0802	0.0002	0.0801	0.0802	
(g/100cc)	0.0802	0.0806	0.0004	0.0804		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

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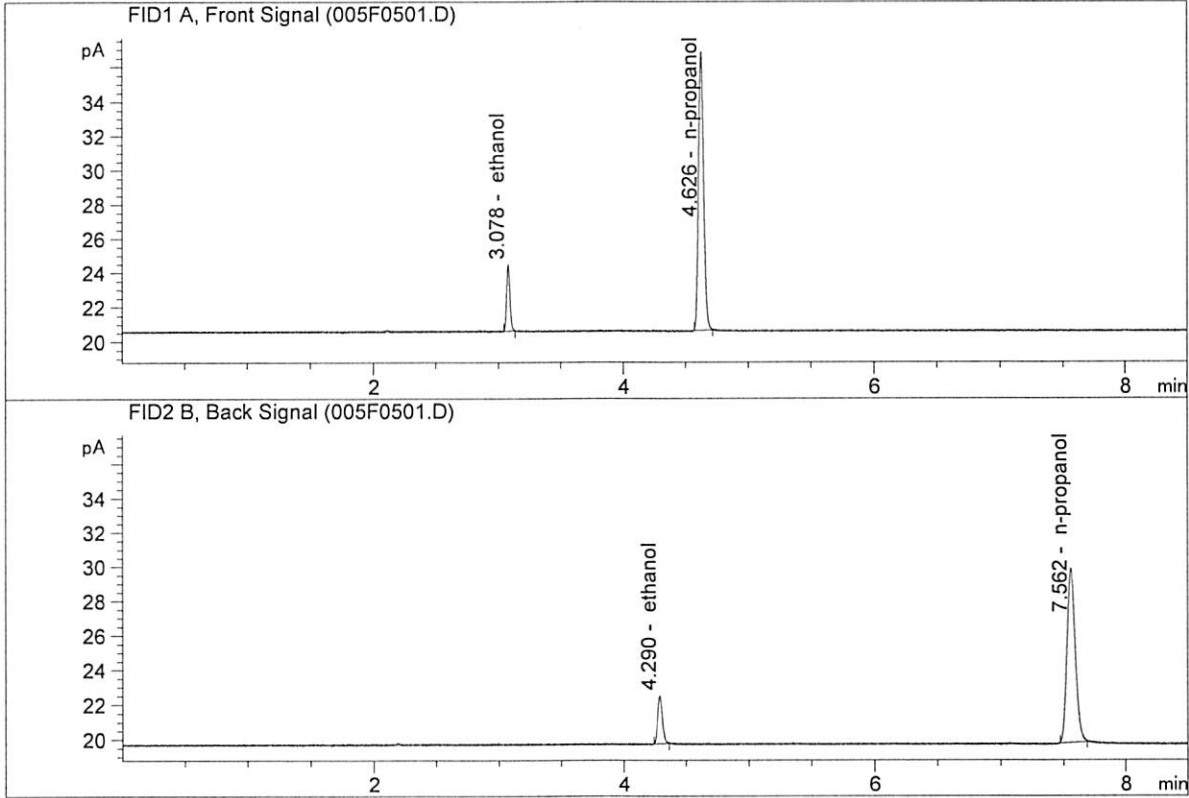
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

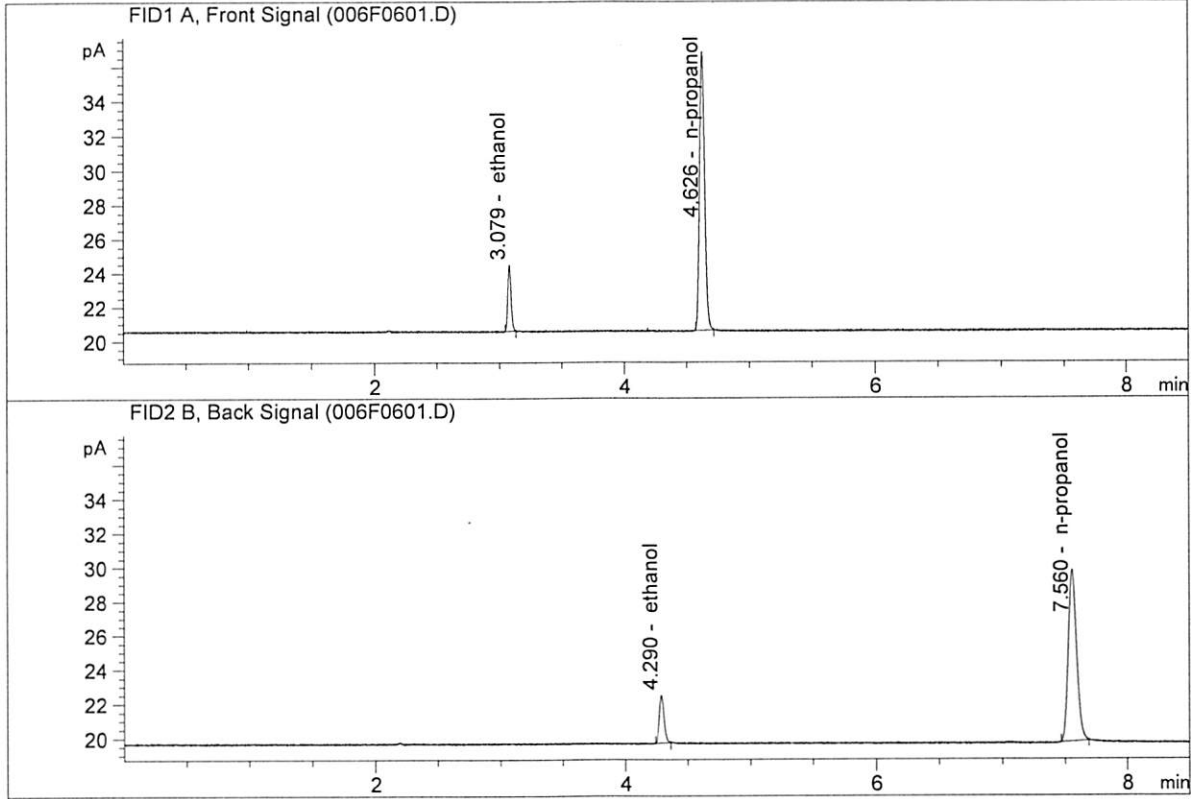


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.12976	0.0800	g/100cc
2.	Ethanol	Column 2:	7.37400	0.0802	g/100cc
3.	n-Propanol	Column 1:	46.17109	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.22483	1.0000	g/100cc

J6

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.16443	0.0802	g/100cc
2.	Ethanol	Column 2:	7.42839	0.0806	g/100cc
3.	n-Propanol	Column 1:	46.27523	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.35865	1.0000	g/100cc

JK

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 26 Jul 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2042	0.2040	0.0002	0.2041	0.2040	
(g/100cc)	0.2043	0.2035	0.0008	0.2039		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.204	0.193	0.215	0.011

	Reported Result	
	0.204	

Calibration and control data are stored centrally.

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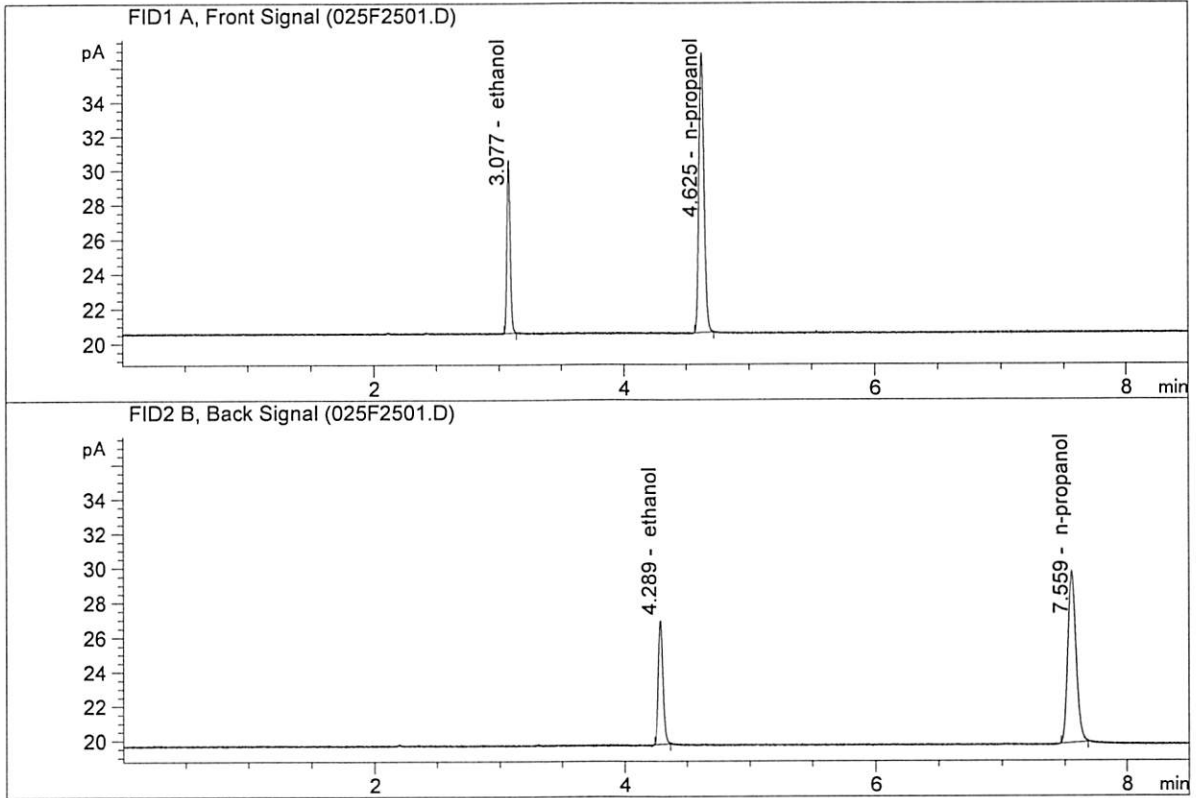
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

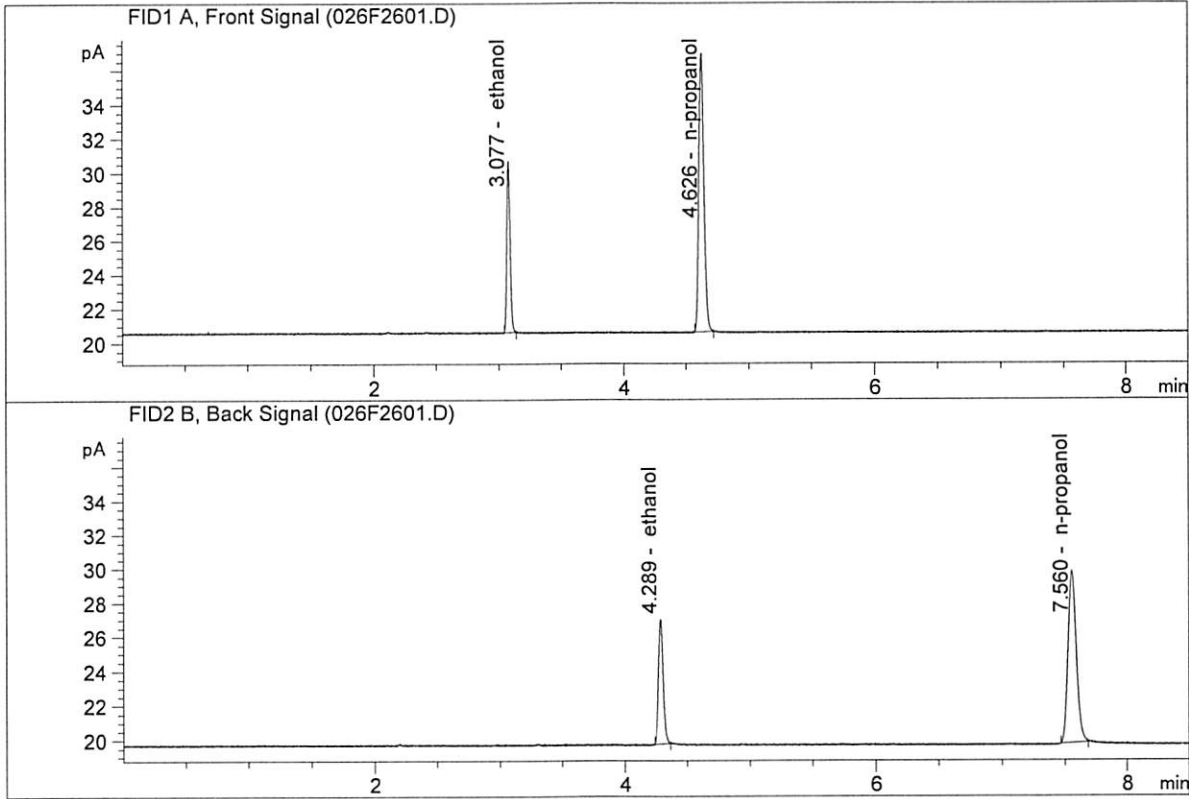


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.25774	0.2042	g/100cc
2.	Ethanol	Column 2:	19.12355	0.2040	g/100cc
3.	n-Propanol	Column 1:	46.08762	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.72242	1.0000	g/100cc

J6

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.42273	0.2043	g/100cc
2.	Ethanol	Column 2:	19.25272	0.2035	g/100cc
3.	n-Propanol	Column 1:	46.48304	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.15532	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 26 Jul 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0810	0.0822	0.0012	0.0816	0.0803	
(g/100cc)	0.0784	0.0796	0.0012	0.0790		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

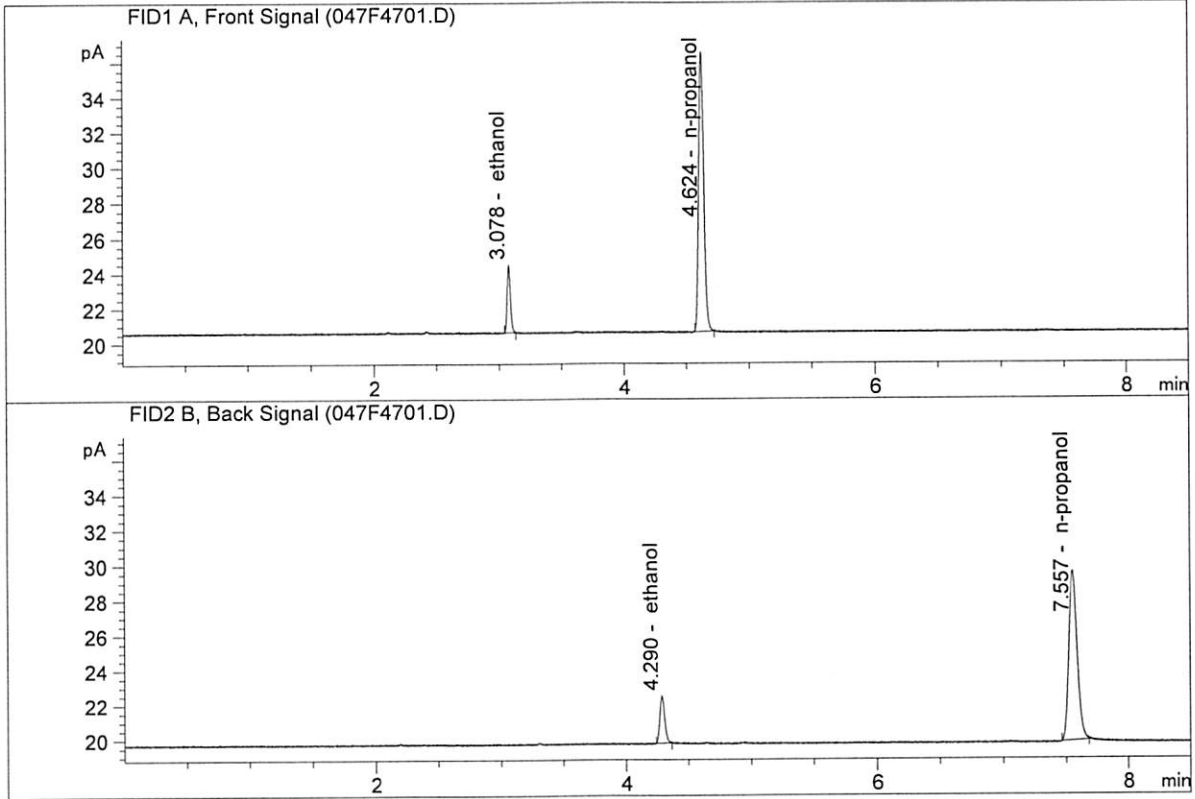
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

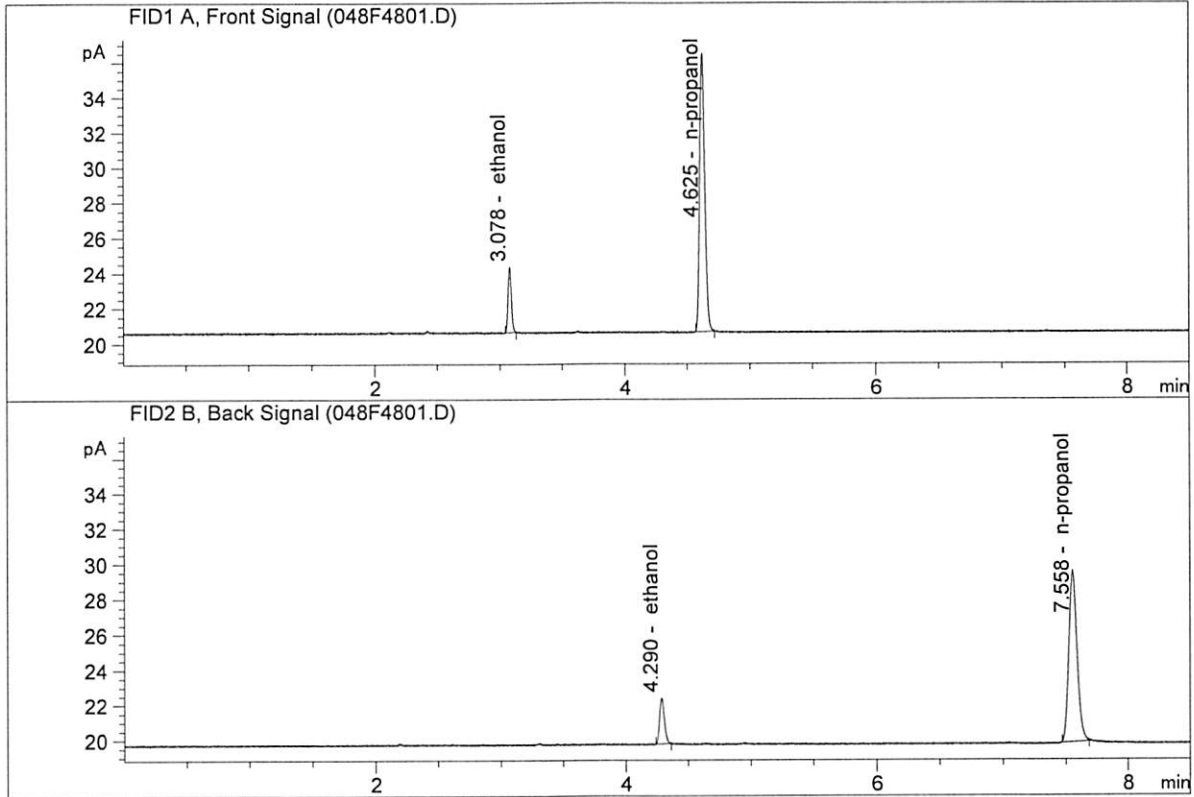
Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.07525	0.0810	g/100cc
2.	Ethanol	Column 2:	7.32312	0.0822	g/100cc
3.	n-Propanol	Column 1:	45.22763	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.68410	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.81810	0.0784	g/100cc
2.	Ethanol	Column 2:	7.05934	0.0796	g/100cc
3.	n-Propanol	Column 1:	45.02399	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.56091	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2

Analysis Date(s): 26 Jul 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2125	0.2124	0.0001	0.2124	0.2129	
(g/100cc)	0.2127	0.2140	0.0013	0.2133		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.212	0.201	0.223	0.011

	Reported Result	
	0.212	

Calibration and control data are stored centrally.

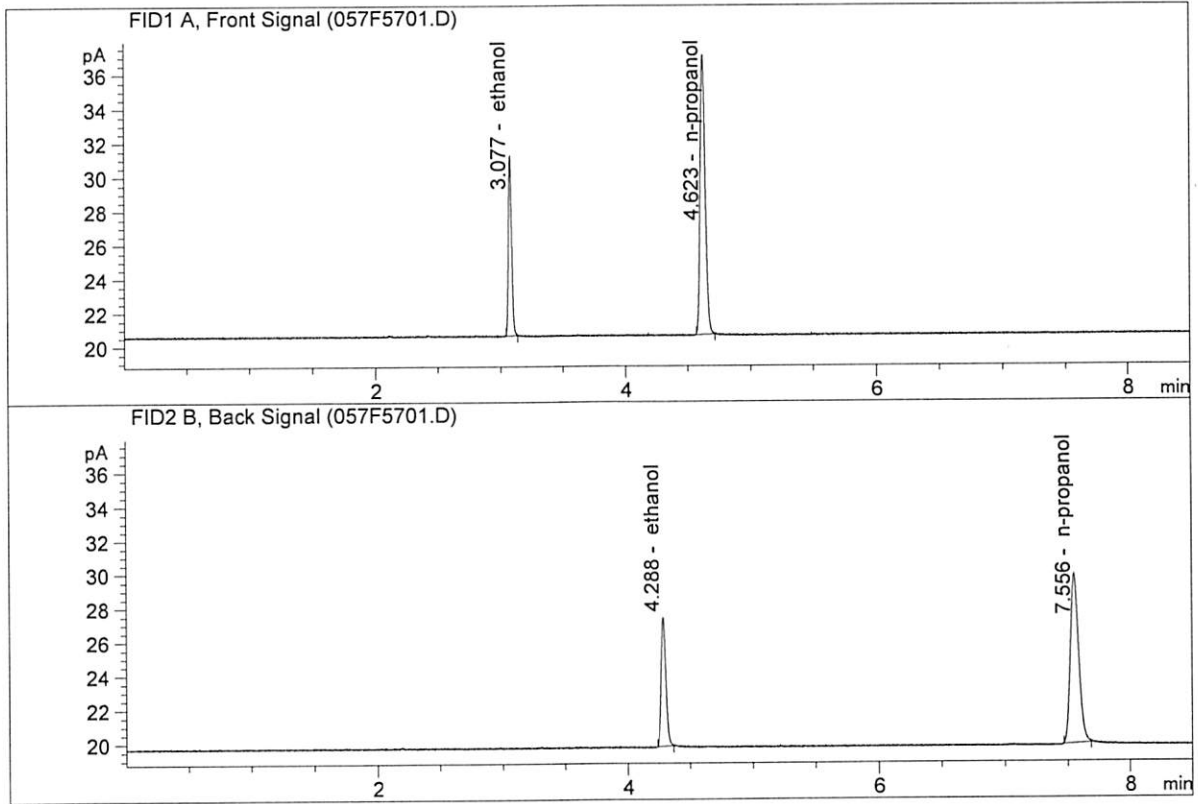
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

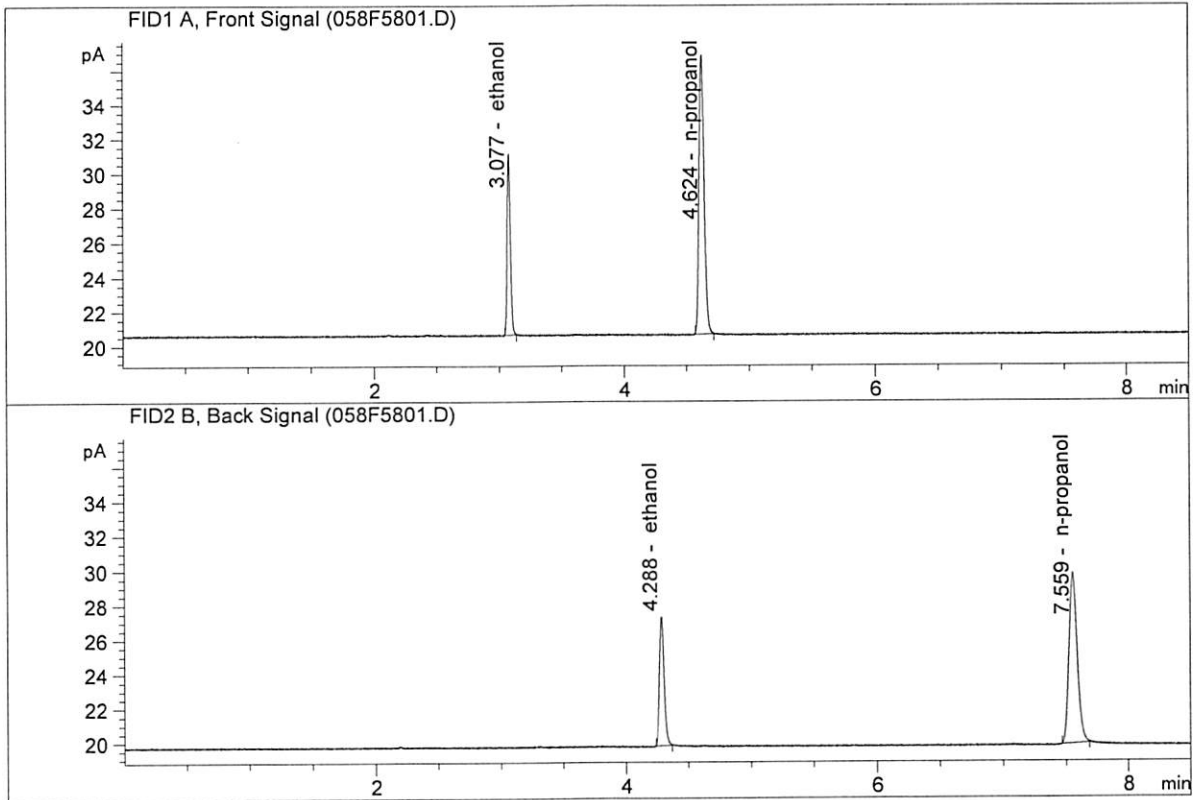
Sample Name : QC2-2-A
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.21269	0.2125	g/100cc
2.	Ethanol	Column 2:	20.12921	0.2124	g/100cc
3.	n-Propanol	Column 1:	46.59919	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.20350	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

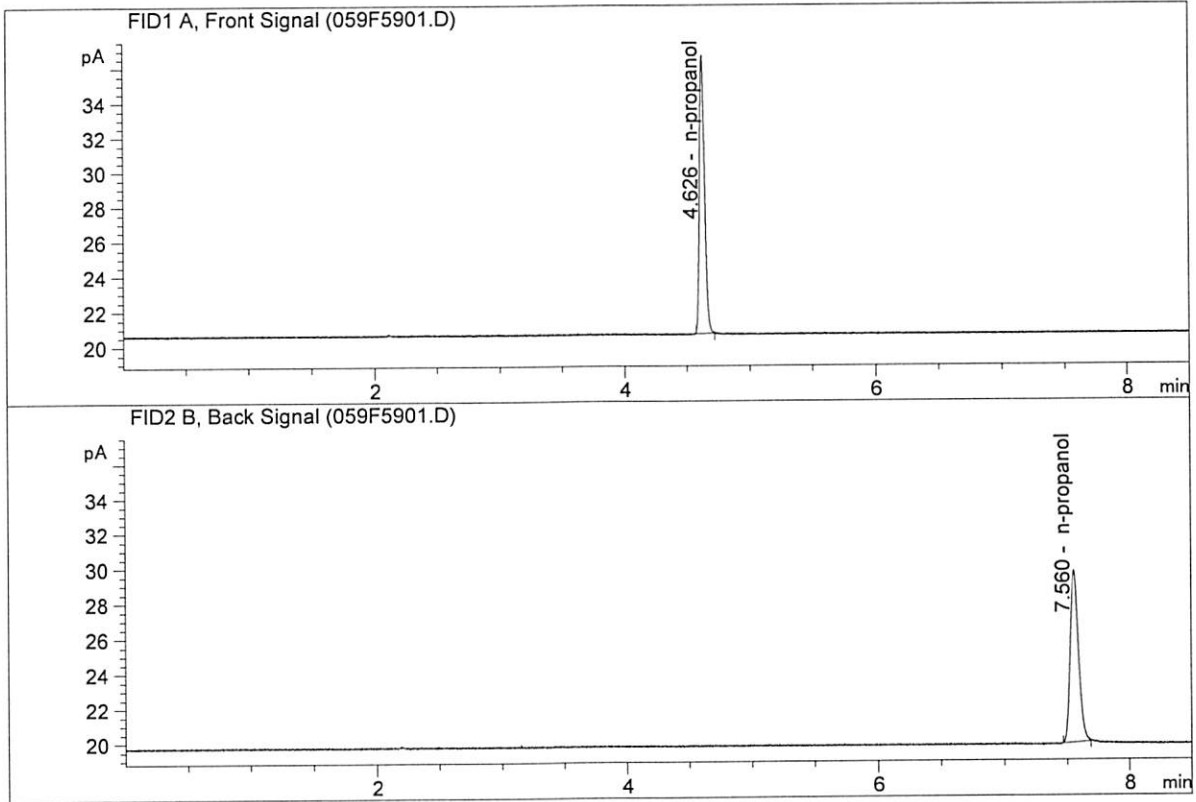
Sample Name : QC2-2-B
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.99308	0.2127	g/100cc
2.	Ethanol	Column 2:	19.98075	0.2140	g/100cc
3.	n-Propanol	Column 1:	46.00881	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.49113	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Jul 26, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	45.34575	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.95059	1.0000	g/100cc

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

Sequence table: C:\Chem32\1\Data\07-26-19_SAMPLES\07-26-19_SAMPLES 2019-07-26 11-30-50\07-26-19_SAMPLES.S
 Data directory path: C:\Chem32\1\Data\07-26-19_SAMPLES\07-26-19_SAMPLES 2019-07-26 11-30-50\
 Logbook: C:\Chem32\1\Data\07-26-19_SAMPLES\07-26-19_SAMPLES 2019-07-26 11-30-50\07-26-19_SAMPLES.LOG
 Sequence start: 7/26/2019 11:45:48 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\07-26-19_SAMPLES\07-26-19_SAMPLES 2019-07-26 11-30-50\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
1	1	1	INTERNAL STD BLK	-	1.0000	001F0101.D		2
2	2	1	MIX VOL FN060415	-	1.0000	002F0201.D		10
3	3	1	QC1-1-A	-	1.0000	003F0301.D		4
4	4	1	QC1-1-B	-	1.0000	004F0401.D		4
5	5	1	0.08 FN04171701-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	M2019-3274-1-A	-	1.0000	007F0701.D		2
8	8	1	M2019-3274-1-B	-	1.0000	008F0801.D		2
9	9	1	M2019-3274-2-A	-	1.0000	009F0901.D		2
10	10	1	M2019-3274-2-B	-	1.0000	010F1001.D		2
11	11	1	M2019-3275-1-A	-	1.0000	011F1101.D		4
12	12	1	M2019-3275-1-B	-	1.0000	012F1201.D		4
13	13	1	M2019-3276-1-A	-	1.0000	013F1301.D		2
14	14	1	M2019-3276-1-B	-	1.0000	014F1401.D		2
15	15	1	M2019-3277-1-A	-	1.0000	015F1501.D		2
16	16	1	M2019-3277-1-B	-	1.0000	016F1601.D		2
17	17	1	M2019-3277-2-A	-	1.0000	017F1701.D		2
18	18	1	M2019-3277-2-B	-	1.0000	018F1801.D		2
19	19	1	M2019-3278-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-3278-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-3279-1-A	-	1.0000	021F2101.D		2
22	22	1	M2019-3279-1-B	-	1.0000	022F2201.D		2
23	23	1	M2019-3280-1-A	-	1.0000	023F2301.D		2
24	24	1	M2019-3280-1-B	-	1.0000	024F2401.D		2
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	M2019-3286-1-A	-	1.0000	027F2701.D		4
28	28	1	M2019-3286-1-B	-	1.0000	028F2801.D		4
29	29	1	M2019-3298-1-A	-	1.0000	029F2901.D		4
30	30	1	M2019-3298-1-B	-	1.0000	030F3001.D		4
31	31	1	M2019-3299-1-A	-	1.0000	031F3101.D		4
32	32	1	M2019-3299-1-B	-	1.0000	032F3201.D		4
33	33	1	M2019-3300-1-A	-	1.0000	033F3301.D		2
34	34	1	M2019-3300-1-B	-	1.0000	034F3401.D		2
35	35	1	M2019-3301-1-A	-	1.0000	035F3501.D		4
36	36	1	M2019-3301-1-B	-	1.0000	036F3601.D		4
37	37	1	M2019-3318-1-A	-	1.0000	037F3701.D		2
38	38	1	M2019-3318-1-B	-	1.0000	038F3801.D		2
39	39	1	M2019-3325-1-A	-	1.0000	039F3901.D		4
40	40	1	M2019-3325-1-B	-	1.0000	040F4001.D		4
41	41	1	M2019-3357-1-A	-	1.0000	041F4101.D		2
42	42	1	M2019-3357-1-B	-	1.0000	042F4201.D		2
43	43	1	M2019-3358-1-A	-	1.0000	043F4301.D		4

JG

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
44	44	1	M2019-3358-1-B	-	1.0000	044F4401.D		4
45	45	1	M2019-3359-1-A	-	1.0000	045F4501.D		4
46	46	1	M2019-3359-1-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	M2019-3360-1-A	-	1.0000	049F4901.D		4
50	50	1	M2019-3360-1-B	-	1.0000	050F5001.D		4
51	51	1	M2019-3361-1-A	-	1.0000	051F5101.D		4
52	52	1	M2019-3361-1-B	-	1.0000	052F5201.D		4
53	53	1	M2019-3362-1-A	-	1.0000	053F5301.D		4
54	54	1	M2019-3362-1-B	-	1.0000	054F5401.D		4
55	55	1	P2019-2195-1-A	-	1.0000	055F5501.D		4
56	56	1	P2019-2195-1-B	-	1.0000	056F5601.D		4
57	57	1	QC2-2-A	-	1.0000	057F5701.D		4
58	58	1	QC2-2-B	-	1.0000	058F5801.D		4
59	59	1	INTERNAL STD BLK	-	1.0000	059F5901.D		2
60	60	1	1	-	1.0000	060F6001.D		4
61	61	1	2	-	1.0000	061F6101.D		4
62	62	1	3	-	1.0000	062F6201.D		4
63	63	1	INTERNAL STD BLK	-	1.0000	063F6301.D		2

Method file name: C:\Chem32\1\Data\07-26-19_SAMPLES\07-26-19_SAMPLES 2019-07-26 11-30-50
 \SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
64	64	1	EMPTY	-	1.0000	064F6401.D		0

JL