

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): 04/10/19-4/11/19**

Calibration Date: 4/10/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0774 g/100cc
					0.0804 g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2039 g/100cc
					0.2095 g/100cc
Multi-Component mixture:		Sep-20	Lot #	FN06041502	ok
Curve Fit:			Column 1	0.99998	Column2
					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	0.0504	0.0516	0.0012	0.051
100	0.100	0.090 - 0.110	0.0996	0.0990	0.0006	0.0993
200	0.200	0.180 - 0.220	0.1990	0.1981	0.0009	0.1985
300	0.300	0.270 - 0.330	0.3015	0.3011	0.0004	0.3013
500	0.500	0.450 - 0.550	0.4995	0.5001	0.0006	0.4998

Aqueous Controls			
Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

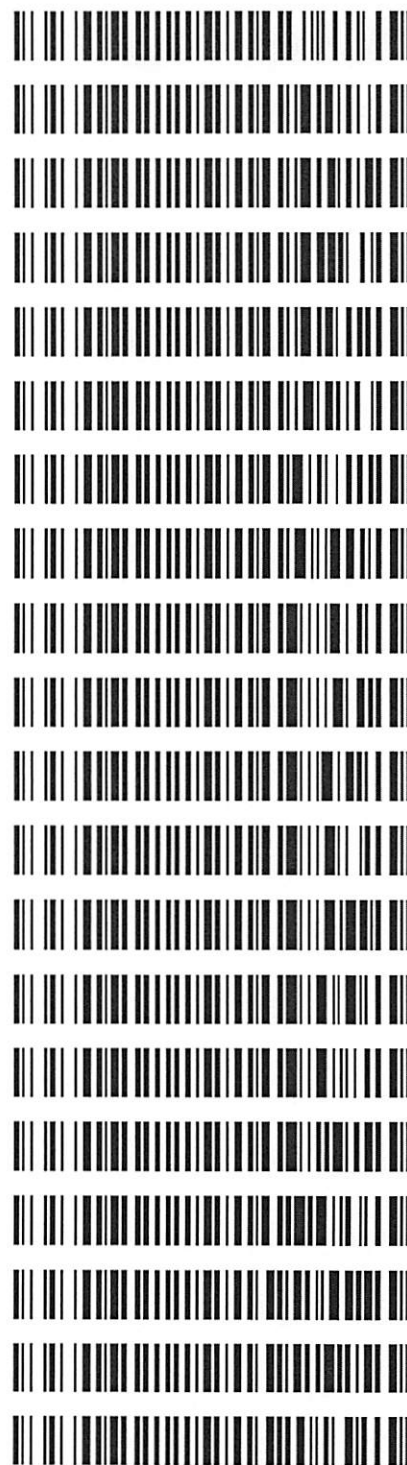
REVIEWED

By Rachel Cutler at 4:47 pm, Apr 13, 2019

Worklist: 3258

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2019-1405	1	146058	Alcohol Analysis
M2019-1445	1	146402	Alcohol Analysis
M2019-1446	1	146403	Alcohol Analysis
M2019-1452	1	146424	Alcohol Analysis
M2019-1453	1	146426	Alcohol Analysis
M2019-1463	1	146460	Alcohol Analysis
M2019-1479	1	146580	Alcohol Analysis
M2019-1501	1	146863	Alcohol Analysis
M2019-1525	1	146921	Alcohol Analysis
M2019-1526	1	146922	Alcohol Analysis
M2019-1527	1	146923	Alcohol Analysis
M2019-1528	1	146924	Alcohol Analysis
M2019-1529	1	146925	Alcohol Analysis
M2019-1531	1	146936	Alcohol Analysis
M2019-1532	1	146937	Alcohol Analysis
M2019-1533	1	146941	Alcohol Analysis
M2019-1560	1	147137	Alcohol Analysis
M2019-1574	1	147223	Alcohol Analysis
M2019-1579	1	147232	Alcohol Analysis
M2019-1606	1	147334	Alcohol Analysis

re-run next
run. JG 4/11/19



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Calibration Table
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General Calibration Setting

Calib. Data Modified : Wednesday, April 10, 2019 2:51:55 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	4.36675	1.14502e-2	No	No 1	ethanol
		2	1.00000e-1	8.81289	1.13470e-2			
		3	2.00000e-1	17.68171	1.13111e-2			
		4	3.00000e-1	26.24750	1.14297e-2			
		5	5.00000e-1	44.22082	1.13069e-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	4.53439	1.10269e-2	No	No 2	ethanol
		2	1.00000e-1	9.12128	1.09634e-2			
		3	2.00000e-1	18.55062	1.07813e-2			
		4	3.00000e-1	27.66423	1.08443e-2			
		5	5.00000e-1	46.96515	1.06462e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	46.54359	2.14852e-2	No	Yes 1	n-propanol
		2	1.00000	47.48743	2.10582e-2			
		3	1.00000	47.66465	2.09799e-2			
		4	1.00000	46.68369	2.14208e-2			
		5	1.00000	47.47346	2.10644e-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	49.01450	2.04021e-2	No	Yes 2	n-propanol
		2	1.00000	49.64529	2.01429e-2			
		3	1.00000	49.55303	2.01804e-2			
		4	1.00000	48.30924	2.07000e-2			
		5	1.00000	49.14894	2.03463e-2			

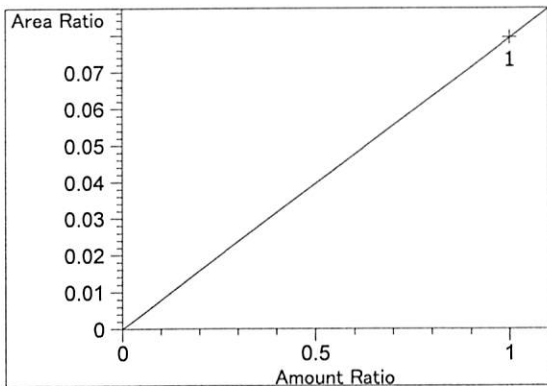
Peak Sum Table

No Entries in table

1 Warnings or Errors :

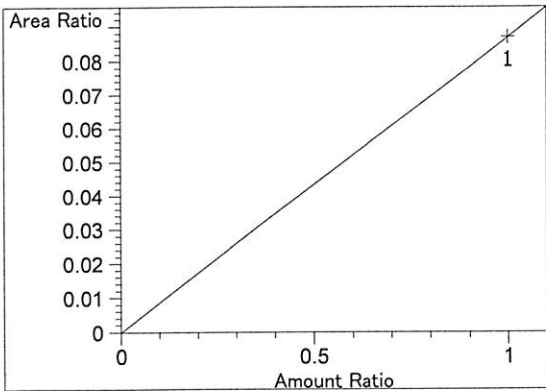
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

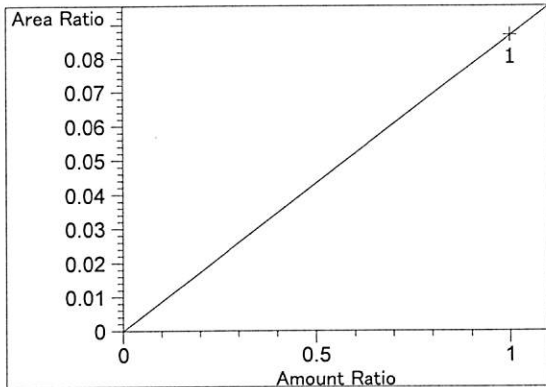


methanol at exp. RT: 2.586
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 7.94244e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

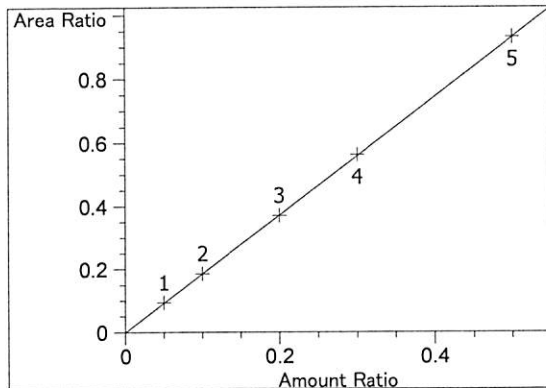
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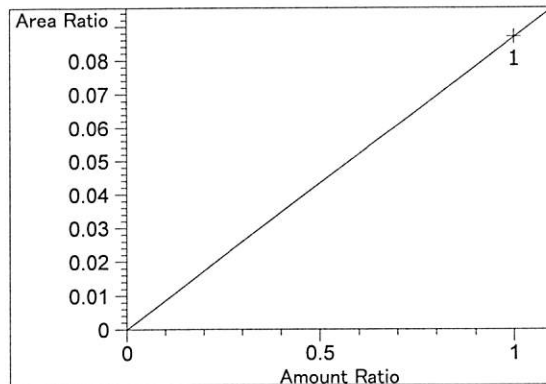
Acetaldehyde at exp. RT: 2.809
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.69335e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



Acetaldehyde at exp. RT: 2.977
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.69335e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

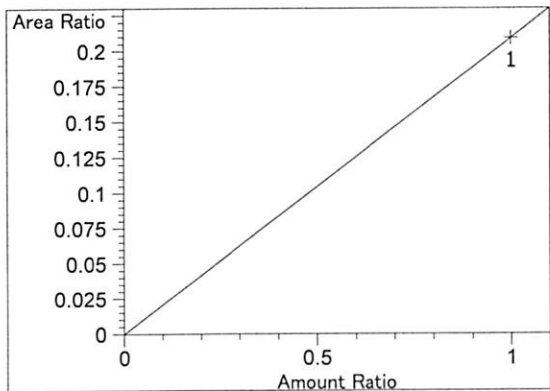


ethanol at exp. RT: 3.075
 FID1 A, Front Signal
 Correlation: 0.99998
 Residual Std. Dev.: 0.00214
 Formula: $y = mx + b$
 m: 1.86496
 b: -1.23555e-4
 x: Amount Ratio
 y: Area Ratio

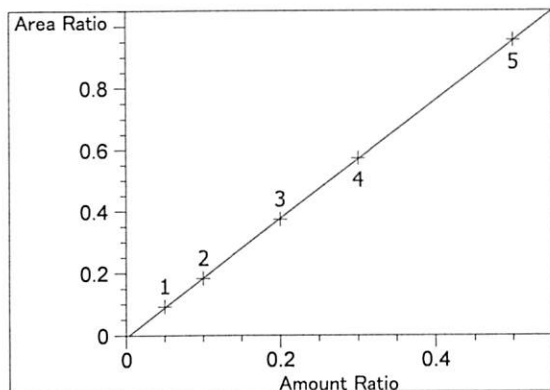


methanol at exp. RT: 3.388
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.69258e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

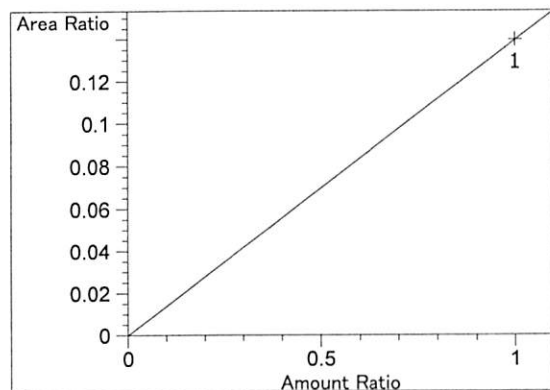
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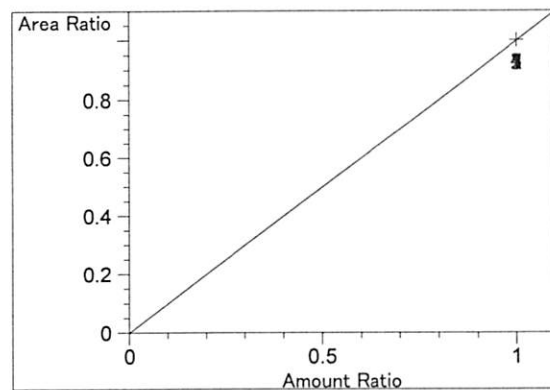
isopropyl alcohol at exp. RT: 3.628
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 2.09063e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



ethanol at exp. RT: 4.285
 FID2 B, Back Signal
 Correlation: 0.99997
 Residual Std. Dev.: 0.00325
 Formula: $y = mx + b$
 m: 1.92438
 b: -6.84525e-3
 x: Amount Ratio
 y: Area Ratio

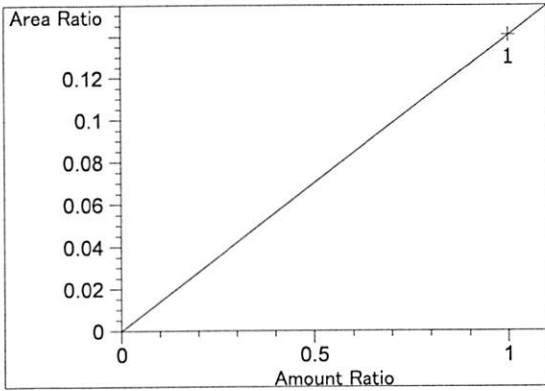


acetone at exp. RT: 4.308
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.39641e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

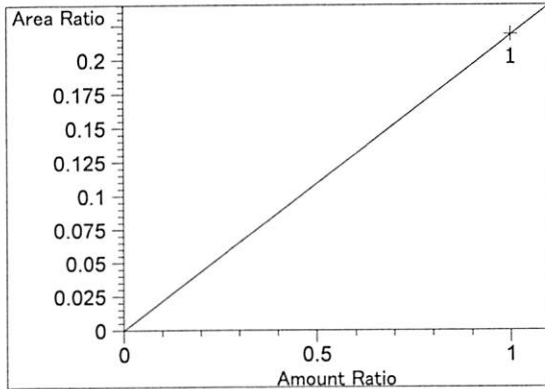


n-propanol at exp. RT: 4.620
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.00000
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

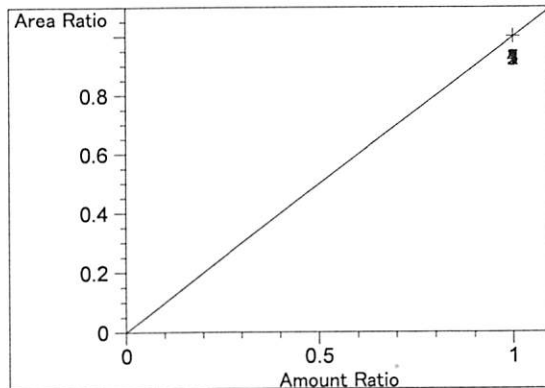
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acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.40632e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 2.18434e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



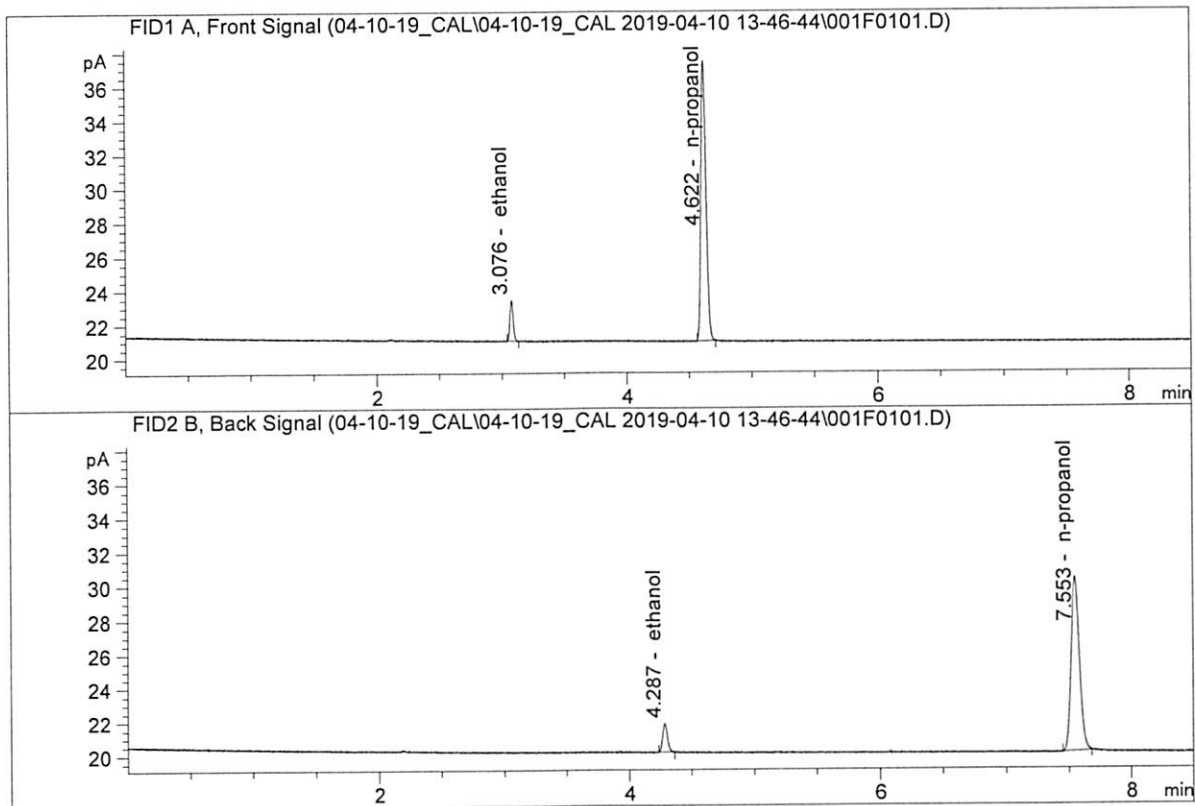
n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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ISP Forensic Services Blood Alcohol Report

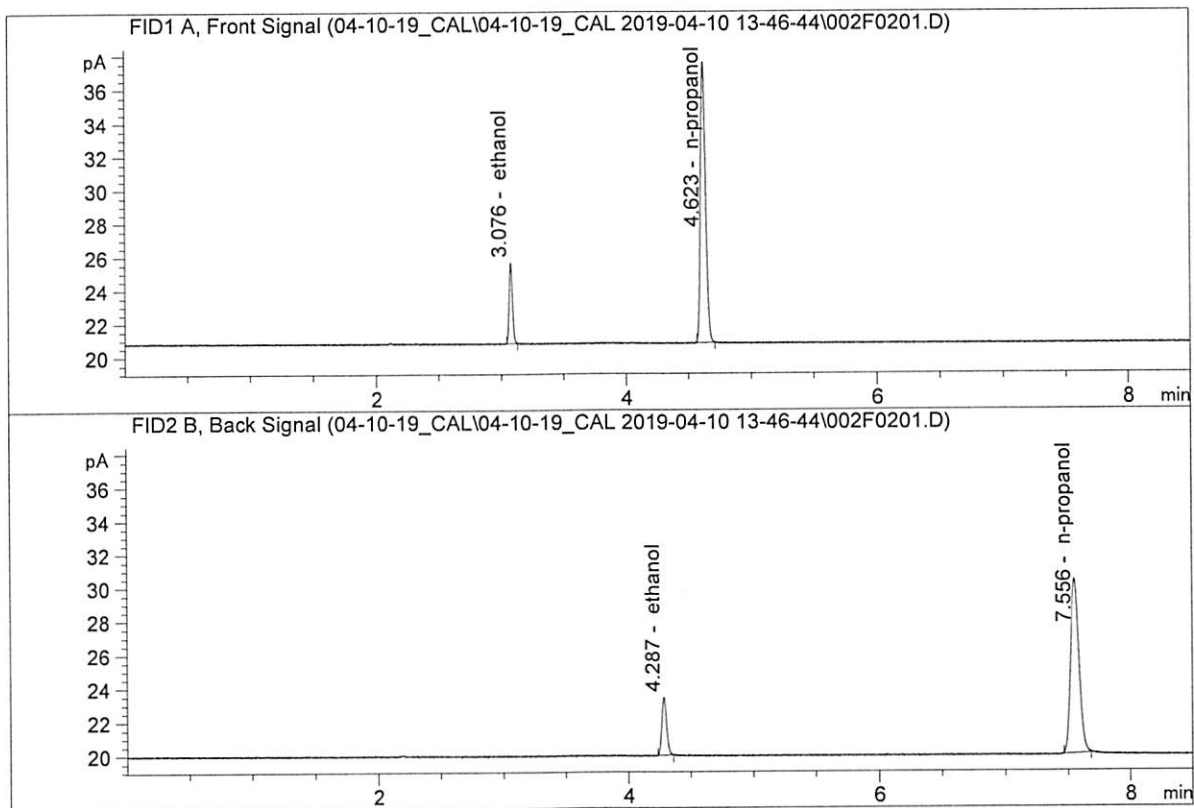
Sample Name : 0.050 FN04271601
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.36675	0.0504	g/100cc
2.	Ethanol	Column 2:	4.53439	0.0516	g/100cc
3.	n-Propanol	Column 1:	46.54359	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.01450	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN08101601
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

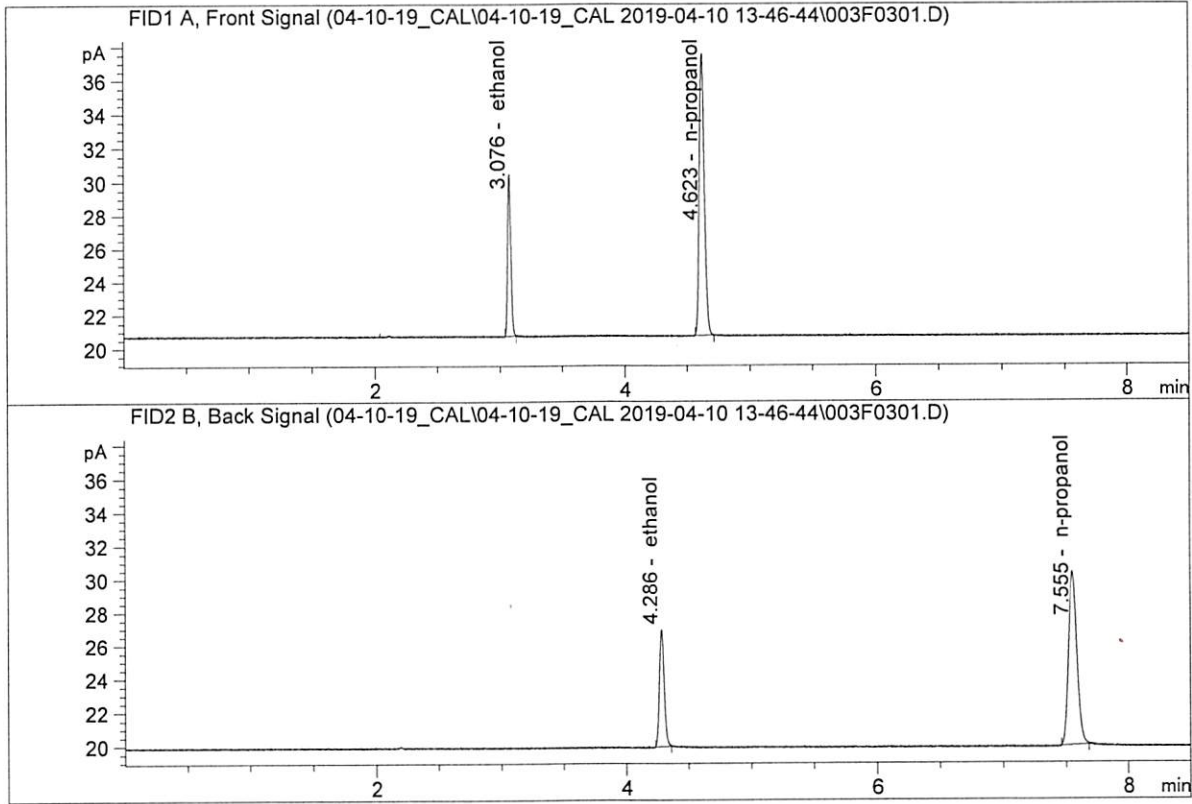


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.81289	0.0996	g/100cc
2.	Ethanol	Column 2:	9.12128	0.0990	g/100cc
3.	n-Propanol	Column 1:	47.48743	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.64529	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN03301601
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

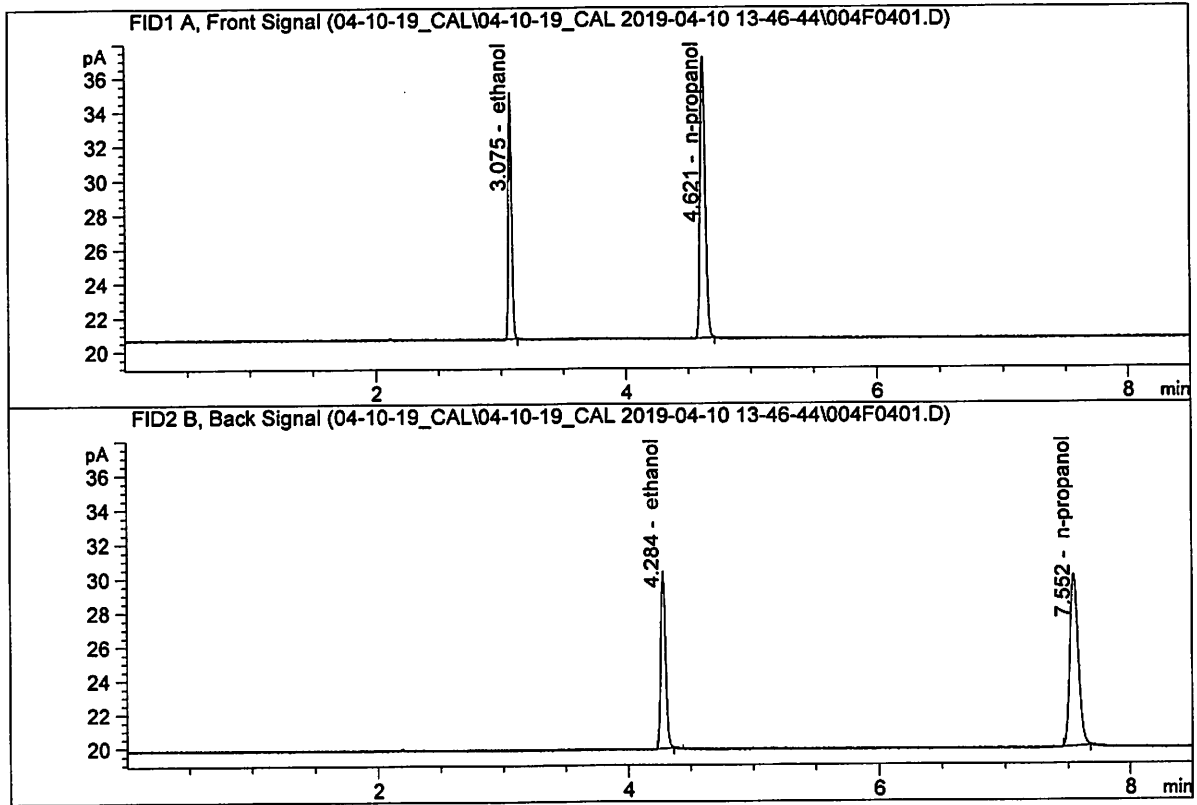


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.68171	0.1990	g/100cc
2.	Ethanol	Column 2:	18.55062	0.1981	g/100cc
3.	n-Propanol	Column 1:	47.66465	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.55303	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN02121601
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

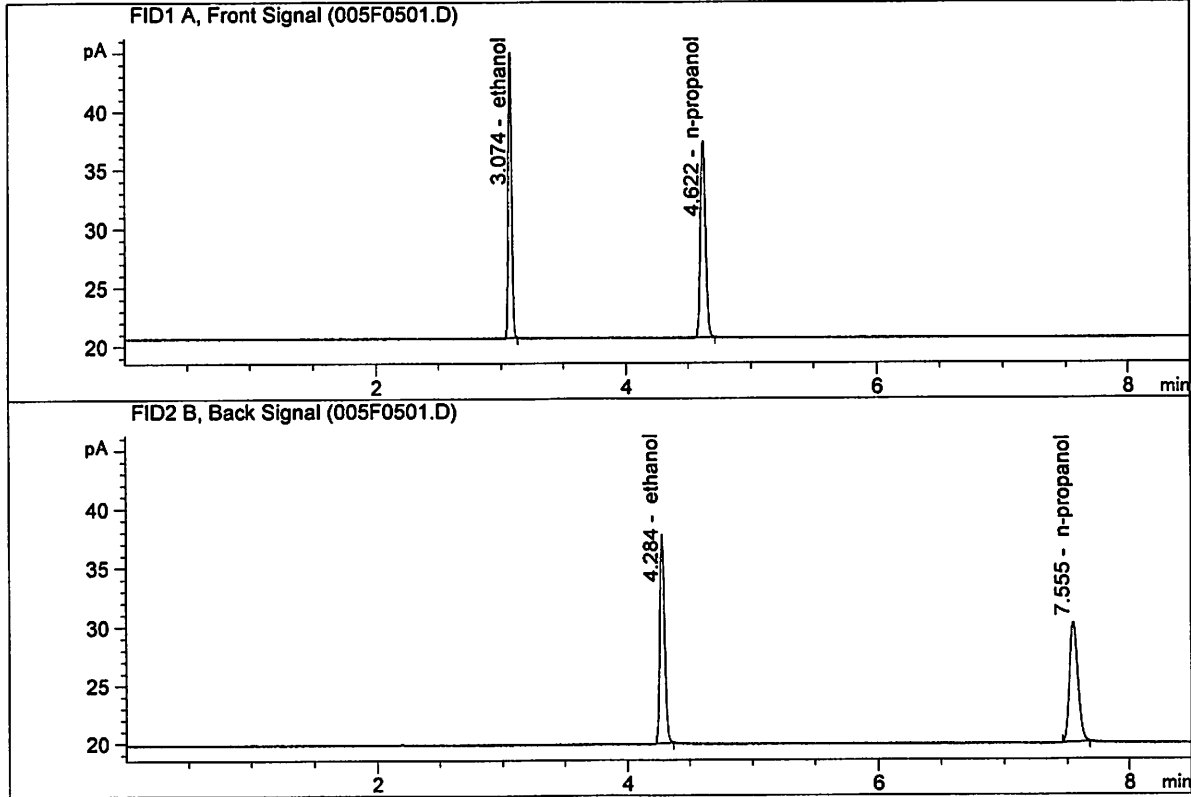


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.24750	0.3015	g/100cc
2.	Ethanol	Column 2:	27.66423	0.3011	g/100cc
3.	n-Propanol	Column 1:	46.68369	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.30924	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

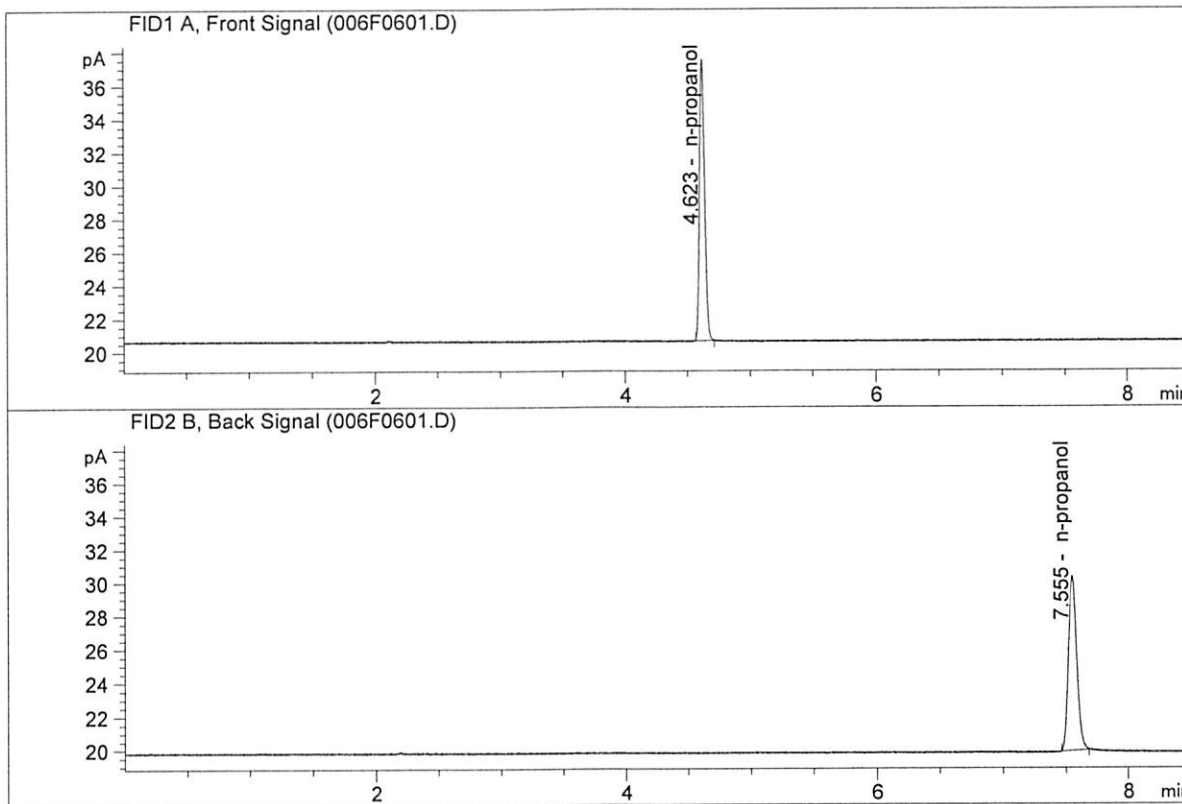
Sample Name : 0.500 FN08031602
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.22082	0.4995	g/100cc
2.	Ethanol	Column 2:	46.96515	0.5001	g/100cc
3.	n-Propanol	Column 1:	47.47346	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.14894	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : Apr 10, 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:	47.86829	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.64546	1.0000	g/100cc

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

Sequence table: C:\Chem32\1\Data\04-10-19_CAL\04-10-19_CAL 2019-04-10 13-46-44\04-10-19_CAL.S
 Data directory path: C:\Chem32\1\Data\04-10-19_CAL\04-10-19_CAL 2019-04-10 13-46-44\
 Logbook: C:\Chem32\1\Data\04-10-19_CAL\04-10-19_CAL 2019-04-10 13-46-44\04-10-19_CAL.LOG
 Sequence start: 4/10/2019 2:01:23 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

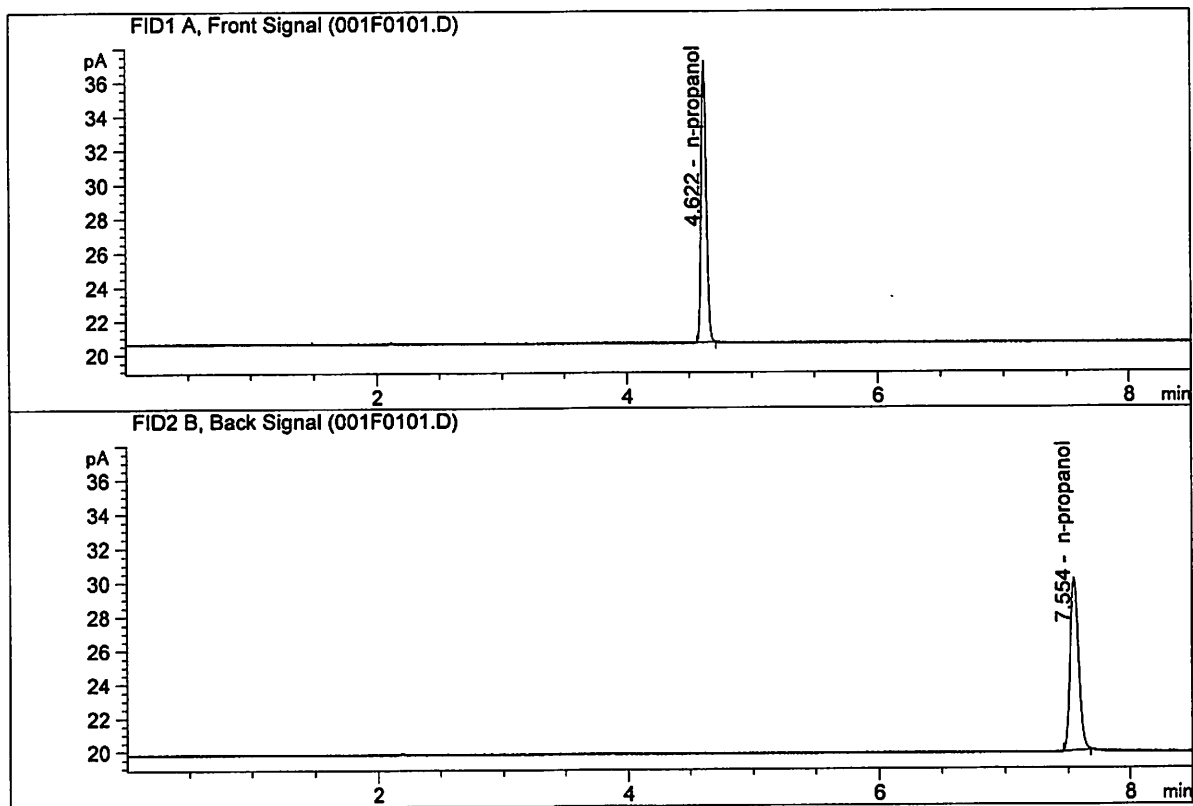
Method file name: C:\Chem32\1\Data\04-10-19_CAL\04-10-19_CAL 2019-04-10 13-46-44\ALCOHOL.M

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 FN08101601	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN03301601	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN02121601	-	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 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

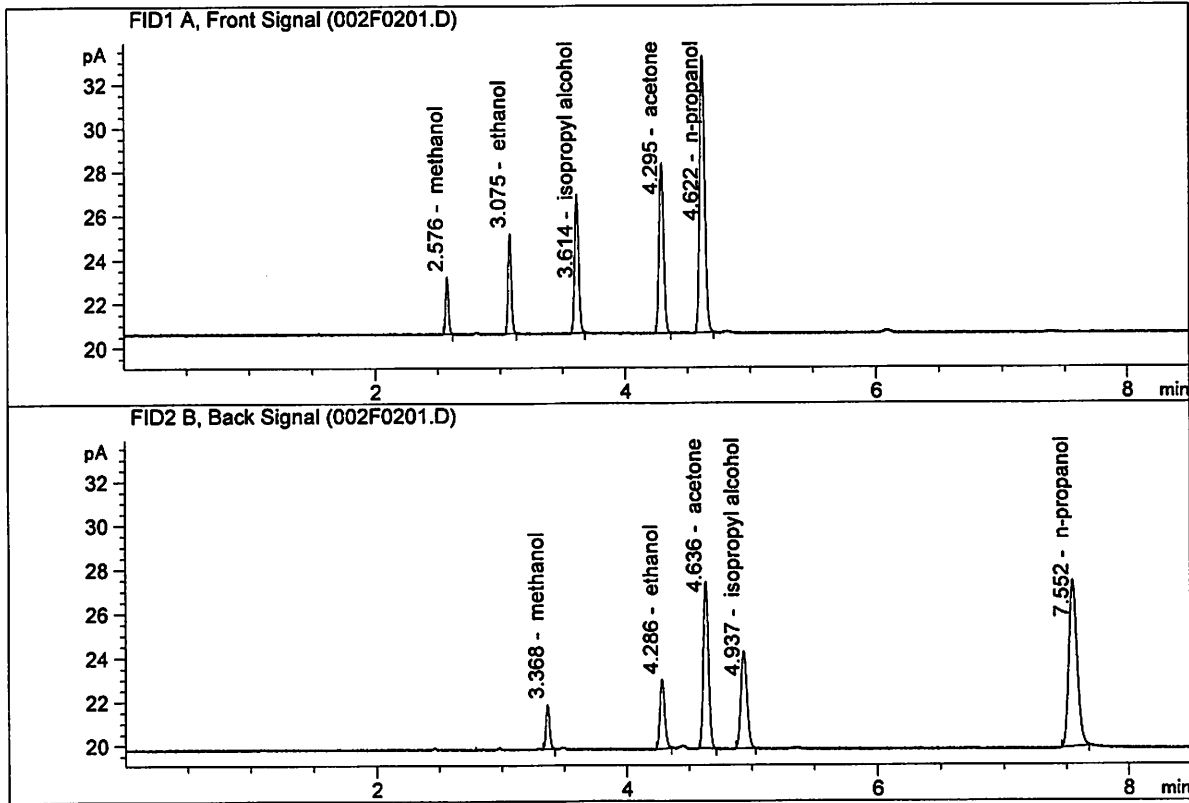


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	46.96895	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.88448	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.05032	0.1224	g/100cc
2.	Ethanol	Column 2:	8.29614	0.1226	g/100cc
3.	n-Propanol	Column 1:	35.27927	1.0000	g/100cc
4.	n-Propanol	Column 2:	36.20199	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 10 Apr 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0773	0.0782	0.0009	0.0777	0.0774	
(g/100cc)	0.0771	0.0771	0.0000	0.0771		

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.

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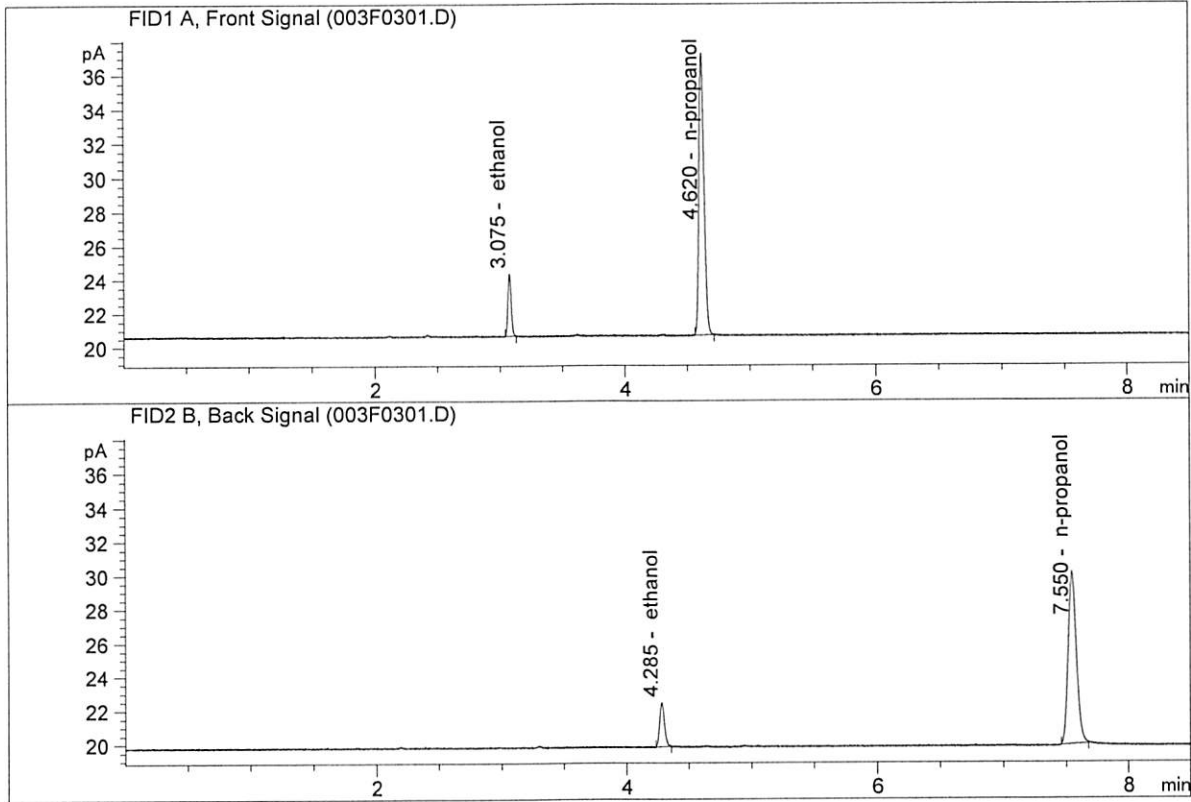
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

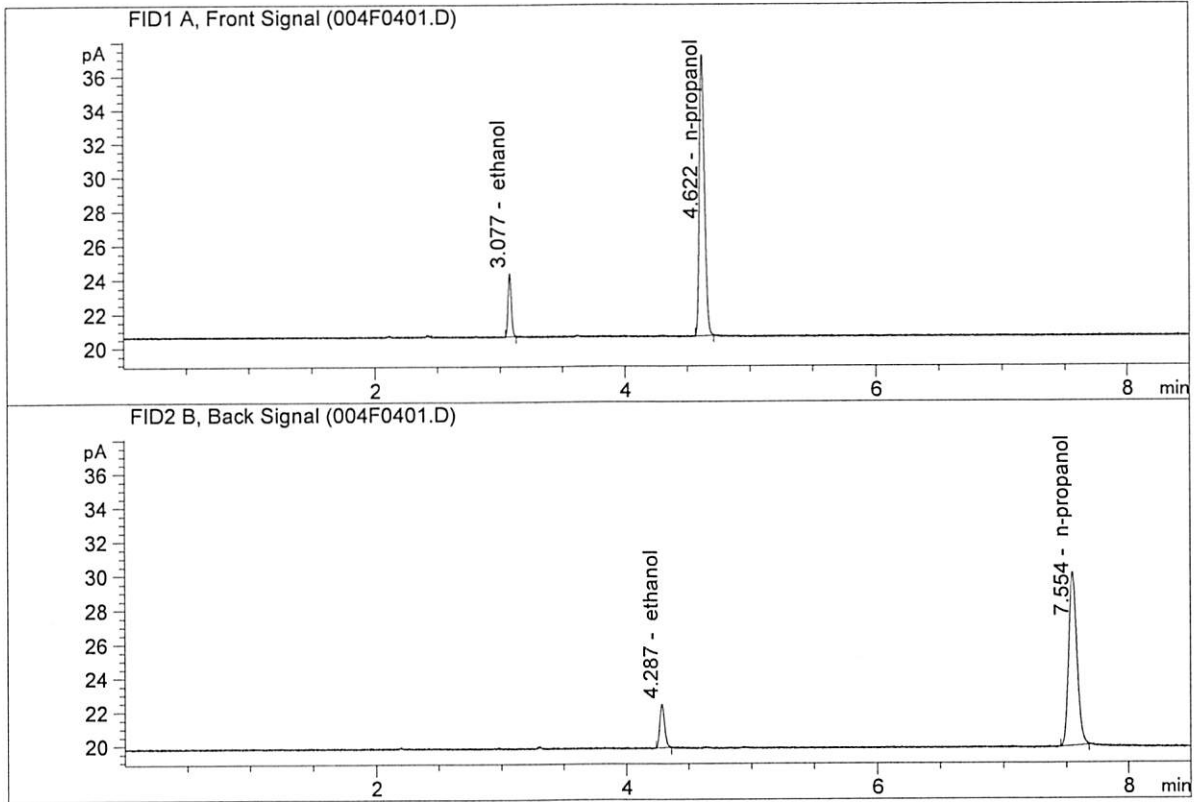


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.76894	0.0773	g/100cc
2.	Ethanol	Column 2:	6.96813	0.0782	g/100cc
3.	n-Propanol	Column 1:	47.01785	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.49159	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.75758	0.0771	g/100cc
2.	Ethanol	Column 2:	6.88630	0.0771	g/100cc
3.	n-Propanol	Column 1:	47.01755	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.68800	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701

Analysis Date(s): 10 Apr 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0796	0.0803	0.0007	0.0799	0.0797	
(g/100cc)	0.0794	0.0796	0.0002	0.0795		

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
0.079	0.075	0.083	0.004

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

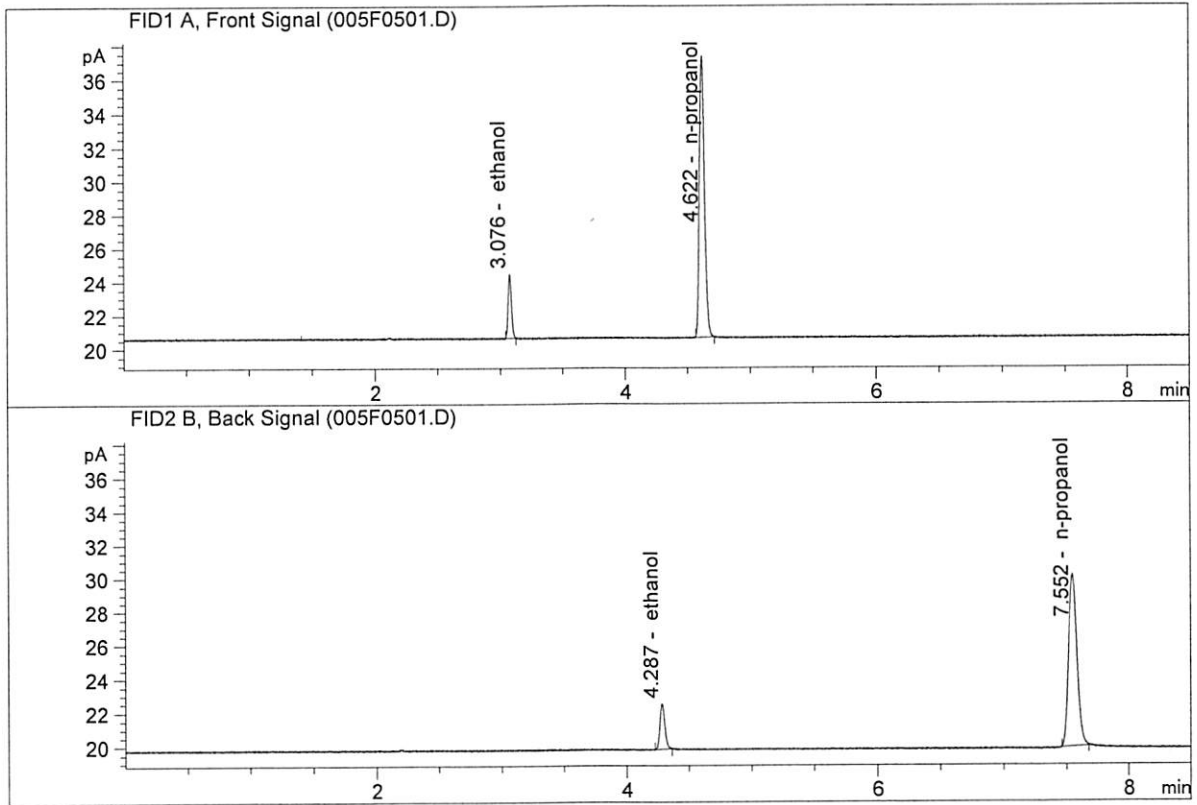
Revision: 1 *JG*

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

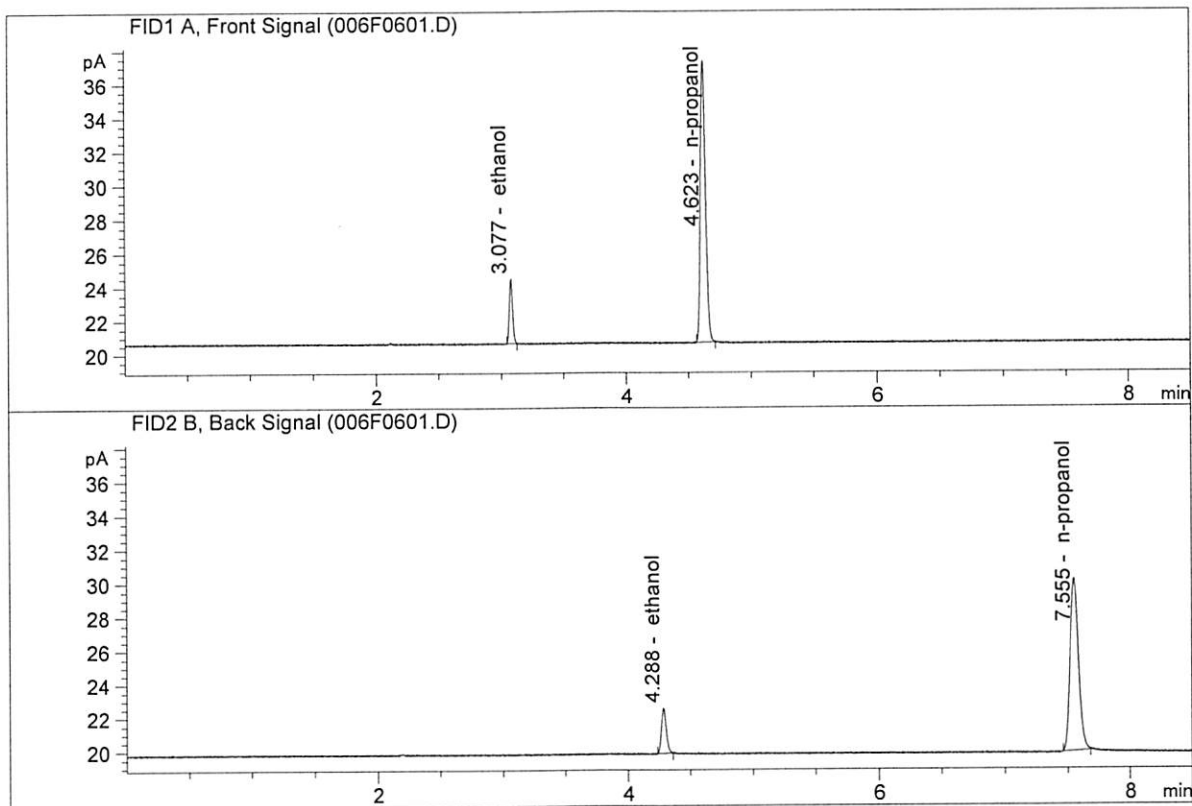
Sample Name : 0.08 FN04171701-A
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.02700	0.0796	g/100cc
2.	Ethanol	Column 2:	7.22626	0.0803	g/100cc
3.	n-Propanol	Column 1:	47.39237	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.94852	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.99542	0.0794	g/100cc
2.	Ethanol	Column 2:	7.15863	0.0796	g/100cc
3.	n-Propanol	Column 1:	47.29664	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.94258	1.0000	g/100cc

dg

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 10 Apr 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2035	0.2038	0.0003	0.2036	0.2039	
(g/100cc)	0.2046	0.2039	0.0007	0.2042		

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
0.203	0.192	0.214	0.011

	Reported Result	
	0.203	

Calibration and control data are stored centrally.

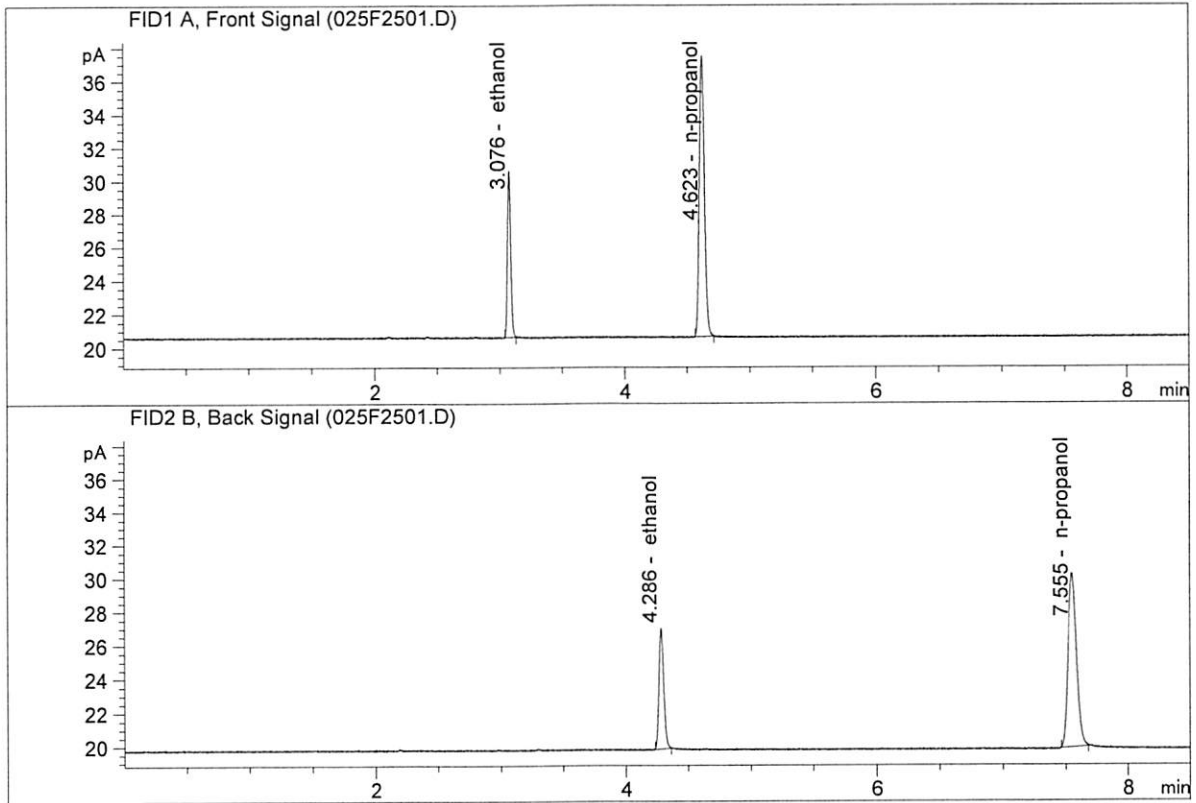
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

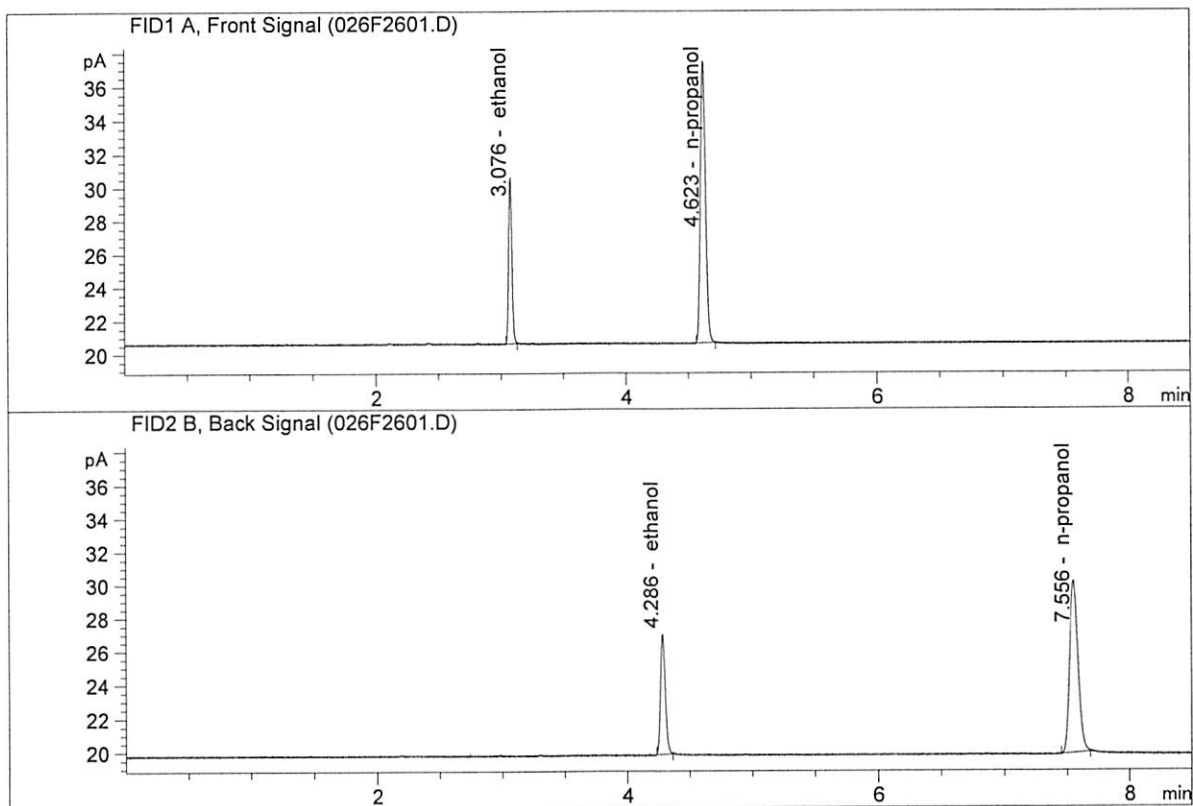


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.15804	0.2035	g/100cc
2.	Ethanol	Column 2:	18.95870	0.2038	g/100cc
3.	n-Propanol	Column 1:	47.85750	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.19177	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.21663	0.2046	g/100cc
2.	Ethanol	Column 2:	19.00222	0.2039	g/100cc
3.	n-Propanol	Column 1:	47.74796	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.28814	1.0000	g/100cc

dg

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 10 Apr 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0810	0.0819	0.0009	0.0814	0.0804	
(g/100cc)	0.0793	0.0795	0.0002	0.0794		

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.

JG

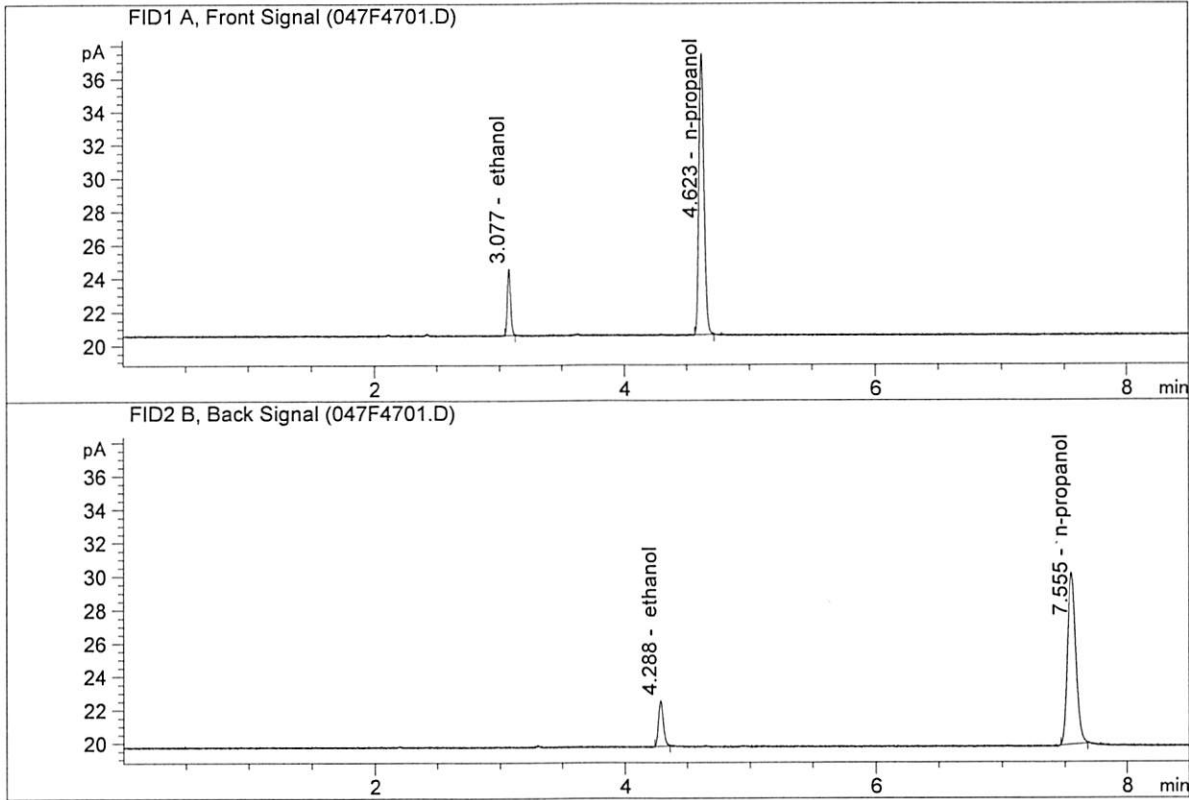
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

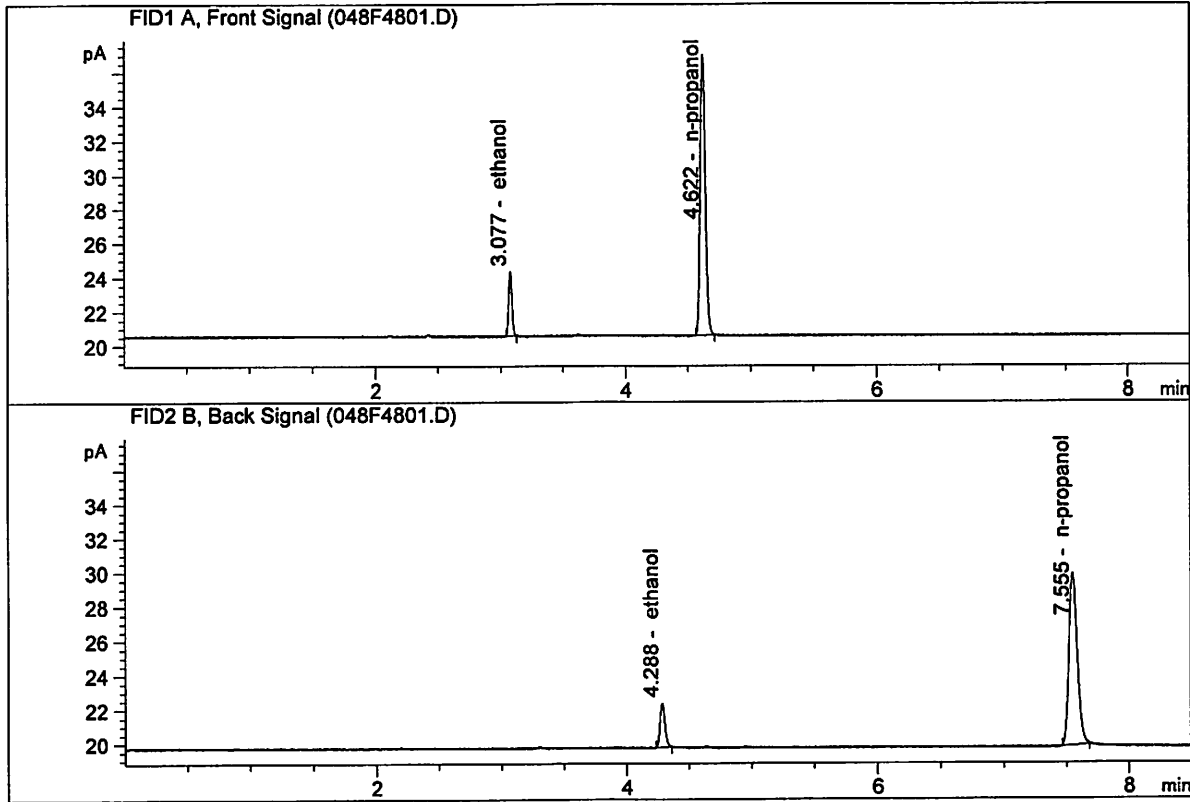
Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.22110	0.0810	g/100cc
2.	Ethanol	Column 2:	7.37058	0.0819	g/100cc
3.	n-Propanol	Column 1:	47.84742	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.91101	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : Apr 10, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.89485	0.0793	g/100cc
2.	Ethanol	Column 2:	6.98349	0.0795	g/100cc
3.	n-Propanol	Column 1:	46.64186	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.77028	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2

Analysis Date(s): 11 Apr 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2101	0.2105	0.0004	0.2103	0.2095	
(g/100cc)	0.2091	0.2085	0.0006	0.2088		

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
0.209	0.198	0.220	0.011

	Reported Result	
	0.209	

Calibration and control data are stored centrally.

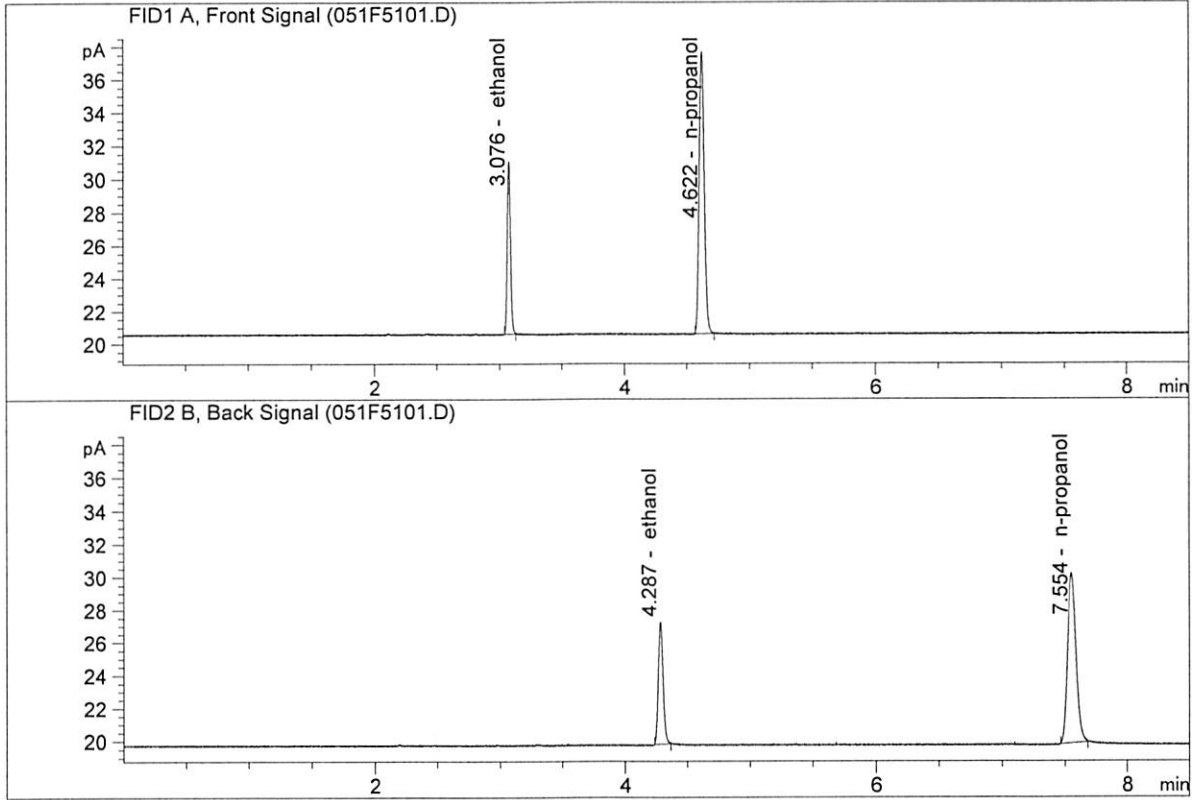
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
 Laboratory : Meridian
 Injection Date : Apr 11, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

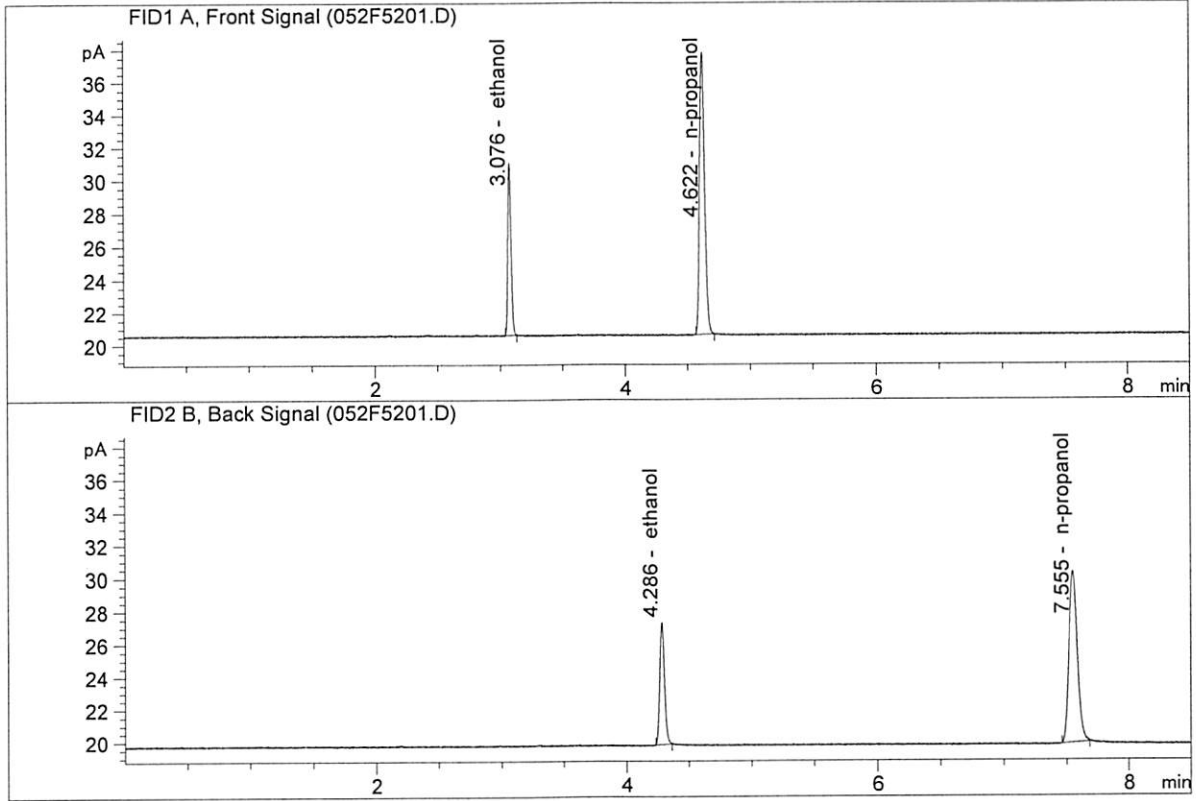


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.96459	0.2101	g/100cc
2.	Ethanol	Column 2:	19.71905	0.2105	g/100cc
3.	n-Propanol	Column 1:	48.40554	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.52496	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
 Laboratory : Meridian
 Injection Date : Apr 11, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

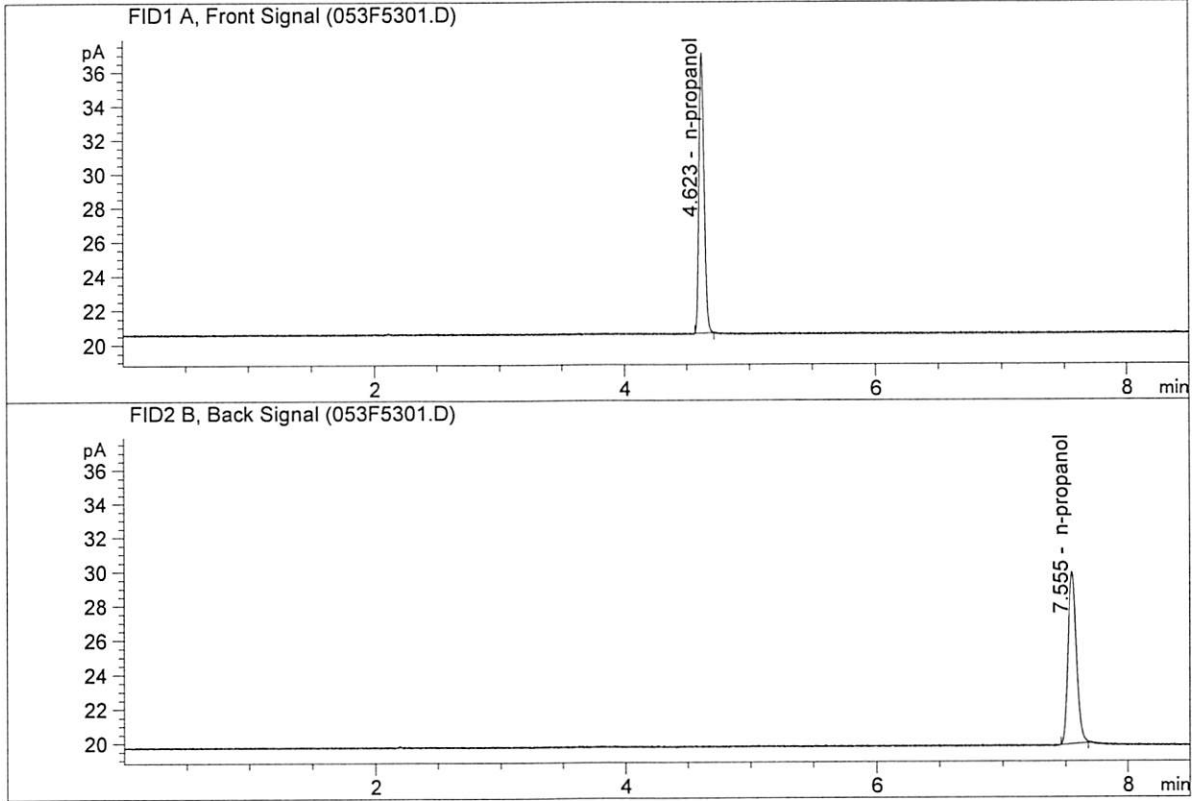


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.98286	0.2091	g/100cc
2.	Ethanol	Column 2:	19.72647	0.2085	g/100cc
3.	n-Propanol	Column 1:	48.69456	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.02232	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Apr 11, 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:	46.63916	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.70062	1.0000	g/100cc

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

Sequence table: C:\Chem32\1\Data\04-10-19_SAMPLES\04-10-19_SAMPLES 2019-04-10 15-11-43\04-10-19_SAMPLES.S
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 Sequence start: 4/10/2019 3:26:29 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\04-10-19_SAMPLES\04-10-19_SAMPLES 2019-04-10 15-11-43\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 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	M2019-1405-1-A	-	1.0000	007F0701.D		4
8	8	1	M2019-1405-1-B	-	1.0000	008F0801.D		4
9	9	1	M2019-1445-1-A	-	1.0000	009F0901.D		4
10	10	1	M2019-1445-1-B	-	1.0000	010F1001.D		4
11	11	1	M2019-1446-1-A	-	1.0000	011F1101.D		4
12	12	1	M2019-1446-1-B	-	1.0000	012F1201.D		4
13	13	1	M2019-1452-1-A	-	1.0000	013F1301.D		4
14	14	1	M2019-1452-1-B	-	1.0000	014F1401.D		4
15	15	1	M2019-1453-1-A	-	1.0000	015F1501.D		4
16	16	1	M2019-1453-1-B	-	1.0000	016F1601.D		4
17	17	1	M2019-1463-1-A	-	1.0000	017F1701.D		4
18	18	1	M2019-1463-1-B	-	1.0000	018F1801.D		4
19	19	1	M2019-1479-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-1479-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-1501-1-A	-	1.0000	021F2101.D		4
22	22	1	M2019-1501-1-B	-	1.0000	022F2201.D		4
23	23	1	M2019-1525-1-A	-	1.0000	023F2301.D		4
24	24	1	M2019-1525-1-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	M2019-1526-1-A	-	1.0000	027F2701.D		4
28	28	1	M2019-1526-1-B	-	1.0000	028F2801.D		4
29	29	1	M2019-1527-1-A	-	1.0000	029F2901.D		4
30	30	1	M2019-1527-1-B	-	1.0000	030F3001.D		4
31	31	1	M2019-1528-1-A	-	1.0000	031F3101.D		4
32	32	1	M2019-1528-1-B	-	1.0000	032F3201.D		4
33	33	1	M2019-1529-1-A	-	1.0000	033F3301.D		2
34	34	1	M2019-1529-1-B	-	1.0000	034F3401.D		2
35	35	1	M2019-1531-1-A	-	1.0000	035F3501.D		4
36	36	1	M2019-1531-1-B	-	1.0000	036F3601.D		4
37	37	1	M2019-1532-1-A	-	1.0000	037F3701.D		4
38	38	1	M2019-1532-1-B	-	1.0000	038F3801.D		4
39	39	1	M2019-1533-1-A	-	1.0000	039F3901.D		4
40	40	1	M2019-1533-1-B	-	1.0000	040F4001.D		4
41	41	1	M2019-1560-1-A	-	1.0000	041F4101.D		4
42	42	1	M2019-1560-1-B	-	1.0000	042F4201.D		4
43	43	1	M2019-1574-1-A	-	1.0000	043F4301.D		4

return next run Se

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Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	M2019-1574-1-B	-	1.0000	044F4401.D	4
45	45	1	M2019-1579-1-A	-	1.0000	045F4501.D	2
46	46	1	M2019-1579-1-B	-	1.0000	046F4601.D	2
47	47	1	QC1-2-A	-	1.0000	047F4701.D	4
48	48	1	QC1-2-B	-	1.0000	048F4801.D	4
49	49	1	M2019-1606-1-A	-	1.0000	049F4901.D	4
50	50	1	M2019-1606-1-B	-	1.0000	050F5001.D	4
51	51	1	QC2-2-A	-	1.0000	051F5101.D	4
52	52	1	QC2-2-B	-	1.0000	052F5201.D	4
53	53	1	INTERNAL STD BLK	-	1.0000	053F5301.D	2

Method file name: C:\Chem32\1\Data\04-10-19_SAMPLES\04-10-19_SAMPLES 2019-04-10 15-11-43
 \SHUTDOWN.M

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

26