Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls

Run Date(s): 8/3/18-8/4/18

Calibration Date: 08/01/18

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0731	0.0731-0.0893	0.0758 g/100cc
					0.0798 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2019 g/100cc
					0.2120 g/100cc
					g/100cc

Multi-Component mixture:	**Exp date: Sept 2020**		**Lot #**	FN06041502	OK
Curve Fit:		**Column 1**	0.99991	**Column2**	0.99981

Ethanol Calibration Reference Material

Calibrator level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0536	0.0550	0.0014	0.0543
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Aug-21	FN08101601	0.100	0.090 - 0.110	0.0975	0.0974	0.0001	0.0974
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1985	0.1970	0.0015	0.1977
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2991	0.2985	0.0006	0.2988
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Sep-21	FN08031602	0.500	0.450 - 0.550	0.5013	0.5021	0.0008	0.5017

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	~~Nov-20~~ JG May-22	FN04171701	0.08000	0.076 - 0.084	0.078 g/100cc

~Any information on this document can be changed for laboratory use, except for the precision and mean determination fomulas.

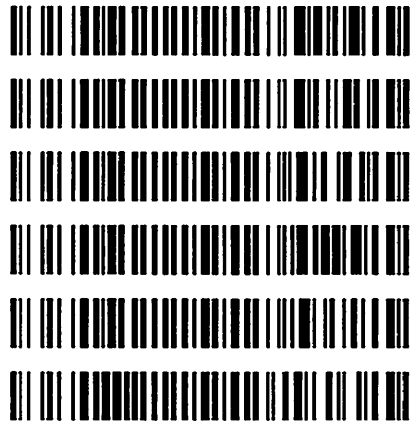
JG

Worklist: 2616

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2018-3615	4	122369	Alcohol Analysis
M2018-3639	1	121932	Alcohol Analysis
M2018-3640	1	121936	Alcohol Analysis
M2018-3641	1	121937	Alcohol Analysis
M2018-3641	2	121941	Alcohol Analysis
M2018-3641	3	121945	Alcohol Analysis
M2018-3642	1	122021	Alcohol Analysis
M2018-3643	1	122027	Alcohol Analysis
M2018-3644	1	122032	Alcohol Analysis
M2018-3648	1	122062	Alcohol Analysis
M2018-3649	1	122067	Alcohol Analysis
M2018-3650	1	122071	Alcohol Analysis
M2018-3651	1	122081	Alcohol Analysis
M2018-3652	1	122085	Alcohol Analysis
M2018-3653	1	122095	Alcohol Analysis
M2018-3658	1	122171	Alcohol Analysis
M2018-3659	1	122172	Alcohol Analysis
M2018-3660	1	122176	Alcohol Analysis
M2018-3673	1	122244	Alcohol Analysis
M2018-3678	1	122349	Alcohol Analysis
M2018-3679	1	122350	Alcohol Analysis
M2018-3694	1	122368	Alcohol Analysis
M2018-3702	1	122403	Alcohol Analysis

Worklist: 2616

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2018-3708	1	122416	Alcohol Analysis
M2018-3709	1	122420	Alcohol Analysis
M2018-3759	1	122517	Alcohol Analysis
M2018-3762	1	122561	Alcohol Analysis
M2018-3773	1	122602	Alcohol Analysis
P2018-1239	1	121180	Alcohol Analysis



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

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, August 01, 2018 11:12:59 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

JC

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	4.50304	1.11036e-2	No	No	1	ethanol
		2	1.00000e-1	9.55978	1.04605e-2				
		3	2.00000e-1	19.01844	1.05161e-2				
		4	3.00000e-1	28.44850	1.05454e-2				
		5	5.00000e-1	47.58224	1.05081e-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	4.60733	1.08523e-2	No	No	2	ethanol
		2	1.00000e-1	9.83303	1.01698e-2				
		3	2.00000e-1	19.78436	1.01090e-2				
		4	3.00000e-1	29.87221	1.00428e-2				
		5	5.00000e-1	50.32014	9.93638e-3				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	42.45125	2.35564e-2	No	Yes	1	n-propanol
		2	1.00000	50.31847	1.98734e-2				
		3	1.00000	49.67036	2.01327e-2				
		4	1.00000	49.47174	2.02136e-2				
		5	1.00000	49.49506	2.02040e-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	43.90464	2.27766e-2	No	Yes	2	n-propanol
		2	1.00000	52.12196	1.91858e-2				
		3	1.00000	51.30992	1.94894e-2				
		4	1.00000	50.96388	1.96217e-2				
		5	1.00000	50.89685	1.96476e-2				

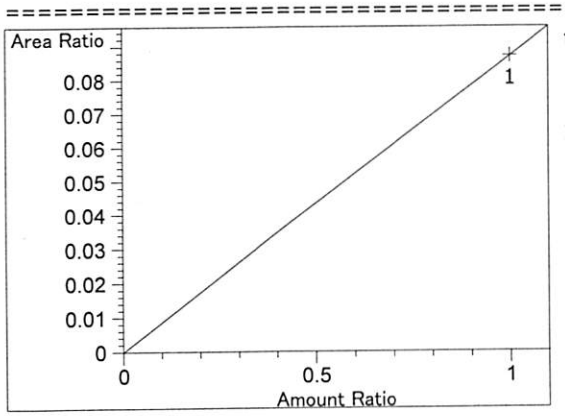
Peak Sum Table

No Entries in table

1 Warnings or Errors :

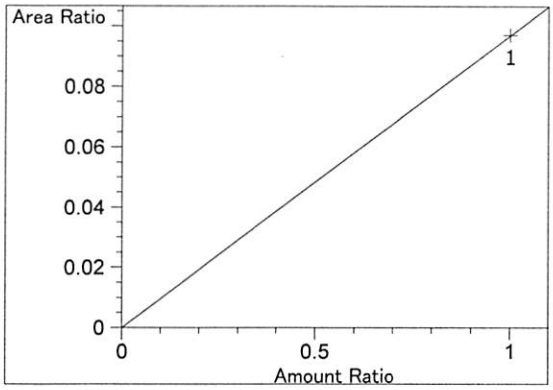
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

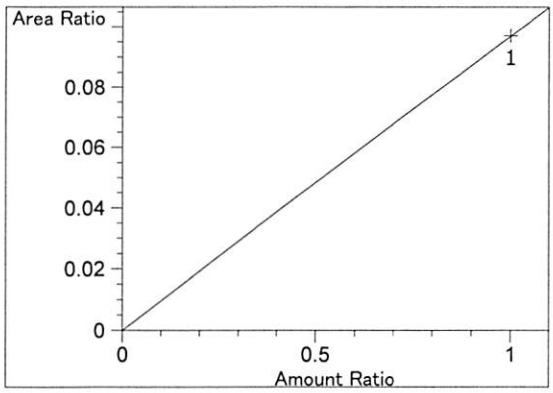


methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.70809e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

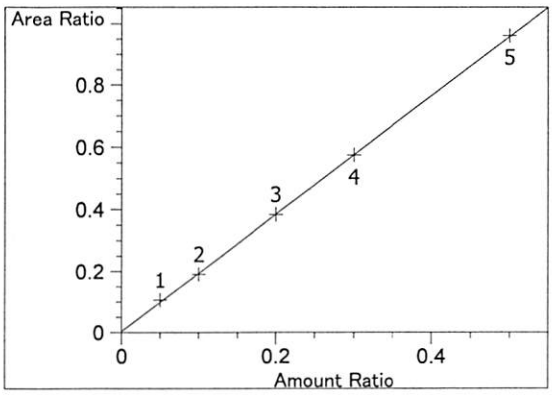
JG



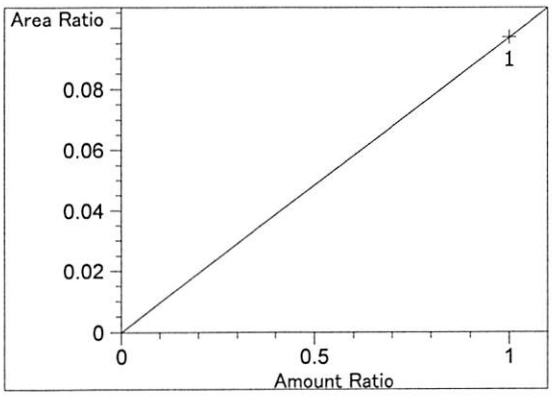
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.70512e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



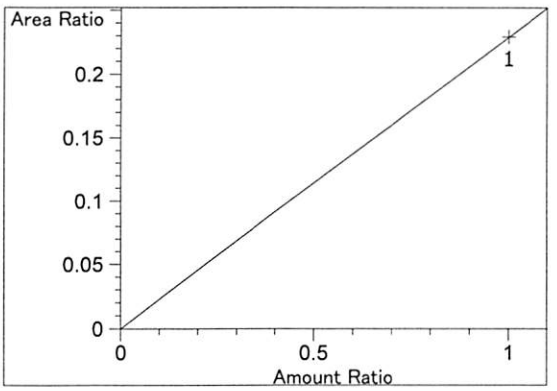
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.70512e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



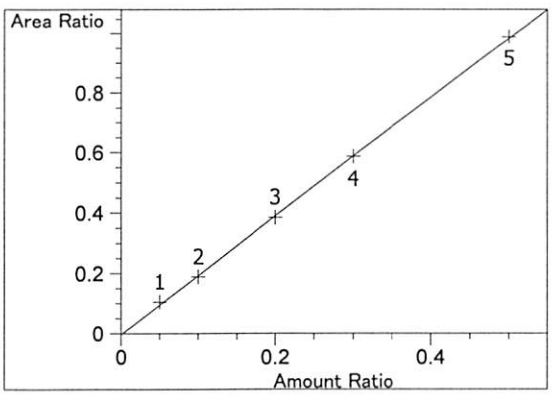
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99991
Residual Std. Dev.: 0.00539
Formula: y = mx + b
m: 1.91047
b: 3.66267e-3
x: Amount Ratio
y: Area Ratio



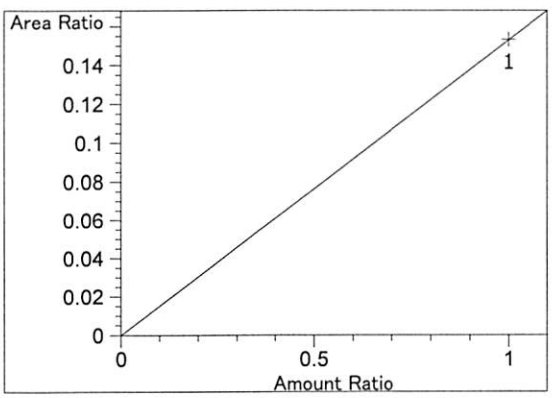
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.70427e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



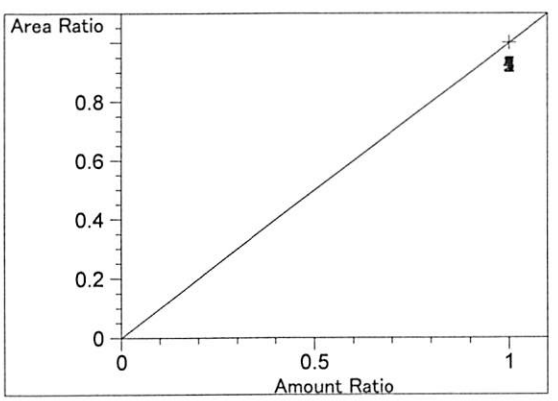
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.29217e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



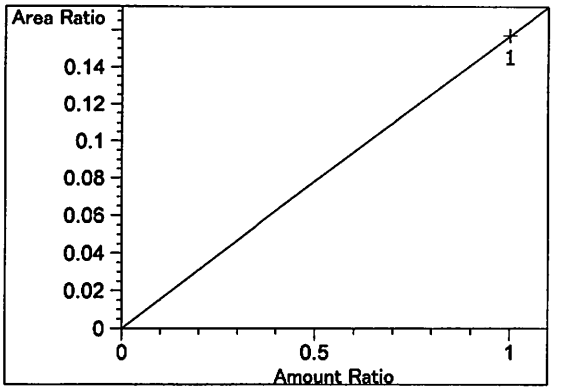
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99981
Residual Std. Dev.: 0.00790
Formula: y = mx + b
m: 1.97648
b: -3.79114e-3
x: Amount Ratio
y: Area Ratio



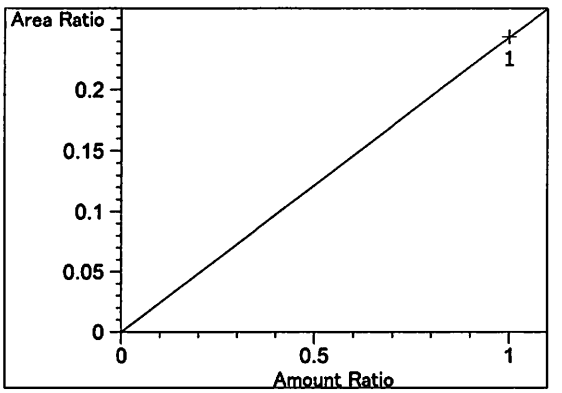
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.53103e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



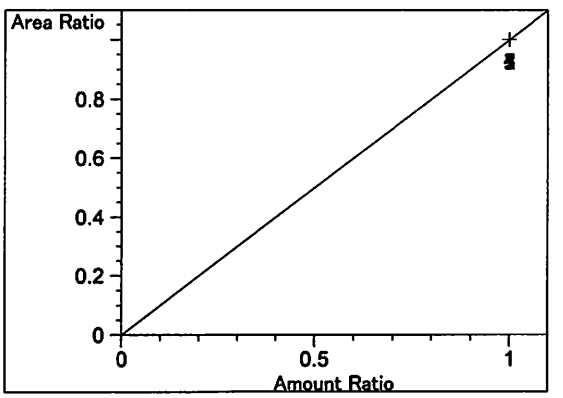
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.57000e-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: 2.43856e-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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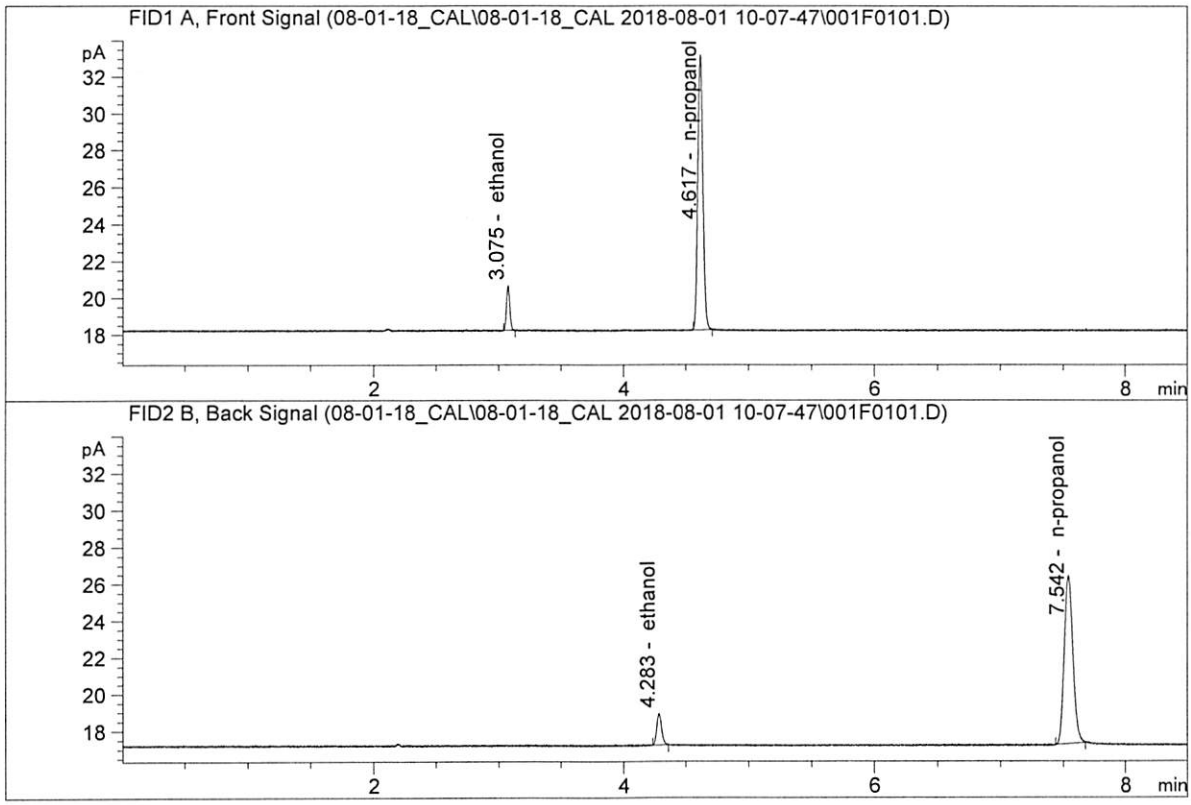
JC

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406
Laboratory : Meridian
Injection Date : Aug 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

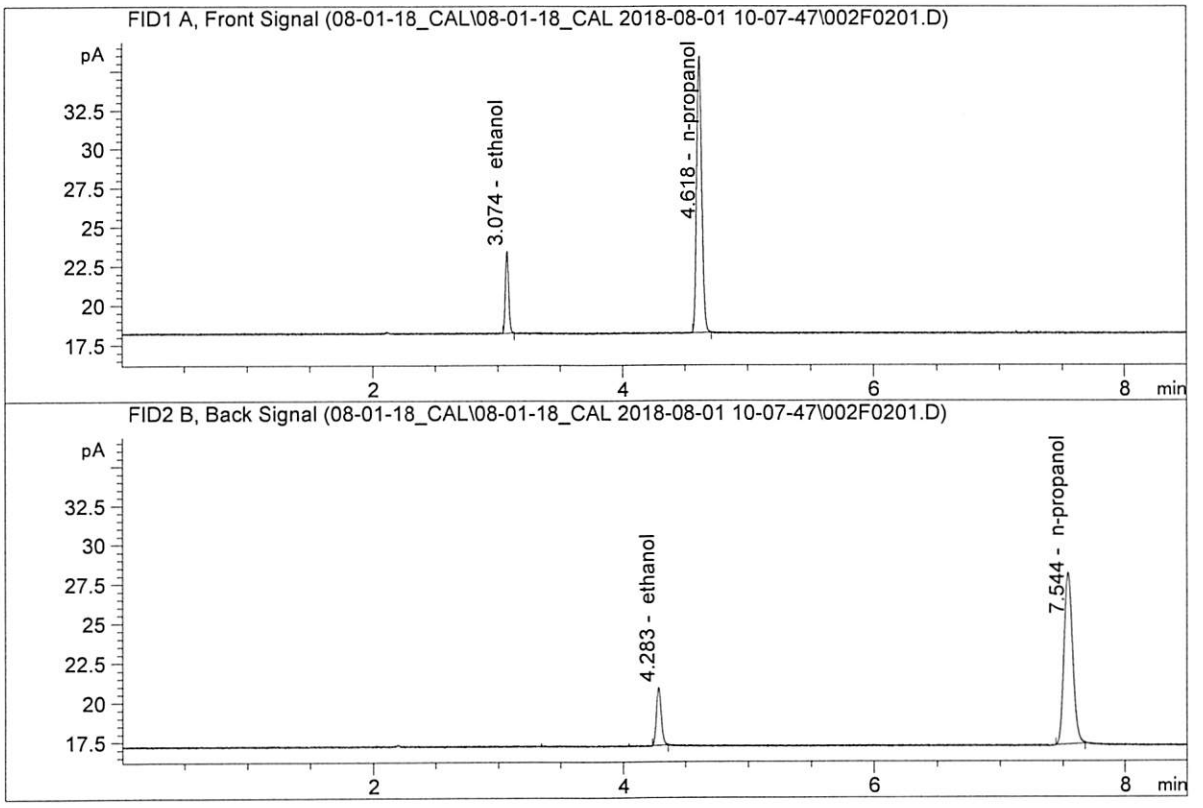


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.50304	0.0536	g/100cc
2.	Ethanol	Column 2:	4.60733	0.0550	g/100cc
3.	n-Propanol	Column 1:	42.45125	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.90464	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN08101601
Laboratory : Meridian
Injection Date : Aug 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

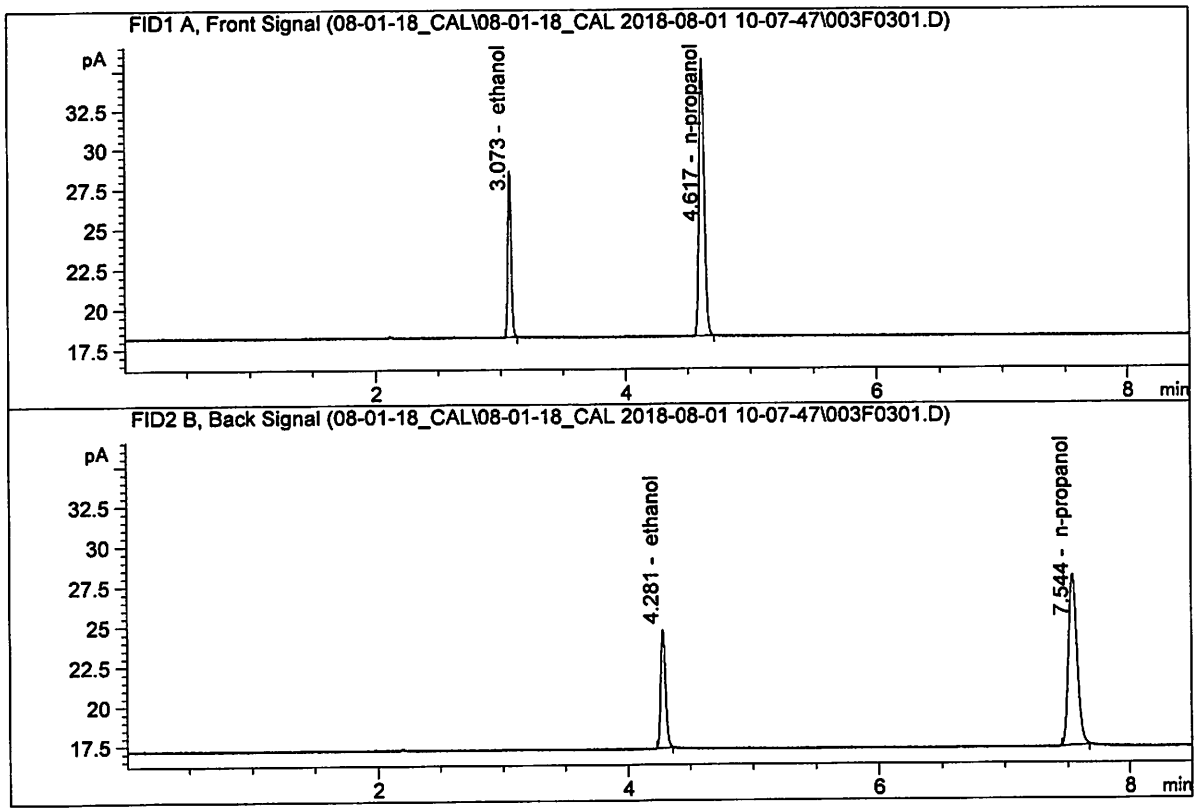


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.55978	0.0975	g/100cc
2.	Ethanol	Column 2:	9.83303	0.0974	g/100cc
3.	n-Propanol	Column 1:	50.31847	1.0000	g/100cc
4.	n-Propanol	Column 2:	52.12196	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

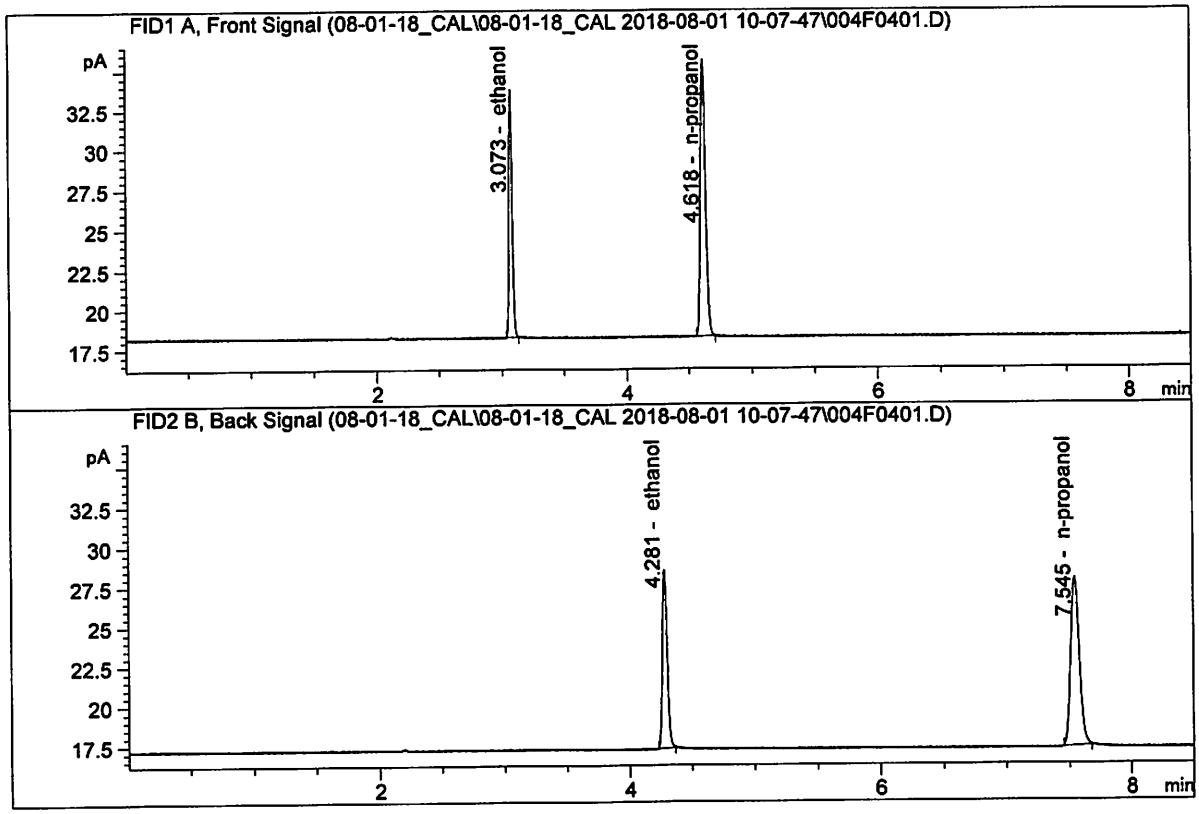
Sample Name : 0.200 FN03301601
Laboratory : Meridian
Injection Date : Aug 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.01844	0.1985	g/100cc
2.	Ethanol	Column 2:	19.78436	0.1970	g/100cc
3.	n-Propanol	Column 1:	49.67036	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.30992	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN02121601
Laboratory : Meridian
Injection Date : Aug 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

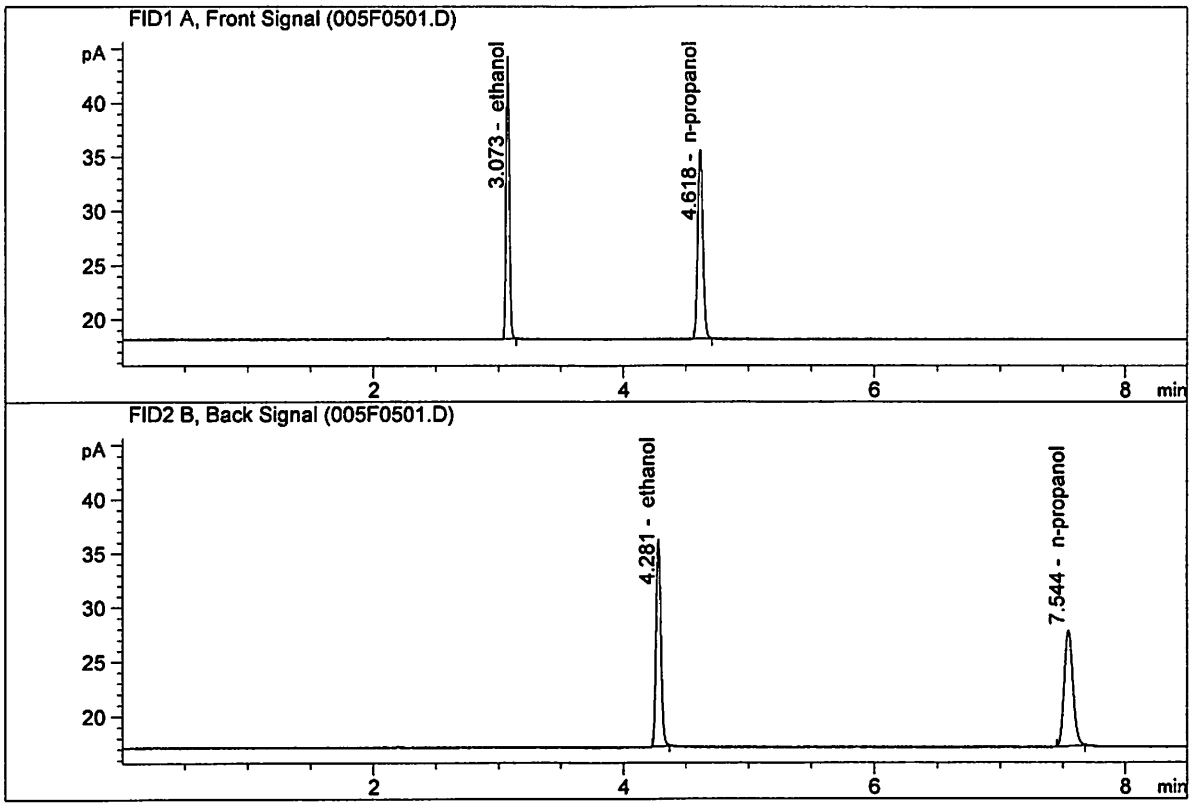


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	28.44850	0.2991	g/100cc
2.	Ethanol	Column 2:	29.87221	0.2985	g/100cc
3.	n-Propanol	Column 1:	49.47174	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.96388	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Aug 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

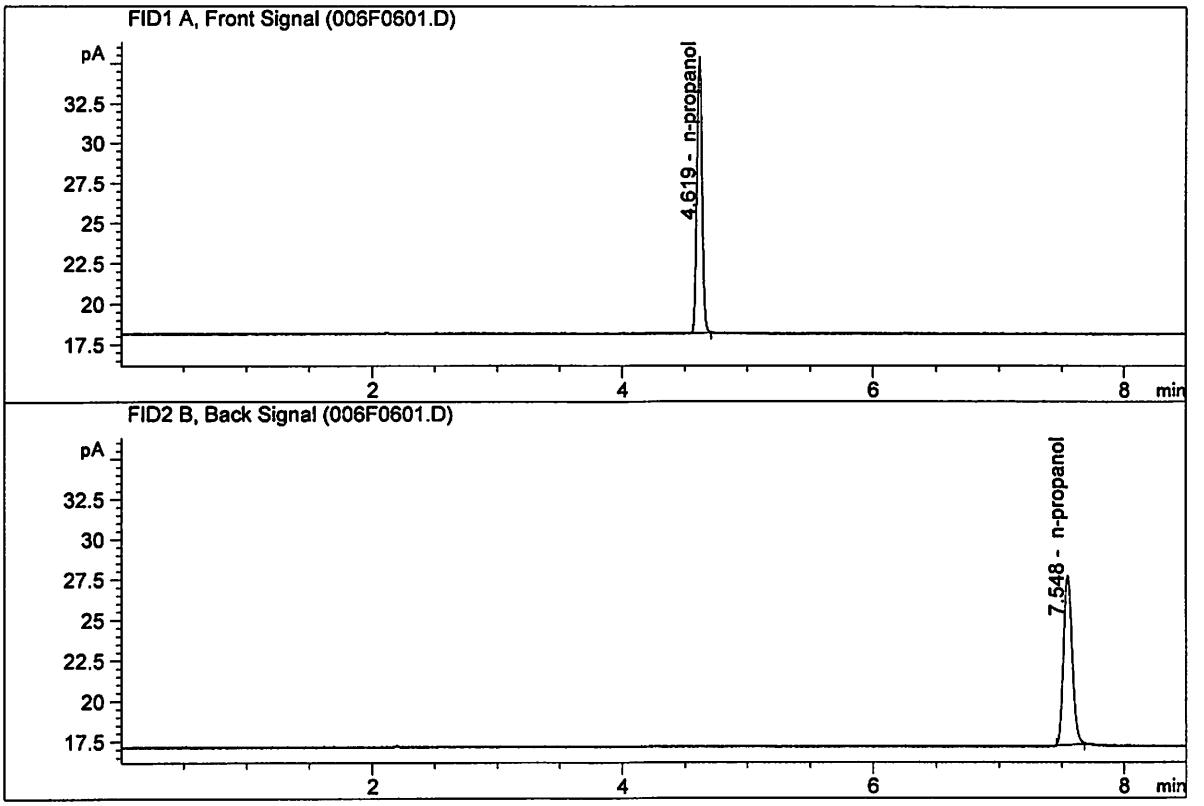


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	47.58224	0.5013	g/100cc
2.	Ethanol	Column 2:	50.32014	0.5021	g/100cc
3.	n-Propanol	Column 1:	49.49506	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.89685	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Aug 1, 2018
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:	48.96428	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.36459	1.0000	g/100cc

JL

Sequence File C:\Chem32\1\Data\08-01-18_CAL\08-01-18_CAL 2018-08-01 10-07-47\08-01-18_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\08-01-18_CAL\08-01-18_CAL 2018-08-01 10-07-47\08-01-18_CAL.S
Data directory path: C:\Chem32\1\Data\08-01-18_CAL\08-01-18_CAL 2018-08-01 10-07-47\
Logbook: C:\Chem32\1\Data\08-01-18_CAL\08-01-18_CAL 2018-08-01 10-07-47\08-01-18_CAL.LOG
Sequence start: 8/1/2018 10:22:27 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

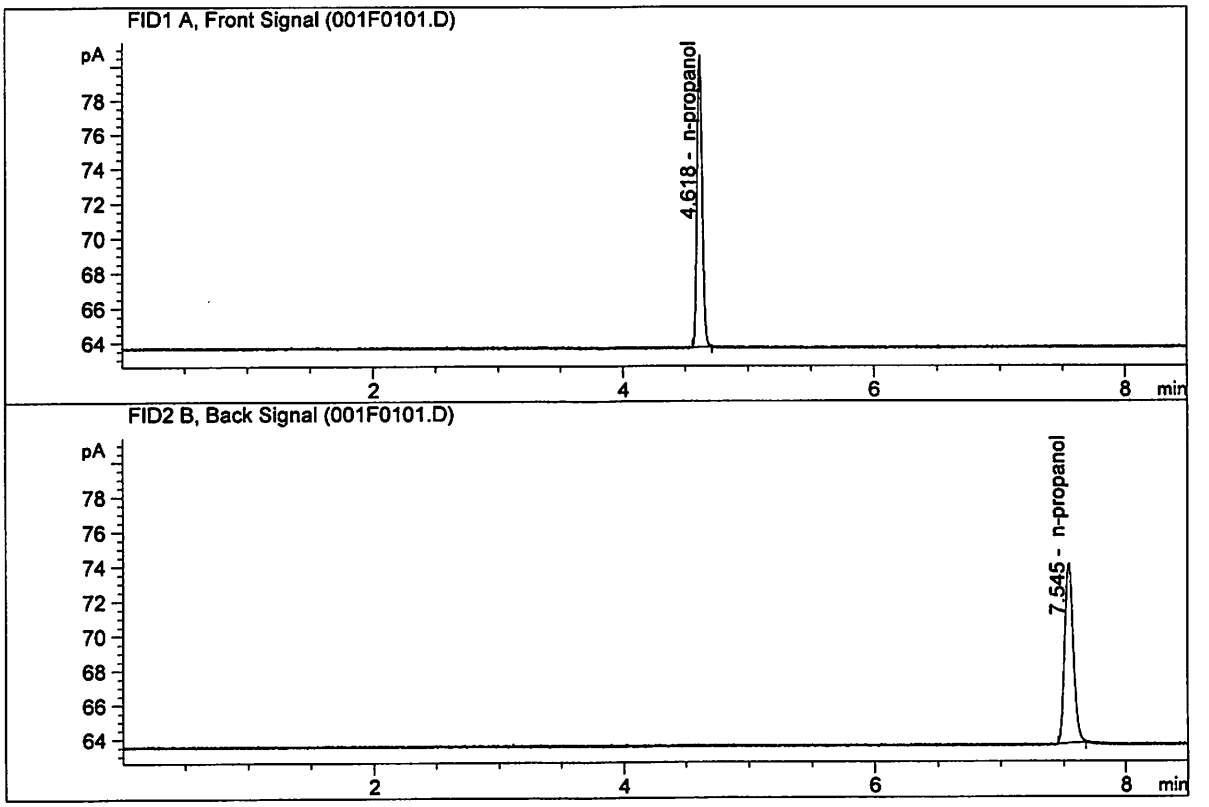
Method file name: C:\Chem32\1\Data\08-01-18_CAL\08-01-18_CAL 2018-08-01 10-07-47\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN06231406	-	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

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

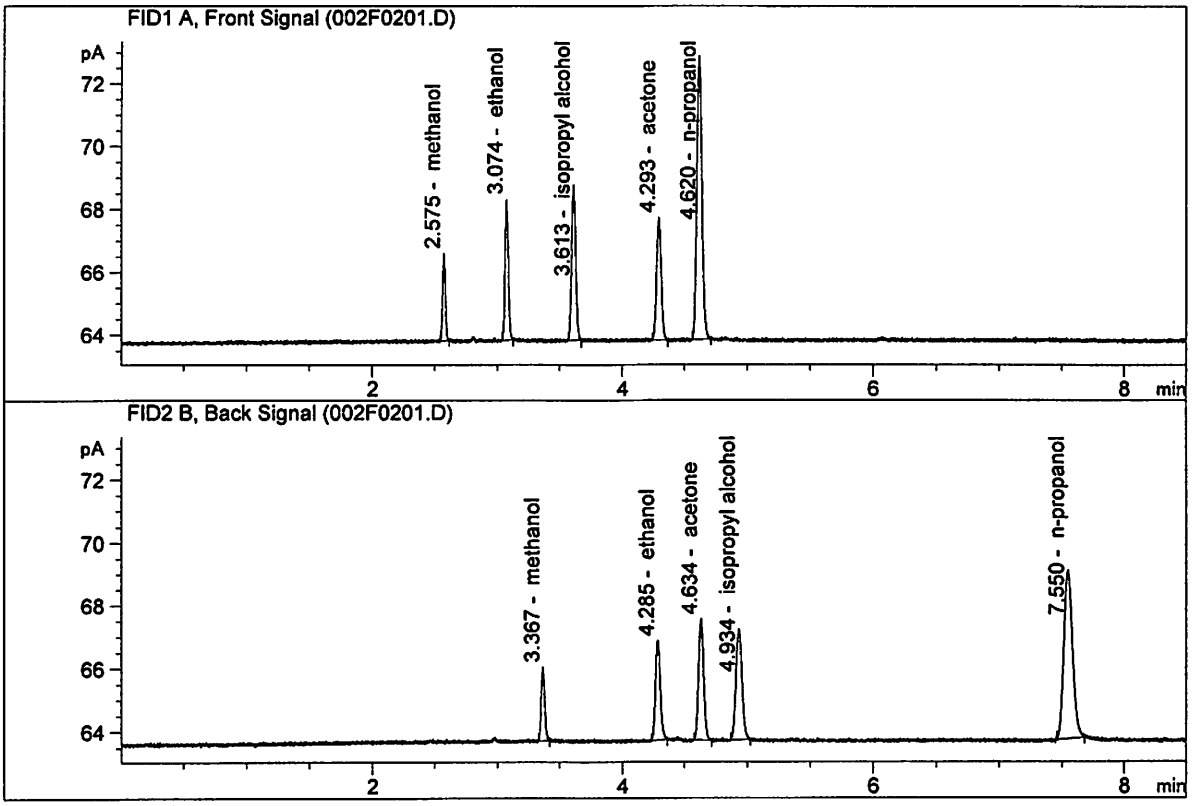


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	48.08860	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.06171	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.99926	0.1618	g/100cc
2.	Ethanol	Column 2:	8.37904	0.1666	g/100cc
3.	n-Propanol	Column 1:	25.57914	1.0000	g/100cc
4.	n-Propanol	Column 2:	25.74659	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 03 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0752	0.0760	0.0008	0.0756	0.0758	
(g/100cc)	0.0750	0.0770	0.0020	0.0760		

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
0.075	0.071	0.079	0.004

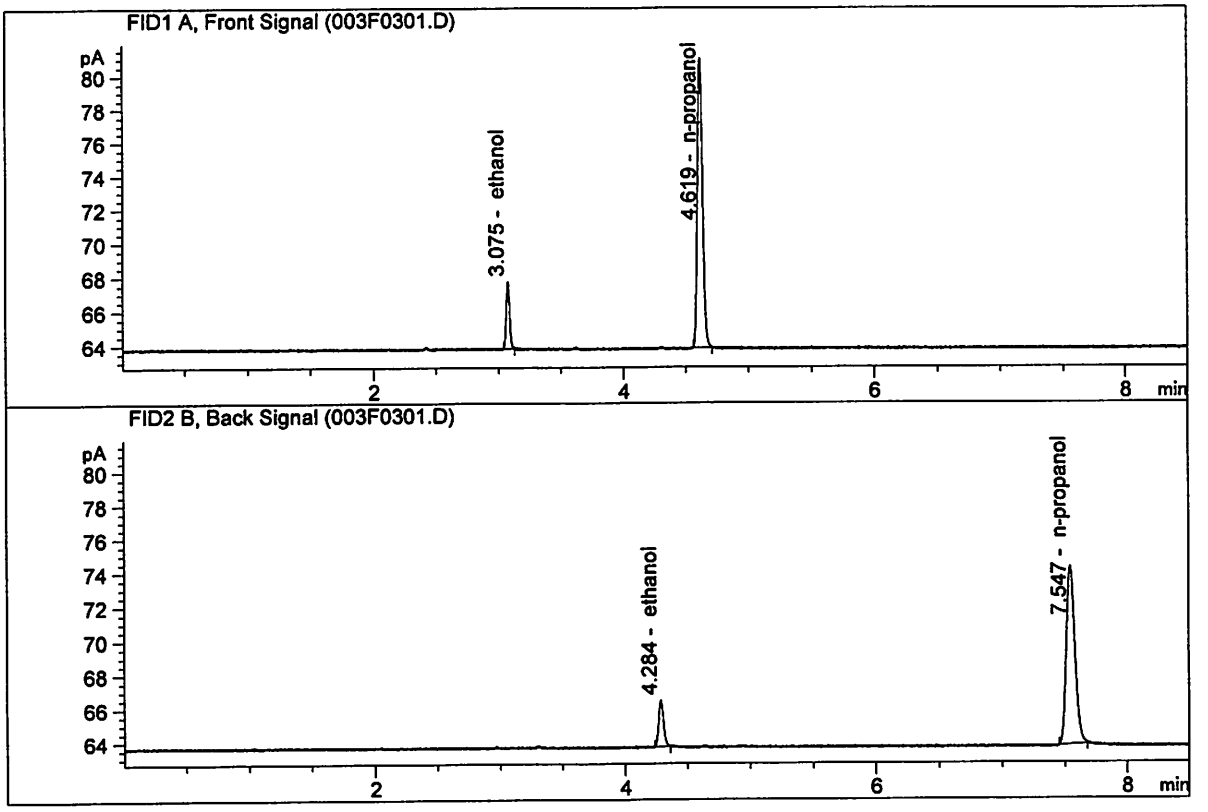
	Reported Result	
	0.075	

Calibration and control data are stored centrally.

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

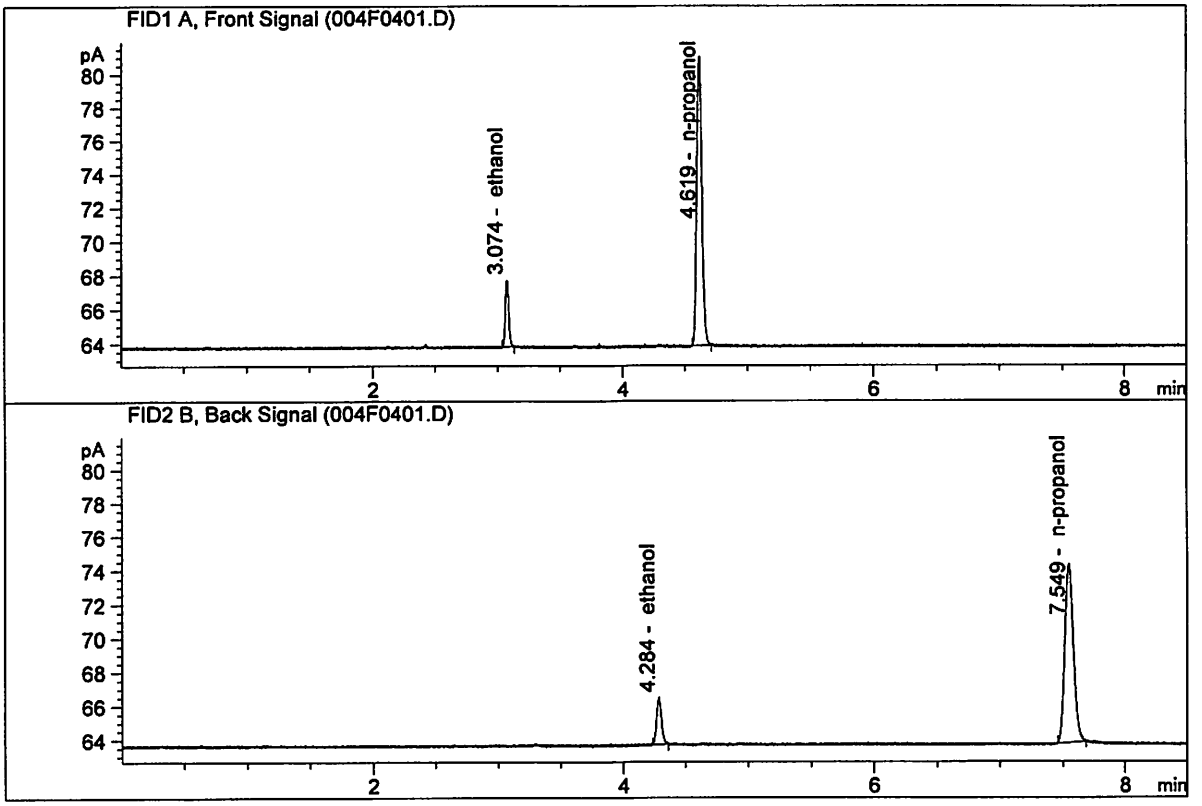


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.22514	0.0752	g/100cc
2.	Ethanol	Column 2:	7.40212	0.0760	g/100cc
3.	n-Propanol	Column 1:	49.05032	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.56157	1.0000	g/100cc

dc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.21546	0.0750	g/100cc
2.	Ethanol	Column 2:	7.50752	0.0770	g/100cc
3.	n-Propanol	Column 1:	49.10493	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.60512	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 03 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0782	0.0793	0.0011	0.0787	0.0789	
(g/100cc)	0.0785	0.0798	0.0013	0.0791		

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%**

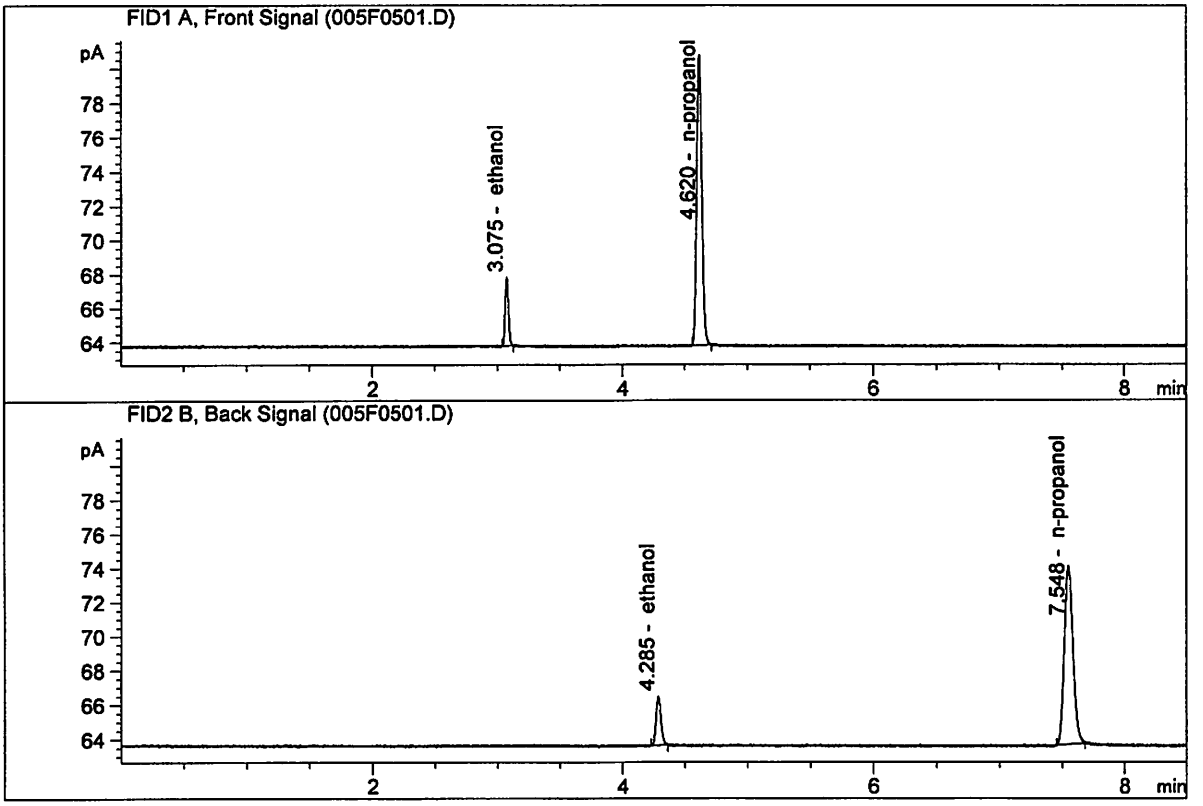
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

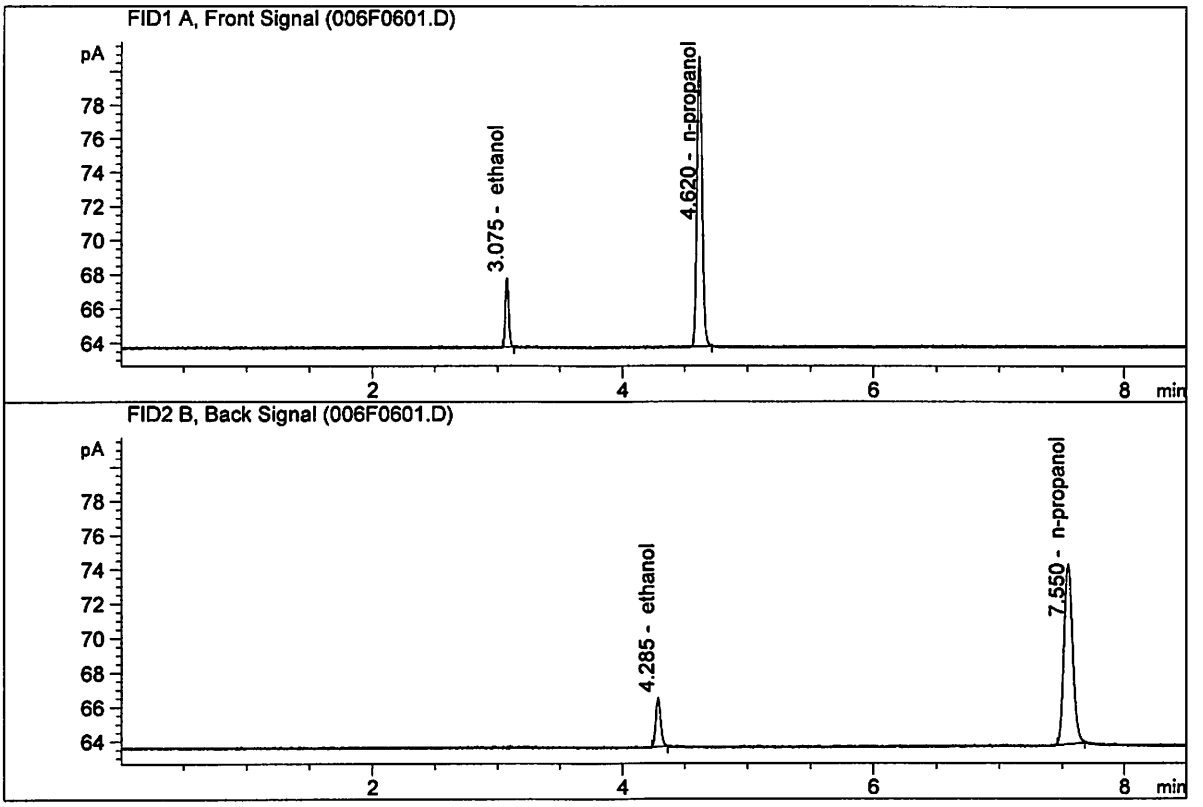
Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.41553	0.0782	g/100cc
2.	Ethanol	Column 2:	7.60016	0.0793	g/100cc
3.	n-Propanol	Column 1:	48.45267	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.71123	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.50238	0.0785	g/100cc
2.	Ethanol	Column 2:	7.72650	0.0798	g/100cc
3.	n-Propanol	Column 1:	48.81833	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.21921	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 03 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2022	0.2029	0.0007	0.2025	0.2019	
(g/100cc)	0.2003	0.2024	0.0021	0.2013		

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
0.201	**0.190**	**0.212**	**0.011**

Reported Result

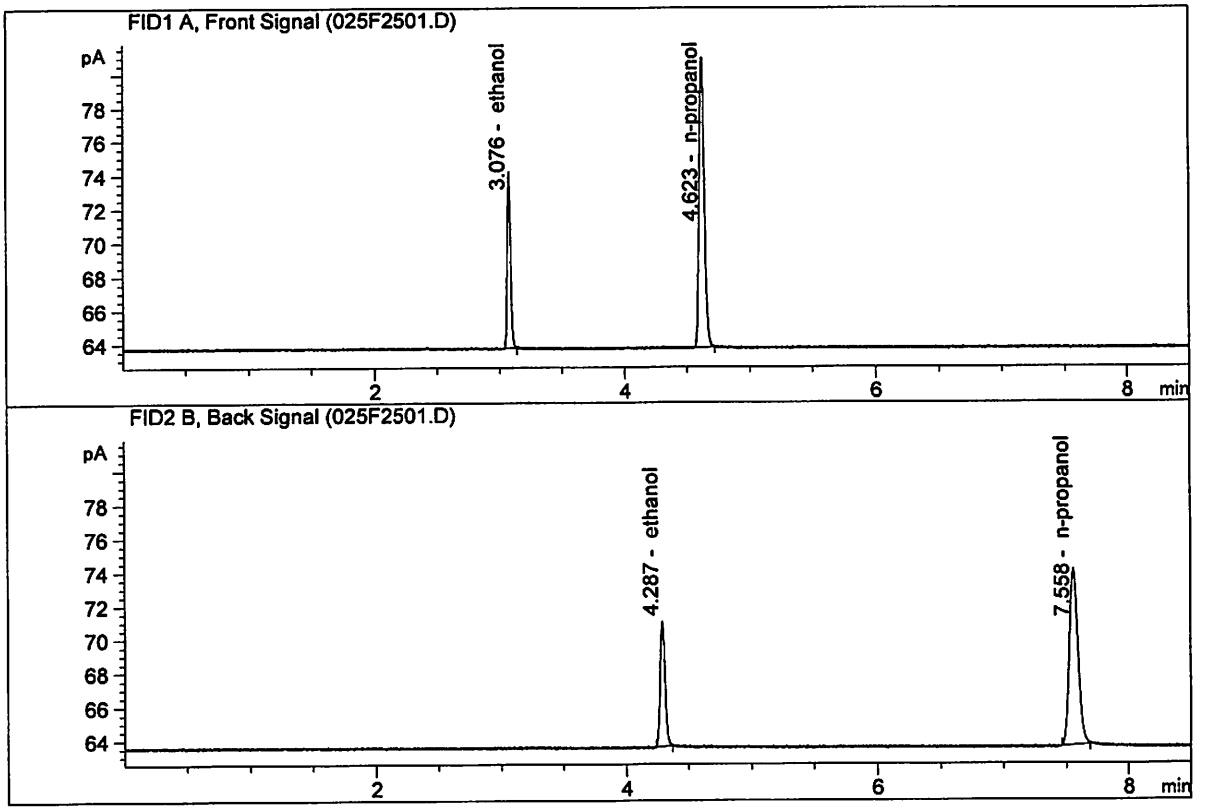
0.201

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

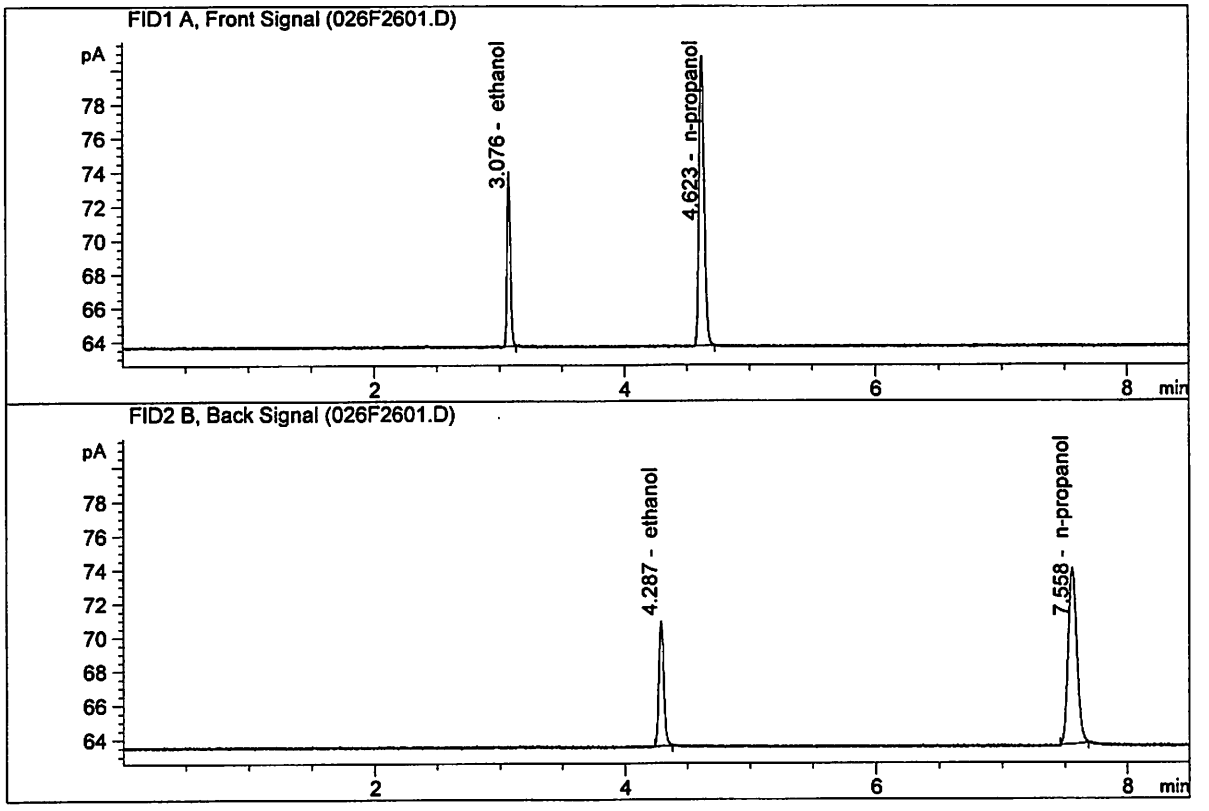


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.19377	0.2022	g/100cc
2.	Ethanol	Column 2:	19.95613	0.2029	g/100cc
3.	n-Propanol	Column 1:	49.21776	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.23718	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.85115	0.2003	g/100cc
2.	Ethanol	Column 2:	19.71850	0.2024	g/100cc
3.	n-Propanol	Column 1:	48.78908	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.75737	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 03 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0790	0.0803	0.0013	0.0796	0.0798	
(g/100cc)	0.0795	0.0804	0.0009	0.0799		

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

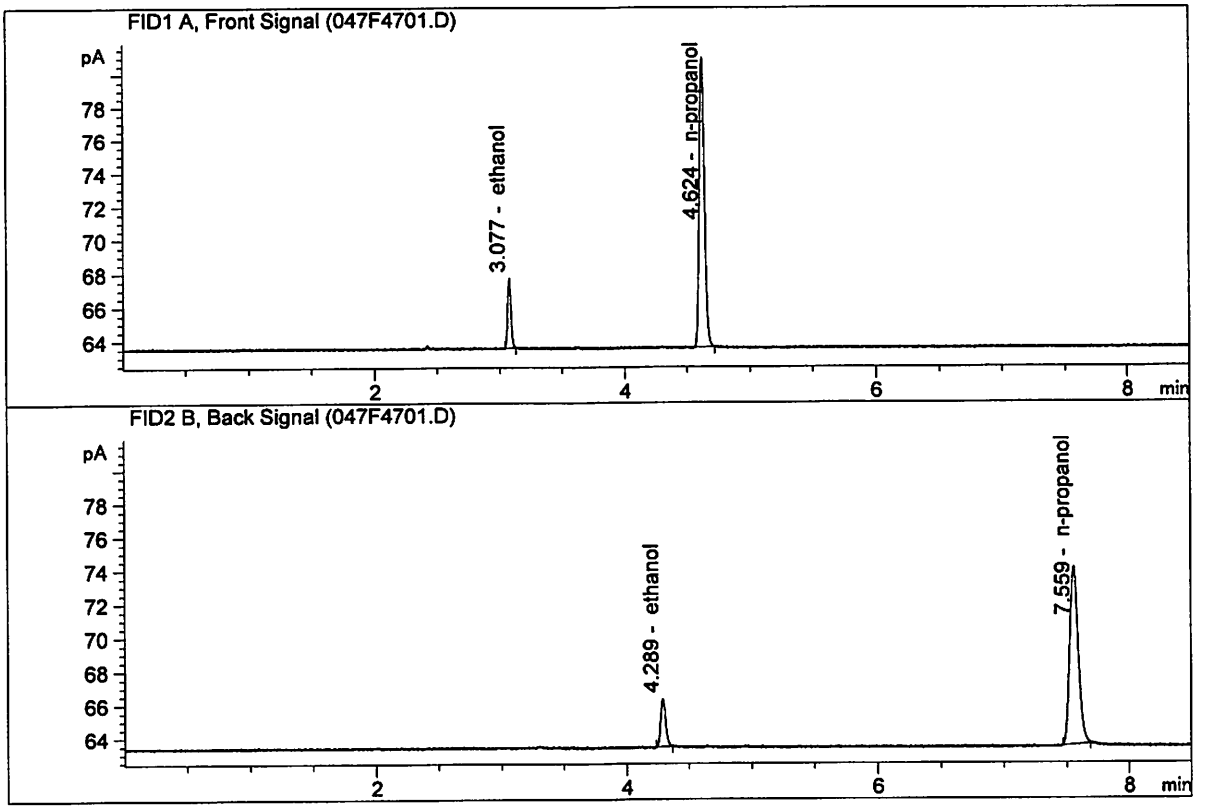
	Reported Result	
	0.079	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

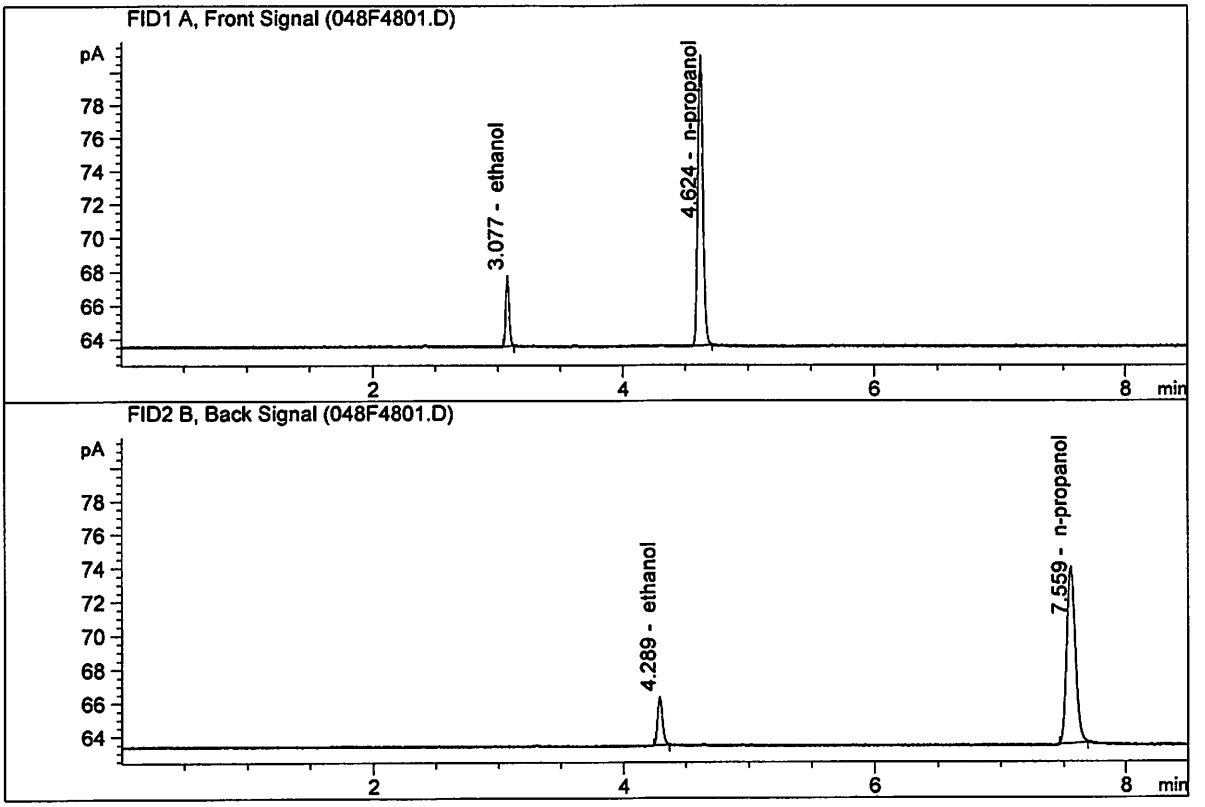


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.65681	0.0790	g/100cc
2.	Ethanol	Column 2:	7.83465	0.0803	g/100cc
3.	n-Propanol	Column 1:	49.54123	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.58554	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.67616	0.0795	g/100cc
2.	Ethanol	Column 2:	7.82422	0.0804	g/100cc
3.	n-Propanol	Column 1:	49.34435	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.47264	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 04 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2117	0.2118	0.0001	0.2117	0.2120	
(g/100cc)	0.2116	0.2130	0.0014	0.2123		

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**

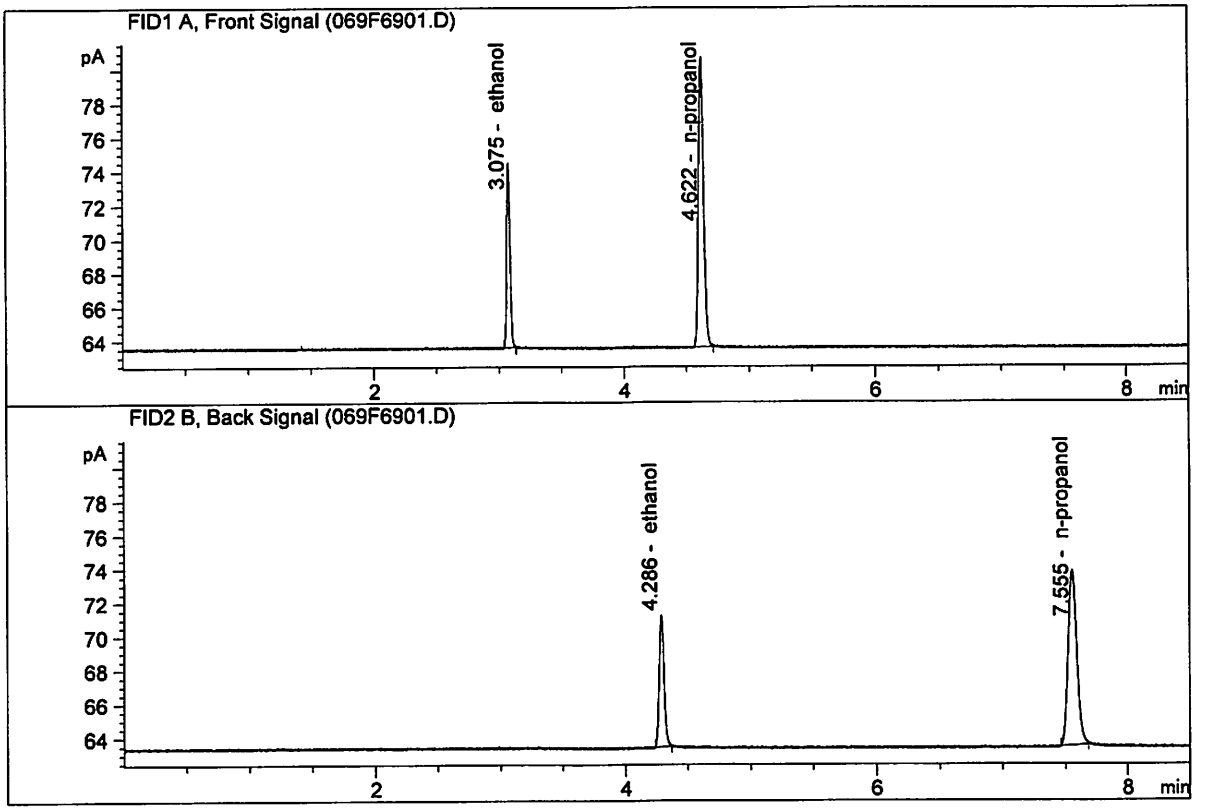
	Reported Result	
	0.212	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

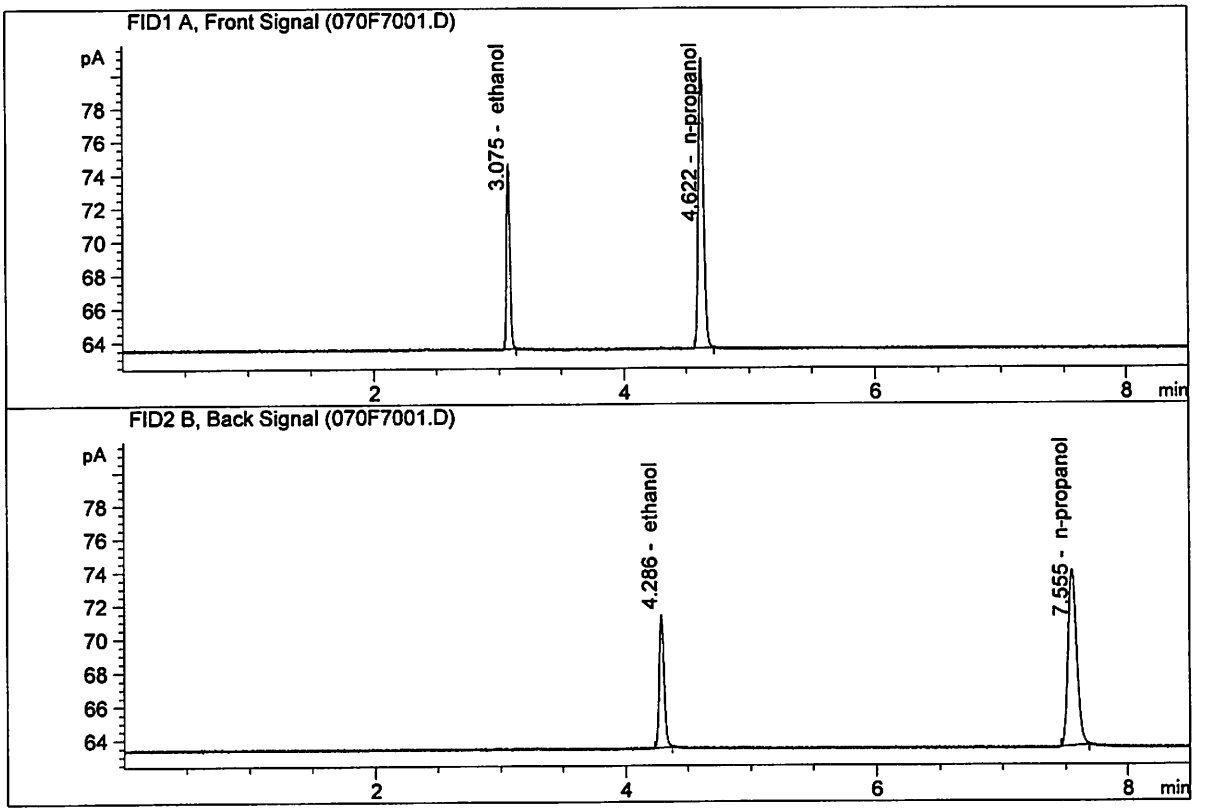
Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Aug 4, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.88034	0.2117	g/100cc
2.	Ethanol	Column 2:	20.57656	0.2118	g/100cc
3.	n-Propanol	Column 1:	48.71247	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.60549	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Aug 4, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

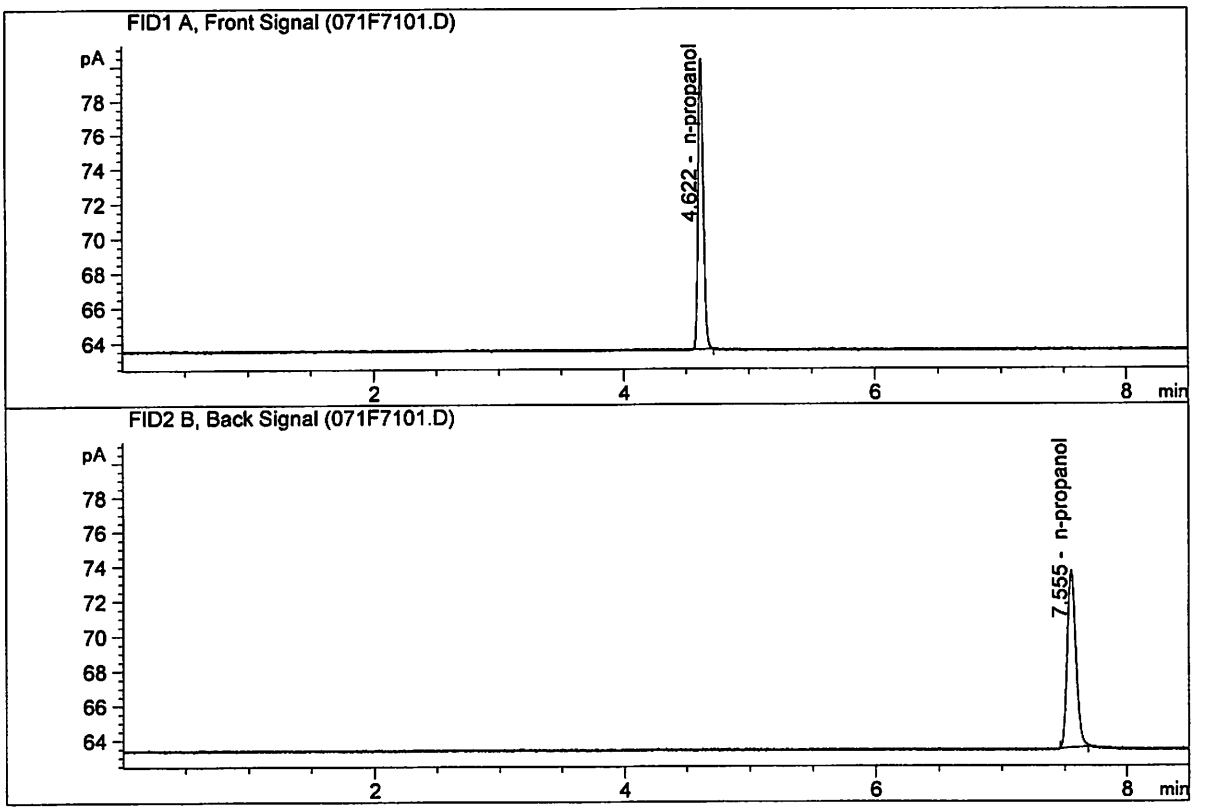


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	20.14013	0.2116	g/100cc
2.	Ethanol	Column 2:	21.00805	0.2130	g/100cc
3.	n-Propanol	Column 1:	49.37965	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.35028	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Aug 4, 2018
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:	47.77999	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.53879	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\Data\08-03-18_SAMPLES\08-03-18_SAMPLES 2018-08-03 15-17-27\08-03-18_SAMPLES.S
Data directory path: C:\Chem32\1\Data\08-03-18_SAMPLES\08-03-18_SAMPLES 2018-08-03 15-17-27\
Logbook: C:\Chem32\1\Data\08-03-18_SAMPLES\08-03-18_SAMPLES 2018-08-03 15-17-27\08-03-18_SAMPLES.LOG
Sequence start: 8/3/2018 3:32:12 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-03-18_SAMPLES\08-03-18_SAMPLES 2018-08-03 15-17-27\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	M2018-3639-1-A	-	1.0000	007F0701.D		2
8	8	1	M2018-3639-1-B	-	1.0000	008F0801.D		2
9	9	1	M2018-3640-1-A	-	1.0000	009F0901.D		6
10	10	1	M2018-3640-1-B	-	1.0000	010F1001.D		6
11	11	1	M2018-3641-1-A	-	1.0000	011F1101.D		4
12	12	1	M2018-3641-1-B	-	1.0000	012F1201.D		4
13	13	1	M2018-3641-2-A	-	1.0000	013F1301.D		2
14	14	1	M2018-3641-2-B	-	1.0000	014F1401.D		2
15	15	1	M2018-3641-3-A	-	1.0000	015F1501.D		2
16	16	1	M2018-3641-3-B	-	1.0000	016F1601.D		2
17	17	1	M2018-3644-1-A	-	1.0000	017F1701.D		6
18	18	1	M2018-3644-1-B	-	1.0000	018F1801.D		6
19	19	1	M2018-3648-1-A	-	1.0000	019F1901.D		2
20	20	1	M2018-3648-1-B	-	1.0000	020F2001.D		2
21	21	1	M2018-3649-1-A	-	1.0000	021F2101.D		4
22	22	1	M2018-3649-1-B	-	1.0000	022F2201.D		4
23	23	1	M2018-3650-1-A	-	1.0000	023F2301.D		2
24	24	1	M2018-3650-1-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	M2018-3651-1-A	-	1.0000	027F2701.D		6
28	28	1	M2018-3651-1-B	-	1.0000	028F2801.D		5
29	29	1	M2018-3652-1-A	-	1.0000	029F2901.D		6
30	30	1	M2018-3652-1-B	-	1.0000	030F3001.D		4
31	31	1	M2018-3653-1-A	-	1.0000	031F3101.D		4
32	32	1	M2018-3653-1-B	-	1.0000	032F3201.D		4
33	33	1	M2018-3658-1-A	-	1.0000	033F3301.D		4
34	34	1	M2018-3658-1-B	-	1.0000	034F3401.D		4
35	35	1	M2018-3659-1-A	-	1.0000	035F3501.D		2
36	36	1	M2018-3659-1-B	-	1.0000	036F3601.D		2
37	37	1	M2018-3660-1-A	-	1.0000	037F3701.D		4
38	38	1	M2018-3660-1-B	-	1.0000	038F3801.D		4
39	39	1	M2018-3673-1-A	-	1.0000	039F3901.D		6
40	40	1	M2018-3673-1-B	-	1.0000	040F4001.D		6
41	41	1	M2018-3615-1-A	-	1.0000	041F4101.D		2
42	42	1	M2018-3615-1-B	-	1.0000	042F4201.D		2
43	43	1	M2018-3642-1-A	-	1.0000	043F4301.D		4

Sequence File C:\Chem32\...8_SAMPLES\08-03-18_SAMPLES 2018-08-03 15-17-27\08-03-18_SAMPLES.S

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
44	44	1	M2018-3642-1-B	-	1.0000	044F4401.D		4
45	45	1	M2018-3643-1-A	-	1.0000	045F4501.D		4
46	46	1	M2018-3643-1-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	M2018-3678-1-A	-	1.0000	049F4901.D		4
50	50	1	M2018-3678-1-B	-	1.0000	050F5001.D		4
51	51	1	M2018-3679-1-A	-	1.0000	051F5101.D		4
52	52	1	M2018-3679-1-B	-	1.0000	052F5201.D		4
53	53	1	M2018-3694-1-A	-	1.0000	053F5301.D		5
54	54	1	M2018-3694-1-B	-	1.0000	054F5401.D		4
55	55	1	M2018-3702-1-A	-	1.0000	055F5501.D		4
56	56	1	M2018-3702-1-B	-	1.0000	056F5601.D		4
57	57	1	M2018-3708-1-A	-	1.0000	057F5701.D		4
58	58	1	M2018-3708-1-B	-	1.0000	058F5801.D		4
59	59	1	M2018-3709-1-A	-	1.0000	059F5901.D		6
60	60	1	M2018-3709-1-B	-	1.0000	060F6001.D		4
61	61	1	M2018-3759-1-A	-	1.0000	061F6101.D		4
62	62	1	M2018-3759-1-B	-	1.0000	062F6201.D		4
63	63	1	M2018-3762-1-A	-	1.0000	063F6301.D		6
64	64	1	M2018-3762-1-B	-	1.0000	064F6401.D		6
65	65	1	M2018-3773-1-A	-	1.0000	065F6501.D		4
66	66	1	M2018-3773-1-B	-	1.0000	066F6601.D		5
67	67	1	P2018-1239-1-A	-	1.0000	067F6701.D		2
68	68	1	P2018-1239-1-B	-	1.0000	068F6801.D		2
69	69	1	QC2-2-A	-	1.0000	069F6901.D		4
70	70	1	QC2-2-B	-	1.0000	070F7001.D		4
71	71	1	INTERNAL STD BLK	-	1.0000	071F7101.D		2

Method file name: C:\Chem32\1\Data\08-03-18_SAMPLES\08-03-18_SAMPLES 2018-08-03 15-17-27\SHUTDOWN.M

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
72	72	1	EMPTY	-	1.0000	072F7201.D		0

Due to a gas line failure, the following samples were previously extracted on 8/1/18 and re-extracted on 8/3/18.

M2018-3639-1

M2018-3640-1

M2018-3641-1

M2018-3641-2

M2018-3641-3

M2018-3644-1