REVIEWED
By Galina Giso at 1:28 pm, May 08, 2020

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 5/7/20-5/8/20**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0806 g/100cc
					0.0811 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1986 g/100cc
					0.2004 g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN06041502	ok
Curve Fit:	**Column 1**	0.99998	**Column2**	0.99990

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0509	0.0526	0.0017	0.0517
100	0.100	0.090 - 0.110	0.0999	0.1002	0.0003	0.1
200	0.200	0.180 - 0.220	0.1980	0.1959	0.0021	0.1969
300	0.300	0.270 - 0.330	0.3011	0.2999	0.0012	0.3005
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5001	0.5014	0.0013	0.5007

Aqueous Controls

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

NB

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

5/7/2020

Worklist: 4226

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-1448	1	BCK	Alcohol Analysis
M2020-1449	1	BCK	Alcohol Analysis
M2020-1450	1	BCK	Alcohol Analysis
M2020-1457	1	BCK	Alcohol Analysis
M2020-1471	1	BCK	Alcohol Analysis
M2020-1472	1	BCK	Alcohol Analysis
M2020-1473	1	BCK	Alcohol Analysis
M2020-1478	1	BCK	Alcohol Analysis
M2020-1492	1	BCK	Alcohol Analysis
M2020-1510	1	BCK	Alcohol Analysis
M2020-1511	1	BCK	Alcohol Analysis
M2020-1520	1	BCK	Alcohol Analysis
M2020-1529	1	BCK	Alcohol Analysis
M2020-1530	1	BCK	Alcohol Analysis
M2020-1562	1	BCK	Alcohol Analysis
M2020-1563	1	BCK	Alcohol Analysis
M2020-1585	2	BCK	Alcohol Analysis
M2020-1613	1	BCK	Alcohol Analysis
M2020-1629	1	BCK	Alcohol Analysis
M2020-1634	1	BCK	Alcohol Analysis

NB

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, May 07, 2020 3:26:34 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

NB

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	4.29650	1.16374e-2	No	No	1	ethanol
		2	1.00000e-1	8.54683	1.17002e-2				
		3	2.00000e-1	17.27084	1.15802e-2				
		4	3.00000e-1	25.96227	1.15552e-2				
		5	5.00000e-1	43.95072	1.13764e-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	4.36277	1.14606e-2	No	No	2	ethanol
		2	1.00000e-1	8.72221	1.14650e-2				
		3	2.00000e-1	17.75422	1.12649e-2				
		4	3.00000e-1	26.95436	1.11299e-2				
		5	5.00000e-1	46.09710	1.08467e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	41.48405	2.41057e-2	No	Yes	1	n-propanol
		2	1.00000	41.32940	2.41958e-2				
		3	1.00000	41.74718	2.39537e-2				
		4	1.00000	41.15170	2.43003e-2				
		5	1.00000	41.83888	2.39012e-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	42.50851	2.35247e-2	No	Yes	2	n-propanol
		2	1.00000	41.88322	2.38759e-2				
		3	1.00000	42.23098	2.36793e-2				
		4	1.00000	41.39041	2.41602e-2				
		5	1.00000	41.97660	2.38228e-2				

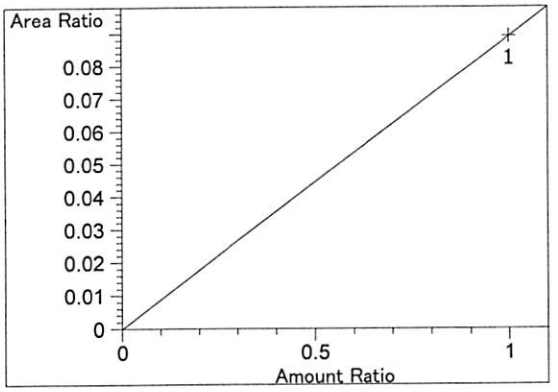
Peak Sum Table

No Entries in table

1 Warnings or Errors :

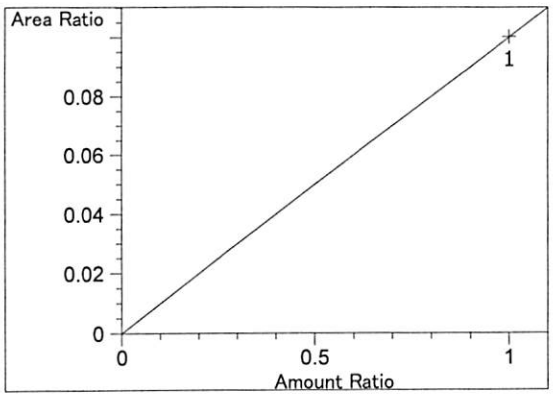
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

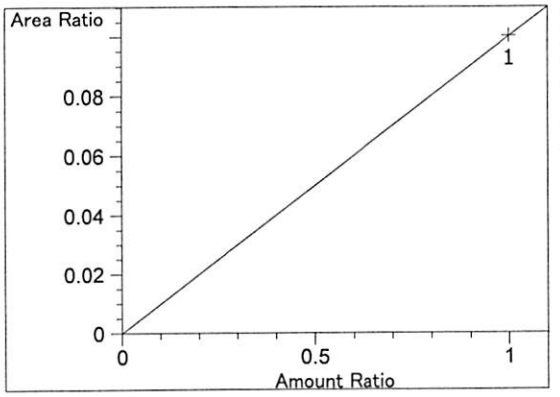


methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.91112e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

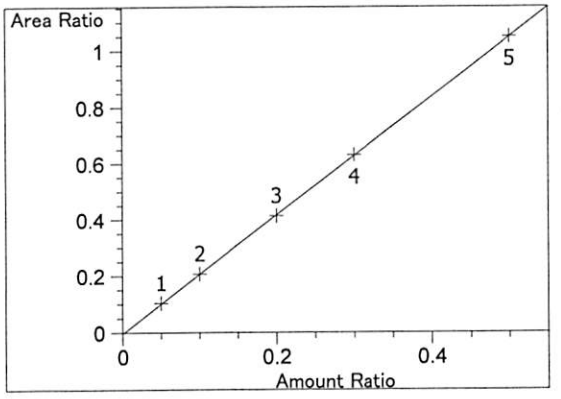
NB



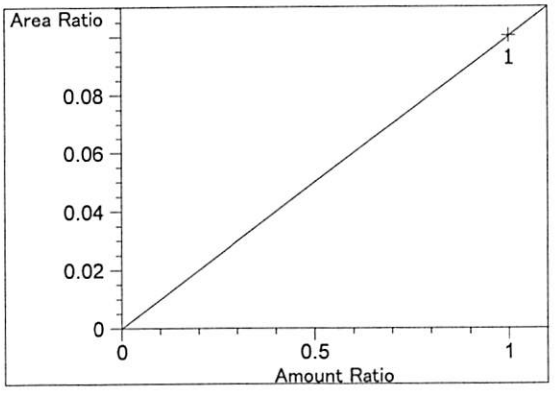
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00239e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00239e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

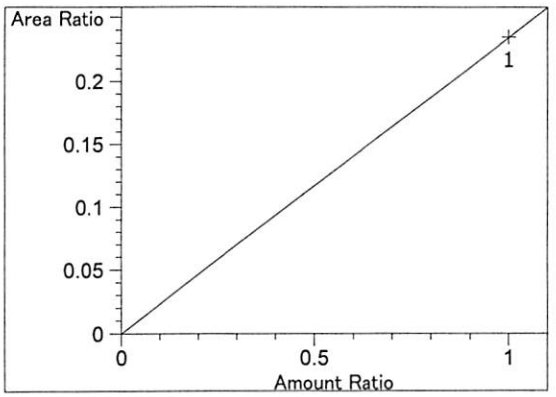


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00295
Formula: y = mx + b
m: 2.10823
b: -3.80583e-3
x: Amount Ratio
y: Area Ratio

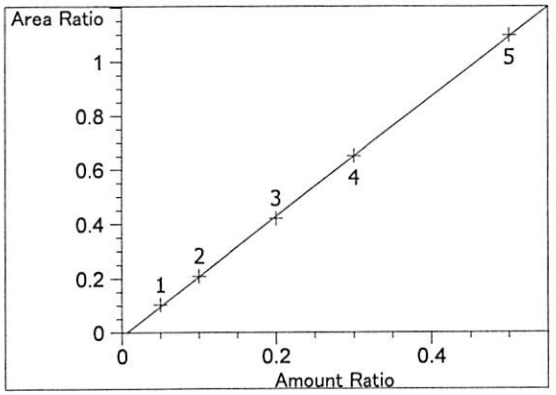


methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00230e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

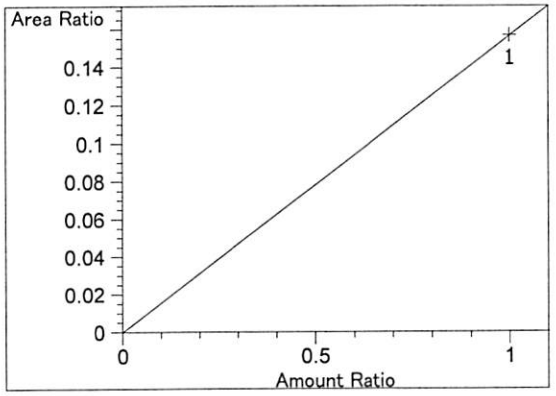
NB



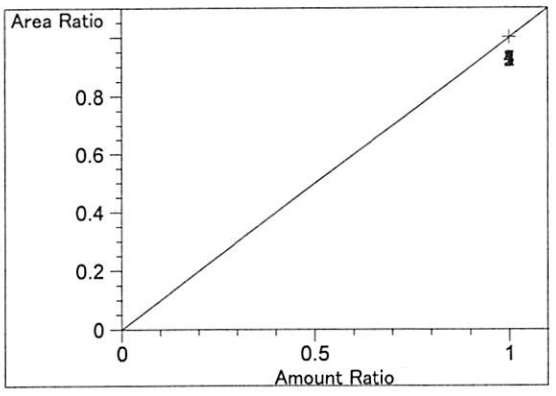
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.34561e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99990
Residual Std. Dev.: 0.00652
Formula: y = mx + b
m: 2.21821
b: -1.40527e-2
x: Amount Ratio
y: Area Ratio

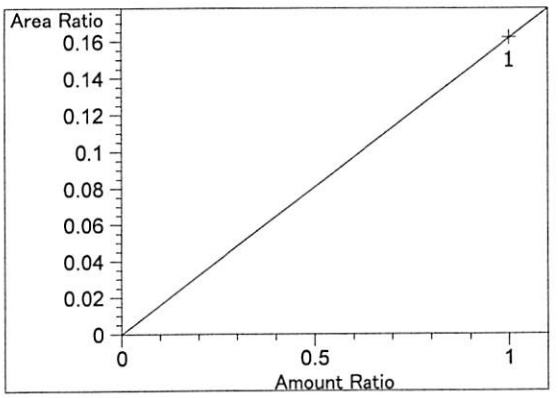


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.56672e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

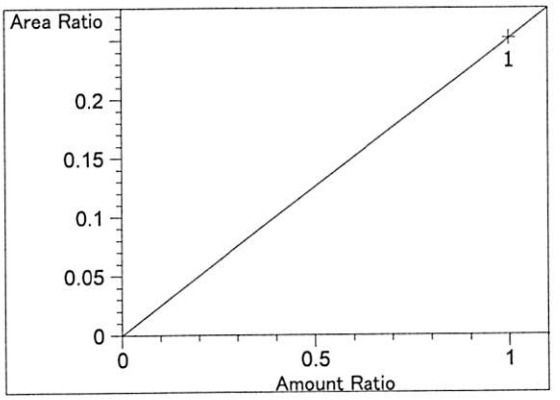


n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

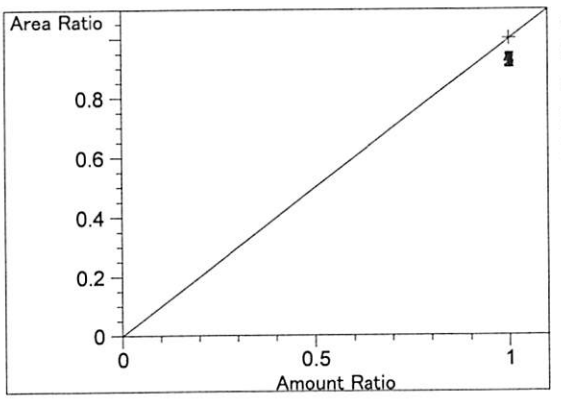
NB



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.62156e-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: 2.51865e-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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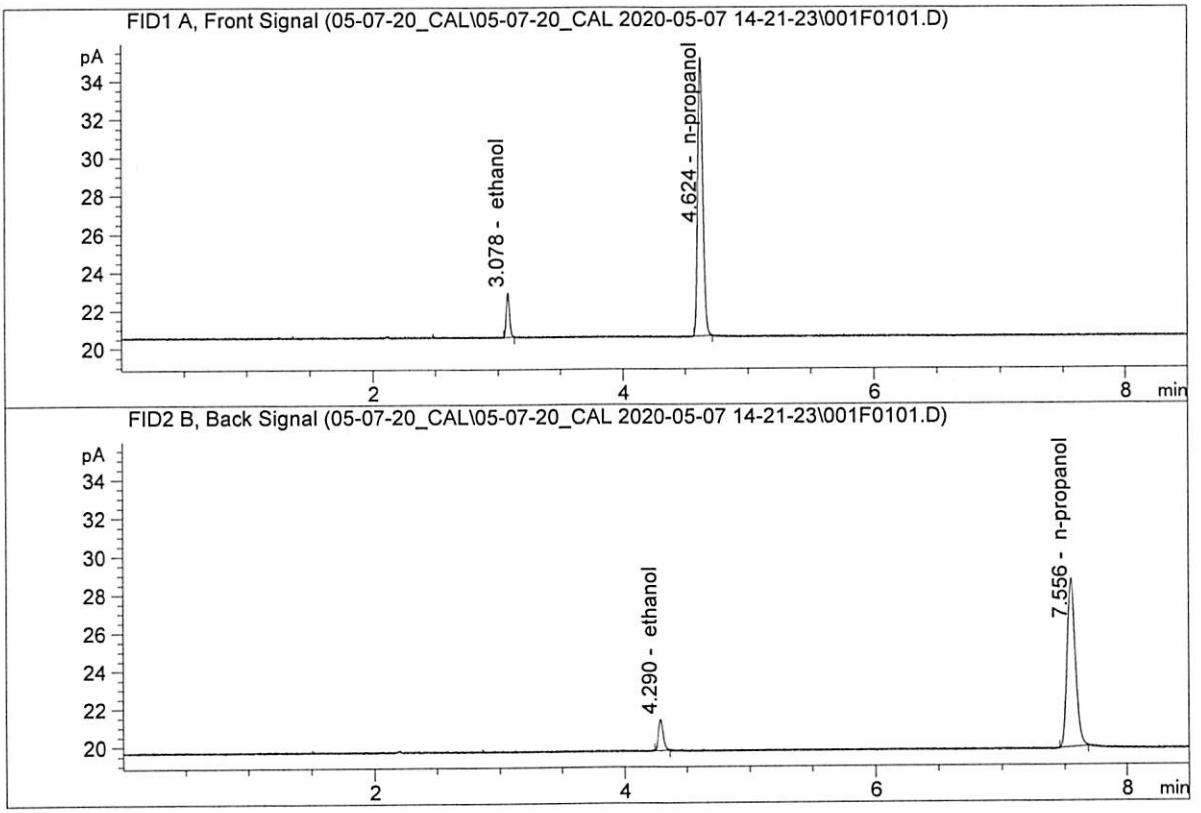
NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

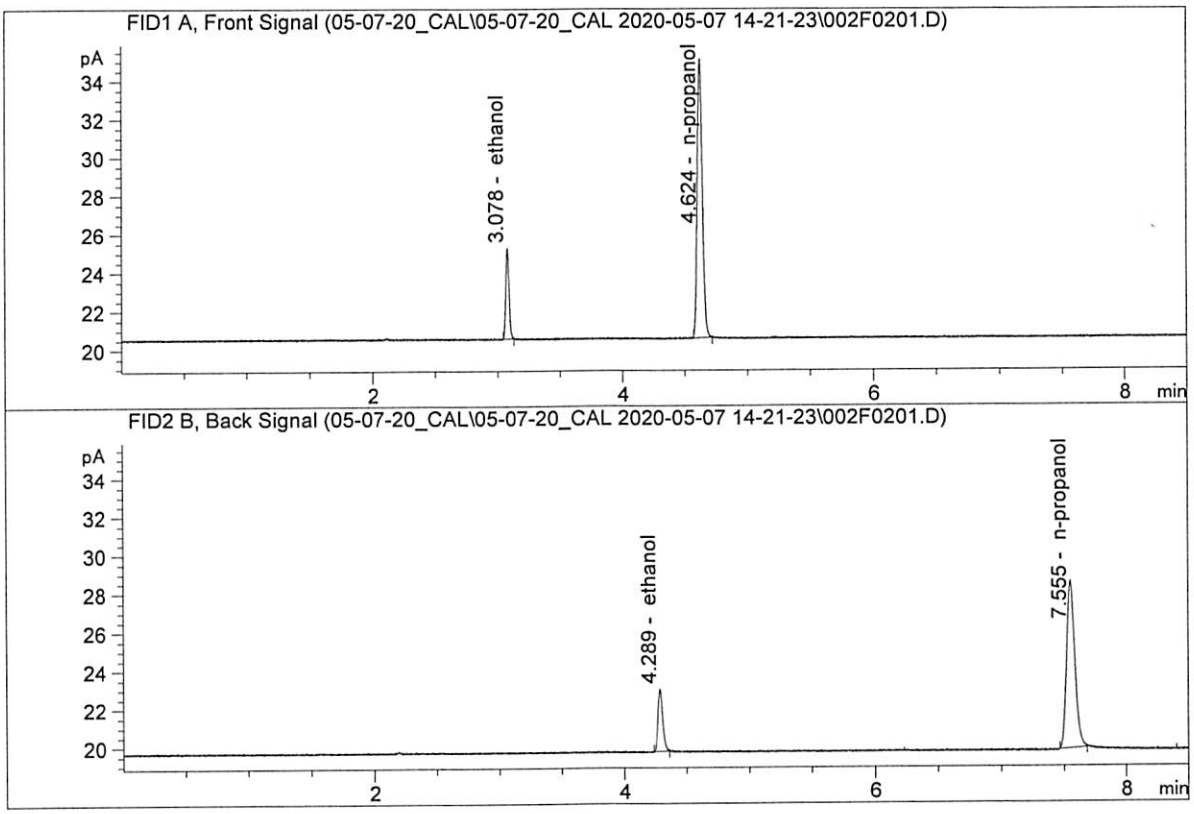


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.29650	0.0509	g/100cc
2.	Ethanol	Column 2:	4.36277	0.0526	g/100cc
3.	n-Propanol	Column 1:	41.48405	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.50851	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

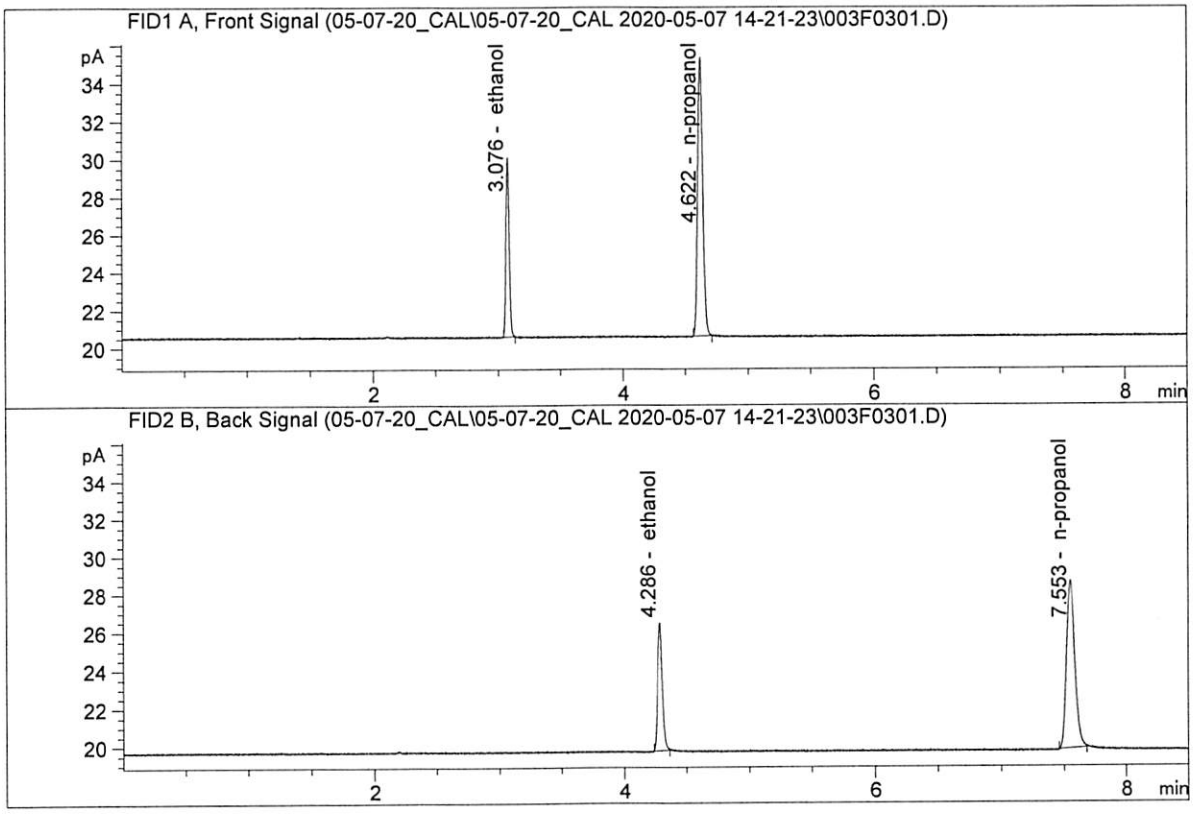


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.54683	0.0999	g/100cc
2.	Ethanol	Column 2:	8.72221	0.1002	g/100cc
3.	n-Propanol	Column 1:	41.32940	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.88322	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

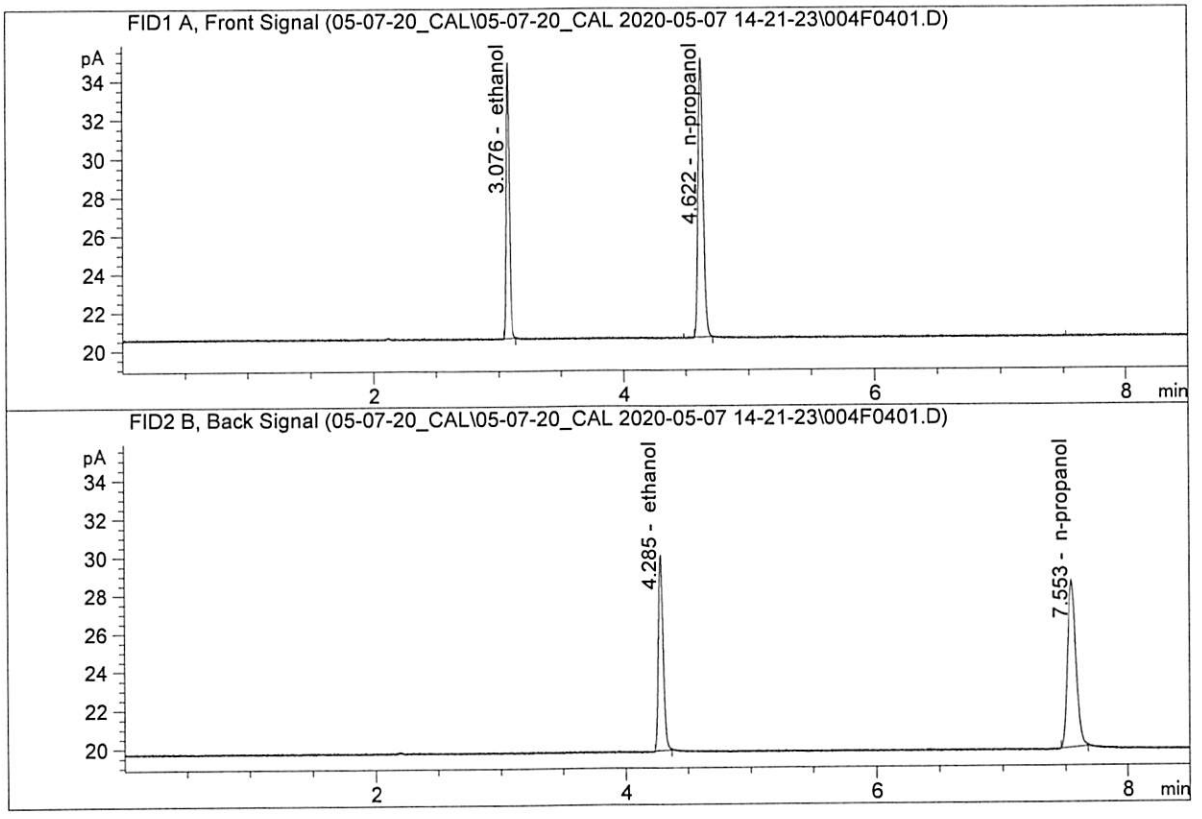


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.27084	0.1980	g/100cc
2.	Ethanol	Column 2:	17.75422	0.1959	g/100cc
3.	n-Propanol	Column 1:	41.74718	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.23098	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

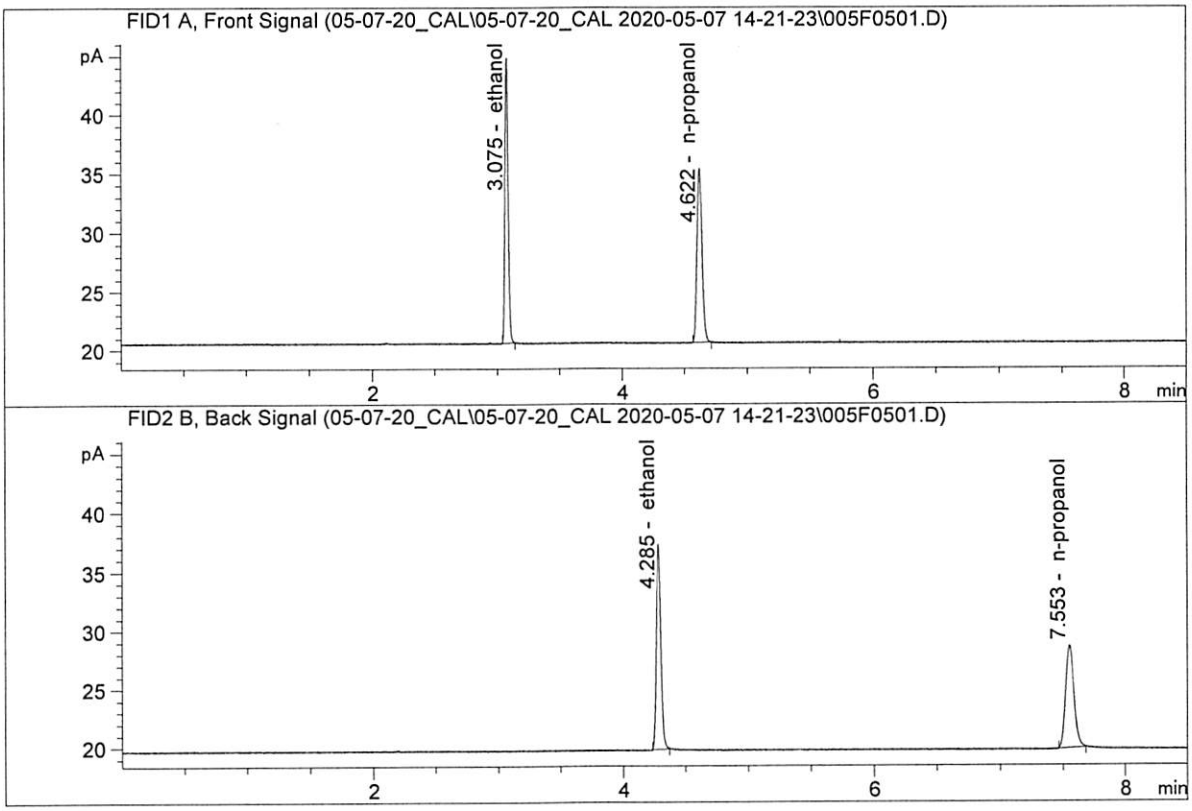


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	25.96227	0.3011	g/100cc
2.	Ethanol	Column 2:	26.95436	0.2999	g/100cc
3.	n-Propanol	Column 1:	41.15170	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.39041	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

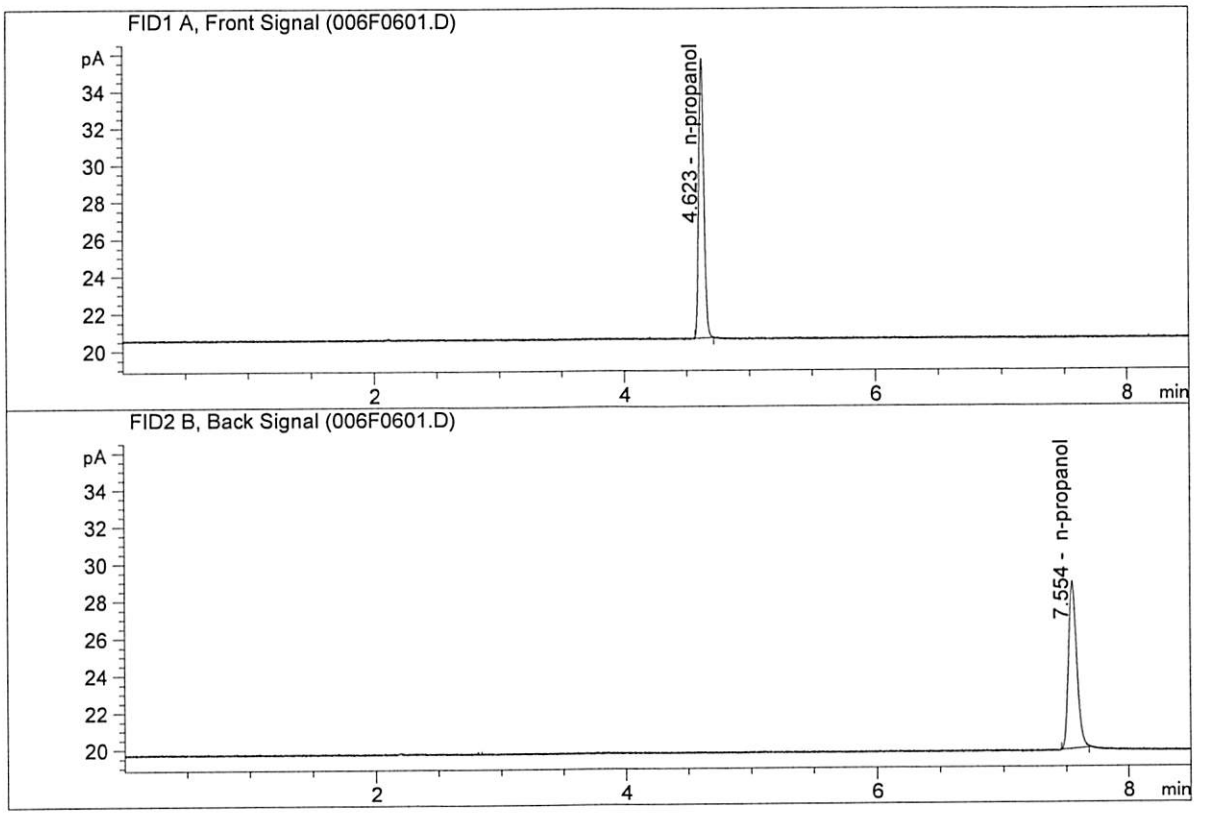


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.95072	0.5001	g/100cc
2.	Ethanol	Column 2:	46.09710	0.5014	g/100cc
3.	n-Propanol	Column 1:	41.83888	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.97660	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.79010	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.05505	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\05-07-20_CAL\05-07-20_CAL 2020-05-07 14-21-23\05-07-20_CAL.S

Sample Summary

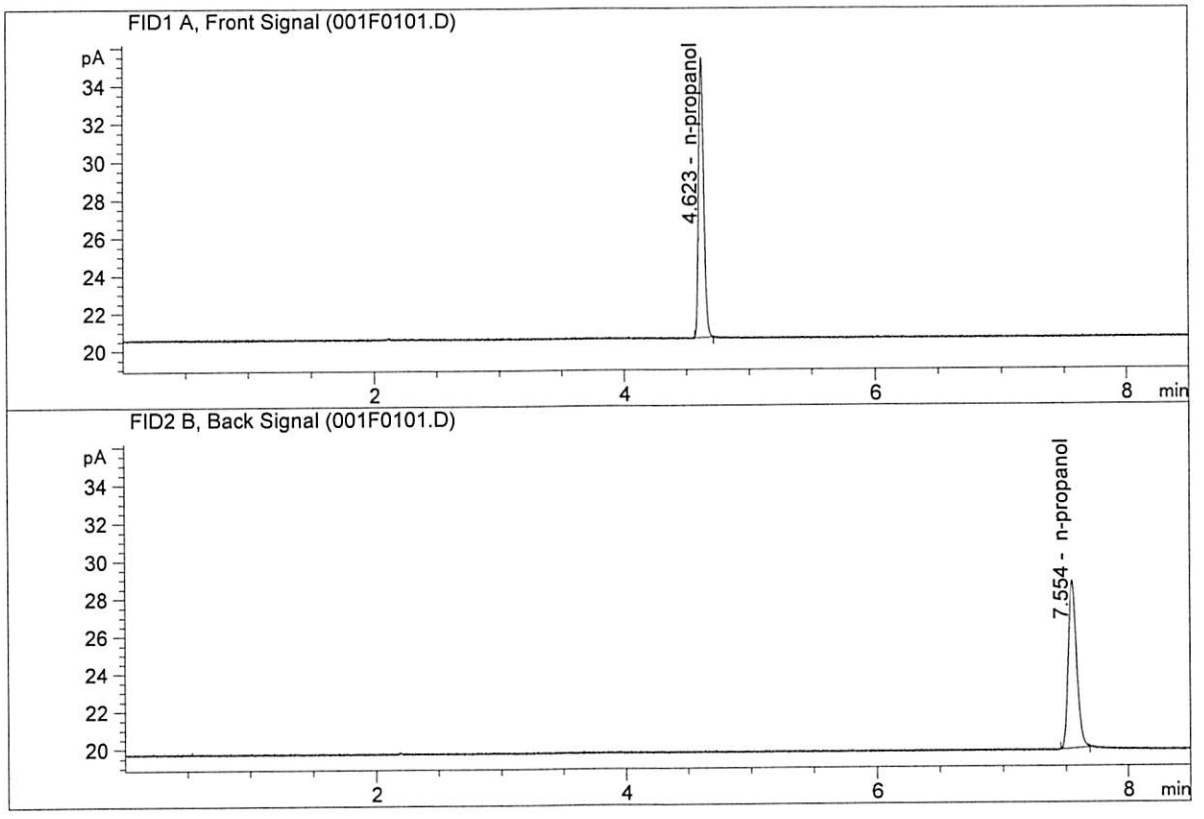
Sequence table: C:\Chem32\1\Data\05-07-20_CAL\05-07-20_CAL 2020-05-07 14-21-23\05-07-20_CAL.S
Data directory path: C:\Chem32\1\Data\05-07-20_CAL\05-07-20_CAL 2020-05-07 14-21-23\
Logbook: C:\Chem32\1\Data\05-07-20_CAL\05-07-20_CAL 2020-05-07 14-21-23\05-07-20_CAL.LOG
Sequence start: 5/7/2020 2:36:02 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\05-07-20_CAL\05-07-20_CAL 2020-05-07 14-21-23\ALCOHOL.M

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

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

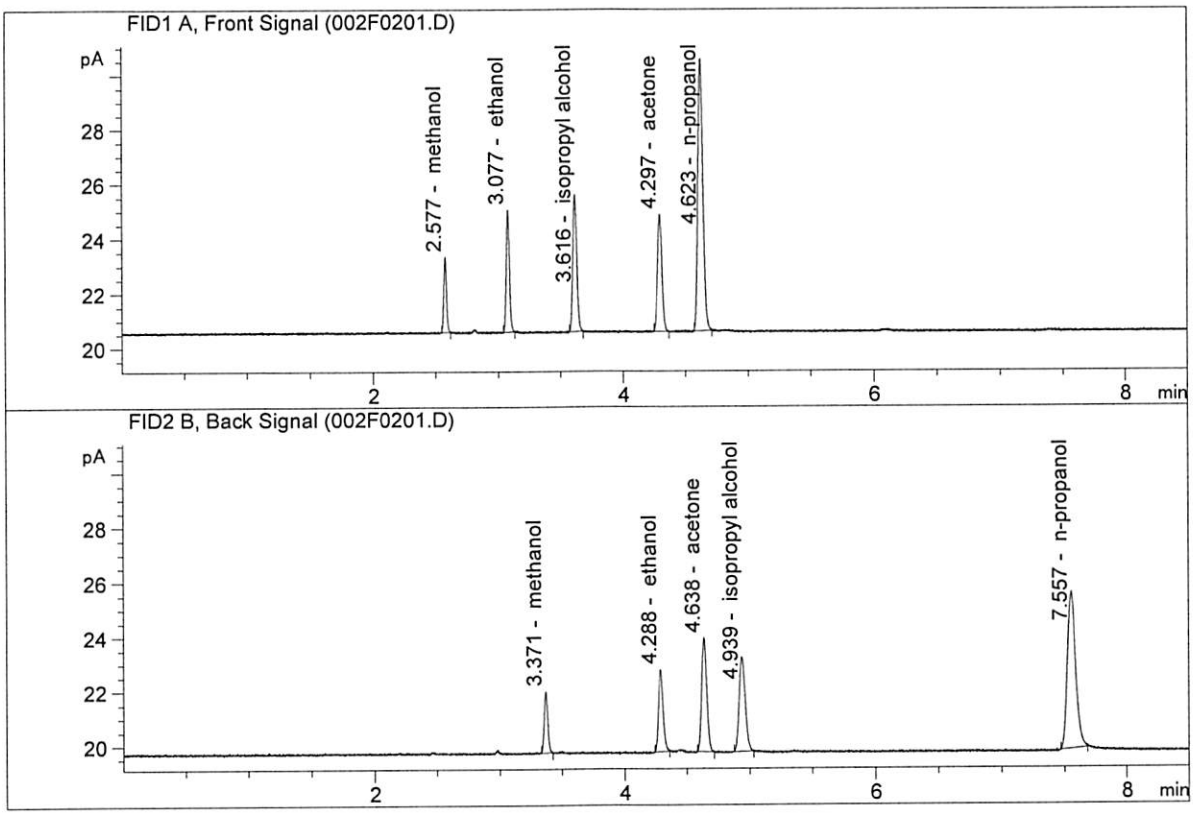


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.02410	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.79606	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.93813	0.1363	g/100cc
2.	Ethanol	Column 2:	8.06433	0.1380	g/100cc
3.	n-Propanol	Column 1:	28.00361	1.0000	g/100cc
4.	n-Propanol	Column 2:	27.62056	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 07 May 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0798	0.0806	0.0008	0.0802	0.0008	0.0806
(g/100cc)	0.0805	0.0815	0.0010	0.0810		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

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

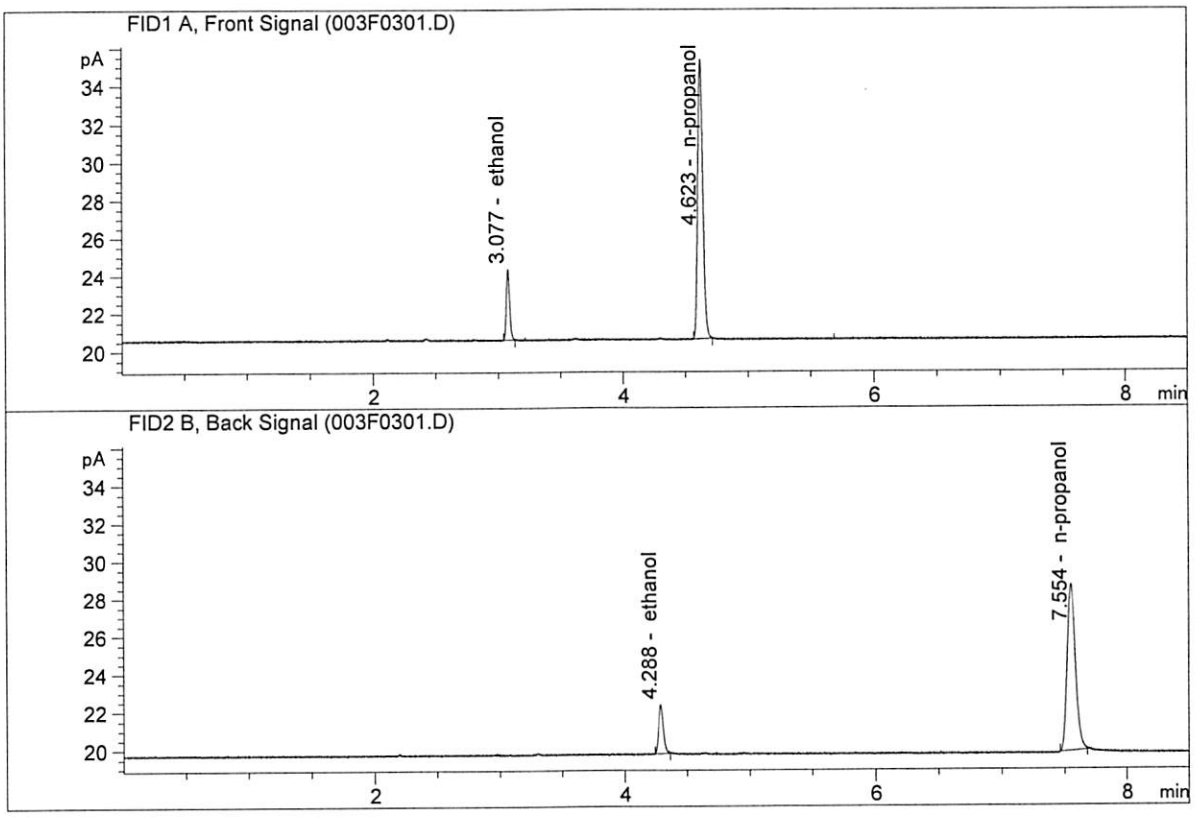
	Reported Result	
	0.080	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

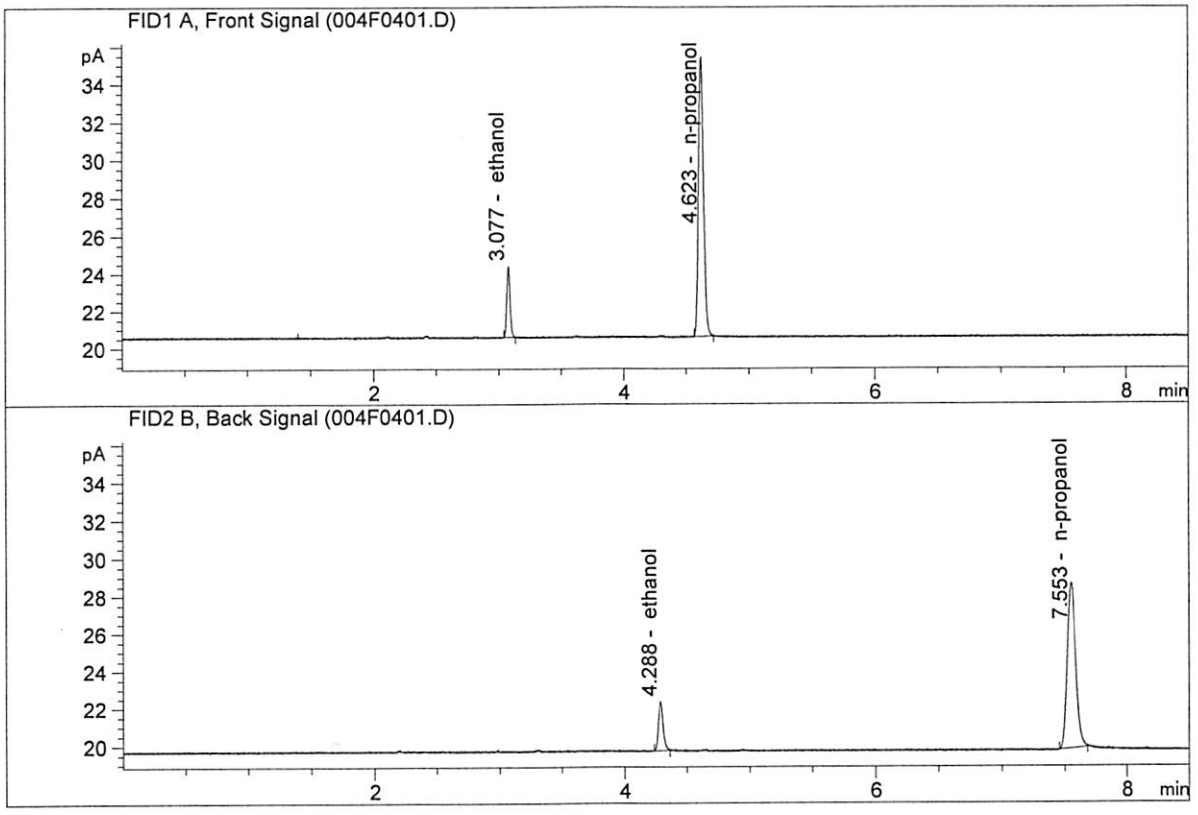


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.89099	0.0798	g/100cc
2.	Ethanol	Column 2:	6.90917	0.0806	g/100cc
3.	n-Propanol	Column 1:	41.89985	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.96802	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.98579	0.0805	g/100cc
2.	Ethanol	Column 2:	7.05447	0.0815	g/100cc
3.	n-Propanol	Column 1:	42.12032	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.29159	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 08 May 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0807	0.0812	0.0005	0.0809	0.0003	0.0811
(g/100cc)	0.0810	0.0815	0.0005	0.0812		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

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

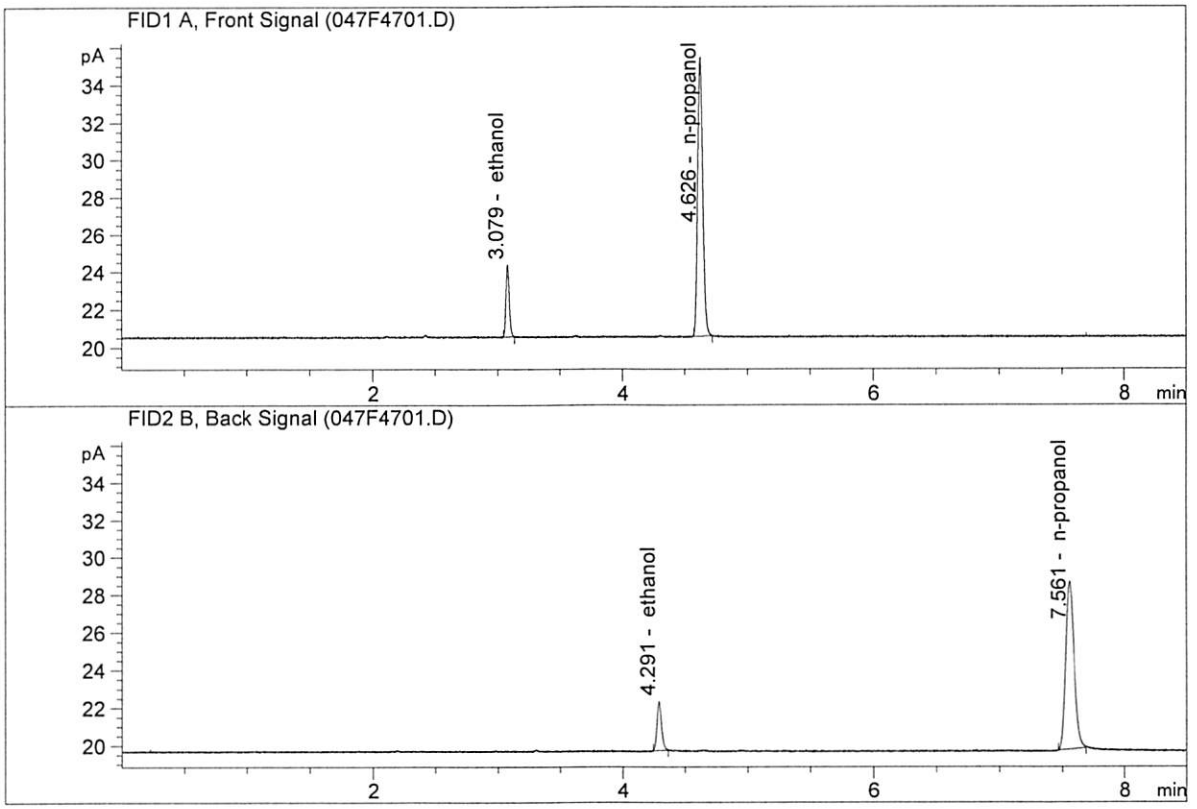
	Reported Result	
	0.081	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : May 8, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

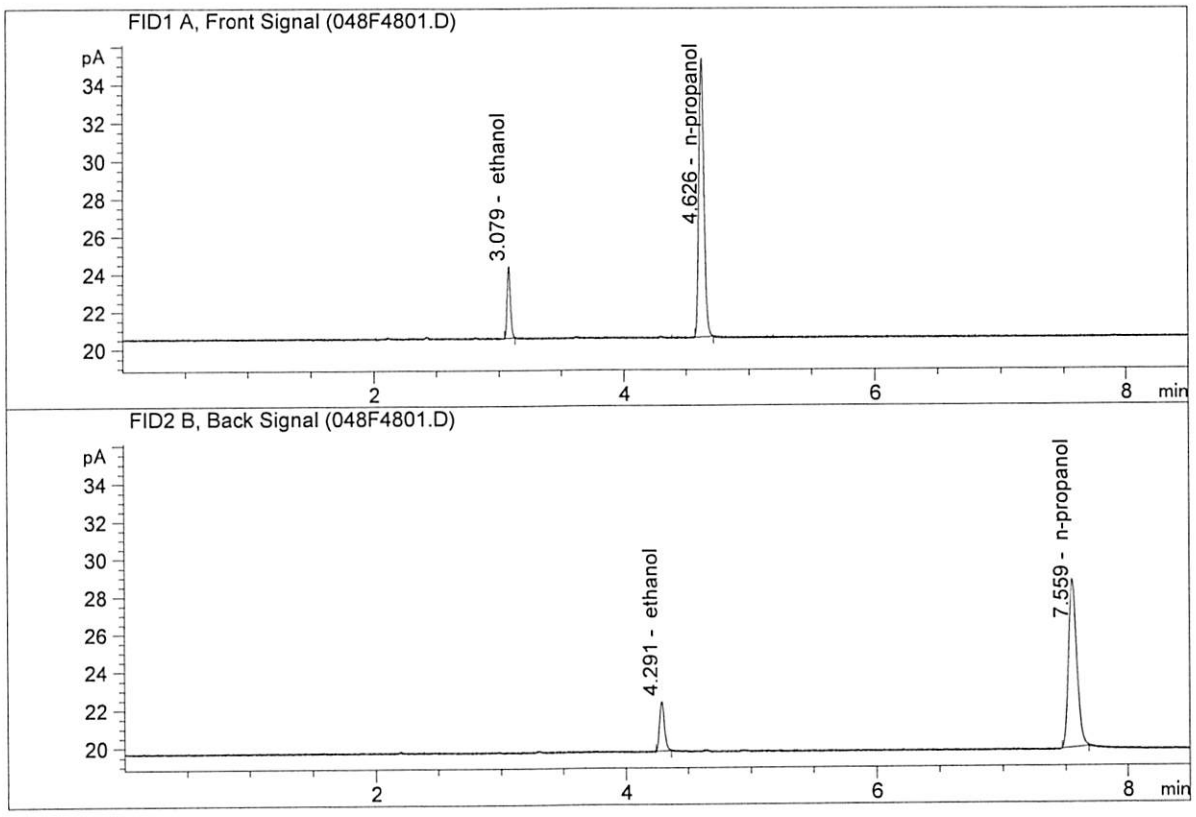


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.01630	0.0807	g/100cc
2.	Ethanol	Column 2:	7.06062	0.0812	g/100cc
3.	n-Propanol	Column 1:	42.16649	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.52369	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : May 8, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.01220	0.0810	g/100cc
2.	Ethanol	Column 2:	7.06356	0.0815	g/100cc
3.	n-Propanol	Column 1:	42.02169	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.33840	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 07 May 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1985	0.1963	0.0022	0.1974	0.0025	0.1986
(g/100cc)	0.2006	0.1992	0.0014	0.1999		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.198	0.188	0.208	0.010

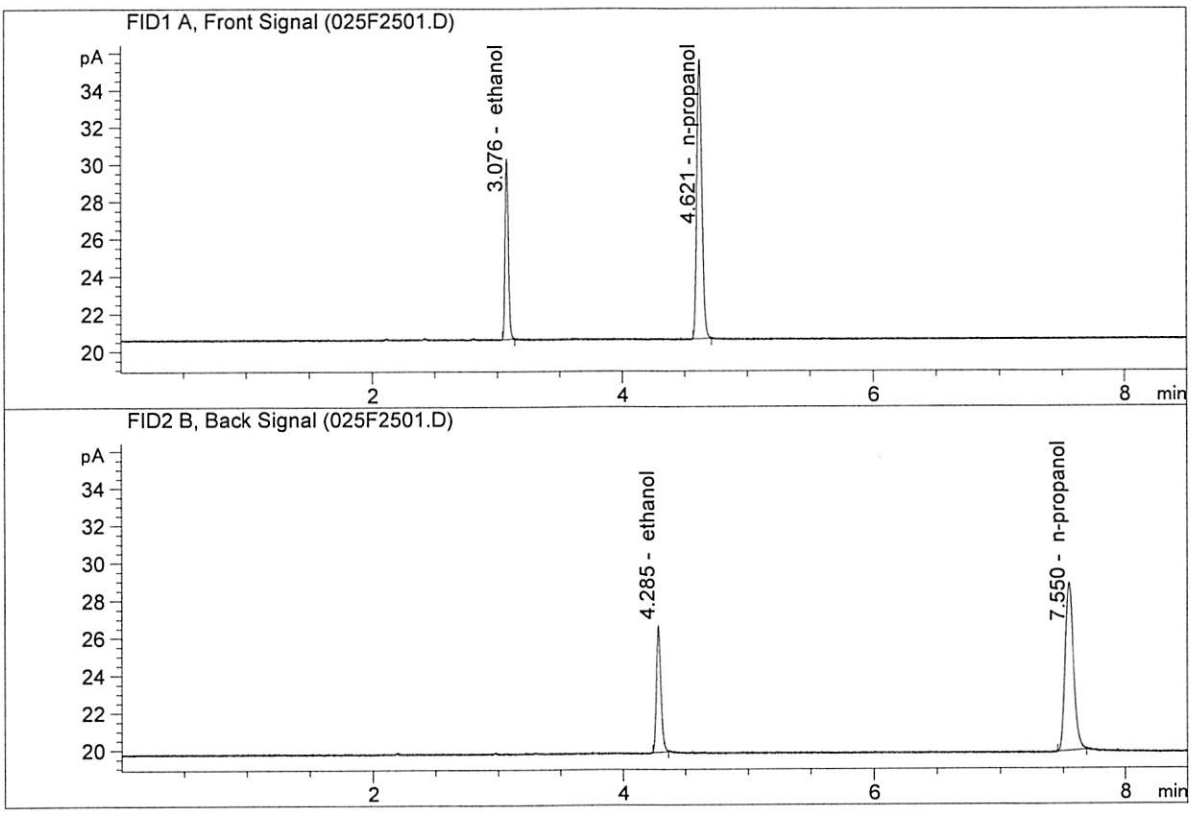
	Reported Result	
	0.198	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

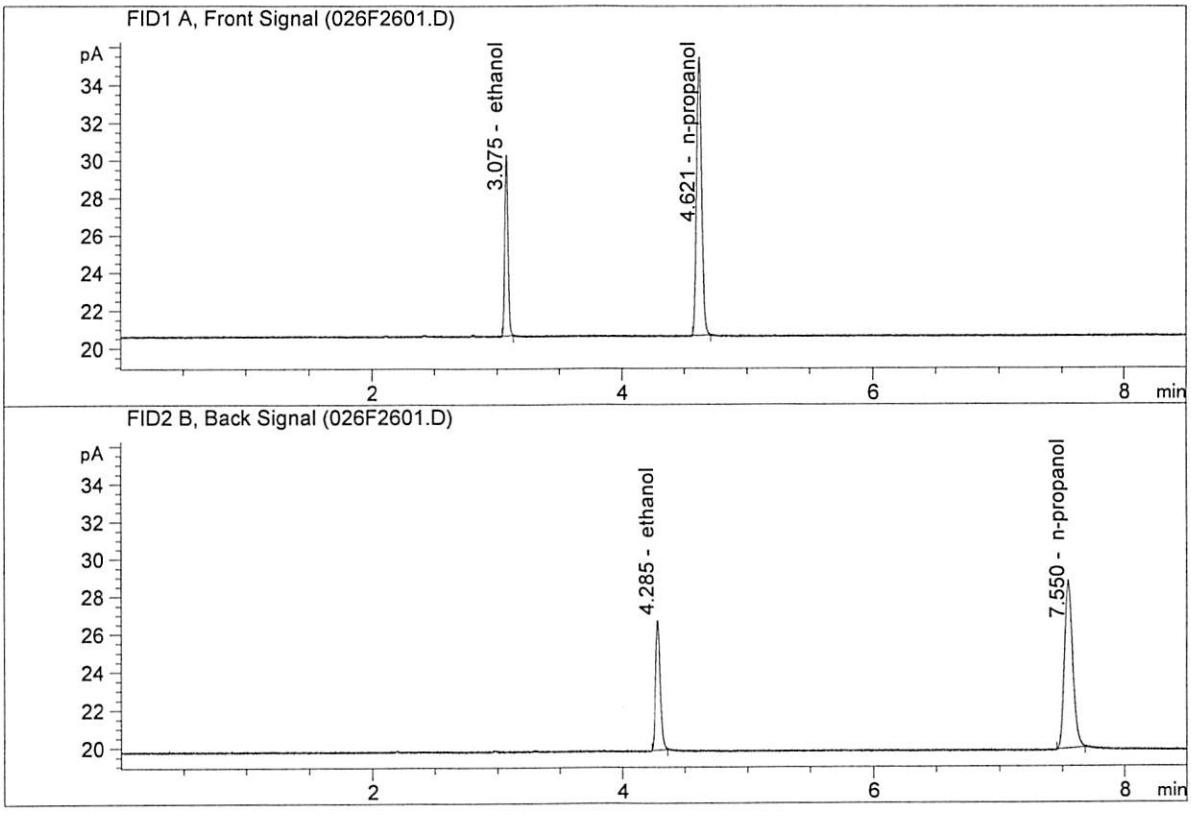


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.63017	0.1985	g/100cc
2.	Ethanol	Column 2:	18.10967	0.1963	g/100cc
3.	n-Propanol	Column 1:	42.52563	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.98333	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.67230	0.2006	g/100cc
2.	Ethanol	Column 2:	18.17103	0.1992	g/100cc
3.	n-Propanol	Column 1:	42.17343	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.47473	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 08 May 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1999	0.1990	0.0009	0.1994	0.0020	0.2004
(g/100cc)	0.2016	0.2013	0.0003	0.2014		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.200	0.190	0.210	0.010

Reported Result

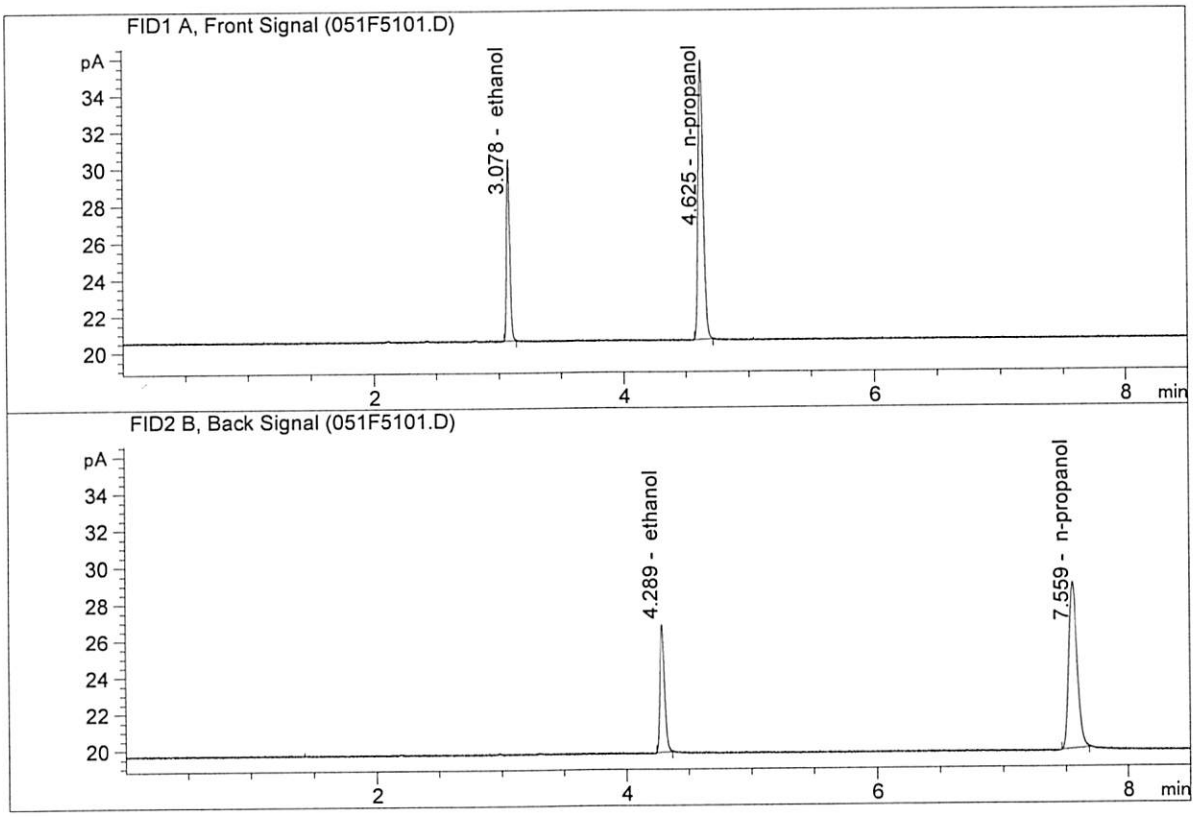
0.200

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : May 8, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

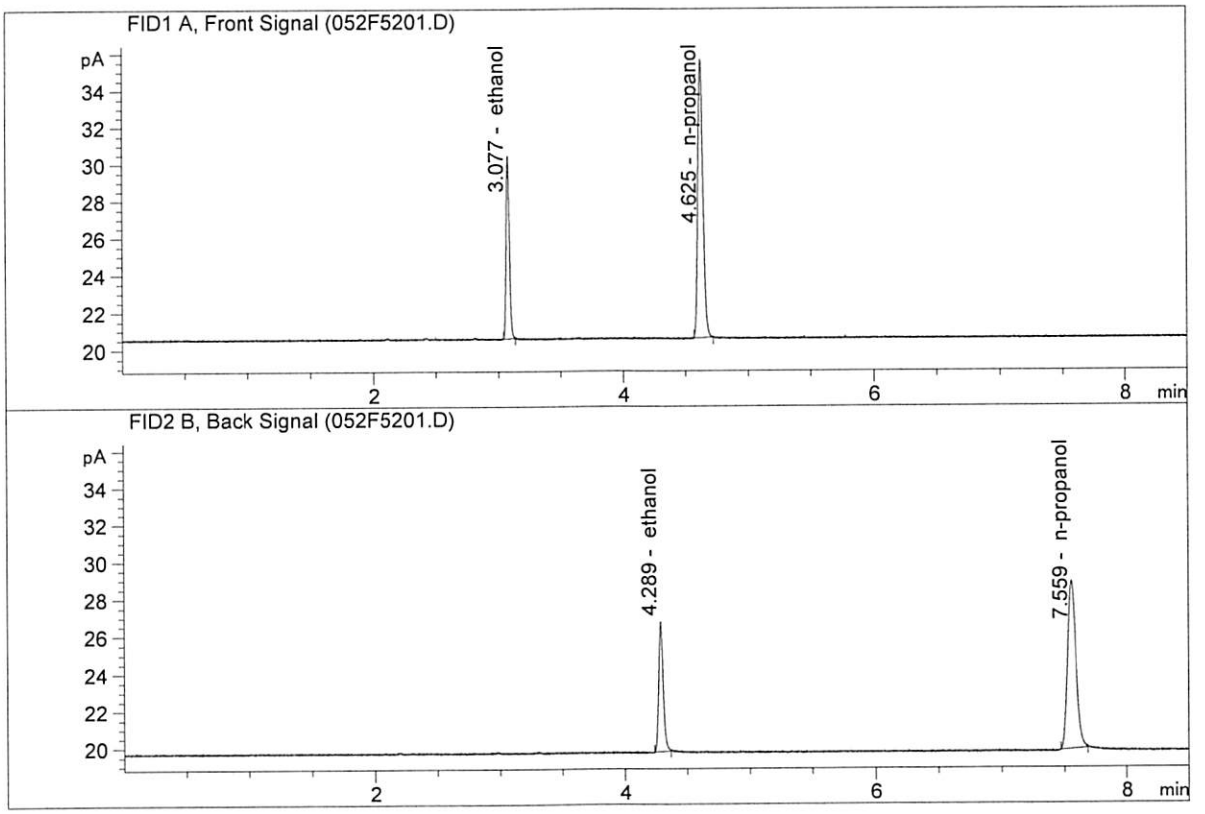


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.08202	0.1999	g/100cc
2.	Ethanol	Column 2:	18.66730	0.1990	g/100cc
3.	n-Propanol	Column 1:	43.29355	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.68478	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : May 8, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.00699	0.2016	g/100cc
2.	Ethanol	Column 2:	18.61030	0.2013	g/100cc
3.	n-Propanol	Column 1:	42.74166	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.03936	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 07 May 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0801	0.0812	0.0011	0.0806	0.0003	0.0807
(g/100cc)	0.0805	0.0813	0.0008	0.0809		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

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

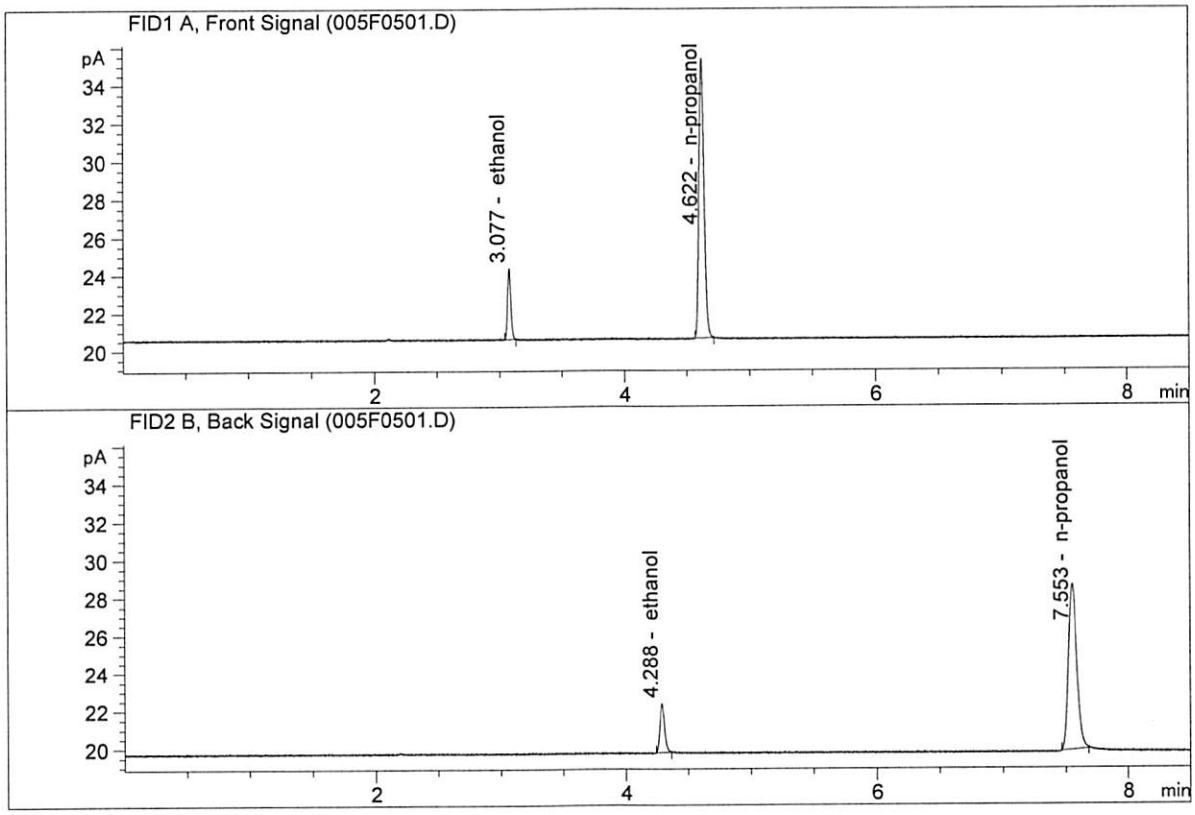
	Reported Result	
	0.080	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

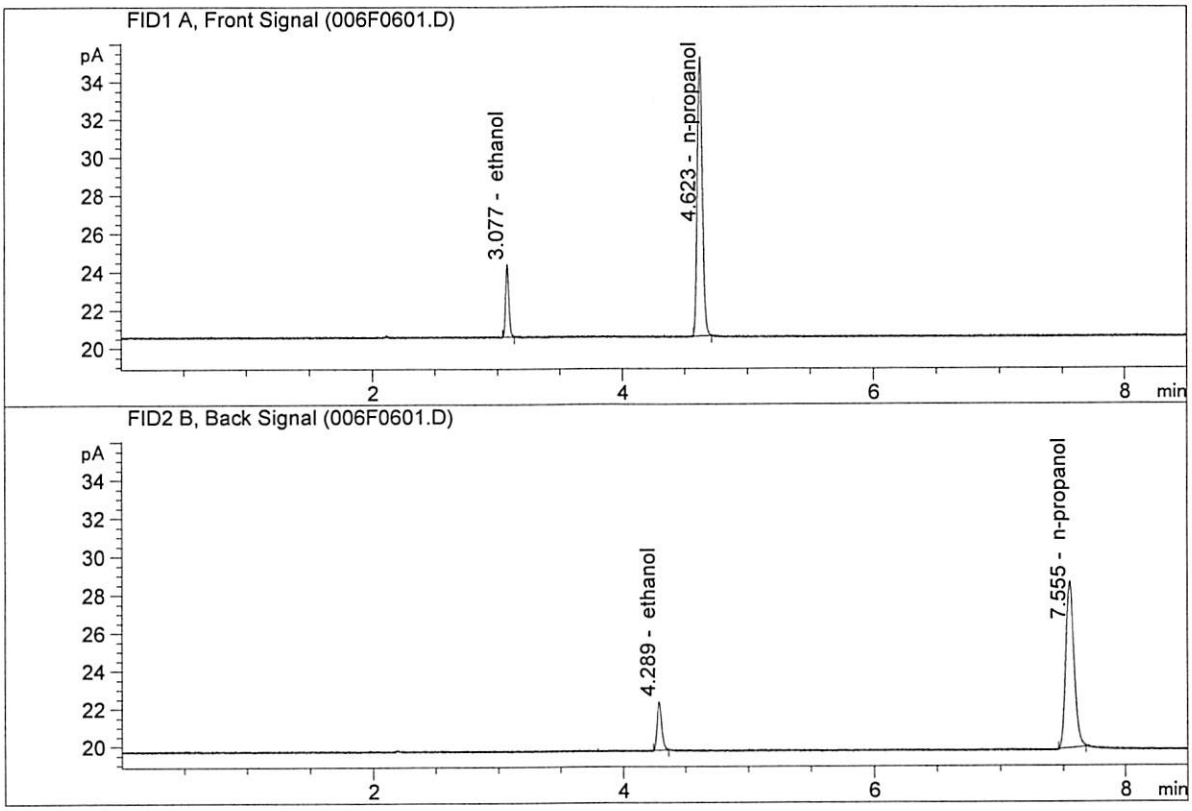


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.90955	0.0801	g/100cc
2.	Ethanol	Column 2:	6.96099	0.0812	g/100cc
3.	n-Propanol	Column 1:	41.86672	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.93965	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : May 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

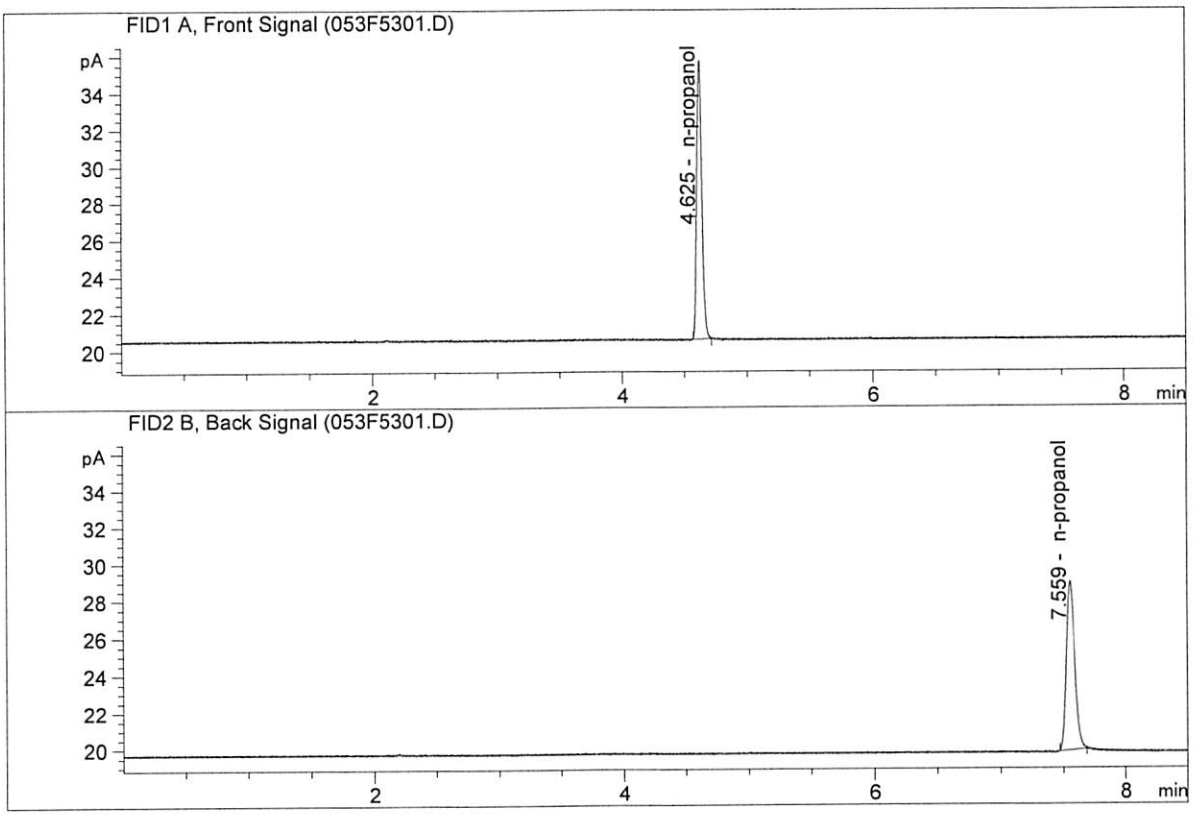


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.90952	0.0805	g/100cc
2.	Ethanol	Column 2:	6.94678	0.0813	g/100cc
3.	n-Propanol	Column 1:	41.65185	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.79773	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.07301	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.46168	1.0000	g/100cc

MB

Sample Summary

Sequence table: C:\Chem32\1\Data\05-07-20_SAMPLES\05-07-20_SAMPLES 2020-05-07 15-50-26\05 07-20_SAMPLES.S
Data directory path: C:\Chem32\1\Data\05-07-20_SAMPLES\05-07-20_SAMPLES 2020-05-07 15-50-26\
Logbook: C:\Chem32\1\Data\05-07-20_SAMPLES\05-07-20_SAMPLES 2020-05-07 15-50-26\05 07-20_SAMPLES.LOG
Sequence start: 5/7/2020 4:05:13 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\05-07-20_SAMPLES\05-07-20_SAMPLES 2020-05-07 15-50-26 \ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
1	1	1	INTERNAL STD BLK	-	1.0000	001F0101.D	2
2	2	1	MIX VOL FN060415	-	1.0000	002F0201.D	10
3	3	1	QC1-1-A	-	1.0000	003F0301.D	4
4	4	1	QC1-1-B	-	1.0000	004F0401.D	4
5	5	1	0.08 FN04171701-	-	1.0000	005F0501.D	4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D	4
7	7	1	M2020-1448-1-A	-	1.0000	007F0701.D	2
8	8	1	M2020-1448-1-B	-	1.0000	008F0801.D	2
9	9	1	M2020-1449-1-A	-	1.0000	009F0901.D	4
10	10	1	M2020-1449-1-B	-	1.0000	010F1001.D	4
11	11	1	M2020-1450-1-A	-	1.0000	011F1101.D	4
12	12	1	M2020-1450-1-B	-	1.0000	012F1201.D	4
13	13	1	M2020-1457-1-A	-	1.0000	013F1301.D	2
14	14	1	M2020-1457-1-B	-	1.0000	014F1401.D	2
15	15	1	M2020-1471-1-A	-	1.0000	015F1501.D	4
16	16	1	M2020-1471-1-B	-	1.0000	016F1601.D	4
17	17	1	M2020-1472-1-A	-	1.0000	017F1701.D	4
18	18	1	M2020-1472-1-B	-	1.0000	018F1801.D	4
19	19	1	M2020-1473-1-A	-	1.0000	019F1901.D	4
20	20	1	M2020-1473-1-B	-	1.0000	020F2001.D	4
21	21	1	M2020-1478-1-A	-	1.0000	021F2101.D	4
22	22	1	M2020-1478-1-B	-	1.0000	022F2201.D	4
23	23	1	M2020-1492-1-A	-	1.0000	023F2301.D	5
24	24	1	M2020-1492-1-B	-	1.0000	024F2401.D	5
25	25	1	QC2-1-A	-	1.0000	025F2501.D	4
26	26	1	QC2-1-B	-	1.0000	026F2601.D	4
27	27	1	M2020-1510-1-A	-	1.0000	027F2701.D	4
28	28	1	M2020-1510-1-B	-	1.0000	028F2801.D	4
29	29	1	M2020-1511-1-A	-	1.0000	029F2901.D	4
30	30	1	M2020-1511-1-B	-	1.0000	030F3001.D	4
31	31	1	M2020-1520-1-A	-	1.0000	031F3101.D	2
32	32	1	M2020-1520-1-B	-	1.0000	032F3201.D	2
33	33	1	M2020-1529-1-A	-	1.0000	033F3301.D	4
34	34	1	M2020-1529-1-B	-	1.0000	034F3401.D	4
35	35	1	M2020-1530-1-A	-	1.0000	035F3501.D	4
36	36	1	M2020-1530-1-B	-	1.0000	036F3601.D	4
37	37	1	M2020-1562-1-A	-	1.0000	037F3701.D	2
38	38	1	M2020-1562-1-B	-	1.0000	038F3801.D	2
39	39	1	M2020-1563-1-A	-	1.0000	039F3901.D	4
40	40	1	M2020-1563-1-B	-	1.0000	040F4001.D	4
41	41	1	M2020-1585-2-A	-	1.0000	041F4101.D	2
42	42	1	M2020-1585-2-B	-	1.0000	042F4201.D	2
43	43	1	M2020-1613-1-A	-	1.0000	043F4301.D	4

Sequence File C:\Chem32\...0_SAMPLES\05-07-20_SAMPLES 2020-05-07 15-50-26\05-07-20_SAMPLES.S

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
44	44	1	M2020-1613-1-B	-	1.0000	044F4401.D		4
45	45	1	M2020-1629-1-A	-	1.0000	045F4501.D		4
46	46	1	M2020-1629-1-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	M2020-1634-1-A	-	1.0000	049F4901.D		4
50	50	1	M2020-1634-1-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\05-07-20_SAMPLES\05-07-20_SAMPLES 2020-05-07 15-50-26\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