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): 2/27/20-2/28/20**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0764 g/100cc
					0.0779 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1989 g/100cc
					0.1996 g/100cc
					g/100cc

Multi-Component mixture:		Lot #	FN06041502	
Curve Fit:	Column 1	1.00000	Column2	0.99996

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0502	0.0520	0.0018	0.0511
100	0.100	0.090 - 0.110	0.1000	0.0996	0.0004	0.0998
200	0.200	0.180 - 0.220	0.1998	0.1981	0.0017	0.1989
300	0.300	0.270 - 0.330	0.2999	0.2992	0.0007	0.2995
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5001	0.5011	0.001	0.5006

Aqueous Controls

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

NB 2/28/20

NB

Worklist: 4035

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-0662	2	BCK	Alcohol Analysis
M2020-0671	1	BCK	Alcohol Analysis
M2020-0672	1	BCK	Alcohol Analysis
M2020-0685	1	BCK	Alcohol Analysis
M2020-0690	1	BCK	Alcohol Analysis
M2020-0701	1	BCK	Alcohol Analysis
M2020-0706	1	BCK	BATS Proficiency Test
M2020-0706	2	BCK	BATS Proficiency Test
M2020-0706	3	BCK	BATS Proficiency Test
M2020-0706	4	BCK	BATS Proficiency Test
M2020-0713	1	BCK	Alcohol Analysis
M2020-0721	1	BCK	Alcohol Analysis
M2020-0722	1	BCK	Alcohol Analysis
M2020-0741	2	BCK	Alcohol Analysis
M2020-0749	1	BCK	Alcohol Analysis
M2020-0750	1	BCK	Alcohol Analysis
M2020-0751	1	BCK	Alcohol Analysis
M2020-0752	1	BCK	Alcohol Analysis
M2020-0764	1	BCK	Alcohol Analysis
M2020-0806	1	BCK	Alcohol Analysis
M2020-0807	1	BCK	Alcohol Analysis

Worklist: 4035

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-0820	1	BCK	Alcohol Analysis
M2020-0825	1	BCK	Alcohol Analysis

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, February 27, 2020 4:14:46 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	4.15555	1.20321e-2	No	No	1	ethanol
		2	1.00000e-1	8.43803	1.18511e-2				
		3	2.00000e-1	16.91318	1.18251e-2				
		4	3.00000e-1	25.19856	1.19054e-2				
		5	5.00000e-1	42.84309	1.16705e-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	4.27189	1.17044e-2	No	No	2	ethanol
		2	1.00000e-1	8.65255	1.15573e-2				
		3	2.00000e-1	17.59893	1.13643e-2				
		4	3.00000e-1	26.39733	1.13648e-2				
		5	5.00000e-1	45.31849	1.10330e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	41.51477	2.40878e-2	No	Yes	1	n-propanol
		2	1.00000	41.73460	2.39609e-2				
		3	1.00000	41.57691	2.40518e-2				
		4	1.00000	41.17767	2.42850e-2				
		5	1.00000	41.91212	2.38594e-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	43.15970	2.31698e-2	No	Yes	2	n-propanol
		2	1.00000	43.13081	2.31853e-2				
		3	1.00000	42.79897	2.33650e-2				
		4	1.00000	42.09258	2.37572e-2				
		5	1.00000	42.80457	2.33620e-2				

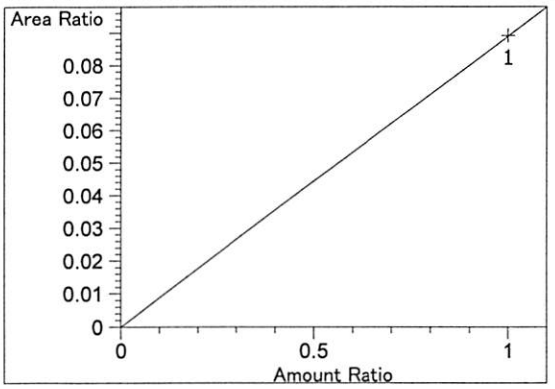
Peak Sum Table

No Entries in table

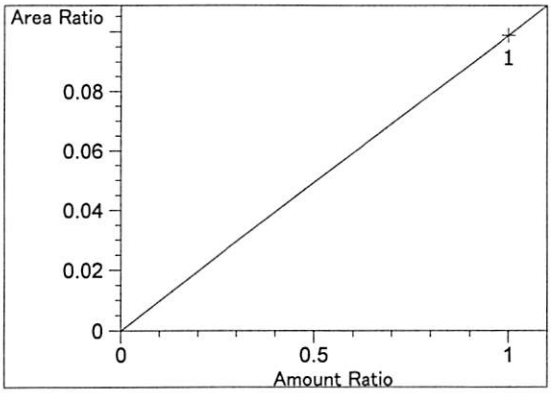
1 Warnings or Errors :

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

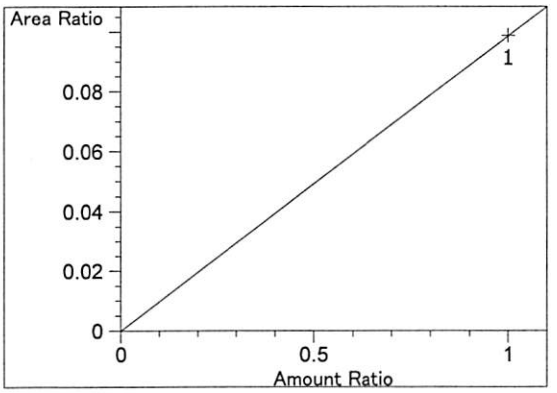
Calibration Curves



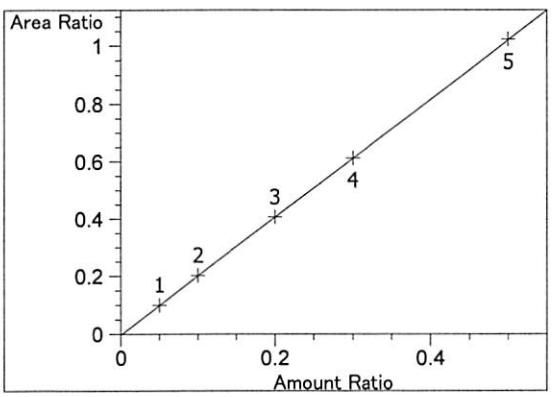
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.90453e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



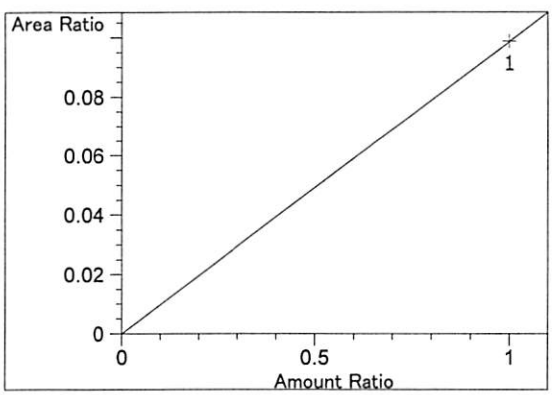
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.87264e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.87264e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

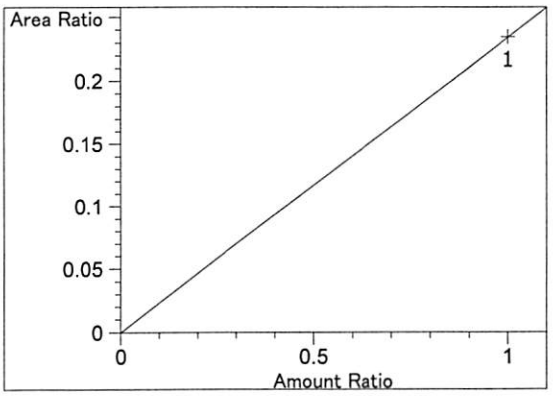


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00033
Formula: y = mx + b
m: 2.04944
b: -2.72476e-3
x: Amount Ratio
y: Area Ratio

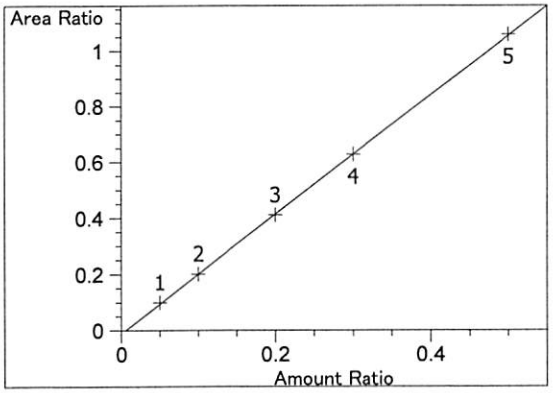


methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.87177e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

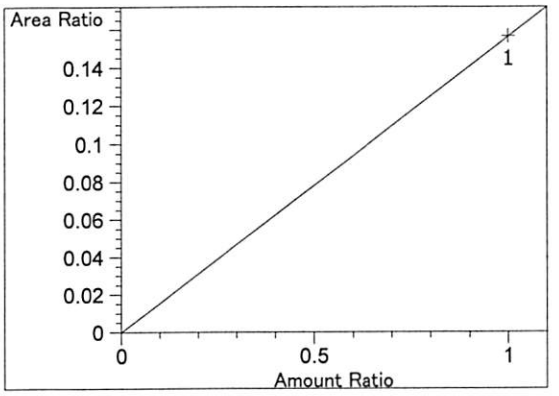
NB



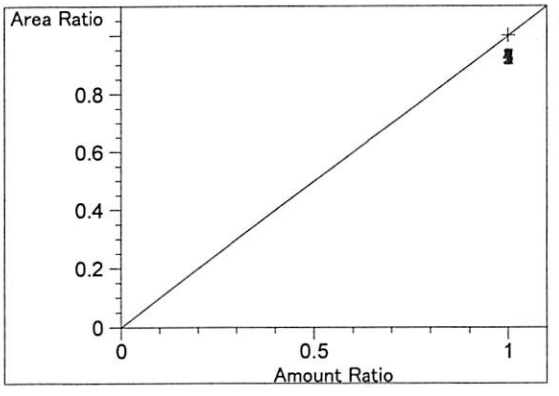
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.34388e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



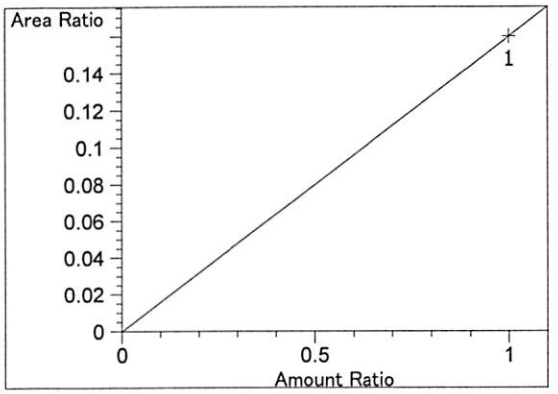
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99996
Residual Std. Dev.: 0.00385
Formula: y = mx + b
m: 2.13691
b: -1.21597e-2
x: Amount Ratio
y: Area Ratio



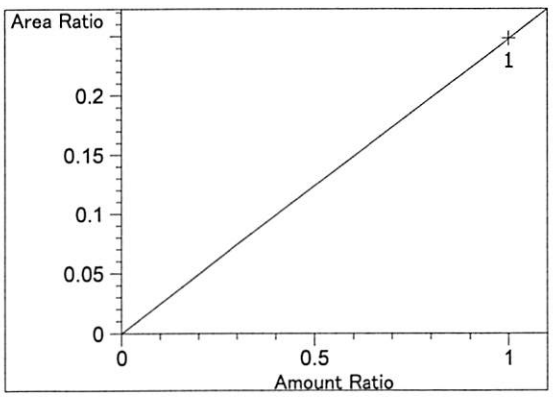
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.56556e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



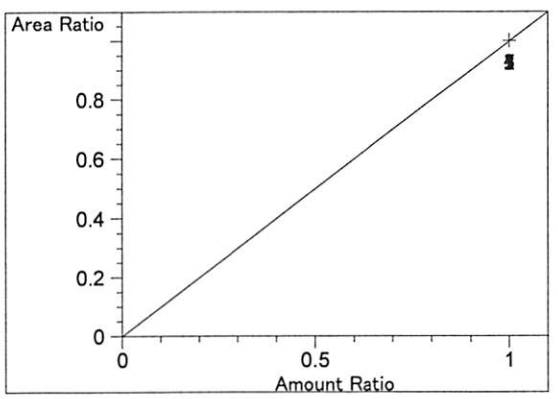
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.59709e-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: 2.48065e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



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

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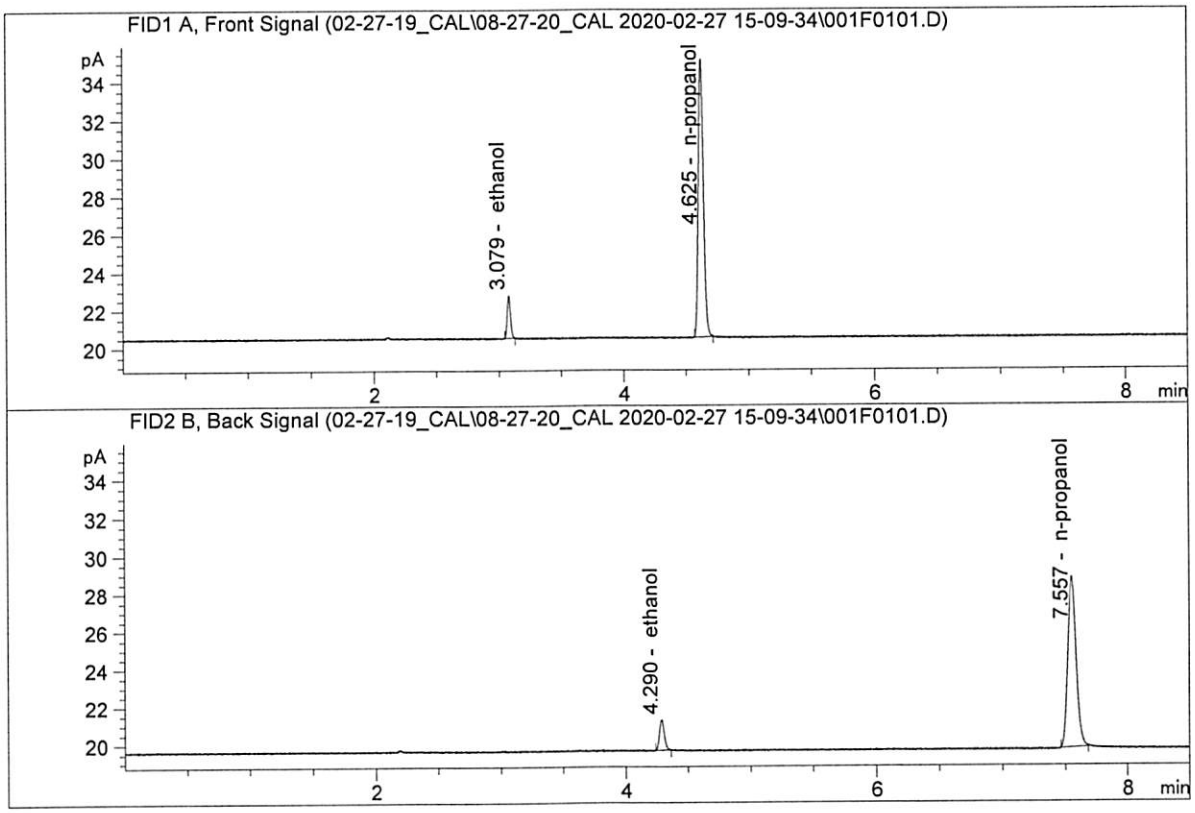
ISP Forensic Services Blood Alcohol Report

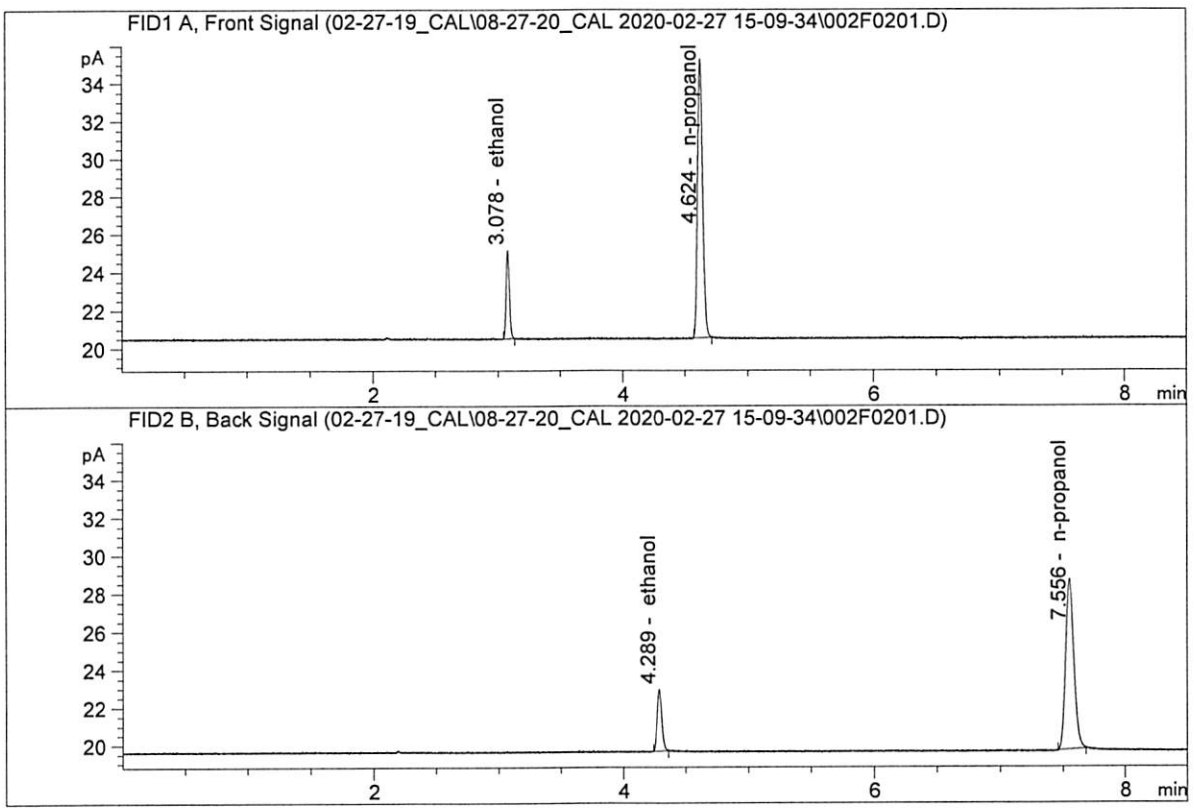
Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.15555	0.0502	g/100cc
2.	Ethanol	Column 2:	4.27189	0.0520	g/100cc
3.	n-Propanol	Column 1:	41.51477	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.15970	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

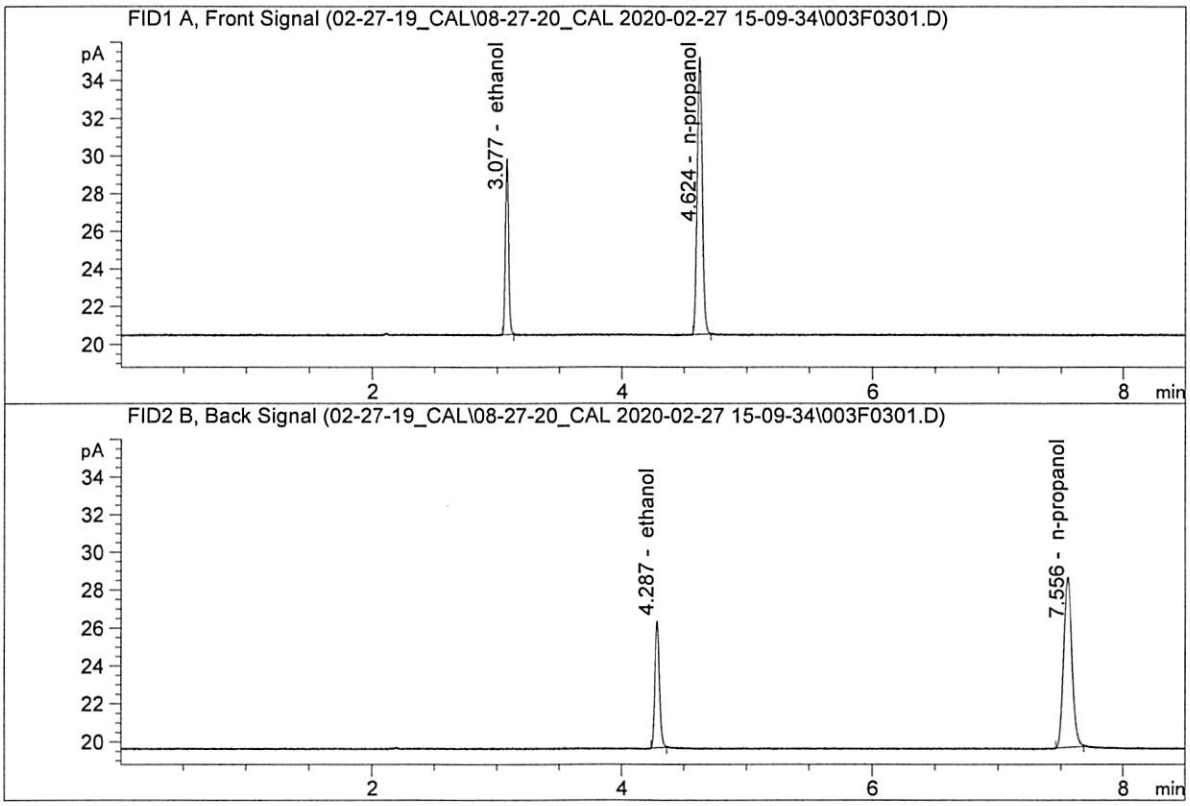
Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.43803	0.1000	g/100cc
2.	Ethanol	Column 2:	8.65255	0.0996	g/100cc
3.	n-Propanol	Column 1:	41.73460	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.13081	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

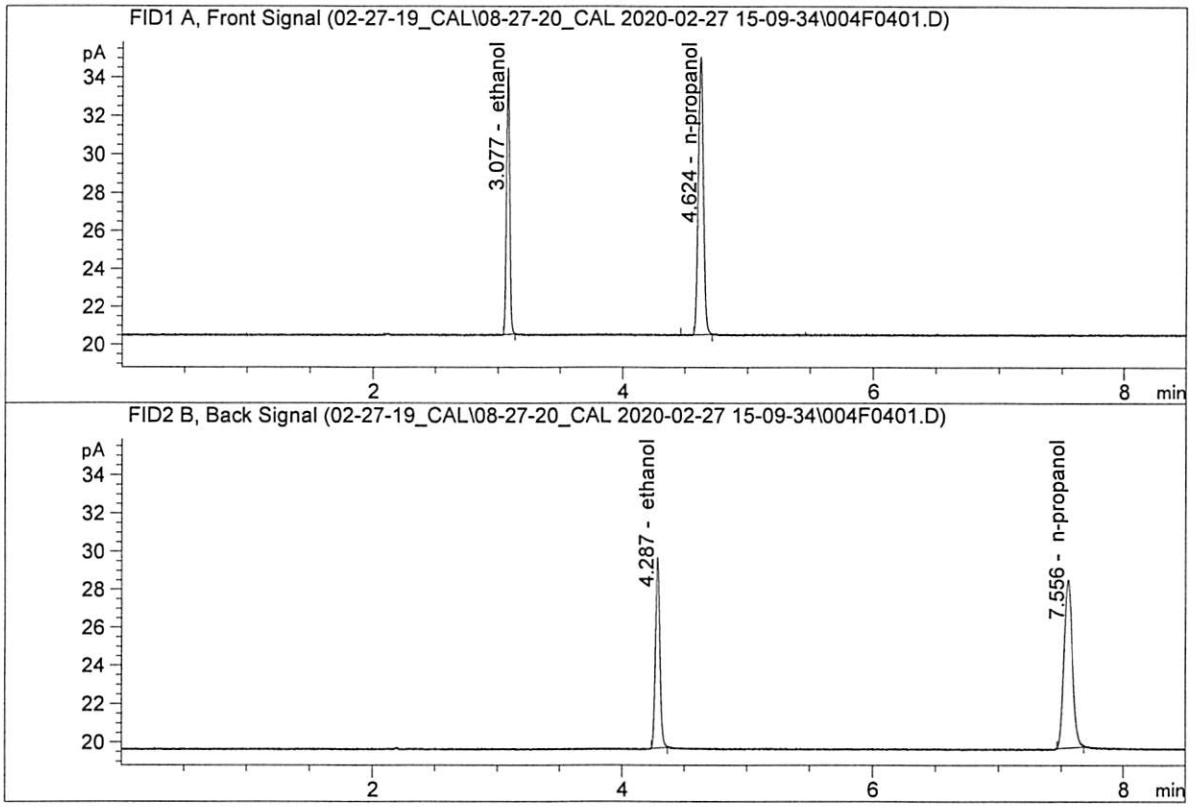
Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.91318	0.1998	g/100cc
2.	Ethanol	Column 2:	17.59893	0.1981	g/100cc
3.	n-Propanol	Column 1:	41.57691	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.79897	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

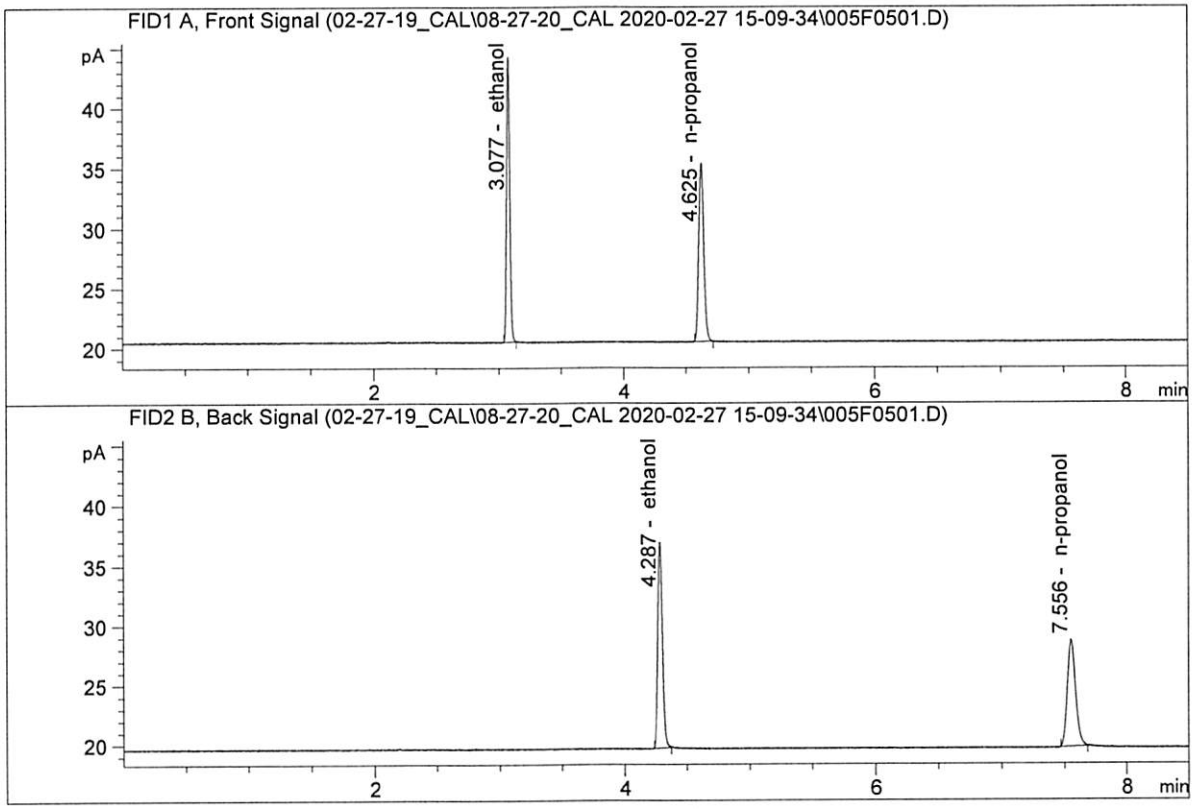
Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	25.19856	0.2999	g/100cc
2.	Ethanol	Column 2:	26.39733	0.2992	g/100cc
3.	n-Propanol	Column 1:	41.17767	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.09258	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

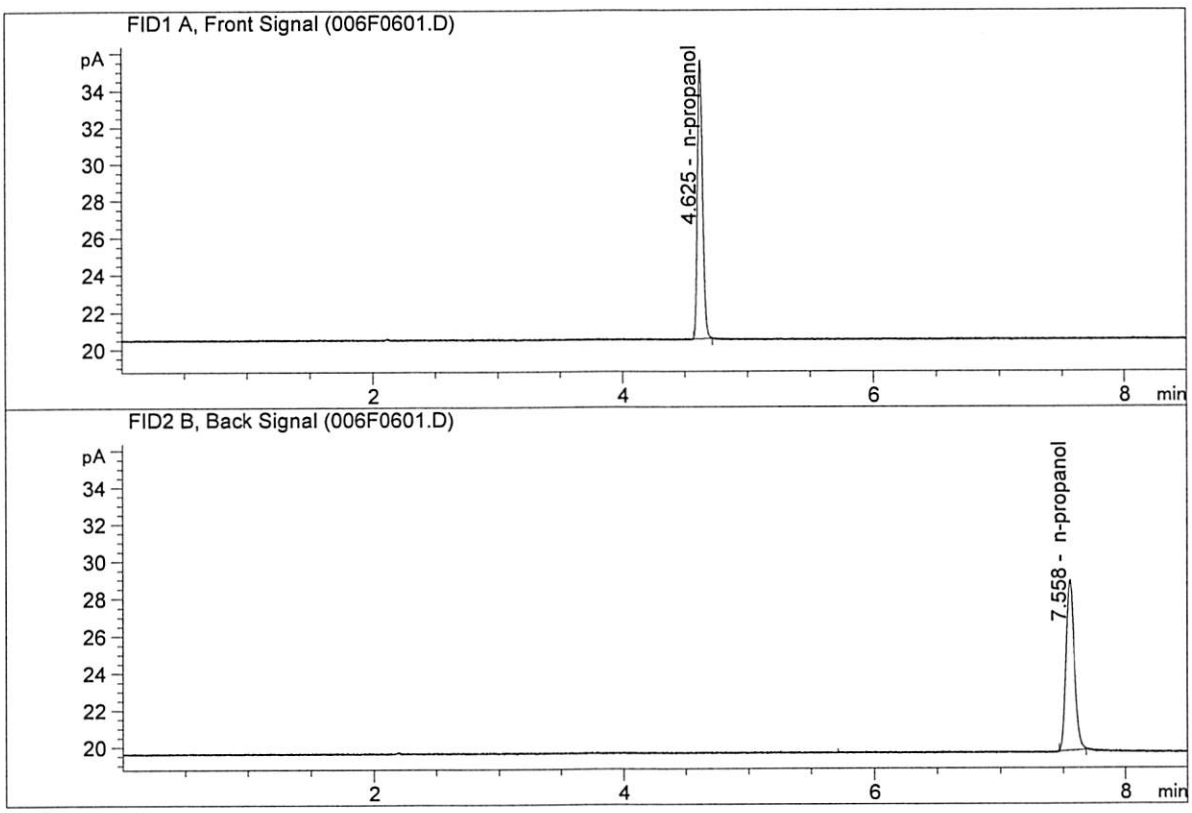


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	42.84309	0.5001	g/100cc
2.	Ethanol	Column 2:	45.31849	0.5011	g/100cc
3.	n-Propanol	Column 1:	41.91212	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.80457	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Feb 27, 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:	42.67885	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.70242	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\02-27-19_CAL\08-27-20_CAL 2020-02-27 15-09-34\08-27-20_CAL.S

Sample Summary

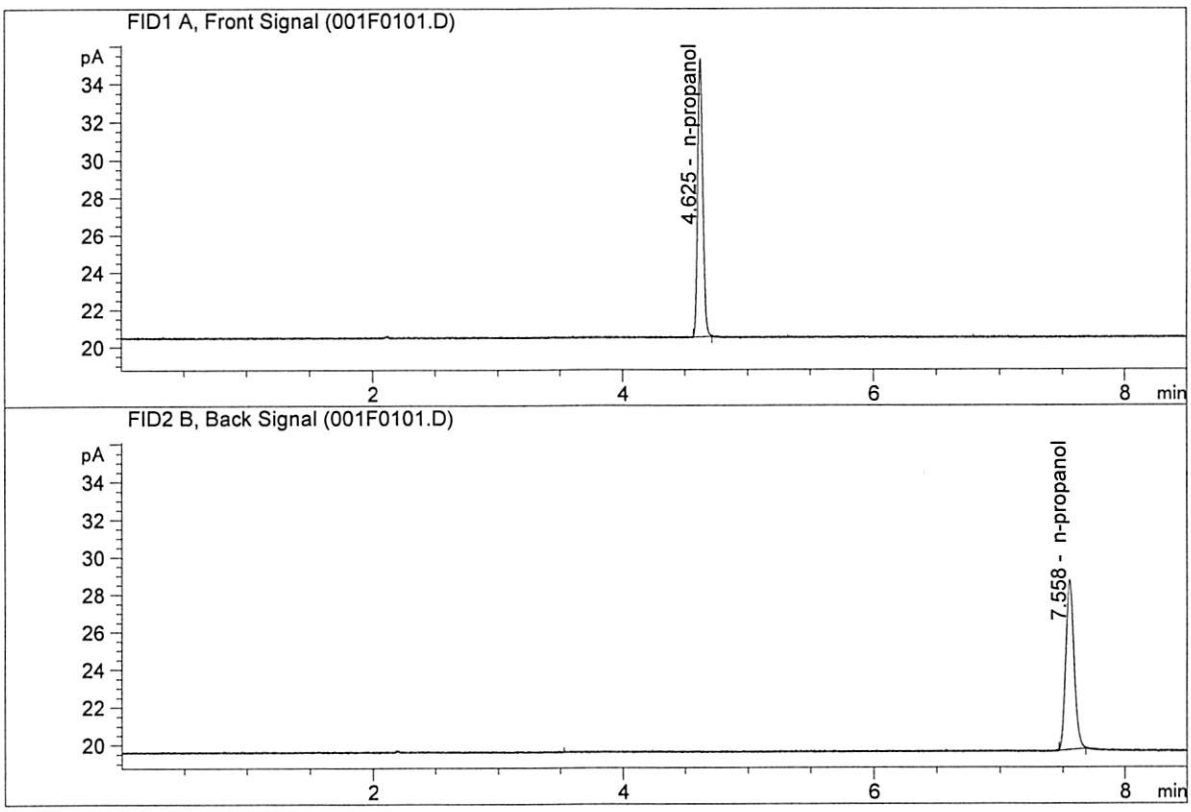
Sequence table: C:\Chem32\1\Data\02-27-19_CAL\08-27-20_CAL 2020-02-27 15-09-34\08-27-20_CAL.S
Data directory path: C:\Chem32\1\Data\02-27-19_CAL\08-27-20_CAL 2020-02-27 15-09-34\
Logbook: C:\Chem32\1\Data\02-27-19_CAL\08-27-20_CAL 2020-02-27 15-09-34\08-27-20_CAL.LOG
Sequence start: 2/27/2020 3:24:14 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\02-27-19_CAL\08-27-20_CAL 2020-02-27 15-09-34\ALCOHOL.M

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

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

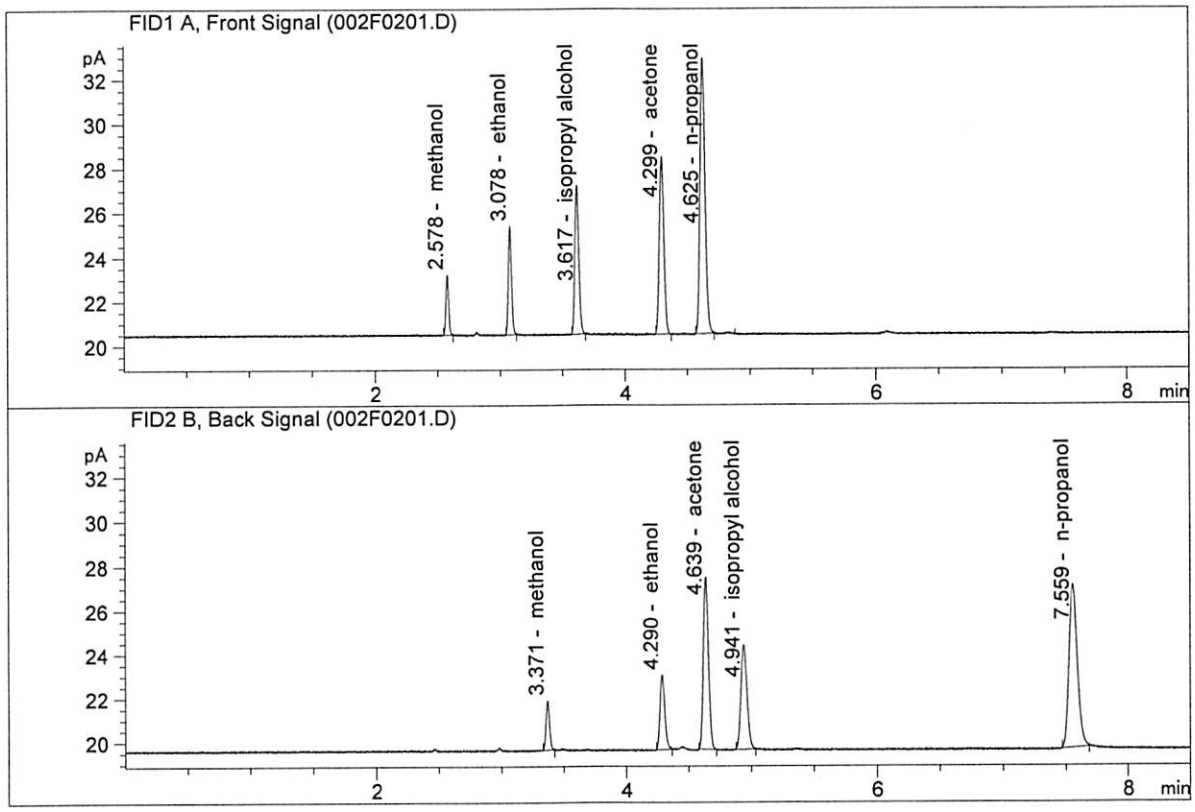


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.99419	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.14693	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.63272	0.1224	g/100cc
2.	Ethanol	Column 2:	8.92831	0.1238	g/100cc
3.	n-Propanol	Column 1:	34.80049	1.0000	g/100cc
4.	n-Propanol	Column 2:	35.36218	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 27 Feb 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0757	0.0769	0.0012	0.0763	0.0003	0.0764
(g/100cc)	0.0760	0.0772	0.0012	0.0766		

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%**

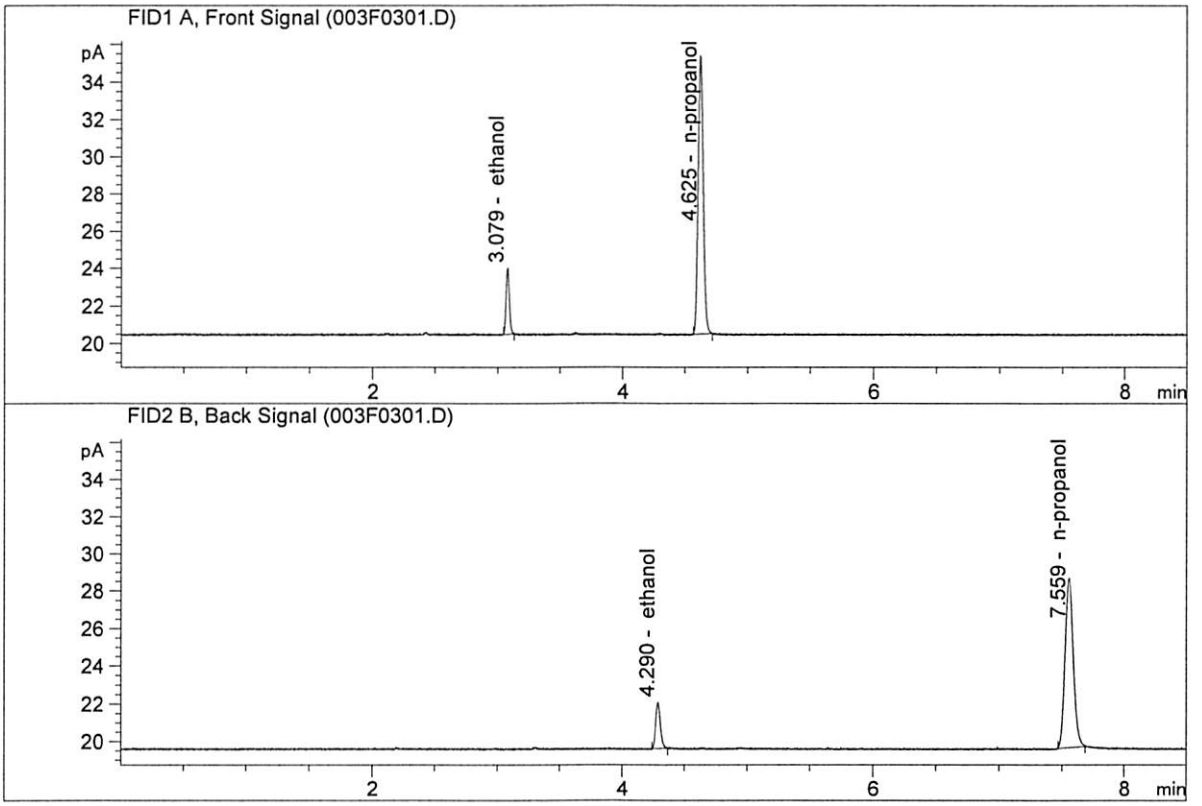
Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

	Reported Result	
	0.076	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

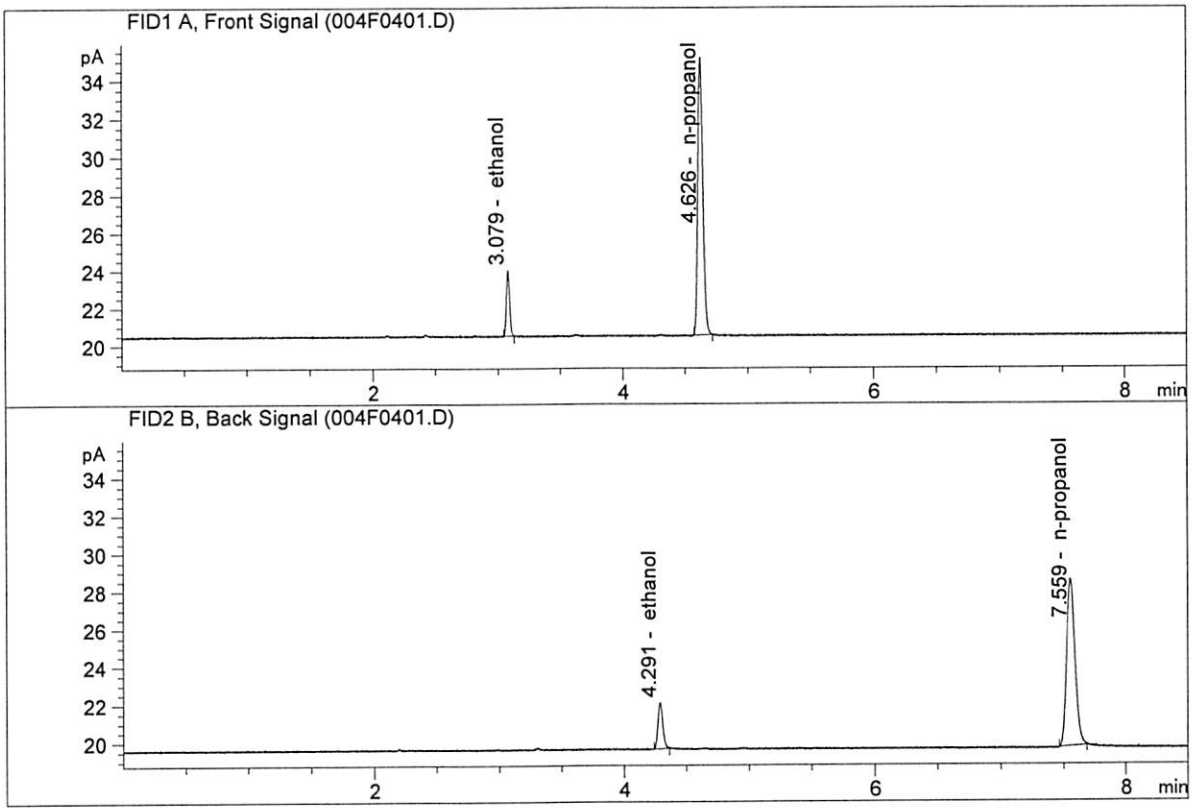


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.43442	0.0757	g/100cc
2.	Ethanol	Column 2:	6.56147	0.0769	g/100cc
3.	n-Propanol	Column 1:	42.19007	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.10421	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.35394	0.0760	g/100cc
2.	Ethanol	Column 2:	6.47918	0.0772	g/100cc
3.	n-Propanol	Column 1:	41.51807	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.41705	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 27 Feb 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0795	0.0808	0.0013	0.0801	0.0003	0.0803
(g/100cc)	0.0799	0.0810	0.0011	0.0804		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

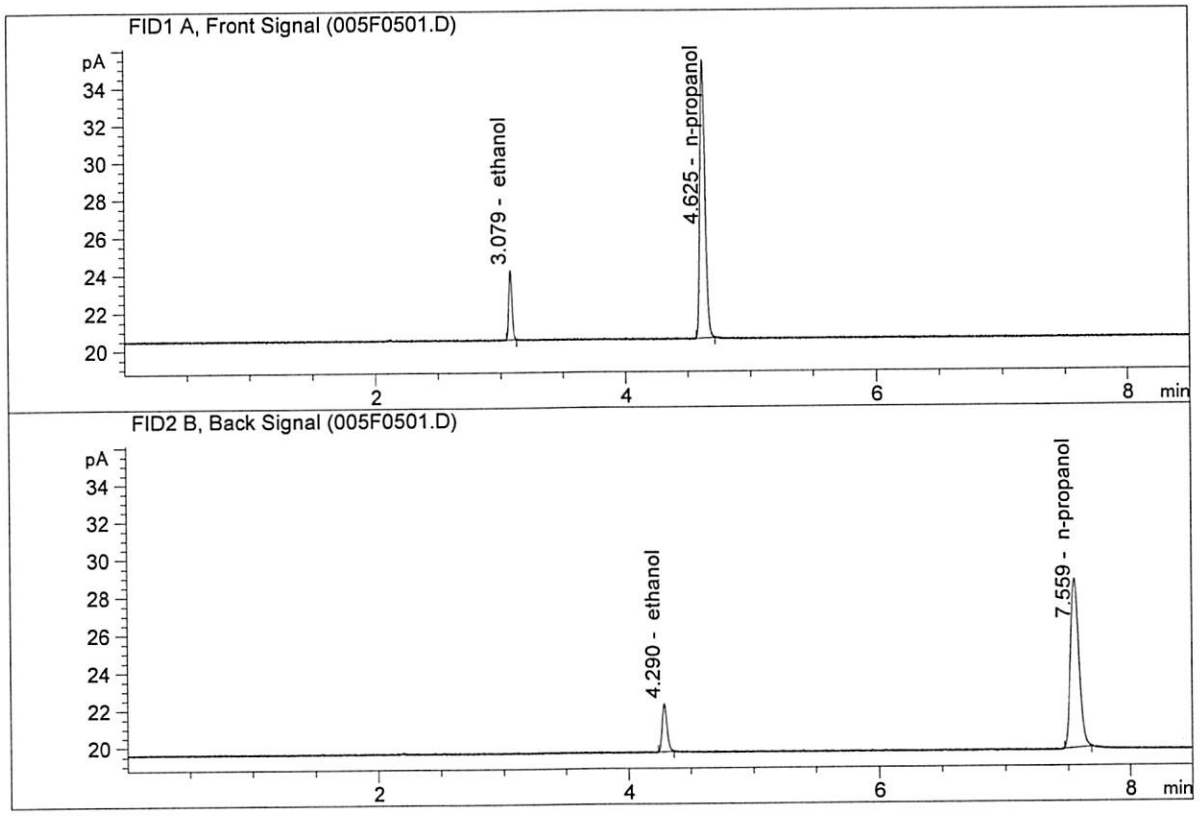
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

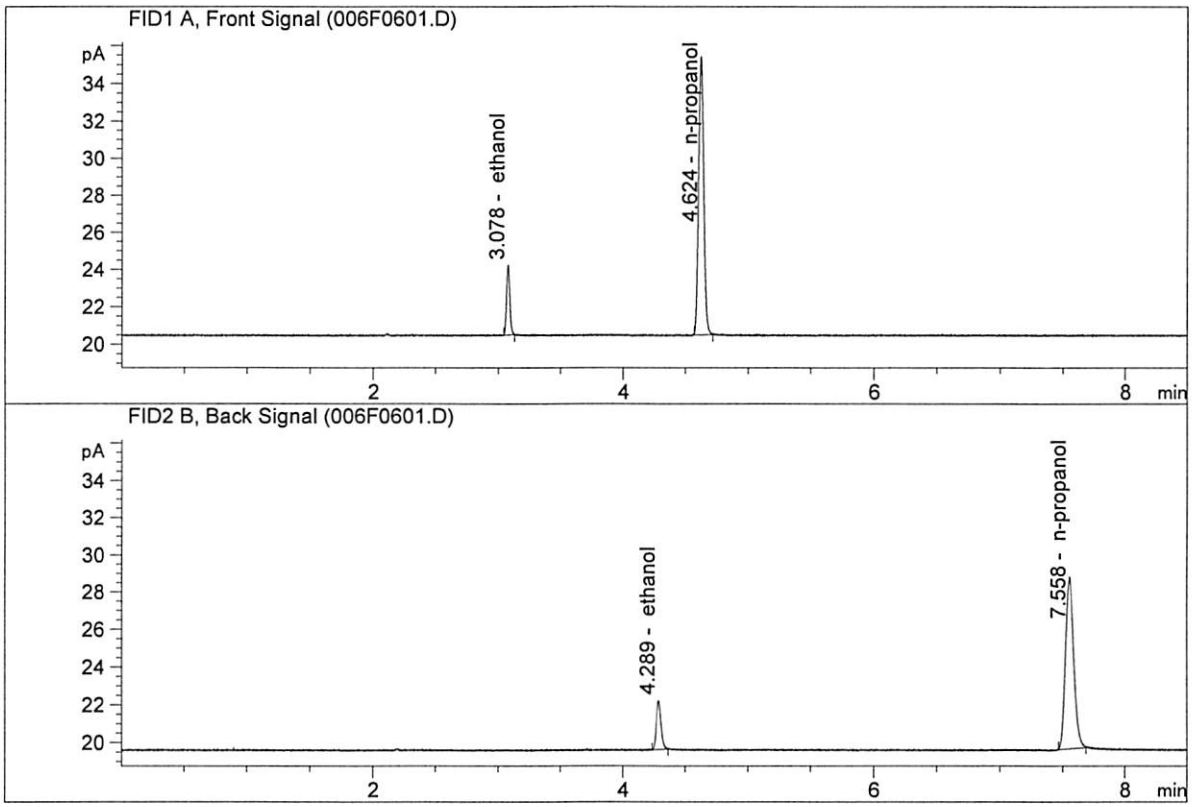


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.73495	0.0795	g/100cc
2.	Ethanol	Column 2:	6.88523	0.0808	g/100cc
3.	n-Propanol	Column 1:	42.03338	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.89687	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.80511	0.0799	g/100cc
2.	Ethanol	Column 2:	6.95097	0.0810	g/100cc
3.	n-Propanol	Column 1:	42.28207	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.20234	1.0000	g/100cc

MB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 27 Feb 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1997	0.2000	0.0003	0.1998	0.0018	0.1989
(g/100cc)	0.1980	0.1980	0.0000	0.1980		

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%**

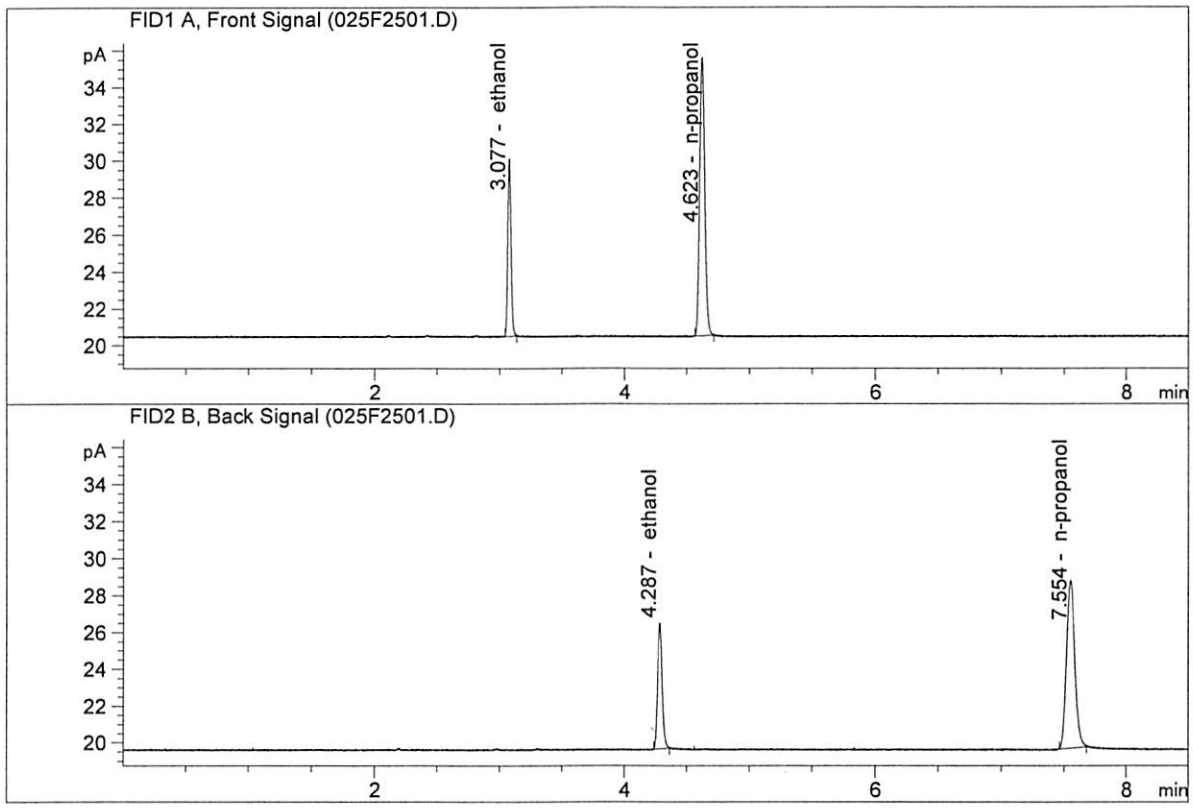
Overall Mean (g/100cc)	Low	High	5% of Mean
0.198	0.188	0.208	0.010

Reported Result
0.198

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

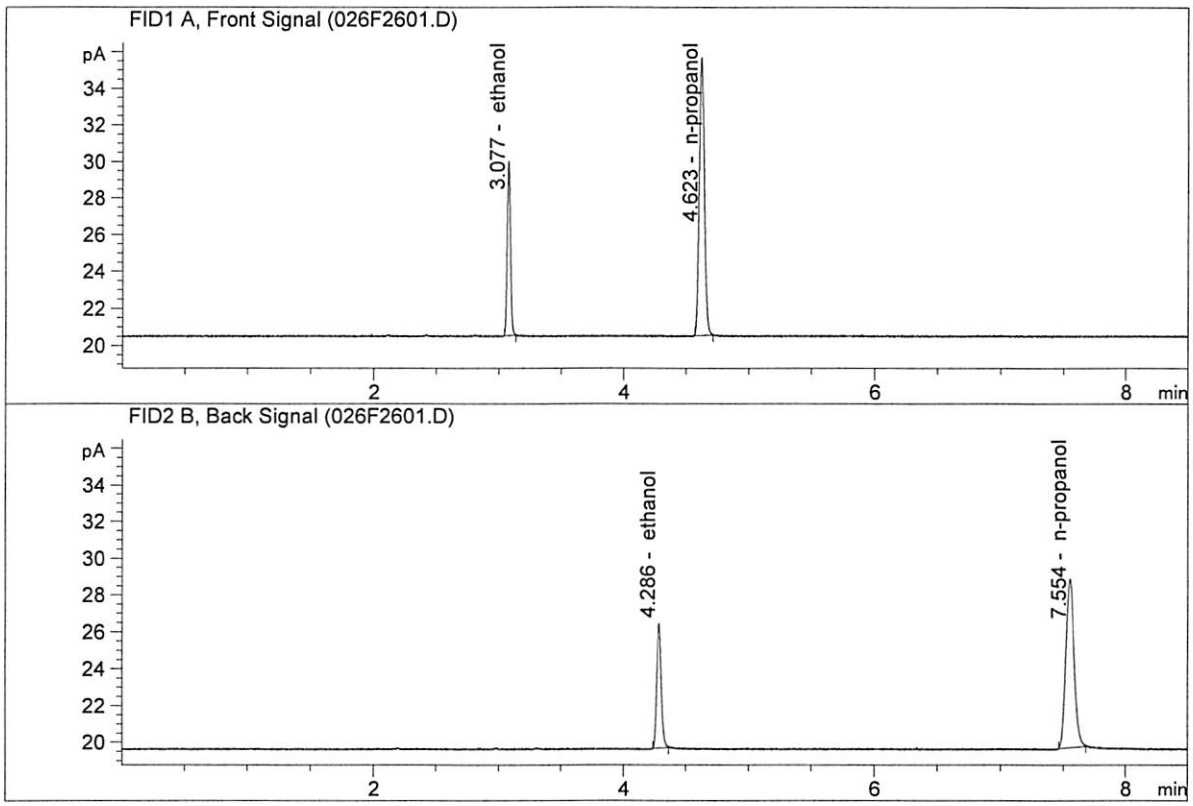
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.42819	0.1997	g/100cc
2.	Ethanol	Column 2:	18.09795	0.2000	g/100cc
3.	n-Propanol	Column 1:	42.86299	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.59109	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Feb 27, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.31041	0.1980	g/100cc
2.	Ethanol	Column 2:	17.95810	0.1980	g/100cc
3.	n-Propanol	Column 1:	42.95272	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.70564	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 28 Feb 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0772	0.0789	0.0017	0.0780	0.0003	0.0779
(g/100cc)	0.0771	0.0784	0.0013	0.0777		

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%**

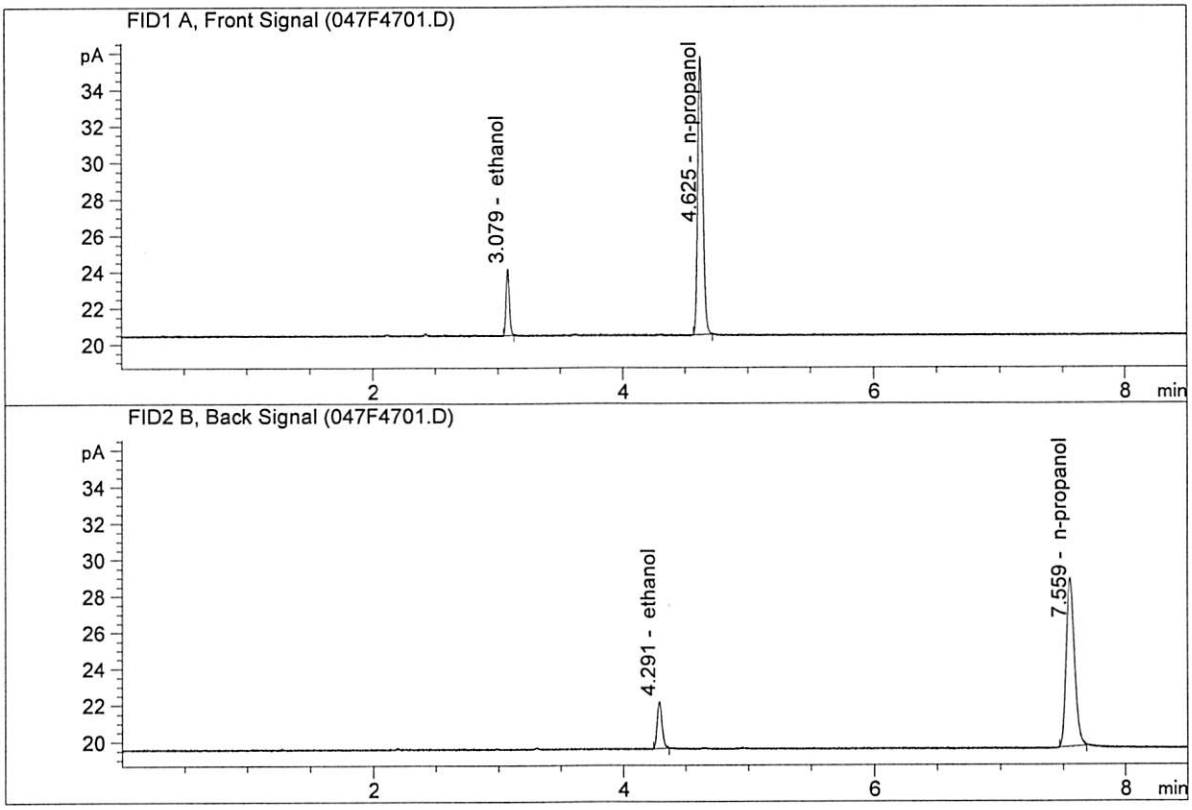
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

Reported Result
0.077

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Feb 28, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

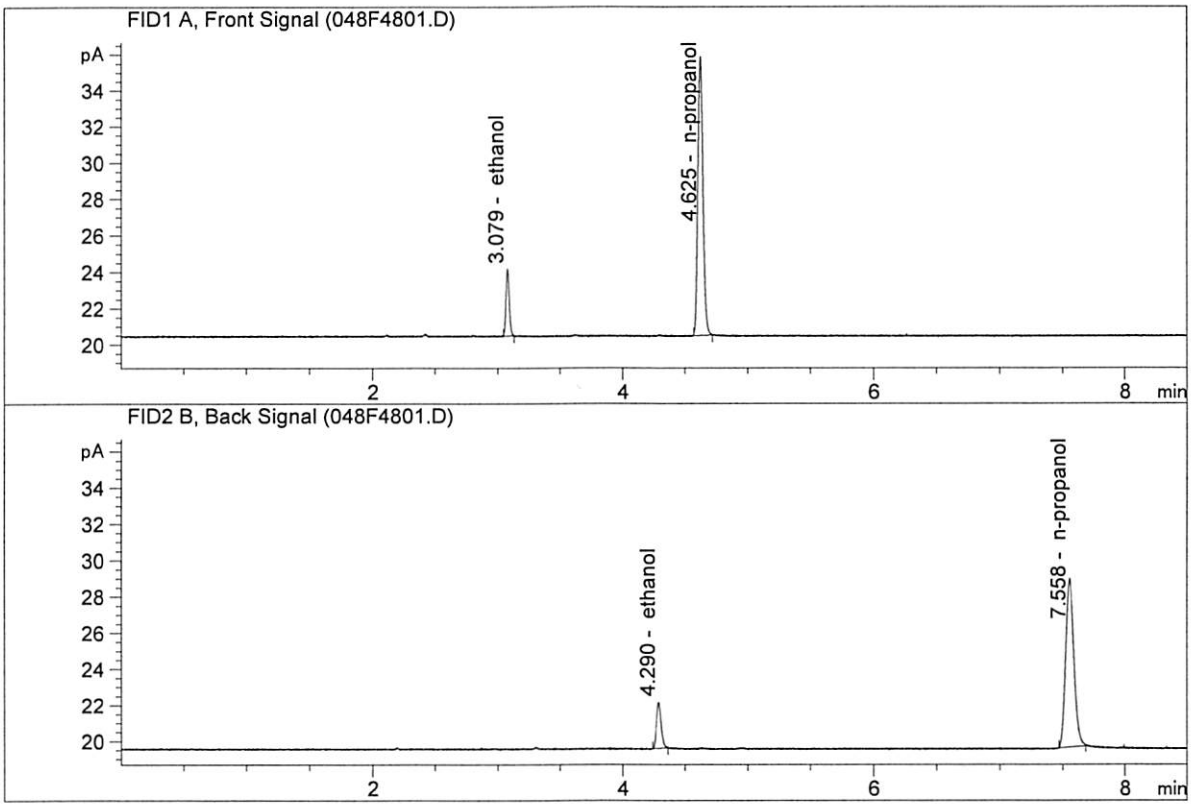


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.72799	0.0772	g/100cc
2.	Ethanol	Column 2:	6.90041	0.0789	g/100cc
3.	n-Propanol	Column 1:	43.26802	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.13673	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Feb 28, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.75604	0.0771	g/100cc
2.	Ethanol	Column 2:	6.88768	0.0784	g/100cc
3.	n-Propanol	Column 1:	43.53481	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.33459	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 28 Feb 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2007	0.2010	0.0003	0.2008	0.0024	0.1996
(g/100cc)	0.1986	0.1983	0.0003	0.1984		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	0.189	0.209	0.010

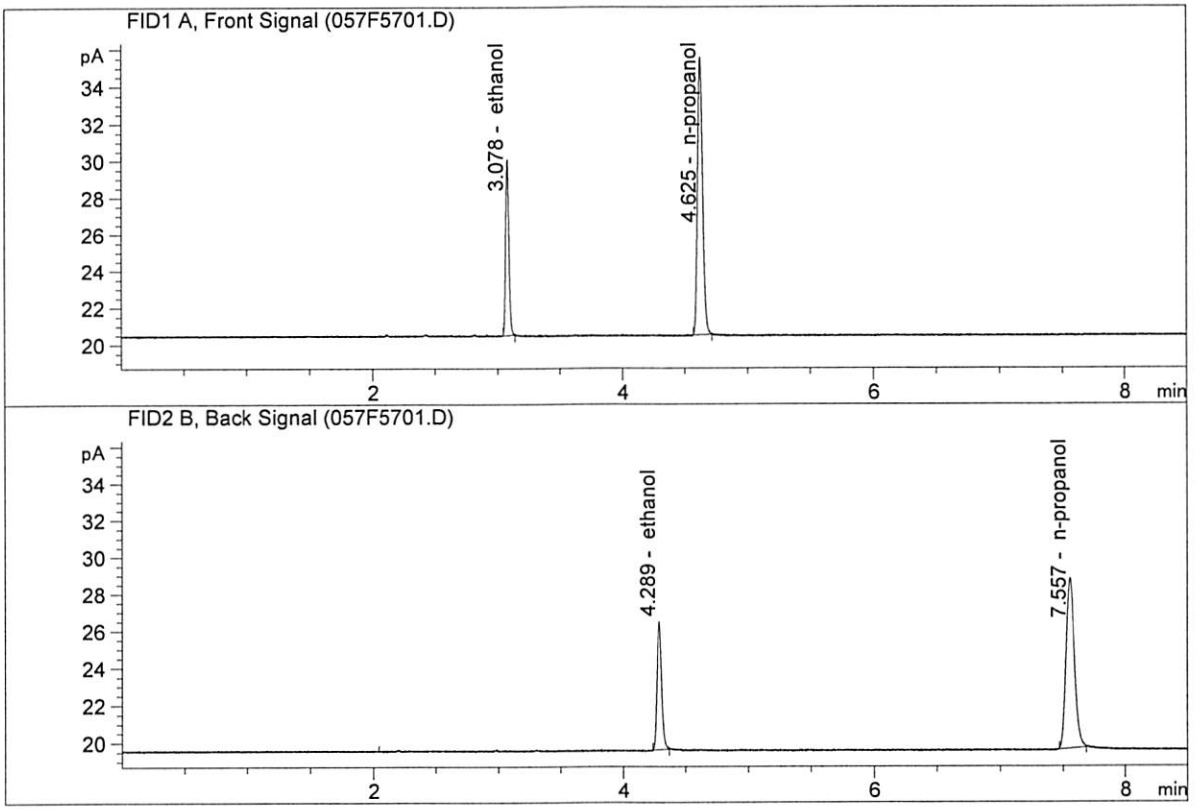
Reported Result

0.199

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Feb 28, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

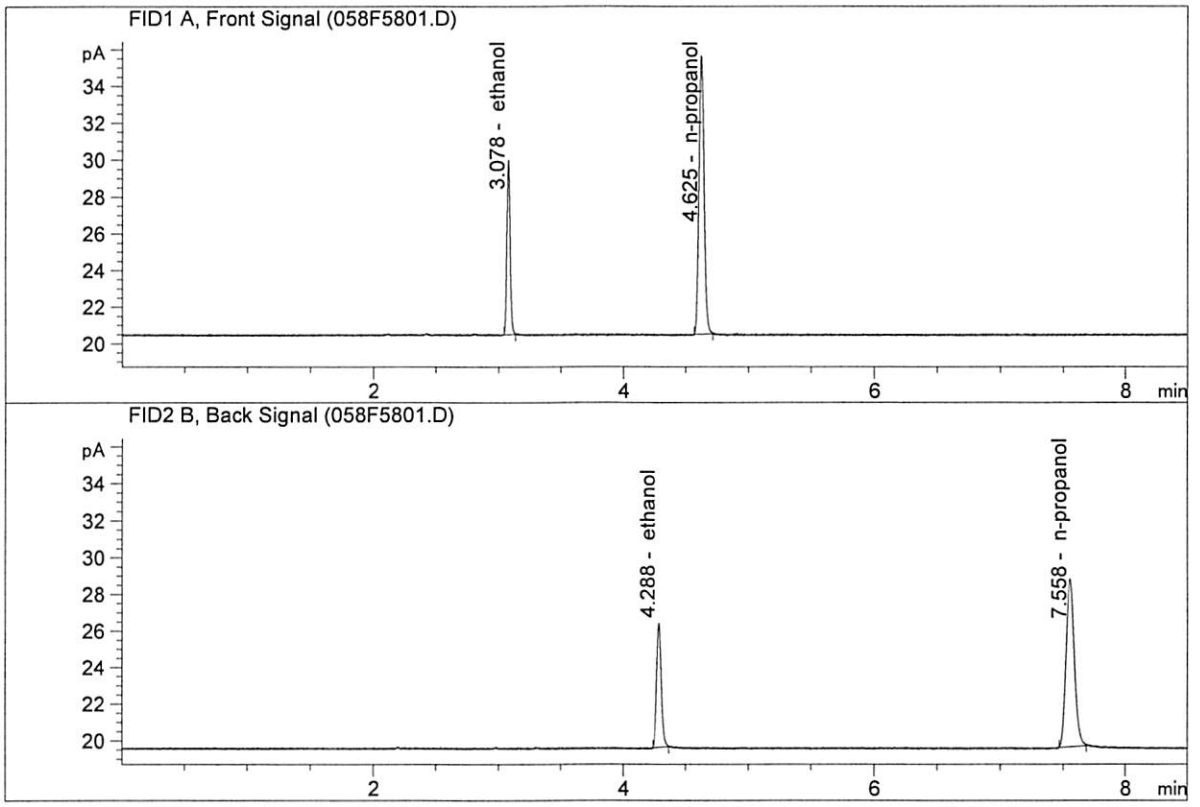


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.46664	0.2007	g/100cc
2.	Ethanol	Column 2:	18.21197	0.2010	g/100cc
3.	n-Propanol	Column 1:	42.75624	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.62701	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

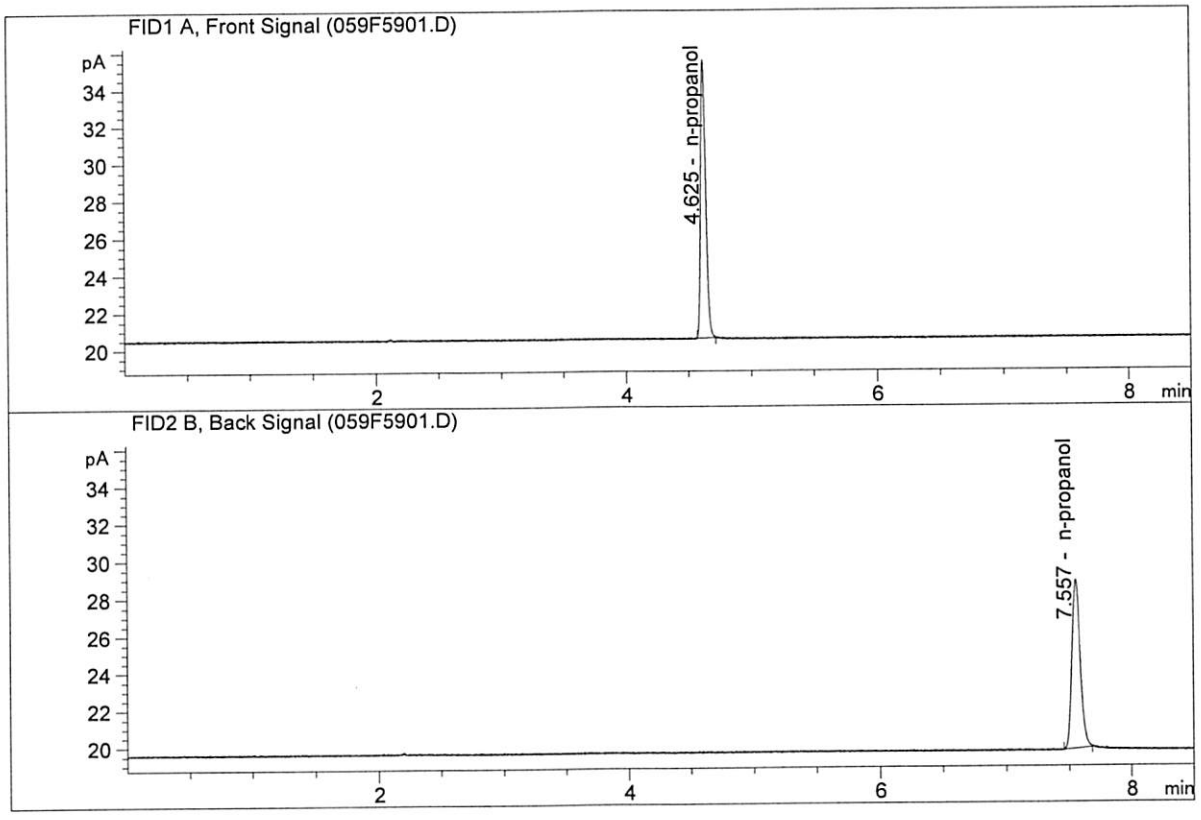
Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Feb 28, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.37442	0.1986	g/100cc
2.	Ethanol	Column 2:	18.03467	0.1983	g/100cc
3.	n-Propanol	Column 1:	42.97581	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.81340	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Feb 28, 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:	42.44595	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.48277	1.0000	g/100cc

Sequence File C:\Chem32\...0_SAMPLES\02-27-20_SAMPLES 2020-02-27 16-37-47\02-27-20_SAMPLES.S

Sample Summary

Sequence table: C:\Chem32\1\Data\02-27-20_SAMPLES\02-27-20_SAMPLES 2020-02-27 16-37-47\02-27-20_SAMPLES.S

Data directory path: C:\Chem32\1\Data\02-27-20_SAMPLES\02-27-20_SAMPLES 2020-02-27 16-37-47\

Logbook: C:\Chem32\1\Data\02-27-20_SAMPLES\02-27-20_SAMPLES 2020-02-27 16-37-47\02-27-20_SAMPLES.LOG

Sequence start: 2/27/2020 4:52:36 PM

Sequence Operator: SYSTEM

Operator: SYSTEM

Method file name: C:\Chem32\1\Data\02-27-20_SAMPLES\02-27-20_SAMPLES 2020-02-27 16-37-47\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	M2020-0662-2-A	-	1.0000	007F0701.D		2
8	8	1	M2020-0662-2-B	-	1.0000	008F0801.D		2
9	9	1	M2020-0671-1-A	-	1.0000	009F0901.D		4
10	10	1	M2020-0671-1-B	-	1.0000	010F1001.D		4
11	11	1	M2020-0672-1-A	-	1.0000	011F1101.D		4
12	12	1	M2020-0672-1-B	-	1.0000	012F1201.D		4
13	13	1	M2020-0685-1-A	-	1.0000	013F1301.D		4
14	14	1	M2020-0685-1-B	-	1.0000	014F1401.D		4
15	15	1	M2020-0690-1-A	-	1.0000	015F1501.D		4
16	16	1	M2020-0690-1-B	-	1.0000	016F1601.D		4
17	17	1	M2020-0701-1-A	-	1.0000	017F1701.D		4
18	18	1	M2020-0701-1-B	-	1.0000	018F1801.D		4
19	19	1	M2020-0706-1-A	-	1.0000	019F1901.D		4
20	20	1	M2020-0706-1-B	-	1.0000	020F2001.D		4
21	21	1	M2020-0706-2-A	-	1.0000	021F2101.D		4
22	22	1	M2020-0706-2-B	-	1.0000	022F2201.D		4
23	23	1	M2020-0706-3-A	-	1.0000	023F2301.D		4
24	24	1	M2020-0706-3-B	-	1.0000	024F2401.D		4
25	25	1	QC2-1-A	-	1.0000	025F2501.D		4
26	26	1	QC2-1-B	-	1.0000	026F2601.D		4
27	27	1	M2020-0706-4-A	-	1.0000	027F2701.D		4
28	28	1	M2020-0706-4-B	-	1.0000	028F2801.D		4
29	29	1	M2020-0713-1-A	-	1.0000	029F2901.D		4
30	30	1	M2020-0713-1-B	-	1.0000	030F3001.D		4
31	31	1	M2020-0721-1-A	-	1.0000	031F3101.D		4
32	32	1	M2020-0721-1-B	-	1.0000	032F3201.D		4
33	33	1	M2020-0722-1-A	-	1.0000	033F3301.D		2
34	34	1	M2020-0722-1-B	-	1.0000	034F3401.D		2
35	35	1	M2020-0741-2-A	-	1.0000	035F3501.D		4
36	36	1	M2020-0741-2-B	-	1.0000	036F3601.D		4
37	37	1	M2020-0749-1-A	-	1.0000	037F3701.D		4
38	38	1	M2020-0749-1-B	-	1.0000	038F3801.D		4
39	39	1	M2020-0750-1-A	-	1.0000	039F3901.D		6
40	40	1	M2020-0750-1-B	-	1.0000	040F4001.D		6
41	41	1	M2020-0751-1-A	-	1.0000	041F4101.D		4
42	42	1	M2020-0751-1-B	-	1.0000	042F4201.D		4
43	43	1	M2020-0752-1-A	-	1.0000	043F4301.D		4

Sequence File C:\Chem32\...0_SAMPLES\02-27-20_SAMPLES 2020-02-27 16-37-47\02-27-20_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	M2020-0752-1-B	-	1.0000	044F4401.D	4
45	45	1	M2020-0764-1-A	-	1.0000	045F4501.D	4
46	46	1	M2020-0764-1-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	M2020-0806-1-A	-	1.0000	049F4901.D	4
50	50	1	M2020-0806-1-B	-	1.0000	050F5001.D	4
51	51	1	M2020-0807-1-A	-	1.0000	051F5101.D	4
52	52	1	M2020-0807-1-B	-	1.0000	052F5201.D	4
53	53	1	M2020-0820-1-A	-	1.0000	053F5301.D	4
54	54	1	M2020-0820-1-B	-	1.0000	054F5401.D	4
55	55	1	M2020-0825-1-A	-	1.0000	055F5501.D	4
56	56	1	M2020-0825-1-B	-	1.0000	056F5601.D	4
57	57	1	QC2-2-A	-	1.0000	057F5701.D	4
58	58	1	QC2-2-B	-	1.0000	058F5801.D	4
59	59	1	INTERNAL STD BLK	-	1.0000	059F5901.D	2

NB 2/28/20

Method file name: C:\Chem32\1\Data\02-27-20_SAMPLES\02-27-20_SAMPLES 2020-02-27 16-37-47\SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
60	60	1	EMPTY	-	1.0000	060F6001.D	0

Double checked vial #52 is M2020-0807-1-B

NB 2/28/20

NB