REVIEWED
By Melissa (Nikka) Bradley at 8:52 am, Dec 09, 2020

NB

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): 12/07/2020**

Calibration Date: 12/02/2020

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0711 g/100cc
					0.0729 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2017 g/100cc
					0.2022 g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN07101701	OK
Curve Fit:	**Column 1**	1.00000	**Column2**	0.99995

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0506	0.0520	0.0014	0.0513
100	0.100	0.090 - 0.110	0.0996	0.0999	0.0003	0.0997
200	0.200	0.180 - 0.220	0.1999	0.1985	0.0014	0.1992
300	0.300	0.270 - 0.330	0.2996	0.2980	0.0016	0.2988
400	0.400	0.360 - 0.440				
500	0.500	0.450 - 0.550	0.5003	0.5016	0.0013	0.5009

Aqueous Controls

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

Worklist: 4658

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-4709	2	BCK	Alcohol Analysis
M2020-4846	1	BCK	Alcohol Analysis
M2020-4849	1	BCK	Alcohol Analysis
M2020-4855	1	BCK	Alcohol Analysis
M2020-4869	1	BCK	Alcohol Analysis
M2020-4870	1	BCK	Alcohol Analysis
M2020-4871	1	BCK	Alcohol Analysis
M2020-4872	1	BCK	Alcohol Analysis
M2020-4873	1	BCK	Alcohol Analysis
M2020-4874	1	BCK	Alcohol Analysis
M2020-4894	1	BCK	Alcohol Analysis
M2020-4902	2	BCK	Alcohol Analysis
M2020-4903	1	BCK	Alcohol Analysis
M2020-4919	1	BCK	Alcohol Analysis
M2020-4920	1	BCK	Alcohol Analysis
M2020-4921	1	BCK	Alcohol Analysis
M2020-4929	1	BCK	Alcohol Analysis
P2020-3464	4	BCK	Alcohol Analysis
P2020-3464	5	BCK	Alcohol Analysis
P2020-3464	6	BCK	Alcohol Analysis

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, December 02, 2020 3:11:40 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	4.34498	1.15075e-2	No	No	1	ethanol
		2	1.00000e-1	8.86899	1.12752e-2				
		3	2.00000e-1	18.02731	1.10943e-2				
		4	3.00000e-1	27.31837	1.09816e-2				
		5	5.00000e-1	45.26560	1.10459e-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	4.44127	1.12580e-2	No	No	2	ethanol
		2	1.00000e-1	9.12597	1.09577e-2				
		3	2.00000e-1	18.69092	1.07004e-2				
		4	3.00000e-1	28.49630	1.05277e-2				
		5	5.00000e-1	47.64911	1.04934e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	45.54263	2.19574e-2	No	Yes	1	n-propanol
		2	1.00000	46.71490	2.14064e-2				
		3	1.00000	47.07896	2.12409e-2				
		4	1.00000	47.51825	2.10445e-2				
		5	1.00000	47.08937	2.12362e-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	47.32882	2.11288e-2	No	Yes	2	n-propanol
		2	1.00000	48.20191	2.07461e-2				
		3	1.00000	48.41974	2.06527e-2				
		4	1.00000	48.74254	2.05160e-2				
		5	1.00000	48.09188	2.07935e-2				

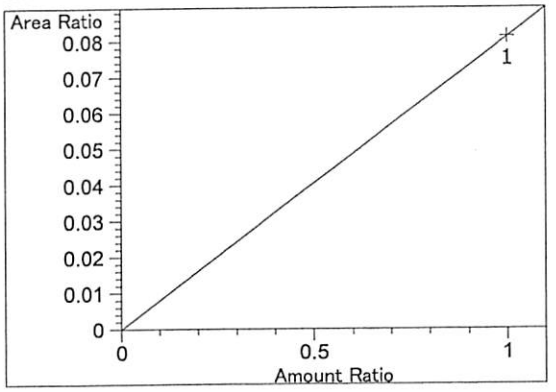
Peak Sum Table

No Entries in table

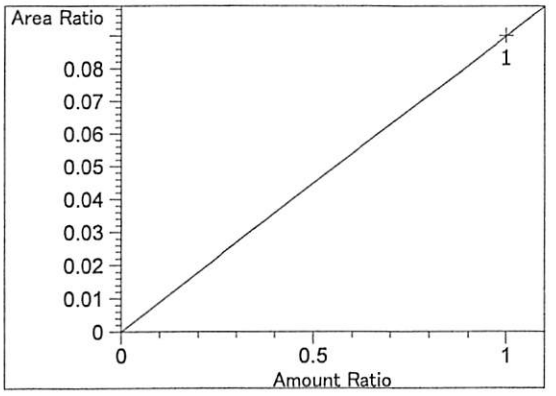
1 Warnings or Errors :

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

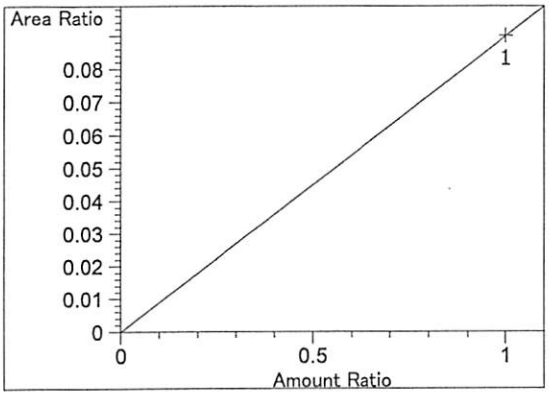
Calibration Curves



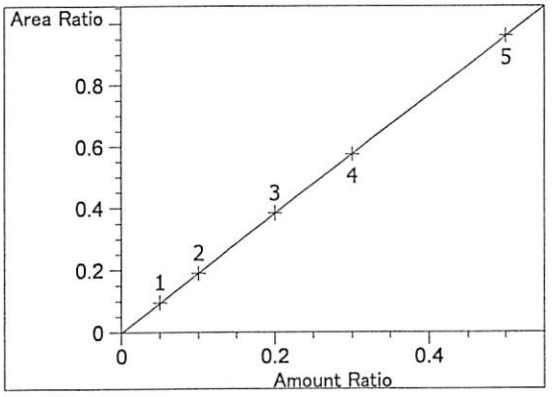
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.11700e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



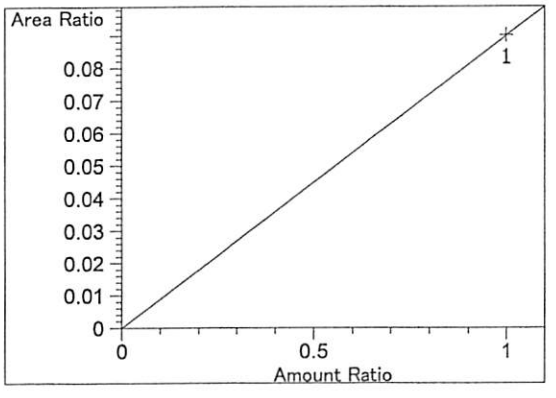
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.00297e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



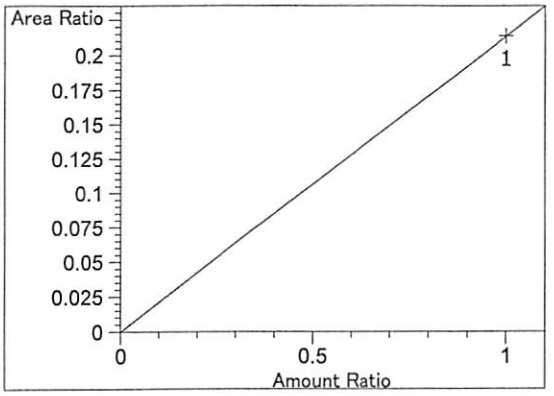
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.00297e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



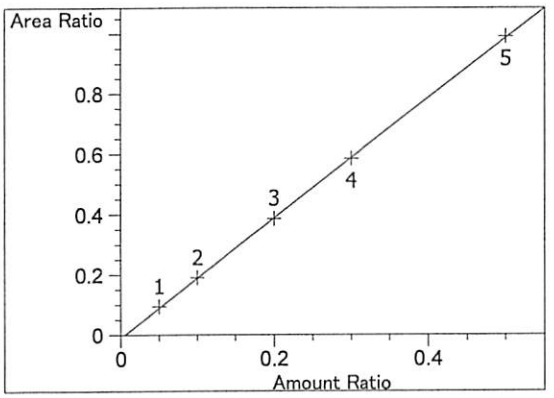
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00093
Formula: y = mx + b
m: 1.92535
b: -1.96102e-3
x: Amount Ratio
y: Area Ratio



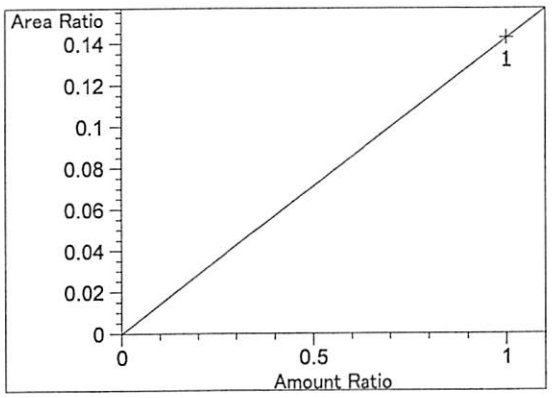
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.00218e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



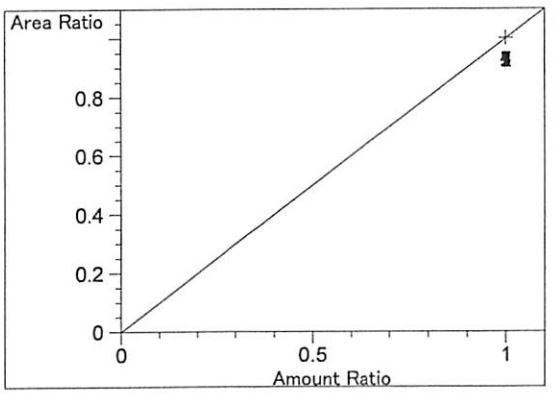
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.13658e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



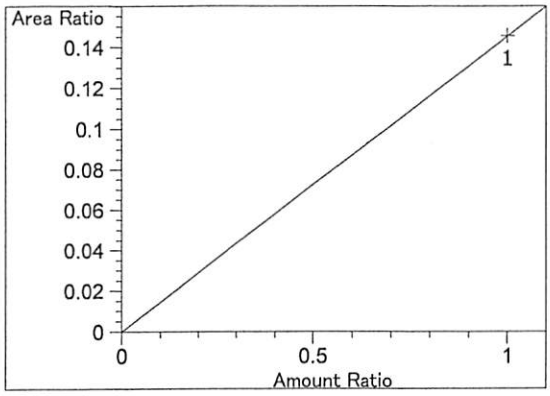
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99995
Residual Std. Dev.: 0.00414
Formula: y = mx + b
m: 1.99495
b: -9.91785e-3
x: Amount Ratio
y: Area Ratio



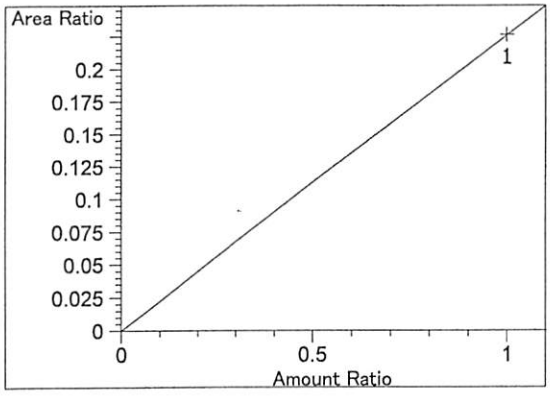
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.42710e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



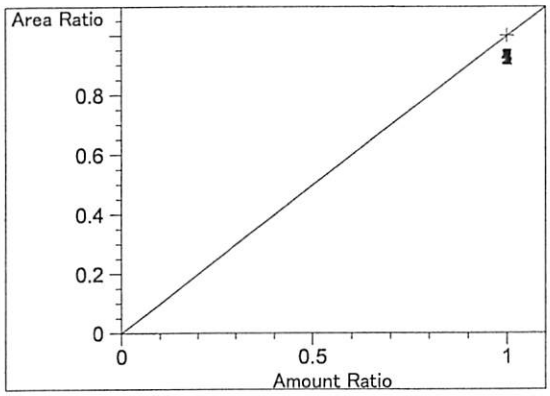
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.45641e-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: 2.26213e-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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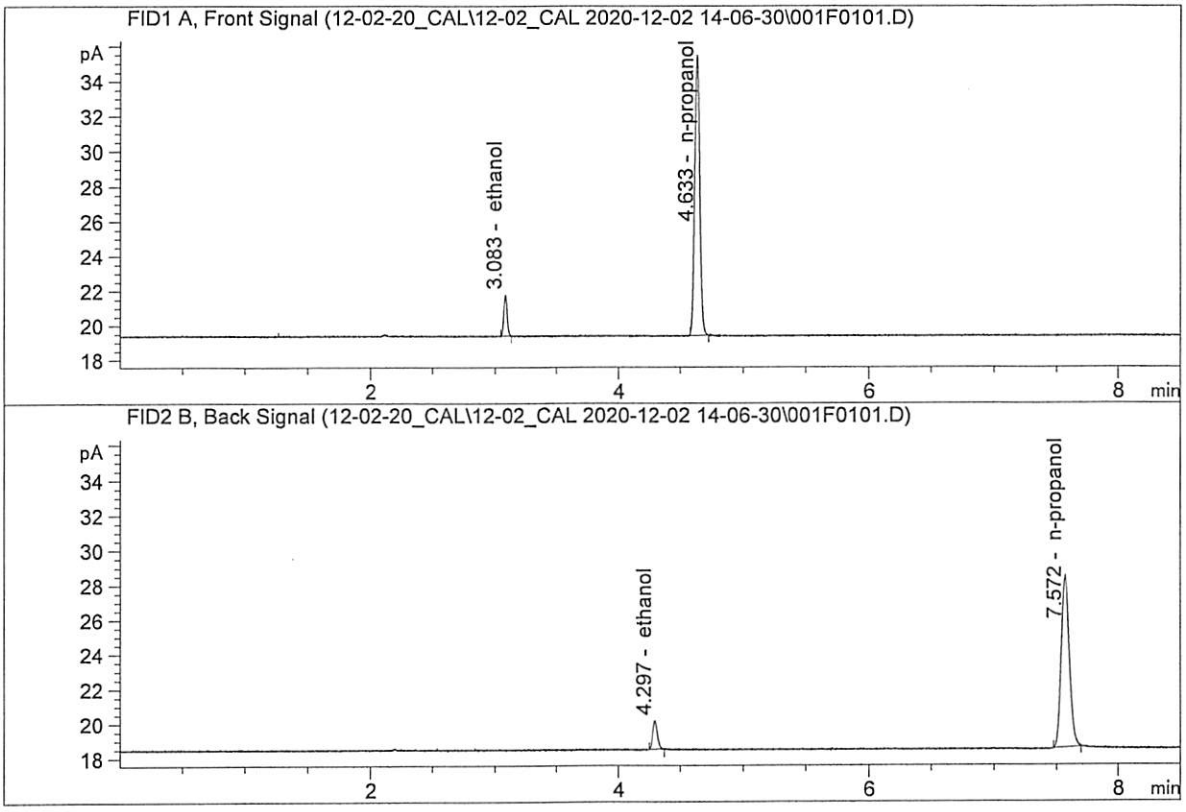
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Dec 2, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

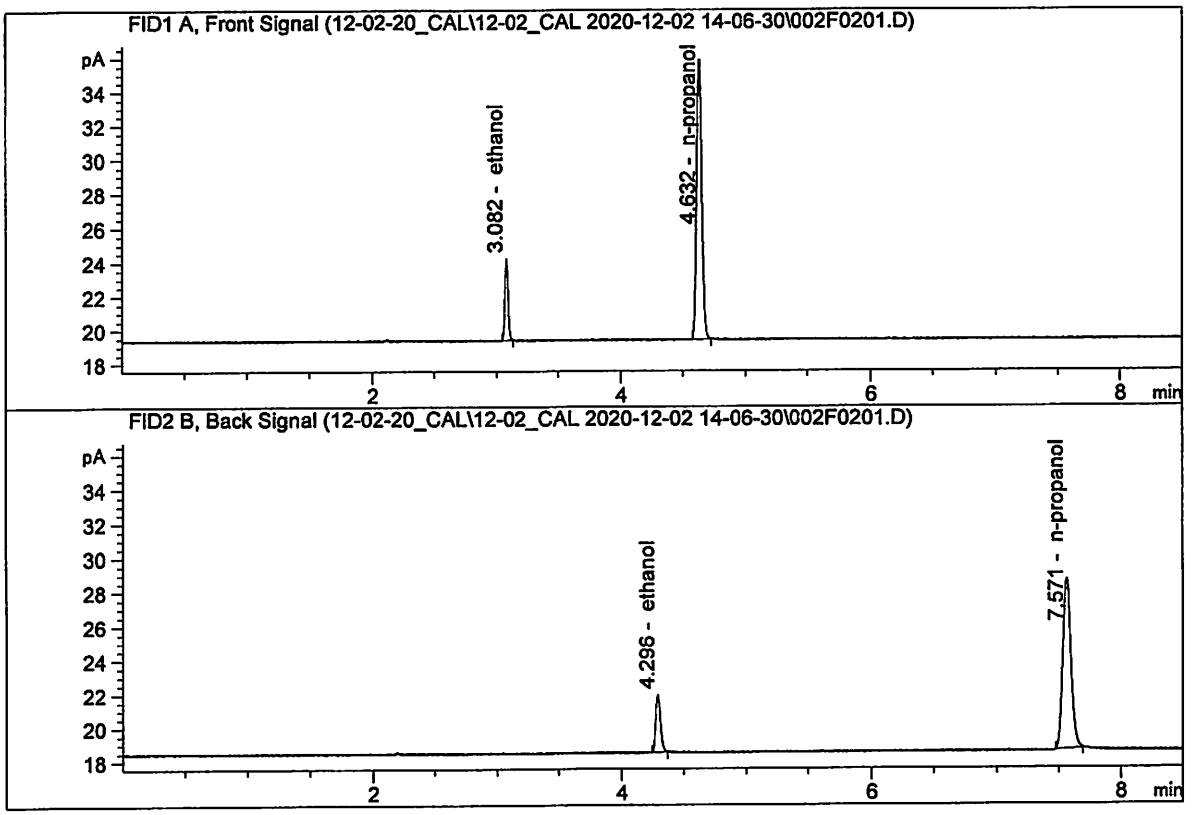


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.34498	0.0506	g/100cc
2.	Ethanol	Column 2:	4.44127	0.0520	g/100cc
3.	n-Propanol	Column 1:	45.54263	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.32882	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

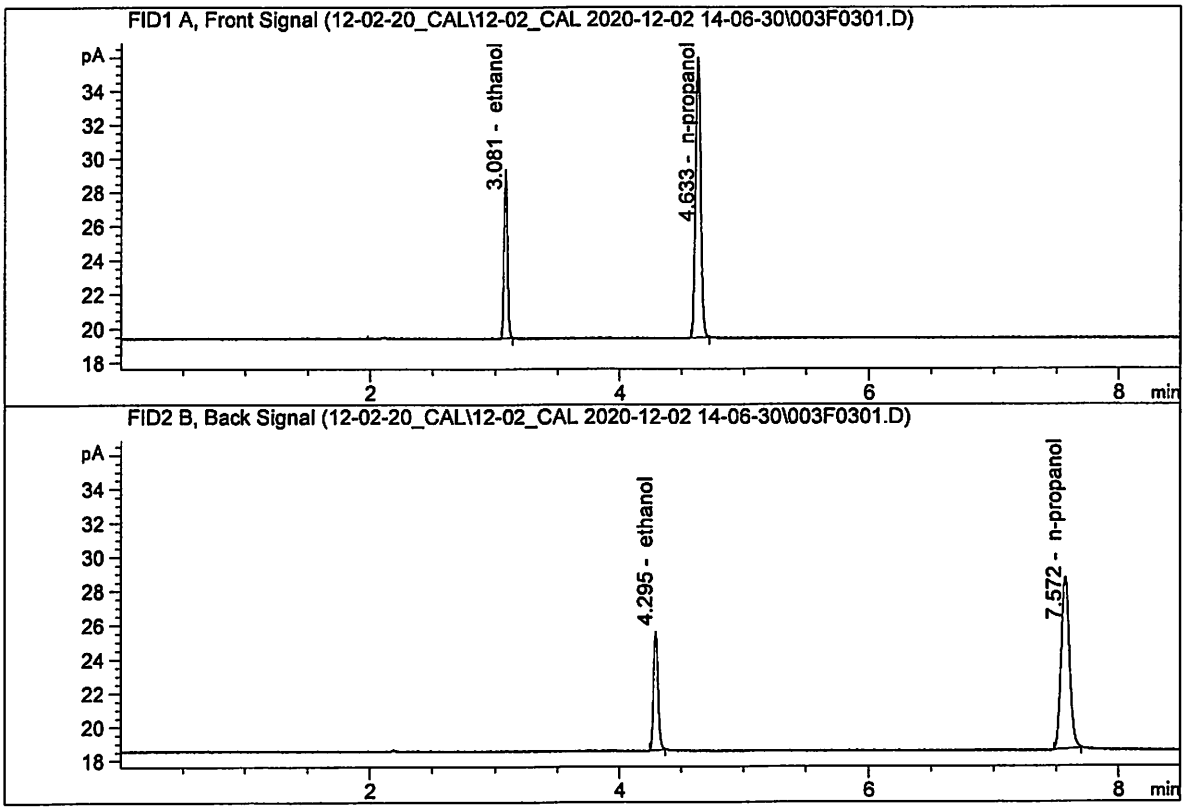
Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Dec 2, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.86899	0.0996	g/100cc
2.	Ethanol	Column 2:	9.12597	0.0999	g/100cc
3.	n-Propanol	Column 1:	46.71490	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.20191	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Dec 2, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

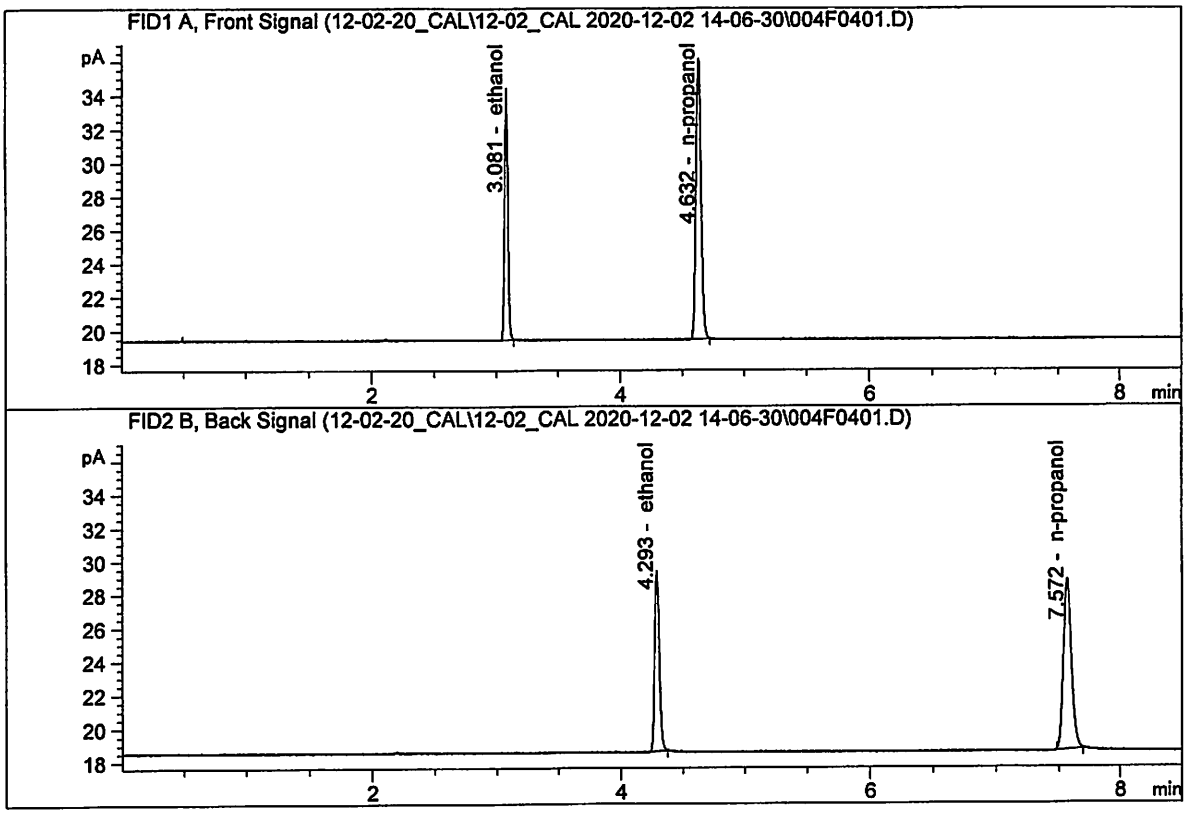


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.02731	0.1999	g/100cc
2.	Ethanol	Column 2:	18.69092	0.1985	g/100cc
3.	n-Propanol	Column 1:	47.07896	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.41974	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

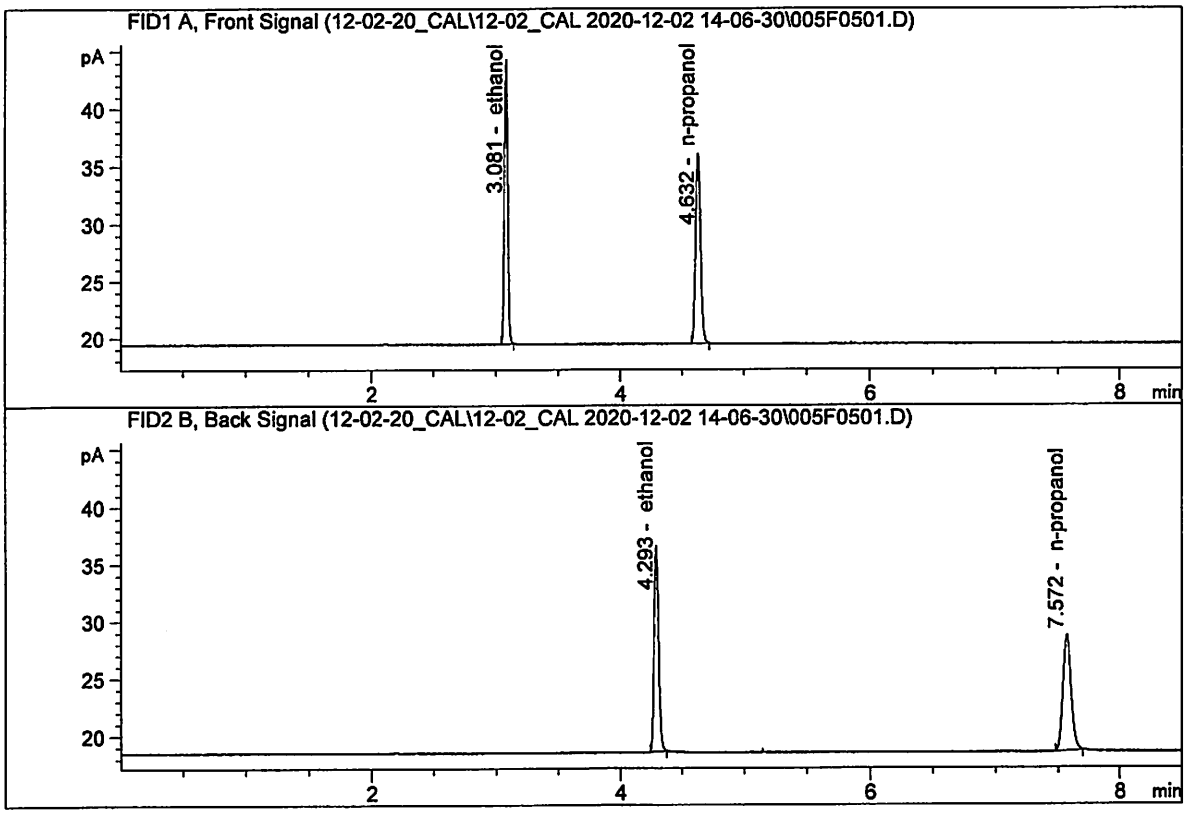
Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Dec 2, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.31837	0.2996	g/100cc
2.	Ethanol	Column 2:	28.49630	0.2980	g/100cc
3.	n-Propanol	Column 1:	47.51825	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.74254	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

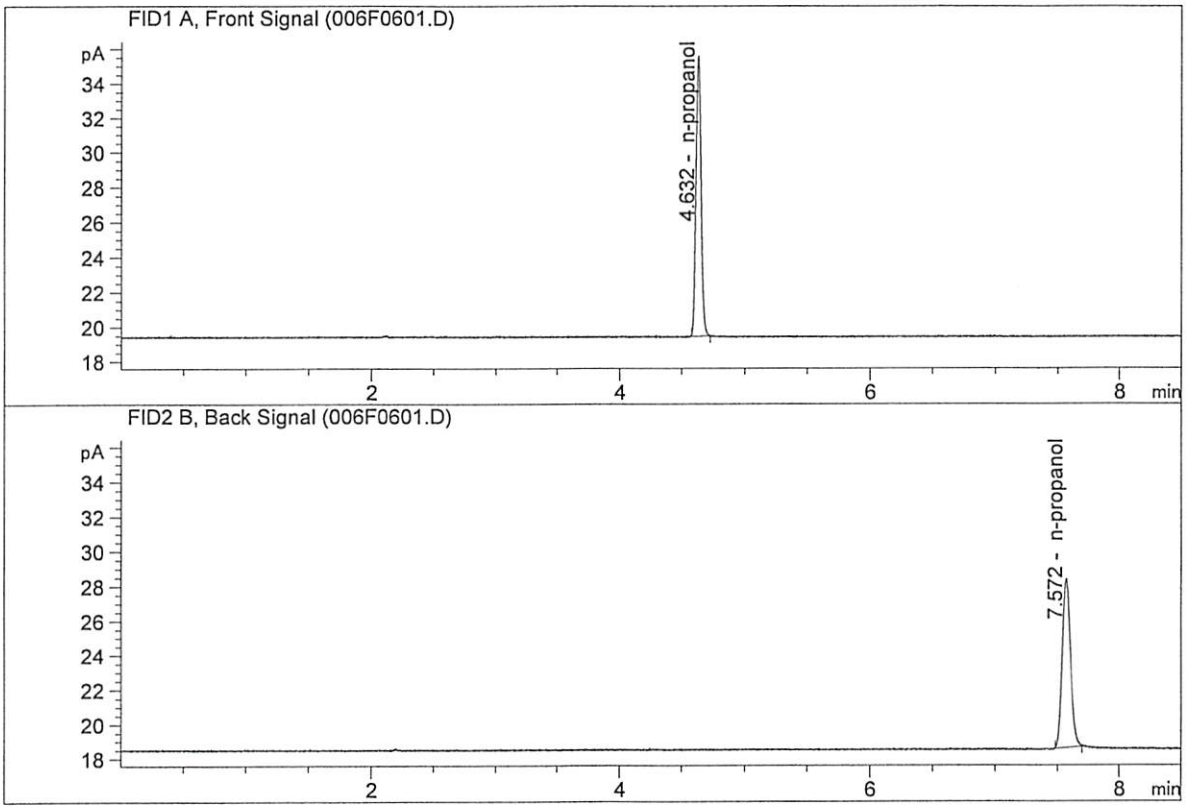
Sample Name : 0.500 FN08241801
Laboratory : Meridian
Injection Date : Dec 2, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.26560	0.5003	g/100cc
2.	Ethanol	Column 2:	47.64911	0.5016	g/100cc
3.	n-Propanol	Column 1:	47.08937	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.09188	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Dec 2, 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:	45.91302	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.77240	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\12-02-20_CAL\12-02_CAL 2020-12-02 14-06-30\12-02_CAL.S

Sample Summary

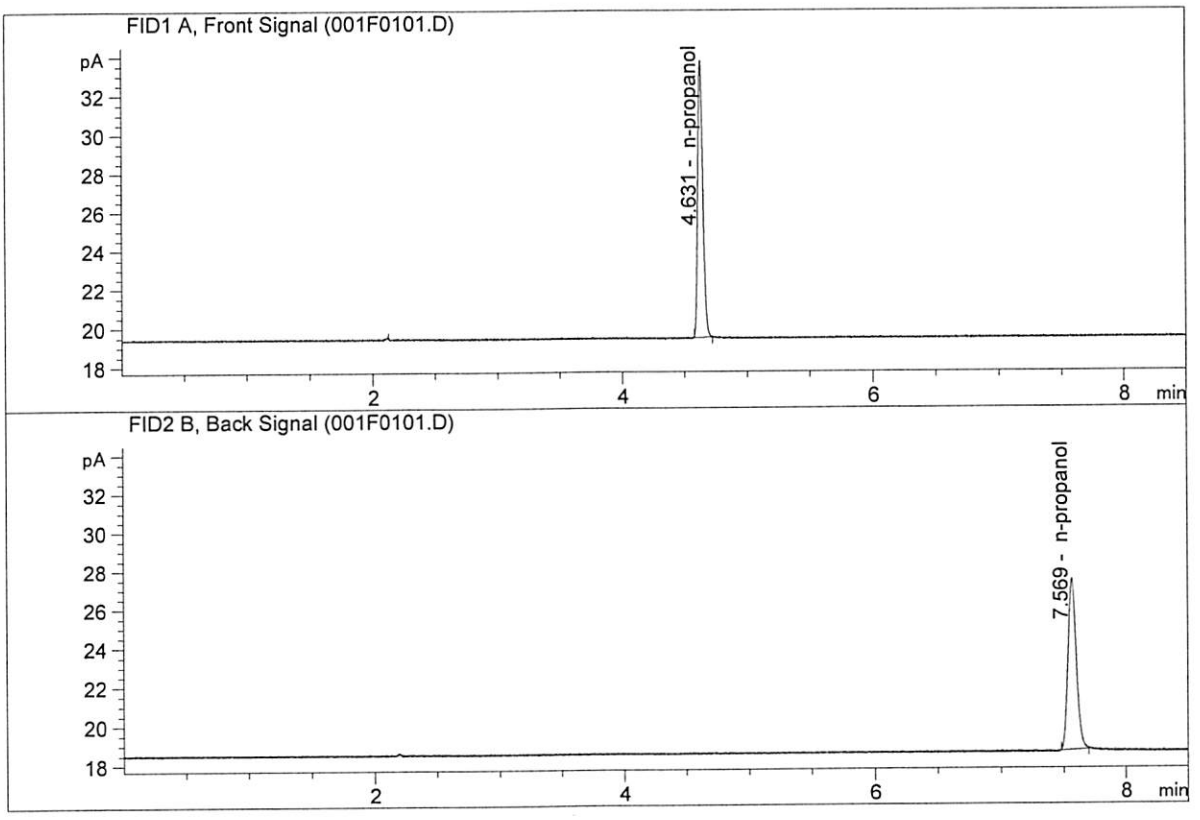
Sequence table: C:\Chem32\1\Data\12-02-20_CAL\12-02_CAL 2020-12-02 14-06-30\12-02_CAL.S
Data directory path: C:\Chem32\1\Data\12-02-20_CAL\12-02_CAL 2020-12-02 14-06-30\
Logbook: C:\Chem32\1\Data\12-02-20_CAL\12-02_CAL 2020-12-02 14-06-30\12-02_CAL.LOG
Sequence start: 12/2/2020 2:21:07 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\12-02-20_CAL\12-02_CAL 2020-12-02 14-06-30\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 FN08241801	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

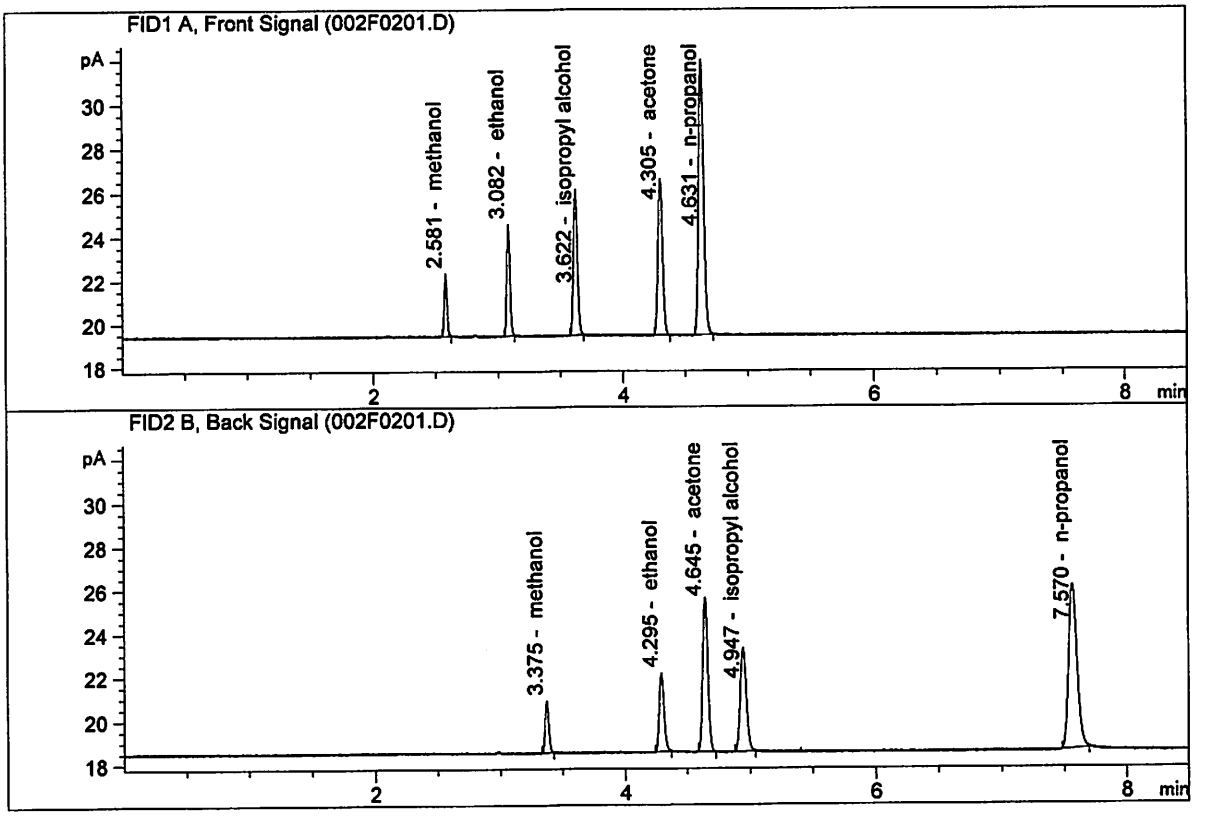
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Dec 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	40.62811	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.19521	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN007101701
Laboratory : Meridian
Injection Date : Dec 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.17047	0.1356	g/100cc
2.	Ethanol	Column 2:	9.54260	0.1374	g/100cc
3.	n-Propanol	Column 1:	35.40429	1.0000	g/100cc
4.	n-Propanol	Column 2:	36.12969	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0707	0.0713	0.0006	0.0710	0.0002	0.0711
(g/100cc)	0.0709	0.0716	0.0007	0.0712		

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%**

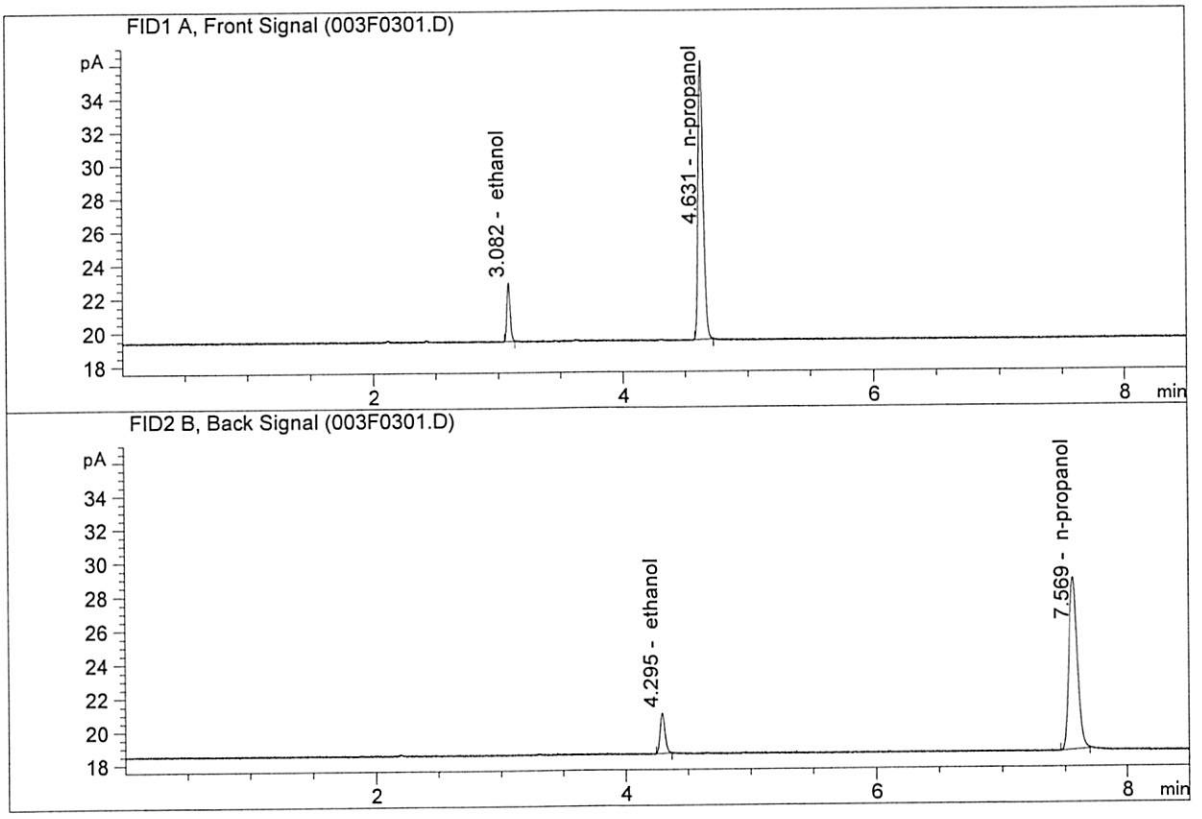
Overall Mean (g/100cc)	Low	High	5% of Mean
0.071	0.067	0.075	0.004

	Reported Result	
	0.071	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

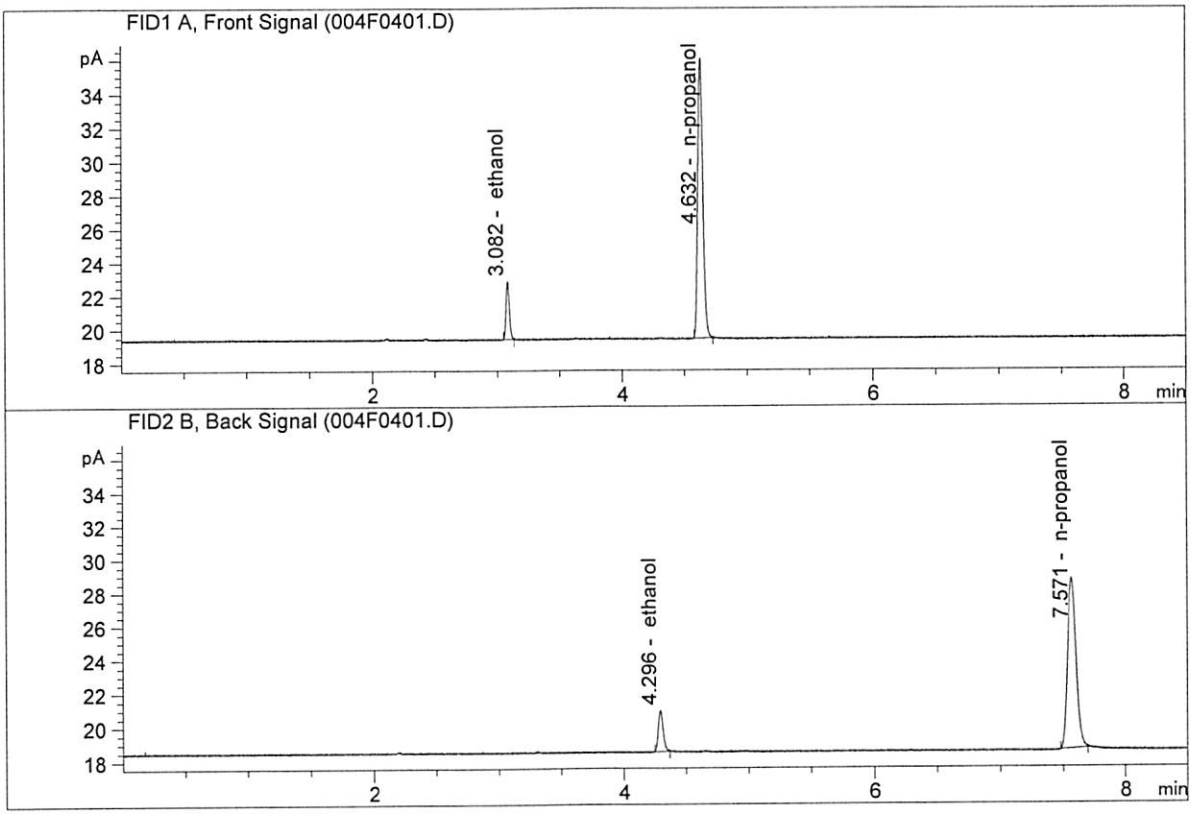
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Dec 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.37358	0.0707	g/100cc
2.	Ethanol	Column 2:	6.51067	0.0713	g/100cc
3.	n-Propanol	Column 1:	47.53637	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.23612	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.36507	0.0709	g/100cc
2.	Ethanol	Column 2:	6.45751	0.0716	g/100cc
3.	n-Propanol	Column 1:	47.30500	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.57864	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 07 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0801	0.0811	0.0010	0.0806	0.0006	0.0803
(g/100cc)	0.0797	0.0804	0.0007	0.0800		

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%**

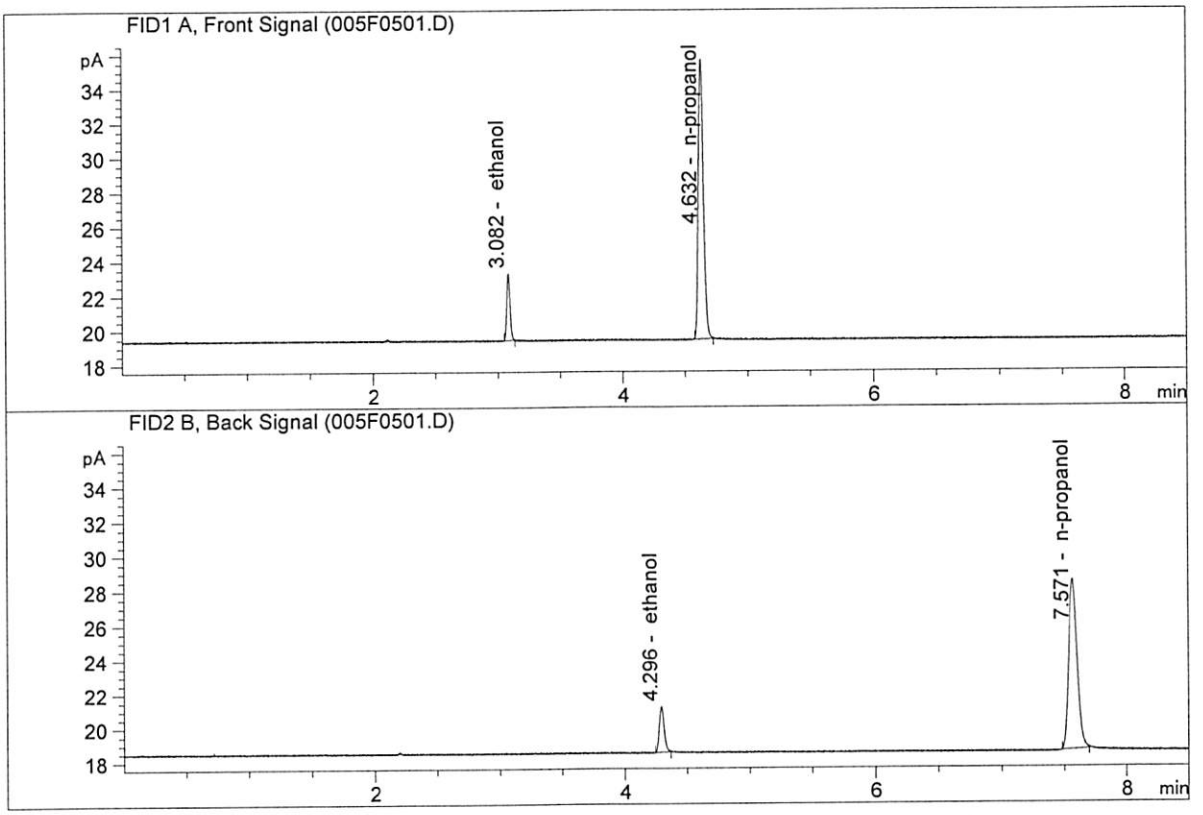
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

Reported Result
0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

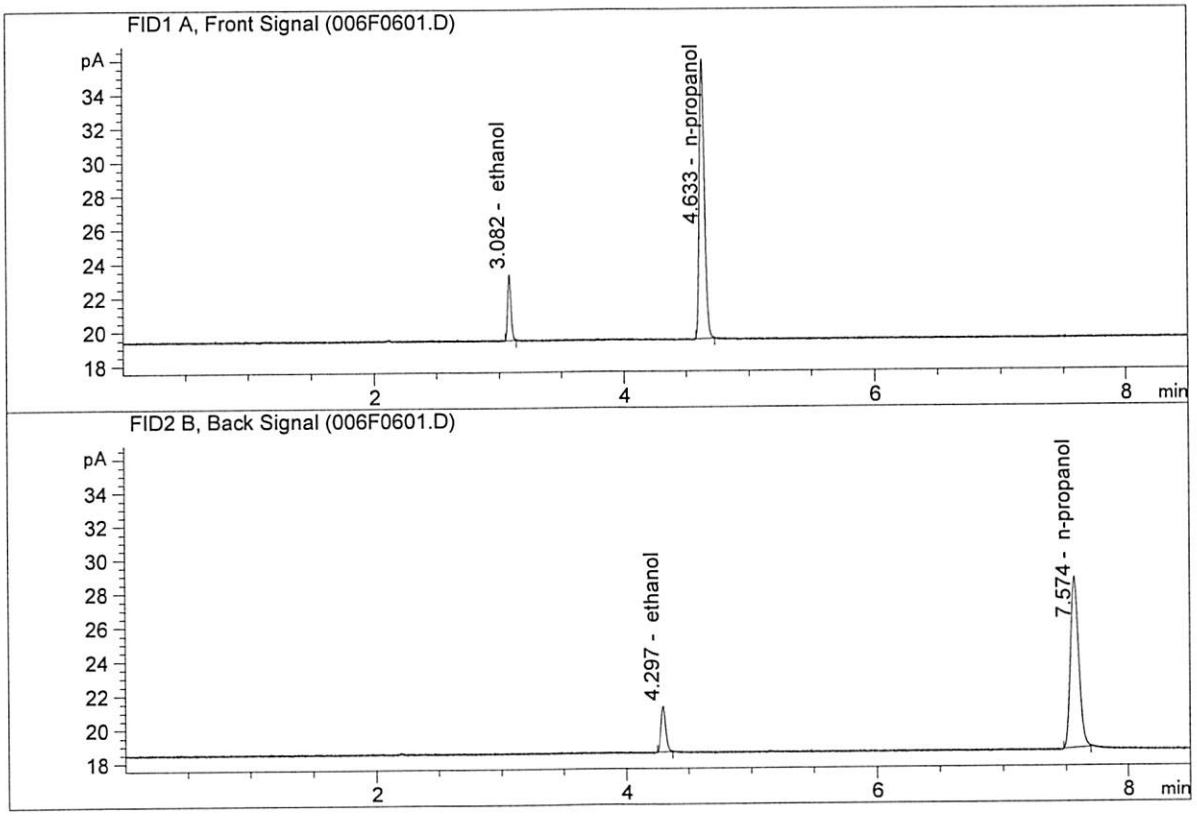
Sample Name : 0.08 FN09181807-A
Laboratory : Meridian
Injection Date : Dec 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.02308	0.0801	g/100cc
2.	Ethanol	Column 2:	7.17760	0.0811	g/100cc
3.	n-Propanol	Column 1:	46.10618	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.25891	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Meridian
Injection Date : Dec 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.11883	0.0797	g/100cc
2.	Ethanol	Column 2:	7.24476	0.0804	g/100cc
3.	n-Propanol	Column 1:	47.01283	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.16187	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2018	0.2034	0.0016	0.2026	0.0017	0.2017
(g/100cc)	0.2001	0.2017	0.0016	0.2009		

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
0.201	0.190	0.212	0.011

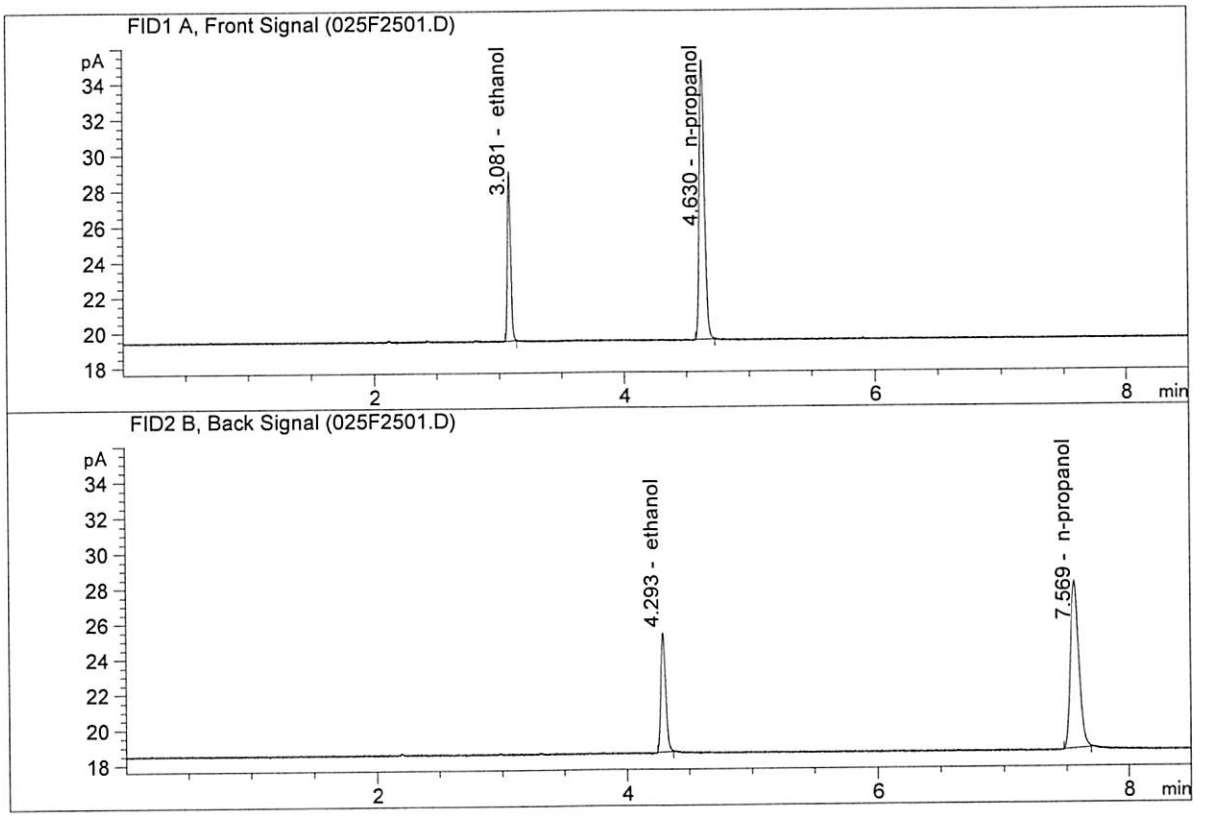
Reported Result

0.201

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

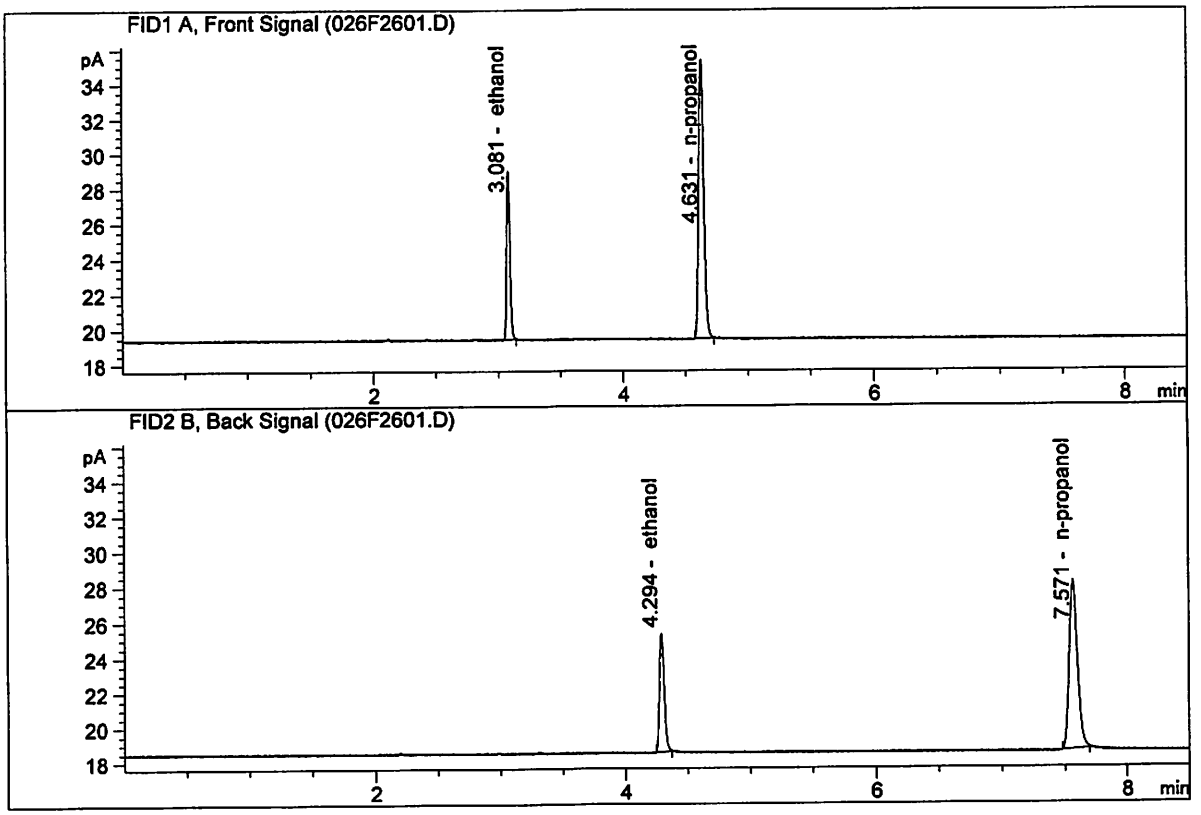
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Dec 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.37567	0.2018	g/100cc
2.	Ethanol	Column 2:	17.99016	0.2034	g/100cc
3.	n-Propanol	Column 1:	44.94169	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.44674	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.37252	0.2001	g/100cc
2.	Ethanol	Column 2:	17.99739	0.2017	g/100cc
3.	n-Propanol	Column 1:	45.32341	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.85385	1.0000	g/100cc

IV

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 07 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results (g/100cc)	0.0728	0.0741	0.0013	0.0734	0.0011	0.0729
	0.0717	0.0730	0.0013	0.0723		

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%**

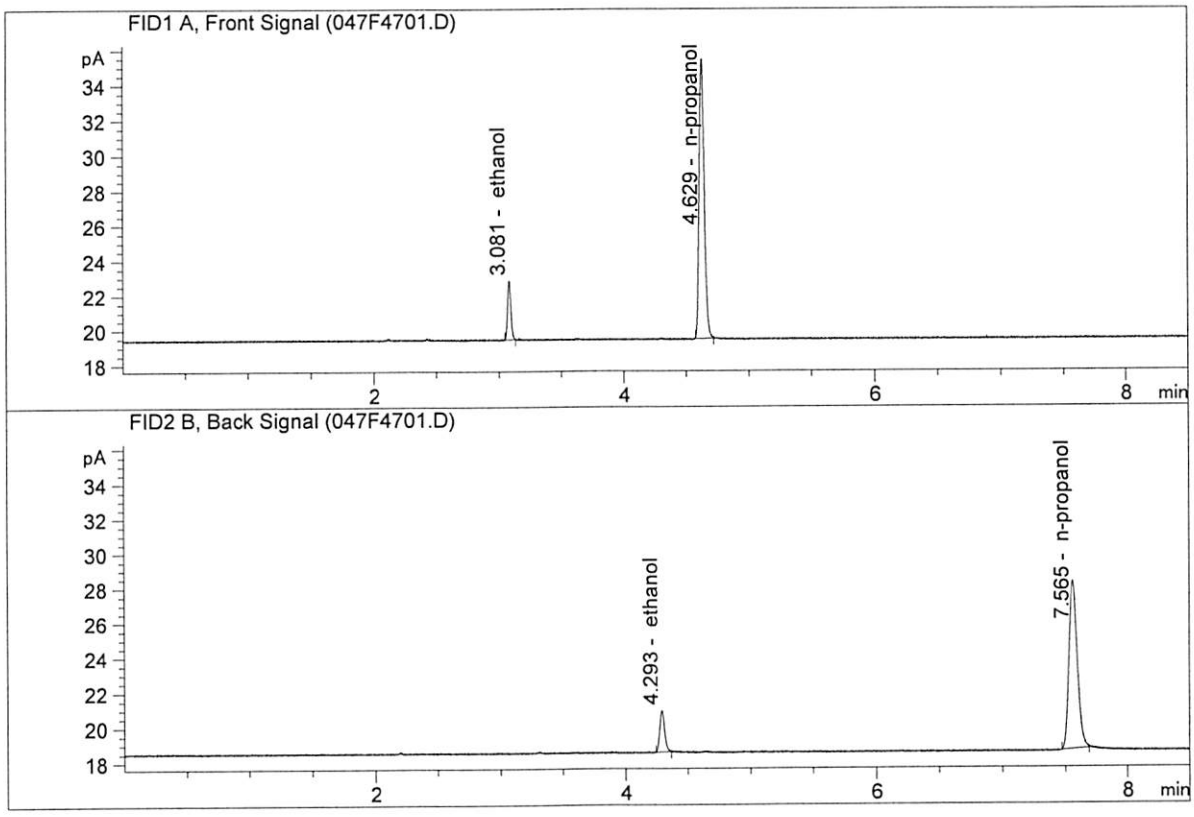
Overall Mean (g/100cc)	Low	High	5% of Mean
0.072	0.068	0.076	0.004

	Reported Result	
	0.072	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

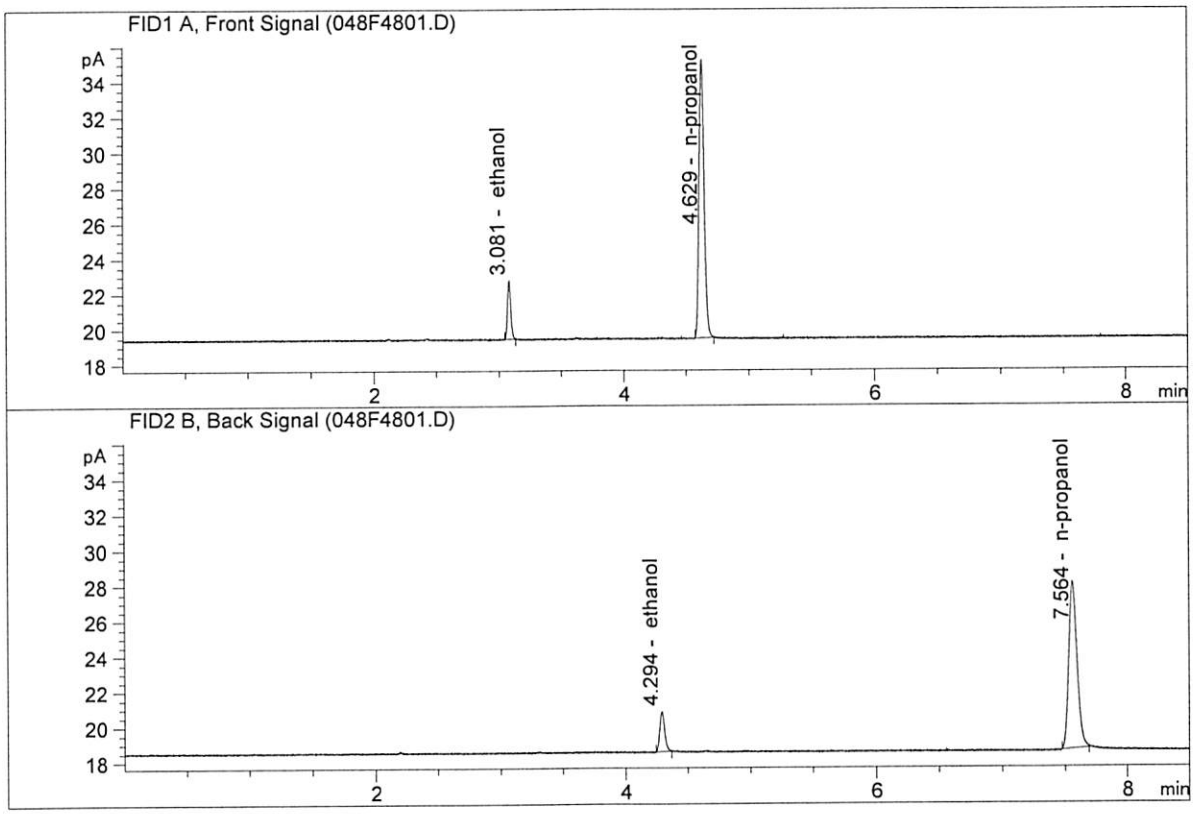
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Dec 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.27286	0.0728	g/100cc
2.	Ethanol	Column 2:	6.33674	0.0741	g/100cc
3.	n-Propanol	Column 1:	45.41263	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.91584	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Dec 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.11635	0.0717	g/100cc
2.	Ethanol	Column 2:	6.16248	0.0730	g/100cc
3.	n-Propanol	Column 1:	44.91390	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.40012	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 07 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results (g/100cc)	0.2011	0.2028	0.0017	0.2019	0.0007	0.2022
	0.2021	0.2031	0.0010	0.2026		

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%**

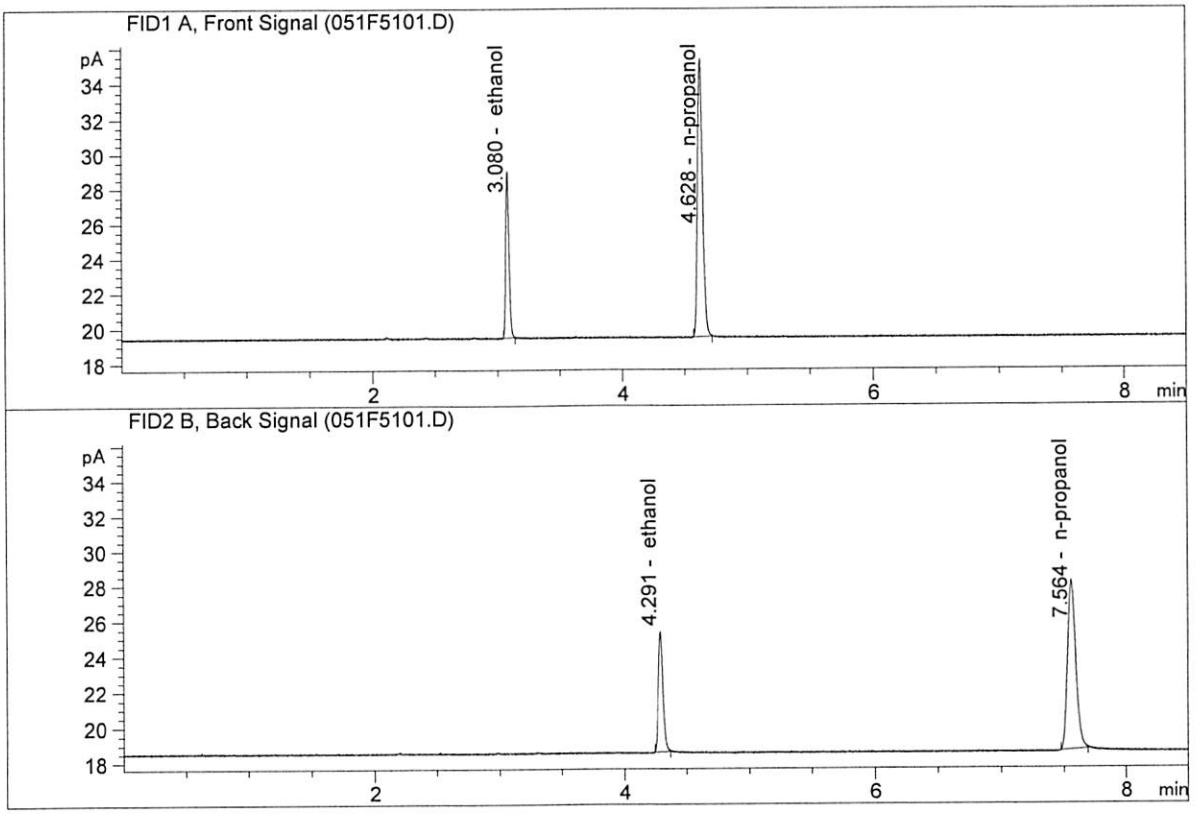
Overall Mean (g/100cc)	Low	High	5% of Mean
0.202	0.191	0.213	0.011

	Reported Result	
	0.202	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

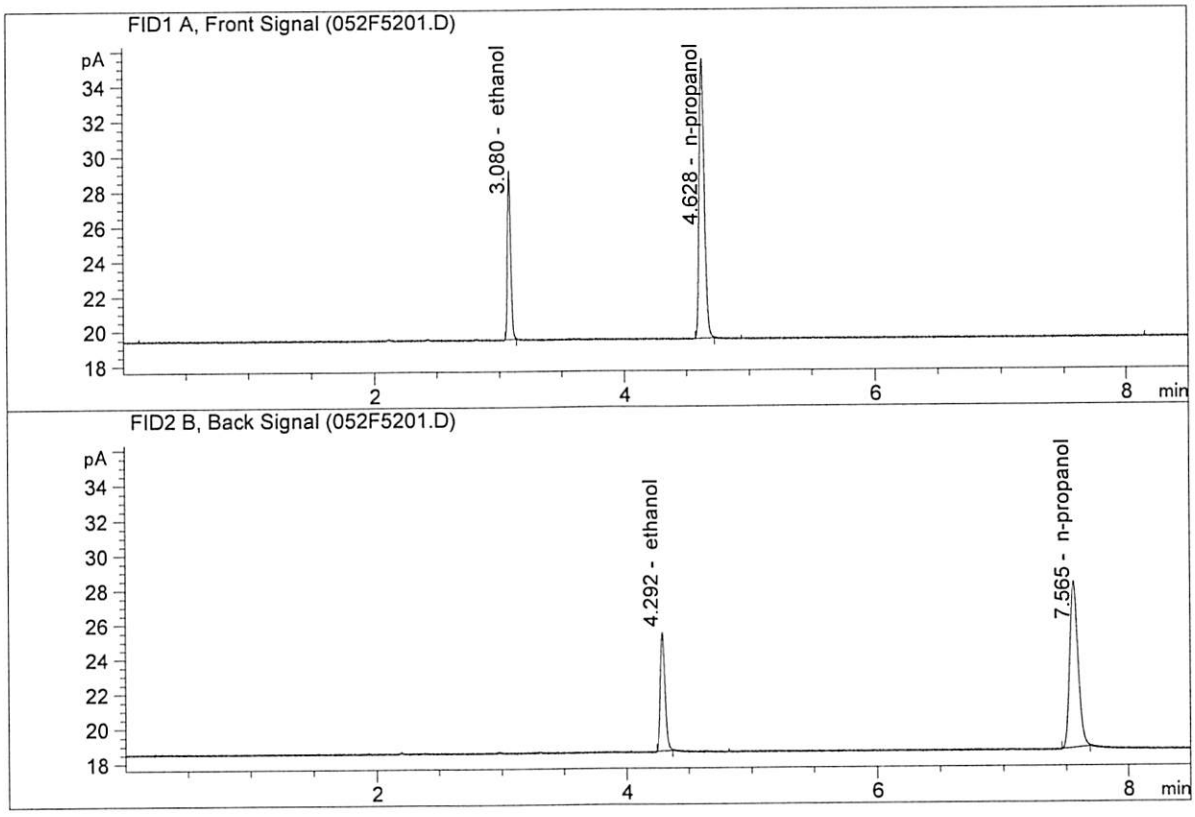
Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Dec 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.36187	0.2011	g/100cc
2.	Ethanol	Column 2:	17.93693	0.2028	g/100cc
3.	n-Propanol	Column 1:	45.05862	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.46048	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

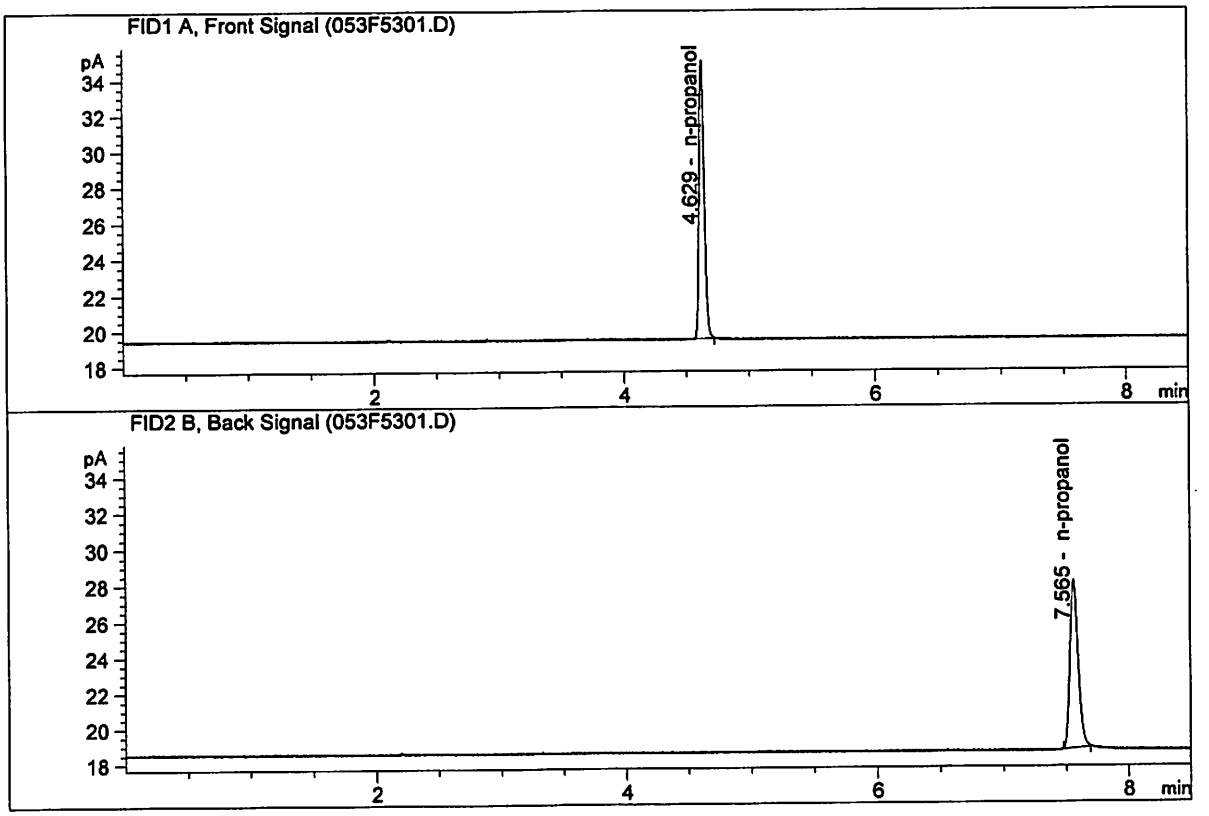
Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Dec 7, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.57569	0.2021	g/100cc
2.	Ethanol	Column 2:	18.14200	0.2031	g/100cc
3.	n-Propanol	Column 1:	45.39741	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.90020	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Dec 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:	44.18099	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.58944	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\Data\12-07-20_SAMPLES\12-07-20_SAMPLES 2020-12-07 11-22-41\12 07-20_SAMPLES.S
Data directory path: C:\Chem32\1\Data\12-07-20_SAMPLES\12-07-20_SAMPLES 2020-12-07 11-22-41\
Logbook: C:\Chem32\1\Data\12-07-20_SAMPLES\12-07-20_SAMPLES 2020-12-07 11-22-41\12 07-20_SAMPLES.LOG
Sequence start: 12/7/2020 11:37:24 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\12-07-20_SAMPLES\12-07-20_SAMPLES 2020-12-07 11-22-41 \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 FN007101	-	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 FN09181807-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN09181807-	-	1.0000	006F0601.D		4
7	7	1	M2020-4709-2-A	-	1.0000	007F0701.D		4
8	8	1	M2020-4709-2-B	-	1.0000	008F0801.D		4
9	9	1	M2020-4846-1-A	-	1.0000	009F0901.D		4
10	10	1	M2020-4846-1-B	-	1.0000	010F1001.D		4
11	11	1	M2020-4849-1-A	-	1.0000	011F1101.D		4
12	12	1	M2020-4849-1-B	-	1.0000	012F1201.D		4
13	13	1	M2020-4855-1-A	-	1.0000	013F1301.D		4
14	14	1	M2020-4855-1-B	-	1.0000	014F1401.D		4
15	15	1	M2020-4869-1-A	-	1.0000	015F1501.D		2
16	16	1	M2020-4869-1-B	-	1.0000	016F1601.D		2
17	17	1	M2020-4870-1-A	-	1.0000	017F1701.D		4
18	18	1	M2020-4870-1-B	-	1.0000	018F1801.D		4
19	19	1	M2020-4871-1-A	-	1.0000	019F1901.D		4
20	20	1	M2020-4871-1-B	-	1.0000	020F2001.D		4
21	21	1	M2020-4872-1-A	-	1.0000	021F2101.D		4
22	22	1	M2020-4872-1-B	-	1.0000	022F2201.D		4
23	23	1	M2020-4873-1-A	-	1.0000	023F2301.D		4
24	24	1	M2020-4873-1-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	M2020-4874-1-A	-	1.0000	027F2701.D		4
28	28	1	M2020-4874-1-B	-	1.0000	028F2801.D		4
29	29	1	M2020-4894-1-A	-	1.0000	029F2901.D		4
30	30	1	M2020-4894-1-B	-	1.0000	030F3001.D		4
31	31	1	M2020-4902-2-A	-	1.0000	031F3101.D		2
32	32	1	M2020-4902-2-B	-	1.0000	032F3201.D		2
33	33	1	M2020-4903-1-A	-	1.0000	033F3301.D		4
34	34	1	M2020-4903-1-B	-	1.0000	034F3401.D		4
35	35	1	M2020-4919-1-A	-	1.0000	035F3501.D		4
36	36	1	M2020-4919-1-B	-	1.0000	036F3601.D		4
37	37	1	M2020-4920-1-A	-	1.0000	037F3701.D		4
38	38	1	M2020-4920-1-B	-	1.0000	038F3801.D		4
39	39	1	M2020-4921-1-A	-	1.0000	039F3901.D		4
40	40	1	M2020-4921-1-B	-	1.0000	040F4001.D		4
41	41	1	M2020-4929-1-A	-	1.0000	041F4101.D		4
42	42	1	M2020-4929-1-B	-	1.0000	042F4201.D		4
43	43	1	P2020-3464-4-A	-	1.0000	043F4301.D		2

Sequence File C:\Chem32\...0_SAMPLES\12-07-20_SAMPLES 2020-12-07 11-22-41\12-07-20_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	P2020-3464-4-B	-	1.0000	044F4401.D	2
45	45	1	P2020-3464-5-A	-	1.0000	045F4501.D	2
46	46	1	P2020-3464-5-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	P2020-3464-6-A	-	1.0000	049F4901.D	2
50	50	1	P2020-3464-6-B	-	1.0000	050F5001.D	2
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\12-07-20_SAMPLES\12-07-20_SAMPLES 2020-12-07 11-22-41\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