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): 7/1/20-7/2/20 (calibration: 7/1/20)**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0809 g/100cc
					0.0832 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2049 g/100cc
					0.2015 g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN06041502	ok
Curve Fit:	**Column 1**	0.99998	**Column2**	0.99991

APPROVED
By John Garner at 10:44 am, Jul 13, 2020

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0510	0.0524	0.0014	0.0517
100	0.100	0.090 - 0.110	0.1005	0.1005	0	0.1005
200	0.200	0.180 - 0.220	0.1986	0.1975	0.0011	0.198
300	0.300	0.270 - 0.330	0.2989	0.2974	0.0015	0.2981
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5010	0.5022	0.0012	0.5016

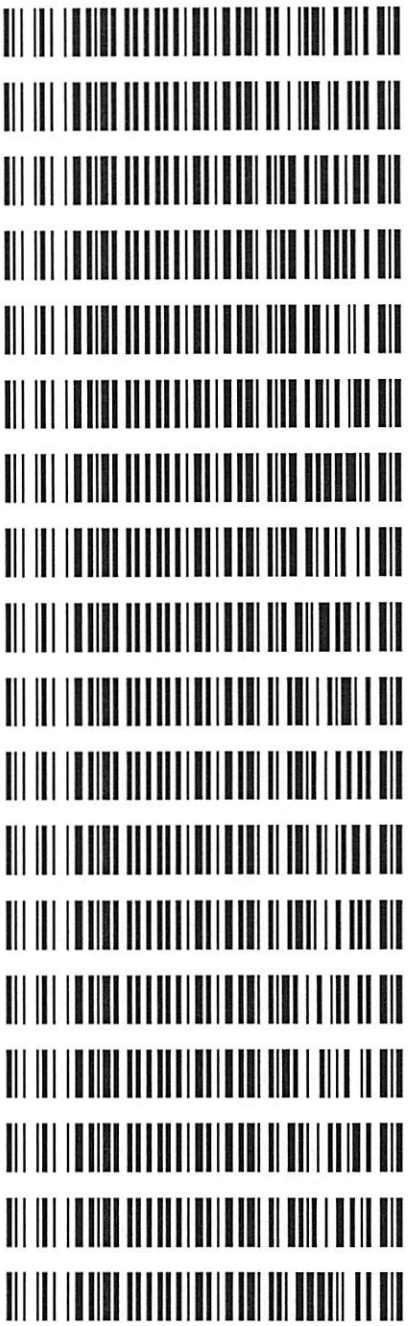
Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

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

Worklist: 4344

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-2362	1	BCK	Alcohol Analysis
M2020-2363	1	BCK	Alcohol Analysis
M2020-2385	1	BCK	Alcohol Analysis
M2020-2386	1	BCK	Alcohol Analysis
M2020-2387	1	BCK	Alcohol Analysis
M2020-2388	1	BCK	Alcohol Analysis
M2020-2389	1	BCK	Alcohol Analysis
M2020-2390	1	BCK	Alcohol Analysis
M2020-2400	1	BCK	Alcohol Analysis
M2020-2404	1	BCK	Alcohol Analysis
M2020-2405	1	BCK	Alcohol Analysis
M2020-2406	1	BCK	Alcohol Analysis
M2020-2407	2	BCK	Alcohol Analysis
M2020-2432	1	BCK	Alcohol Analysis
M2020-2443	1	BCK	Alcohol Analysis
M2020-2454	1	BCK	Alcohol Analysis
M2020-2455	1	BCK	Alcohol Analysis
M2020-2475	1	BCK	Alcohol Analysis



NB

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, July 01, 2020 3:14:54 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	4.41026	1.13372e-2	No	No	1	ethanol
		2	1.00000e-1	8.78221	1.13867e-2				
		3	2.00000e-1	17.77390	1.12525e-2				
		4	3.00000e-1	26.86382	1.11674e-2				
		5	5.00000e-1	44.52868	1.12287e-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	4.53125	1.10345e-2	No	No	2	ethanol
		2	1.00000e-1	9.04586	1.10548e-2				
		3	2.00000e-1	18.50936	1.08053e-2				
		4	3.00000e-1	28.15368	1.06558e-2				
		5	5.00000e-1	47.09797	1.06162e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	41.96826	2.38275e-2	No	Yes	1	n-propanol
		2	1.00000	41.78595	2.39315e-2				
		3	1.00000	42.47318	2.35443e-2				
		4	1.00000	42.52679	2.35146e-2				
		5	1.00000	41.97425	2.38241e-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	43.52520	2.29752e-2	No	Yes	2	n-propanol
		2	1.00000	43.07820	2.32136e-2				
		3	1.00000	43.69746	2.28846e-2				
		4	1.00000	43.74646	2.28590e-2				
		5	1.00000	43.02351	2.32431e-2				

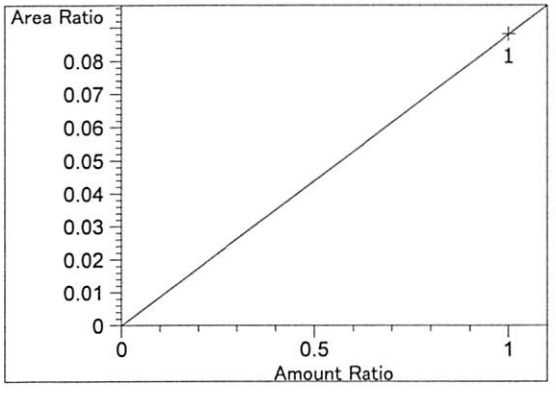
Peak Sum Table

No Entries in table

1 Warnings or Errors :

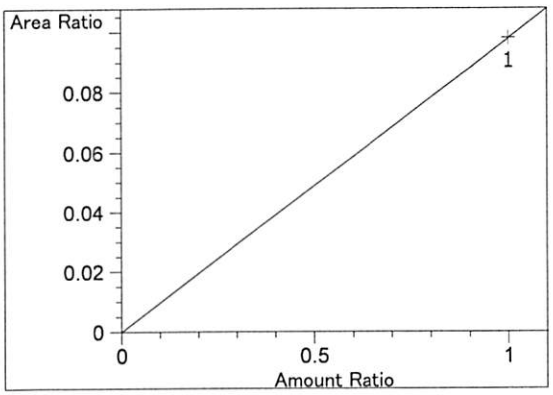
Warning : Curve requires more calibration points., (methanol)

Calibration Curves

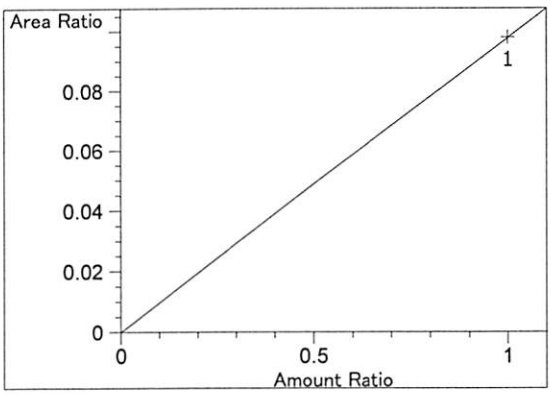


methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.80831e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

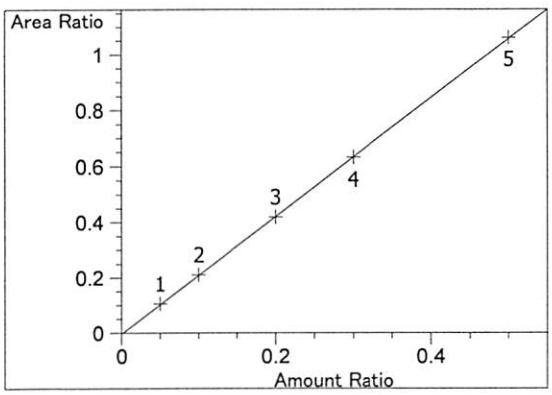
NB



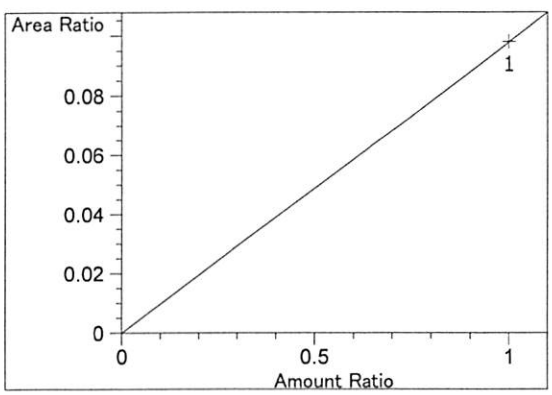
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.78973e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.78973e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

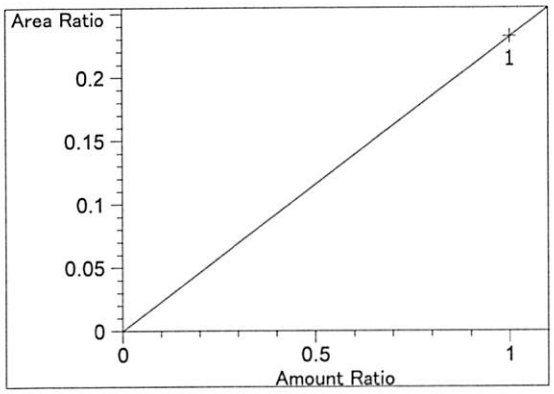


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00286
Formula: y = mx + b
m: 2.12389
b: -3.23886e-3
x: Amount Ratio
y: Area Ratio

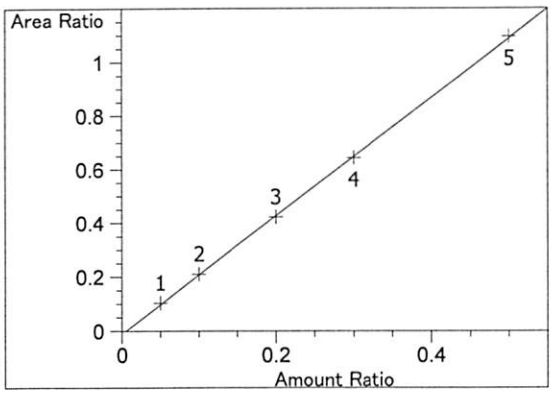


methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.78887e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

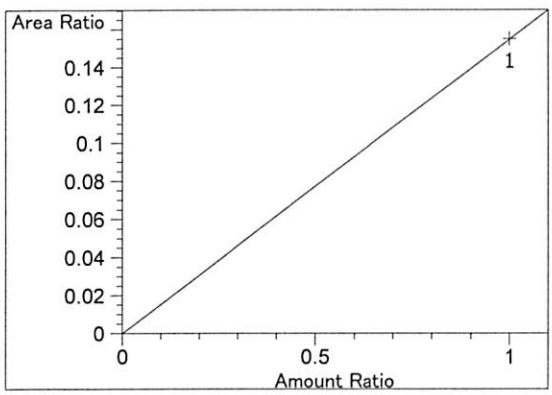
NB



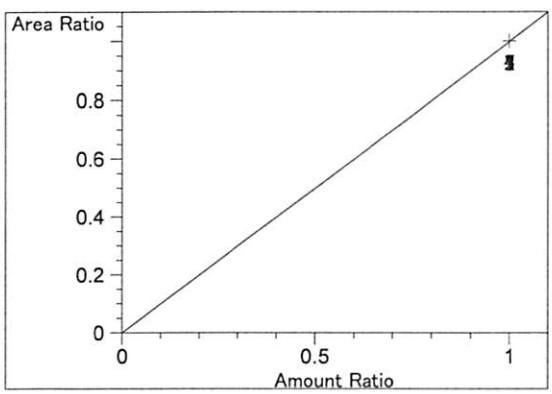
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.31855e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99991
Residual Std. Dev.: 0.00626
Formula: y = mx + b
m: 2.20214
b: -1.13051e-2
x: Amount Ratio
y: Area Ratio

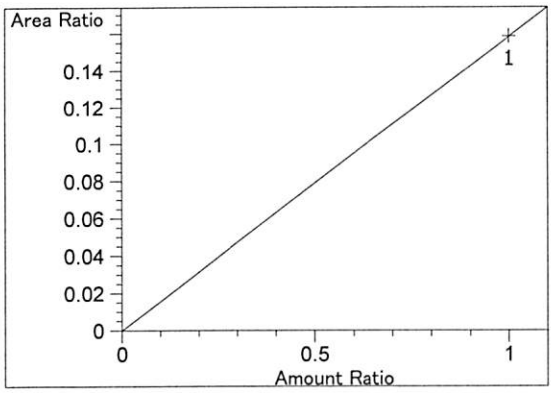


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.54865e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

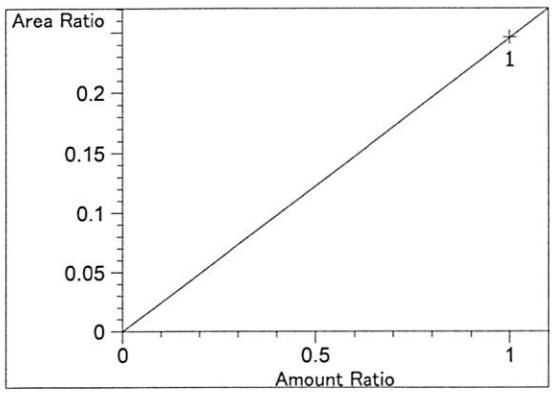


n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

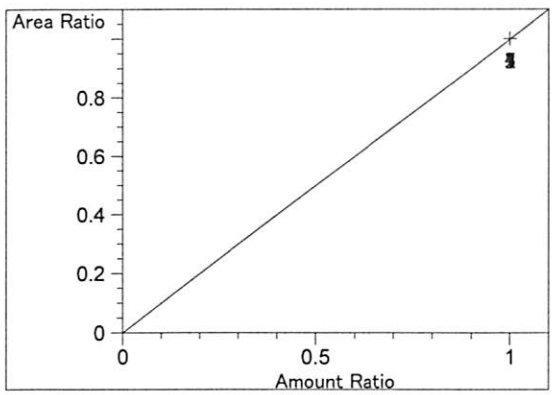
NB



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.58368e-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: 2.45982e-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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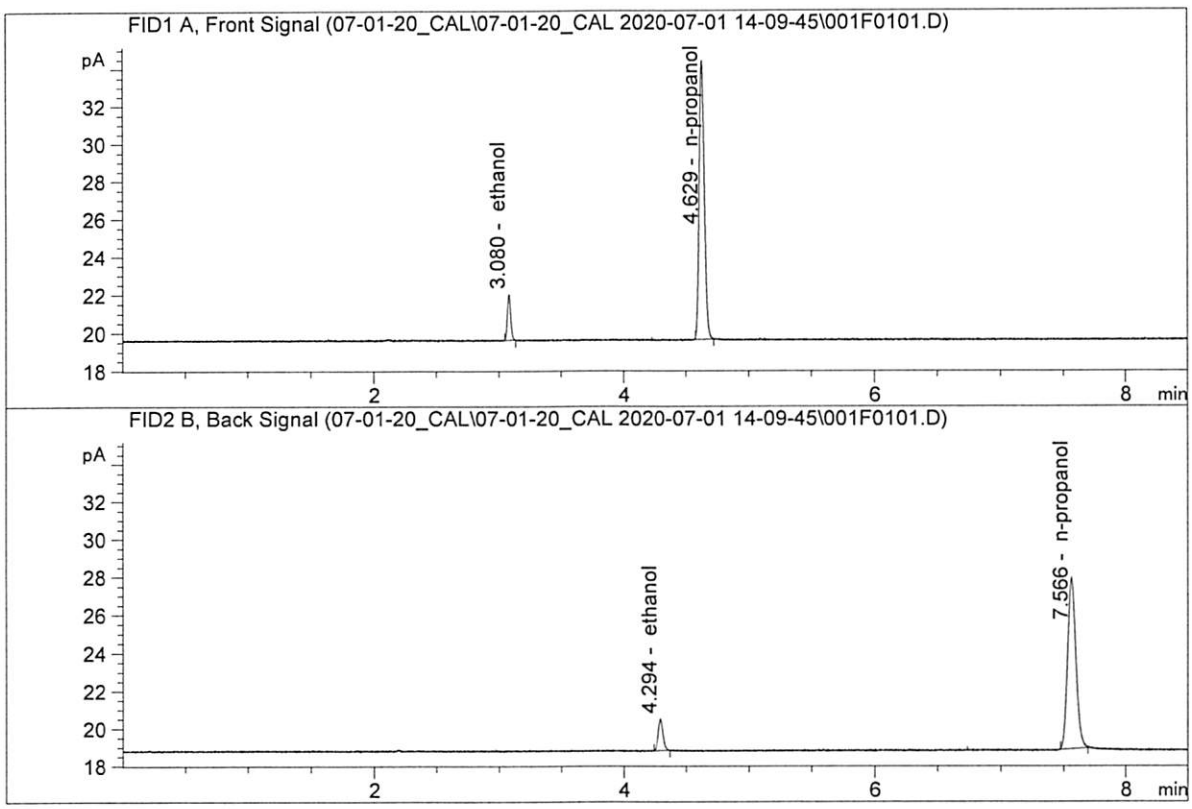
NB

ISP Forensic Services Blood Alcohol Report

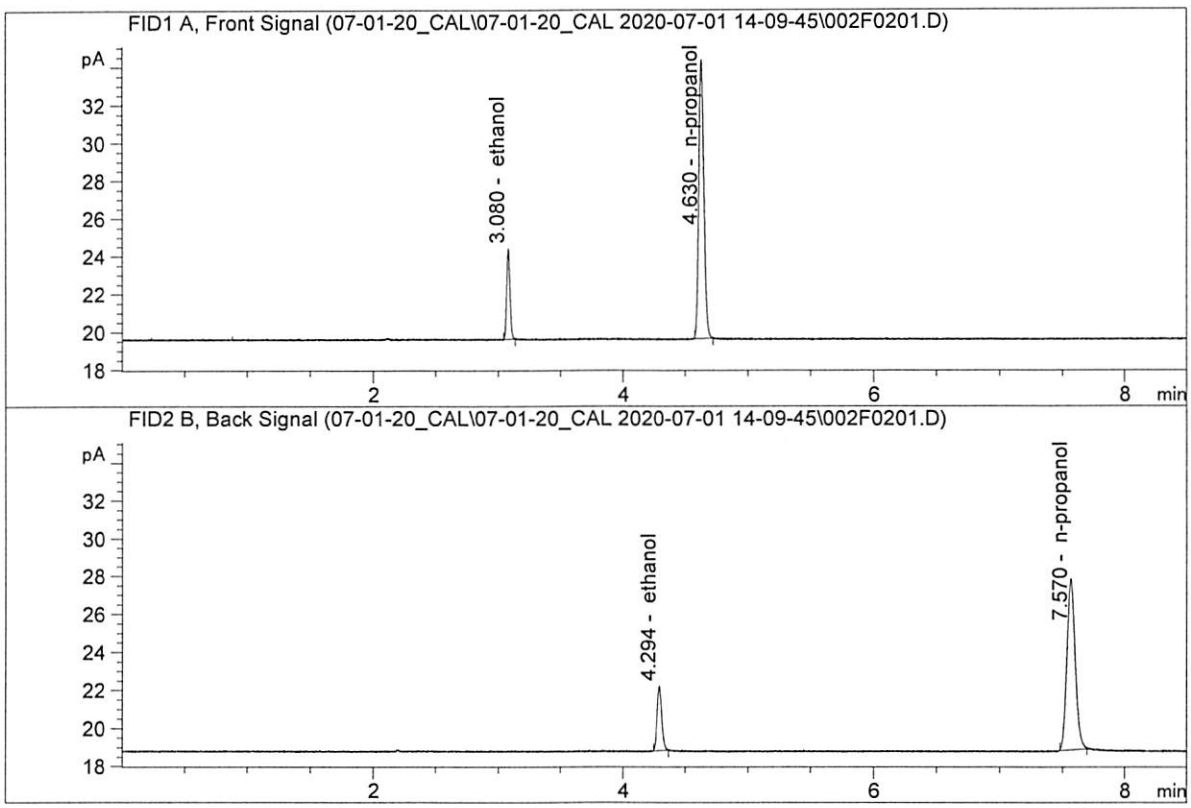
Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.41026	0.0510	g/100cc
2.	Ethanol	Column 2:	4.53125	0.0524	g/100cc
3.	n-Propanol	Column 1:	41.96826	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.52520	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

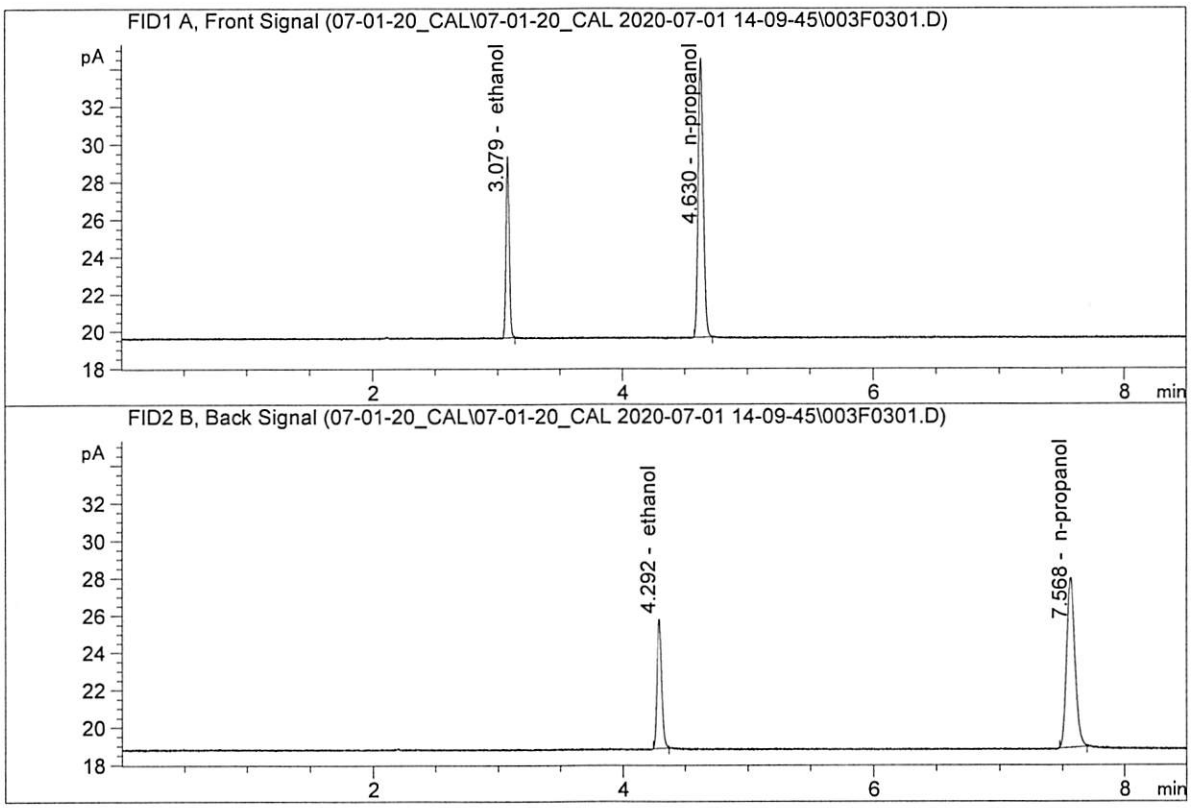


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.78221	0.1005	g/100cc
2.	Ethanol	Column 2:	9.04586	0.1005	g/100cc
3.	n-Propanol	Column 1:	41.78595	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.07820	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

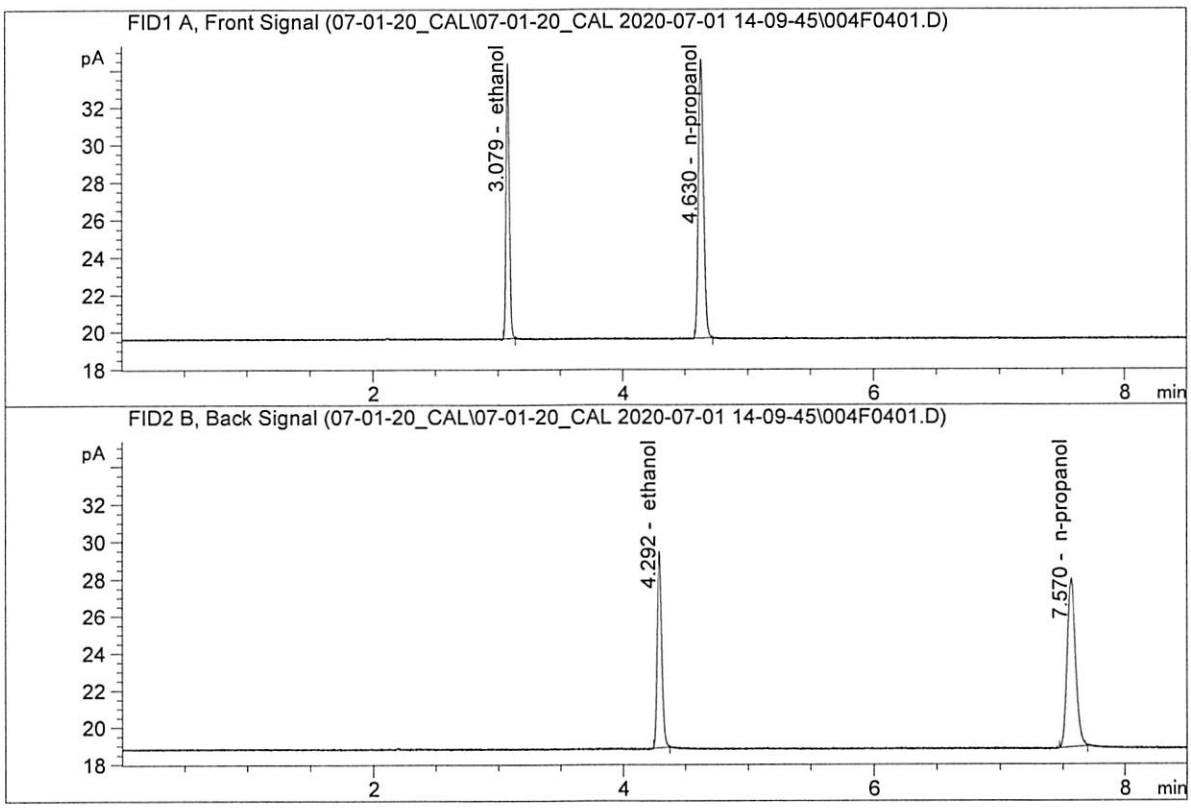
Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.77390	0.1986	g/100cc
2.	Ethanol	Column 2:	18.50936	0.1975	g/100cc
3.	n-Propanol	Column 1:	42.47318	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.69746	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

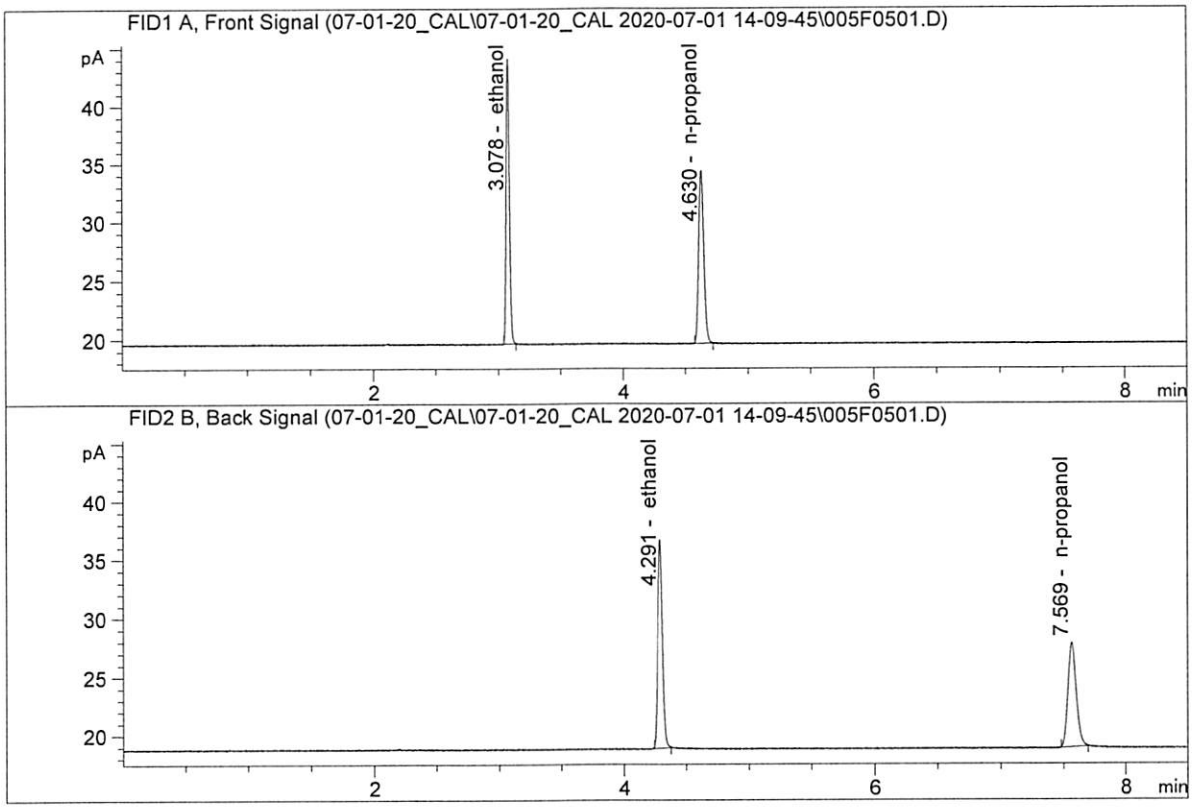
Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.86382	0.2989	g/100cc
2.	Ethanol	Column 2:	28.15368	0.2974	g/100cc
3.	n-Propanol	Column 1:	42.52679	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.74646	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

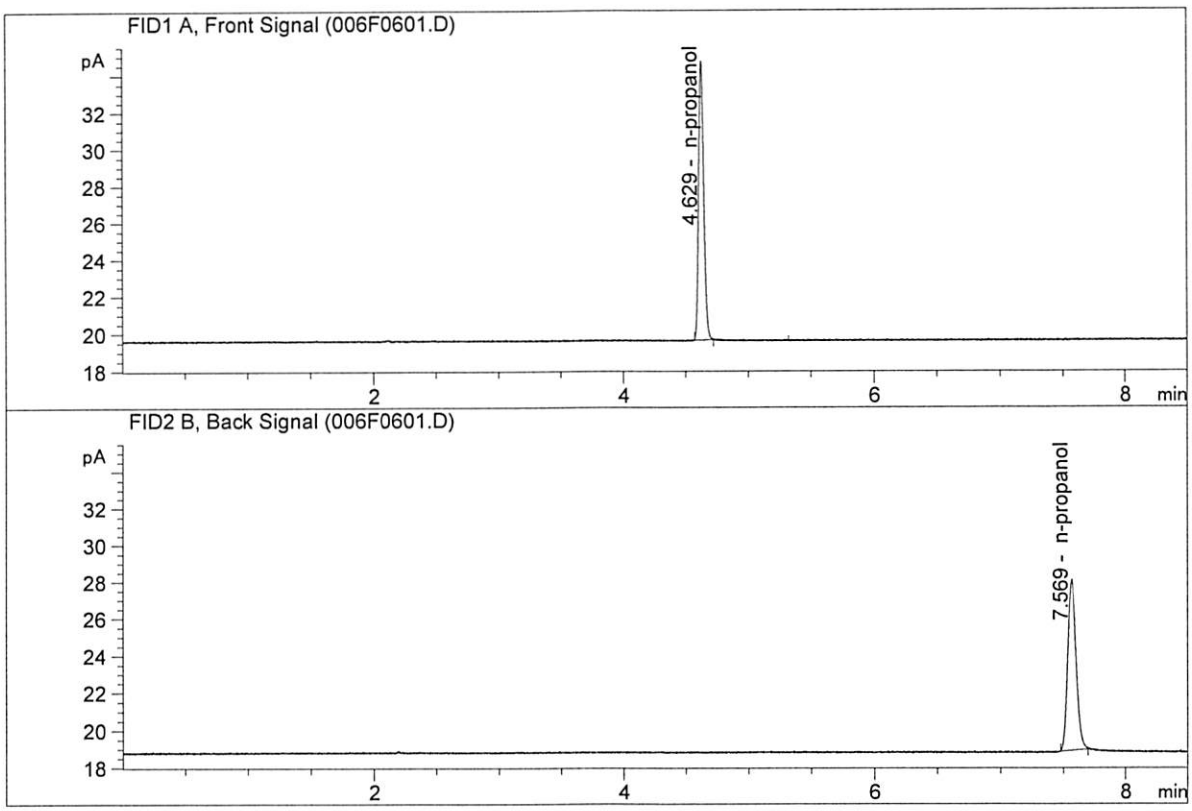


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.52868	0.5010	g/100cc
2.	Ethanol	Column 2:	47.09797	0.5022	g/100cc
3.	n-Propanol	Column 1:	41.97425	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.02351	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Jul 1, 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:	42.94609	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.02460	1.0000	g/100cc

NB

Sequence File C:\Chem32\1\Data\07-01-20_CAL\07-01-20_CAL 2020-07-01 14-09-45\07-01-20_CAL.S

Sample Summary

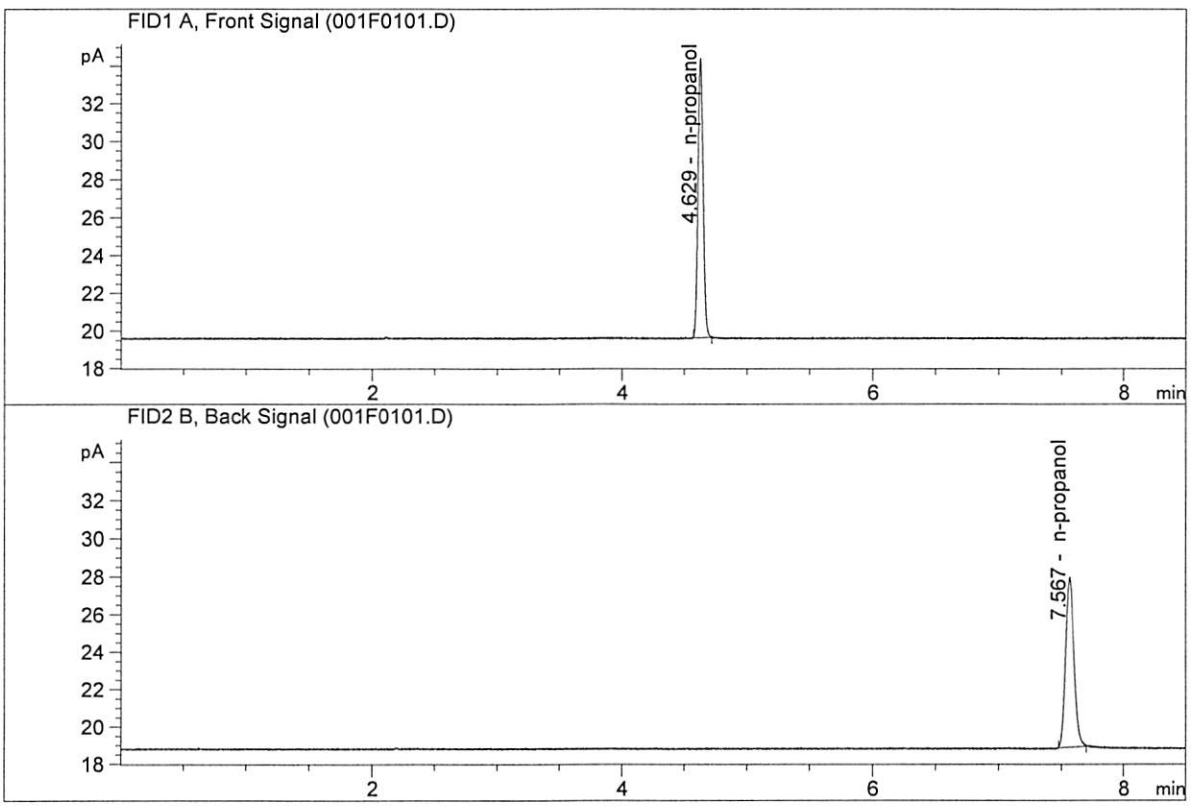
Sequence table: C:\Chem32\1\Data\07-01-20_CAL\07-01-20_CAL 2020-07-01 14-09-45\07-01-20_CAL.S
Data directory path: C:\Chem32\1\Data\07-01-20_CAL\07-01-20_CAL 2020-07-01 14-09-45\
Logbook: C:\Chem32\1\Data\07-01-20_CAL\07-01-20_CAL 2020-07-01 14-09-45\07-01-20_CAL.LOG
Sequence start: 7/1/2020 2:24:21 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\07-01-20_CAL\07-01-20_CAL 2020-07-01 14-09-45\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

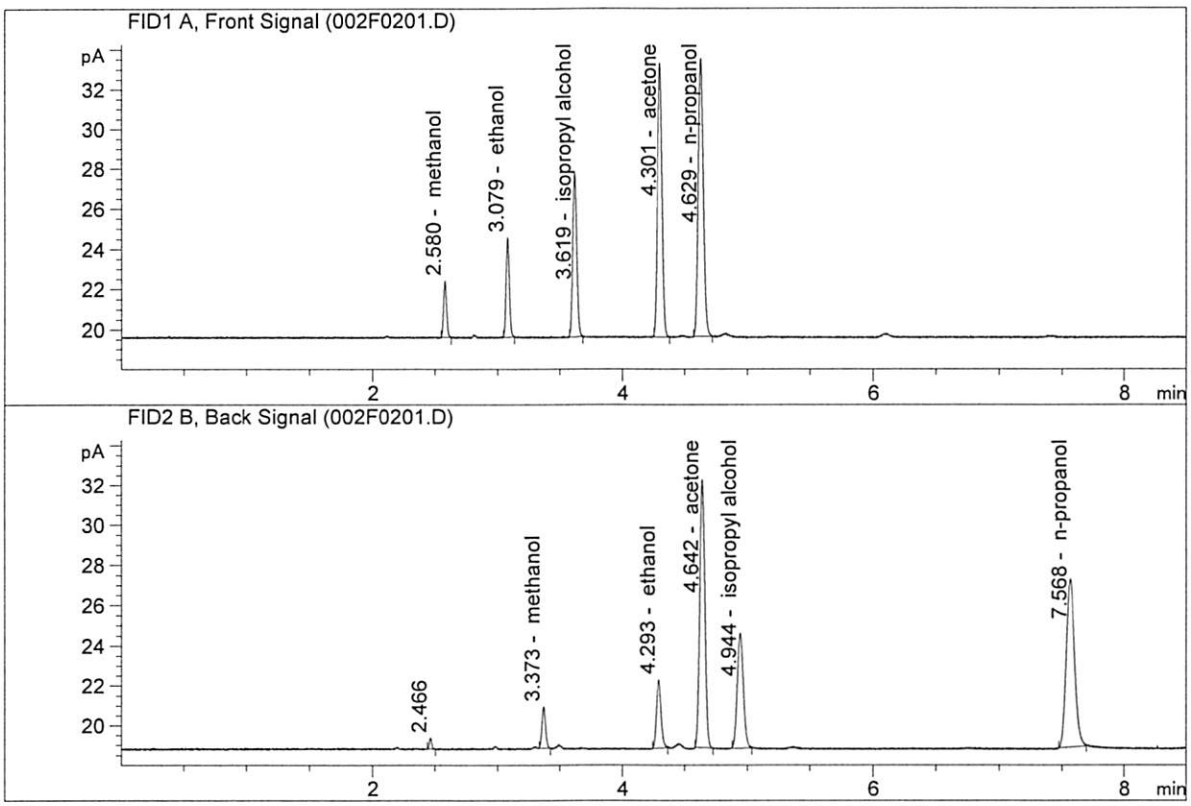
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	42.13364	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.49415	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.96657	0.1084	g/100cc
2.	Ethanol	Column 2:	9.20796	0.1084	g/100cc
3.	n-Propanol	Column 1:	39.49503	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.47519	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 01 Jul 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0806	0.0812	0.0006	0.0809	0.0001	0.0809
(g/100cc)	0.0807	0.0814	0.0007	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%**

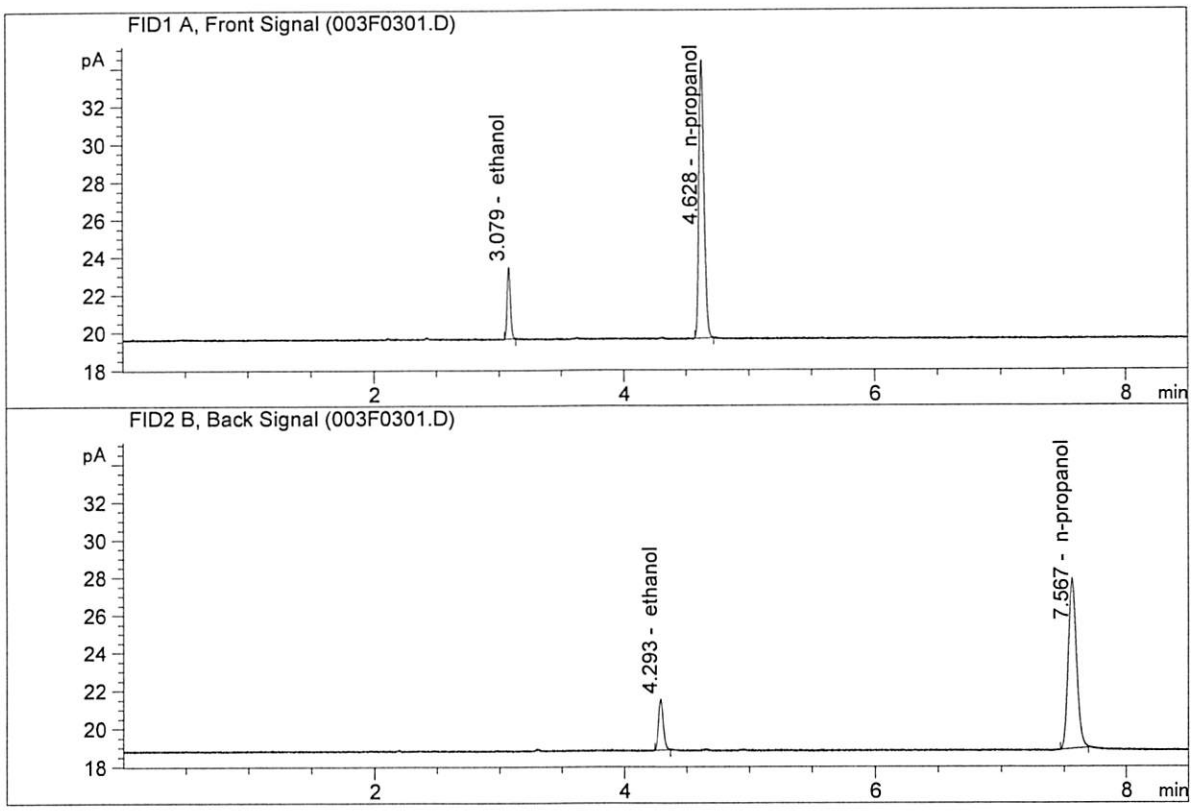
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	**0.076**	**0.084**	**0.004**

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

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

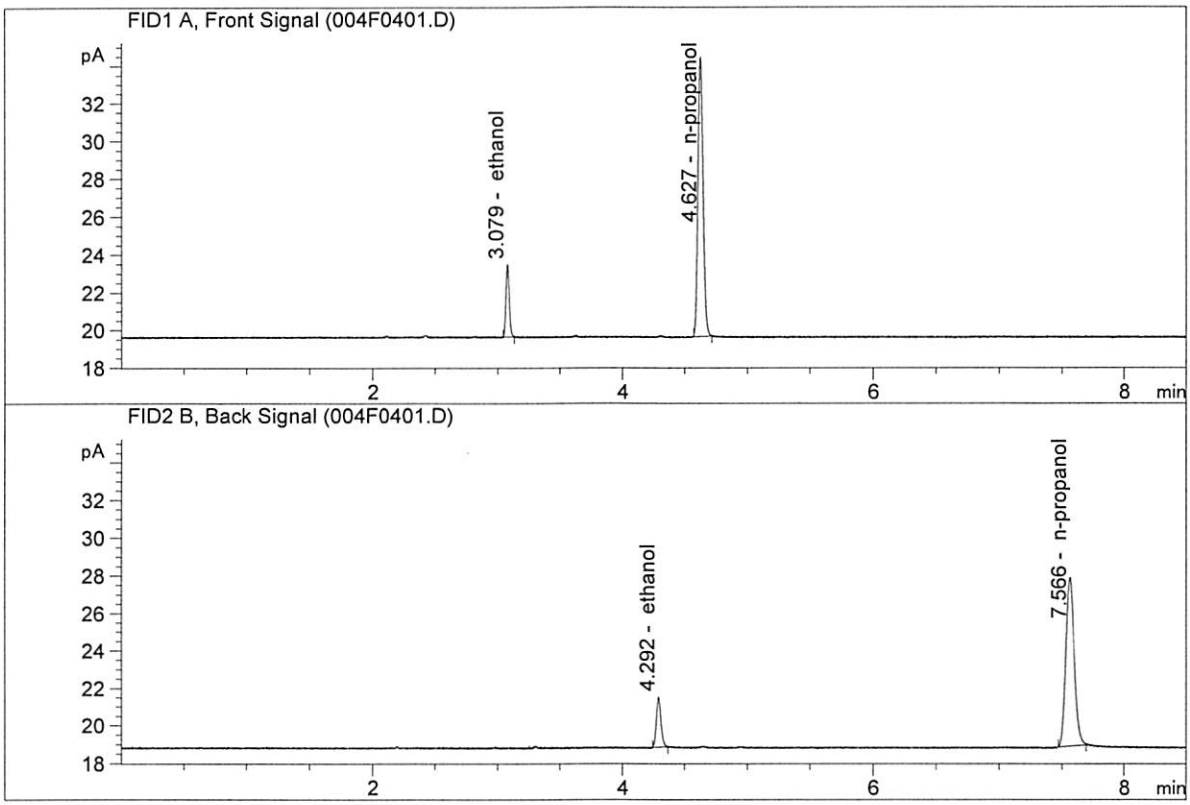


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.05357	0.0806	g/100cc
2.	Ethanol	Column 2:	7.23229	0.0812	g/100cc
3.	n-Propanol	Column 1:	42.02248	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.15099	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.09725	0.0807	g/100cc
2.	Ethanol	Column 2:	7.27257	0.0814	g/100cc
3.	n-Propanol	Column 1:	42.21145	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.29811	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 01 Jul 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0824	0.0831	0.0007	0.0827	0.0011	0.0832
(g/100cc)	0.0835	0.0841	0.0006	0.0838		

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
0.083	0.078	0.088	0.005

	Reported Result	
	0.083	

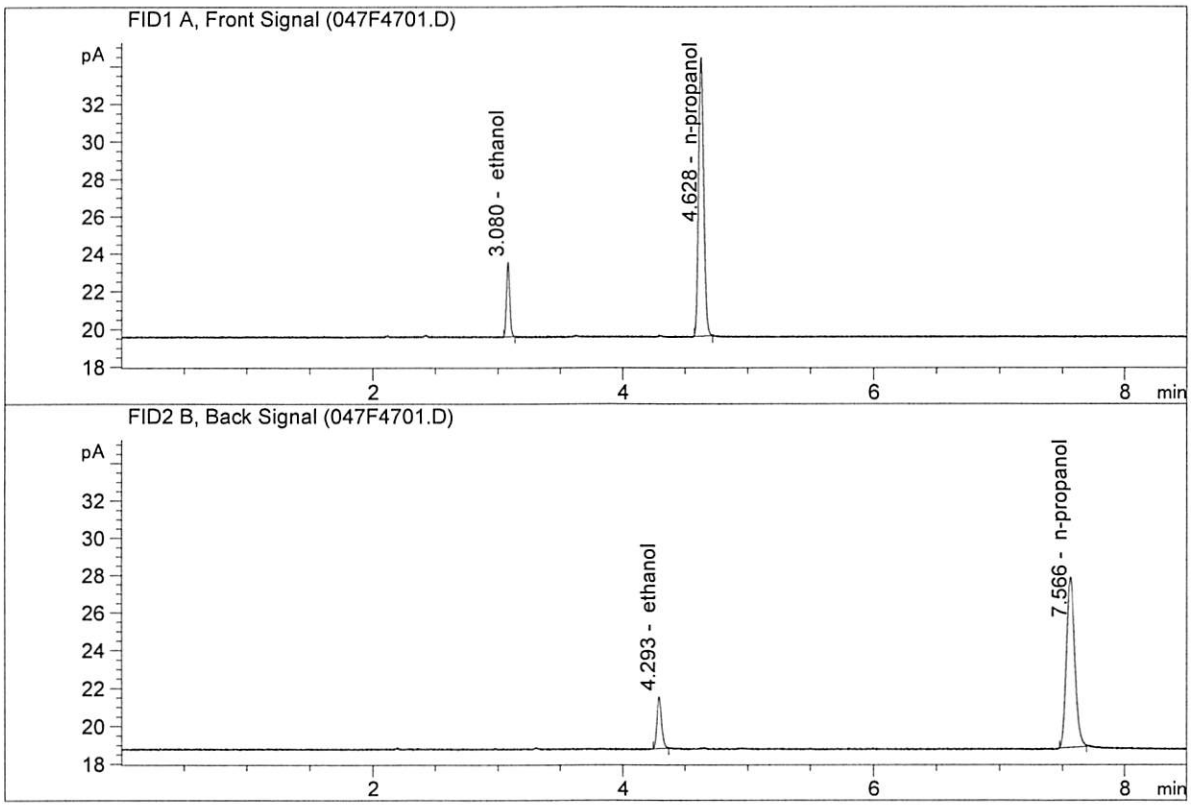
Calibration and control data are stored centrally.

NB

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

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

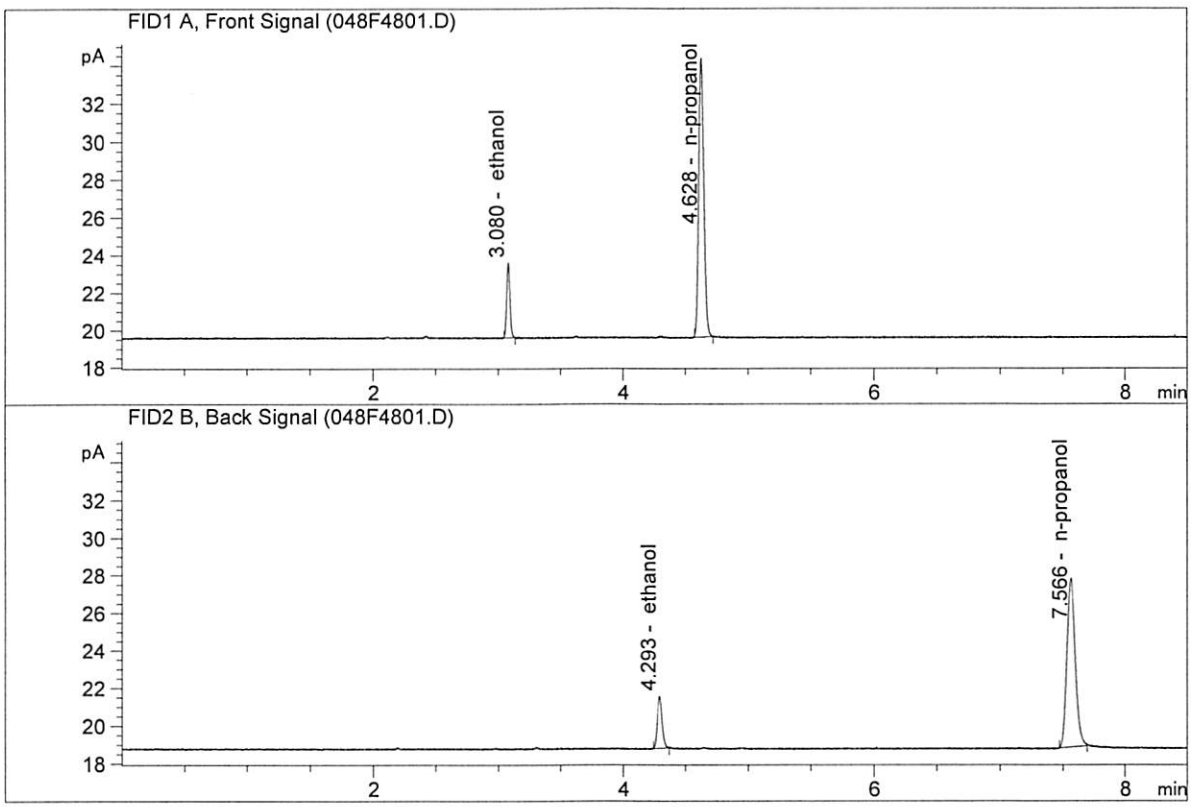


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.27678	0.0824	g/100cc
2.	Ethanol	Column 2:	7.42406	0.0831	g/100cc
3.	n-Propanol	Column 1:	42.37390	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.21841	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.32682	0.0835	g/100cc
2.	Ethanol	Column 2:	7.46774	0.0841	g/100cc
3.	n-Propanol	Column 1:	42.08381	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.96069	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 01 Jul 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2048	0.2049	0.0001	0.2048	0.0003	0.2049
(g/100cc)	0.2051	0.2051	0.0000	0.2051		

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
0.204	**0.193**	**0.215**	**0.011**

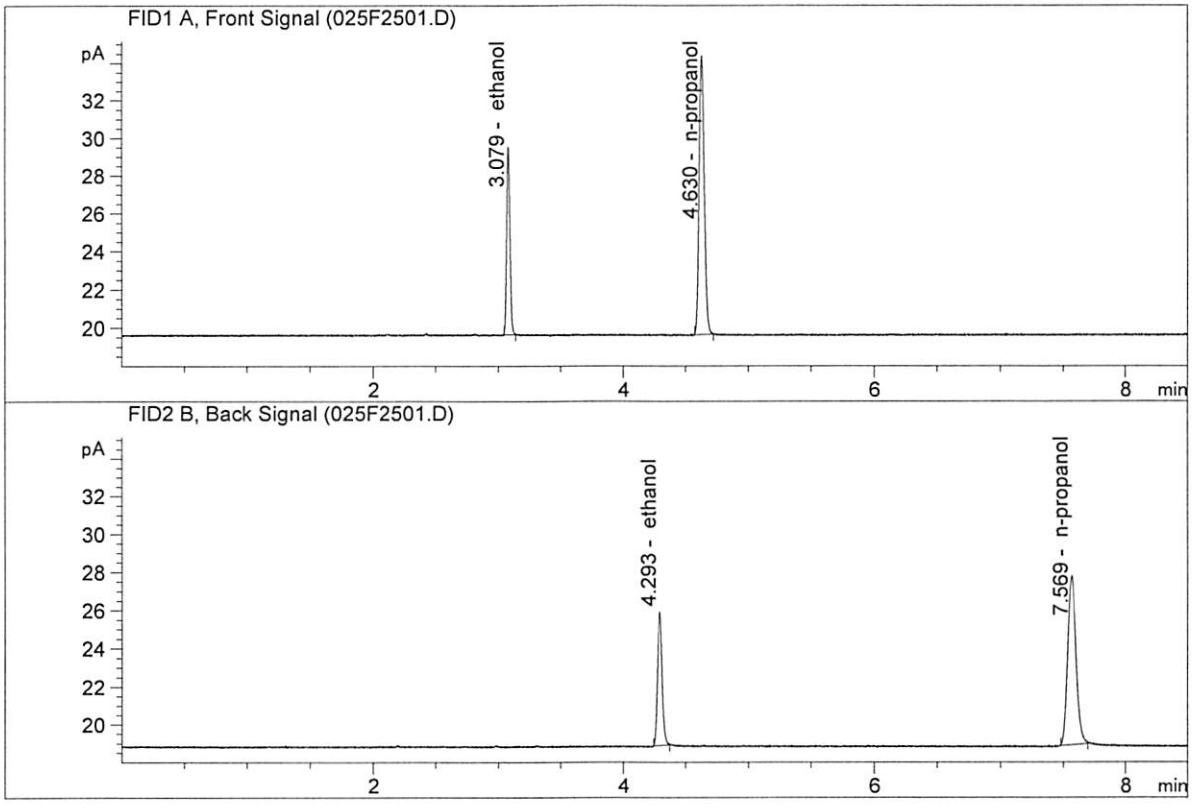
Reported Result
0.204

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

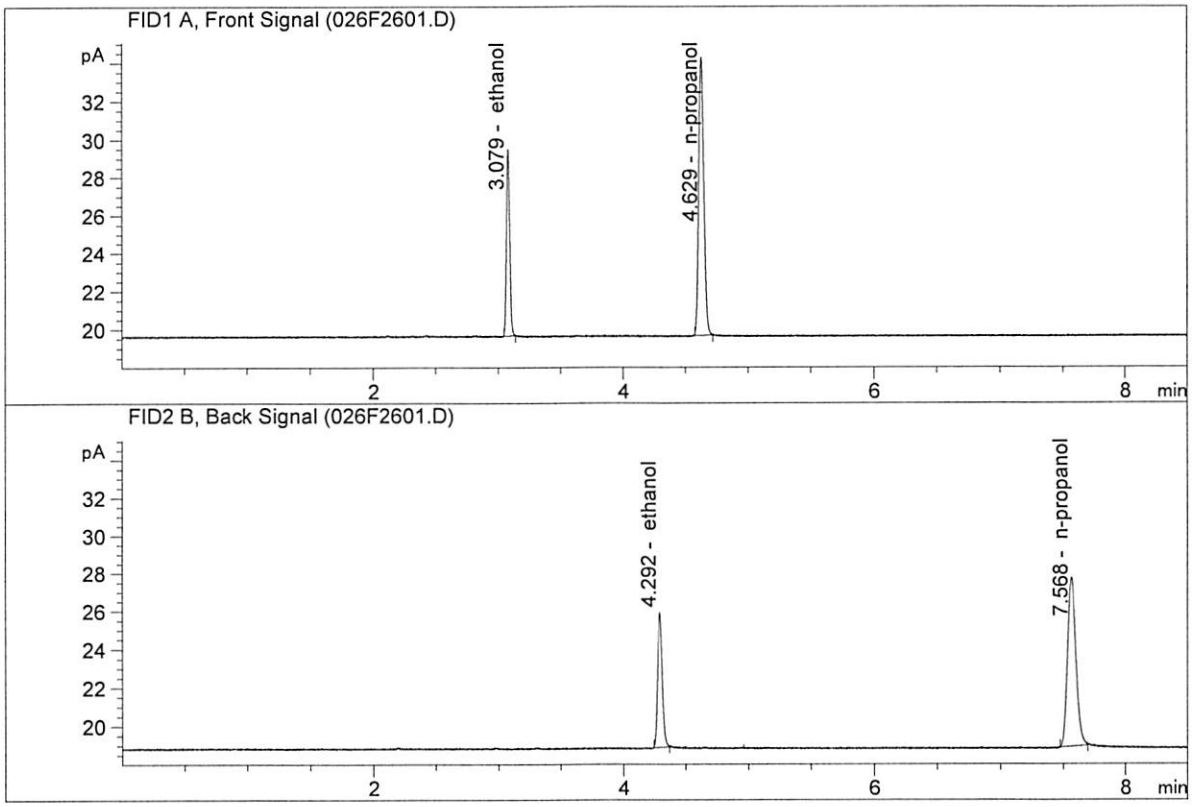
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.08432	0.2048	g/100cc
2.	Ethanol	Column 2:	18.71808	0.2049	g/100cc
3.	n-Propanol	Column 1:	41.88419	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.55018	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.01618	0.2051	g/100cc
2.	Ethanol	Column 2:	18.70631	0.2051	g/100cc
3.	n-Propanol	Column 1:	41.65885	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.47765	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 02 Jul 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results (g/100cc)	0.2014	0.2016	0.0002	0.2015	0.0000	0.2015
	0.2020	0.2011	0.0009	0.2015		

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

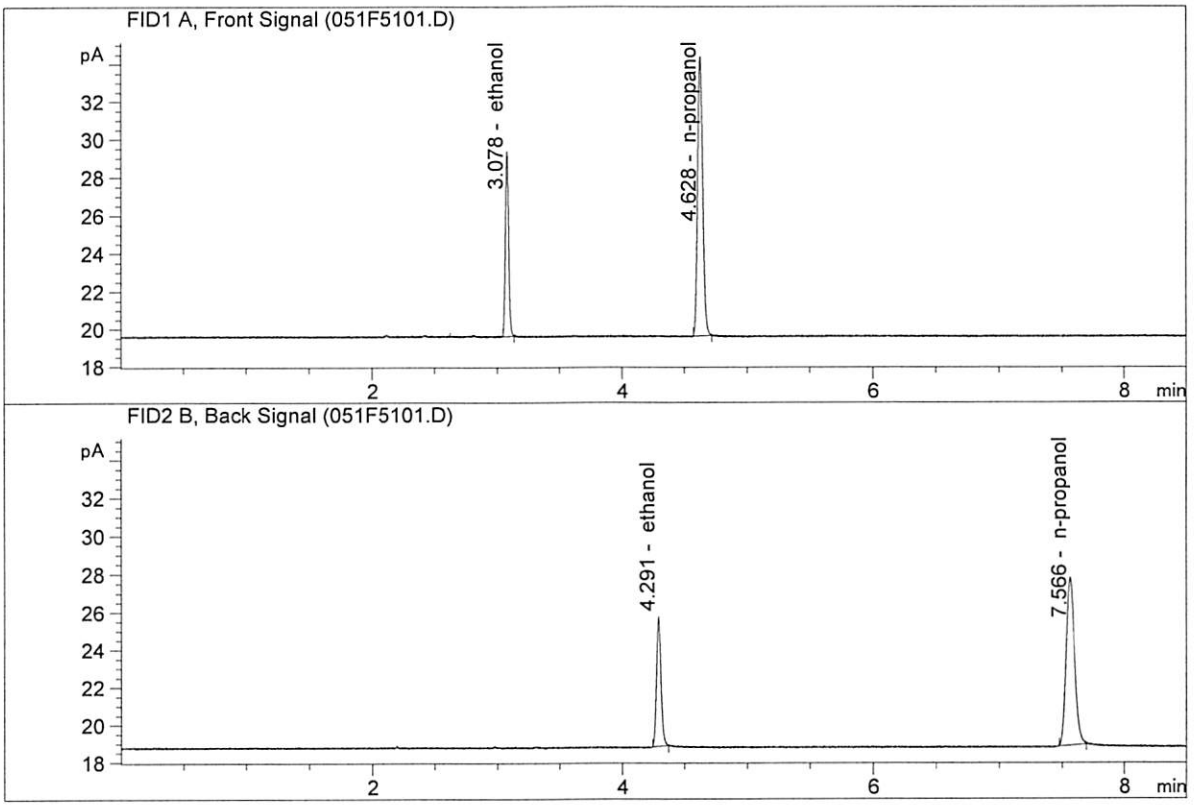
0.201

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

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

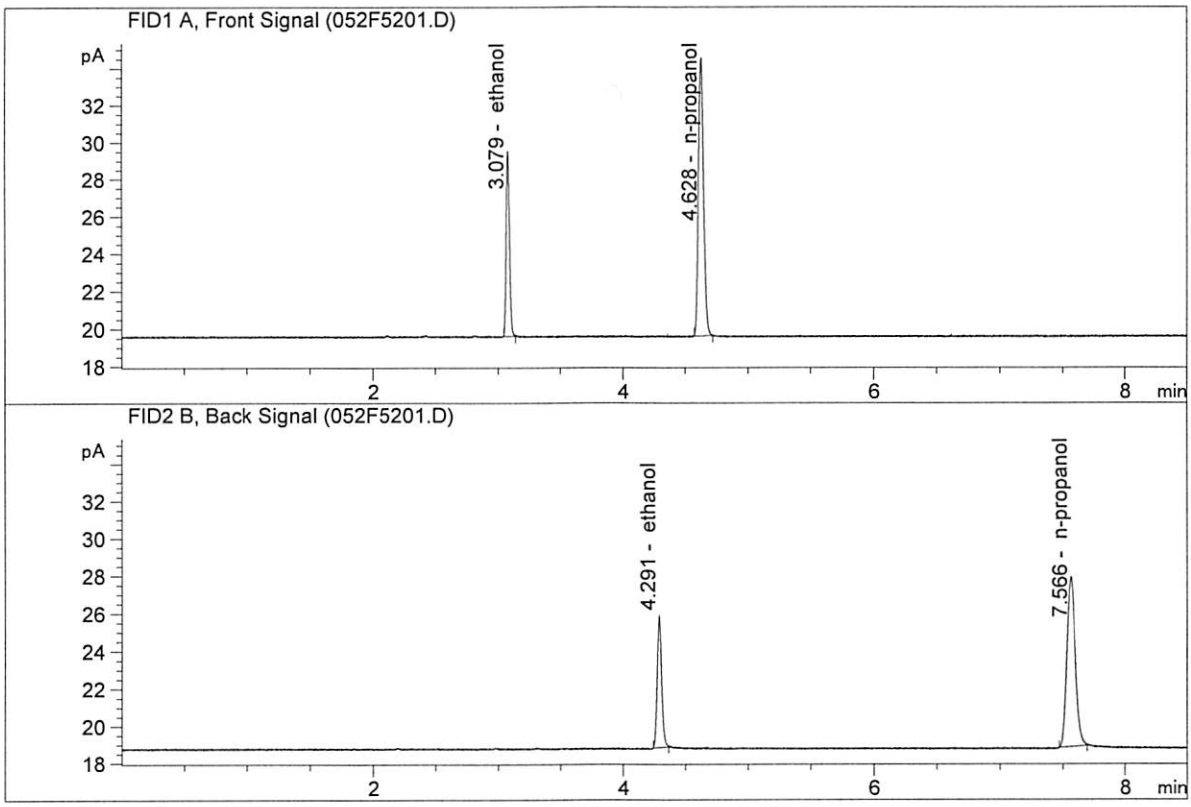


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.84083	0.2014	g/100cc
2.	Ethanol	Column 2:	18.52821	0.2016	g/100cc
3.	n-Propanol	Column 1:	42.03684	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.81483	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.11062	0.2020	g/100cc
2.	Ethanol	Column 2:	18.73297	0.2011	g/100cc
3.	n-Propanol	Column 1:	42.54176	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.40255	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 01 Jul 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0808	0.0819	0.0011	0.0813	0.0000	0.0813
(g/100cc)	0.0810	0.0816	0.0006	0.0813		

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

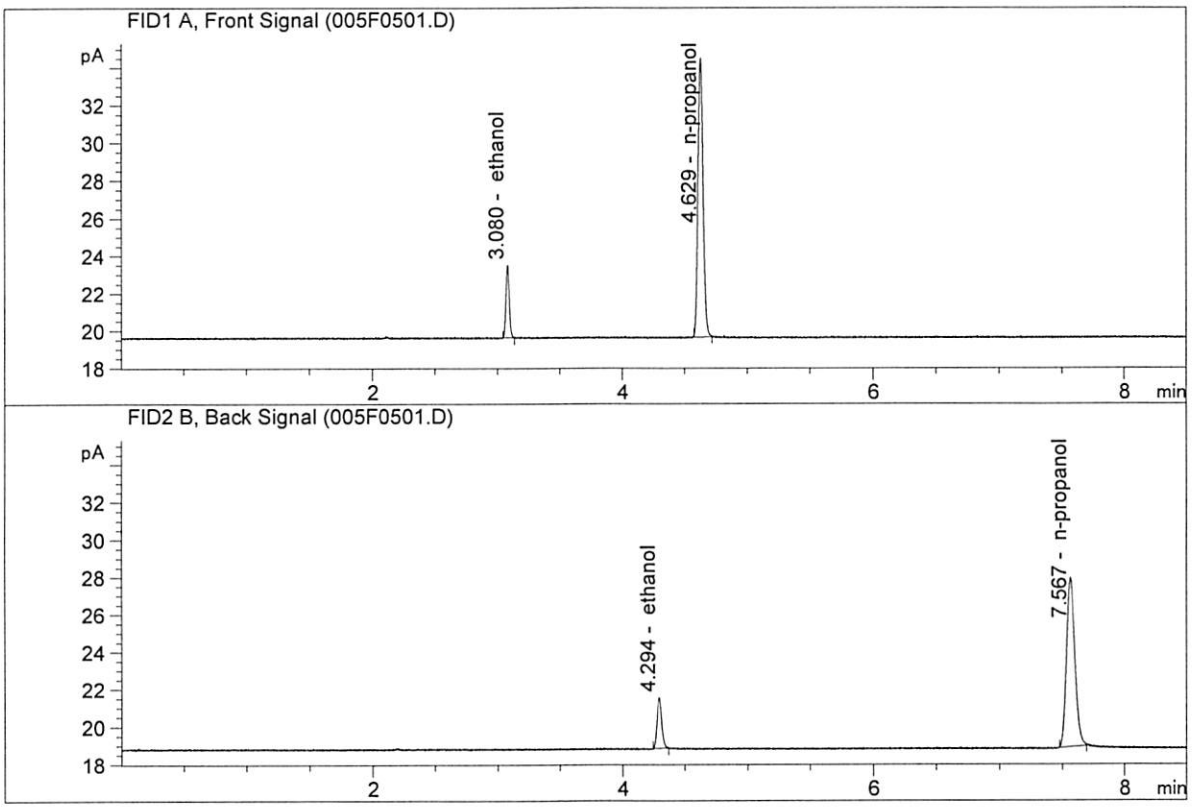
	Reported Result	
	0.081	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

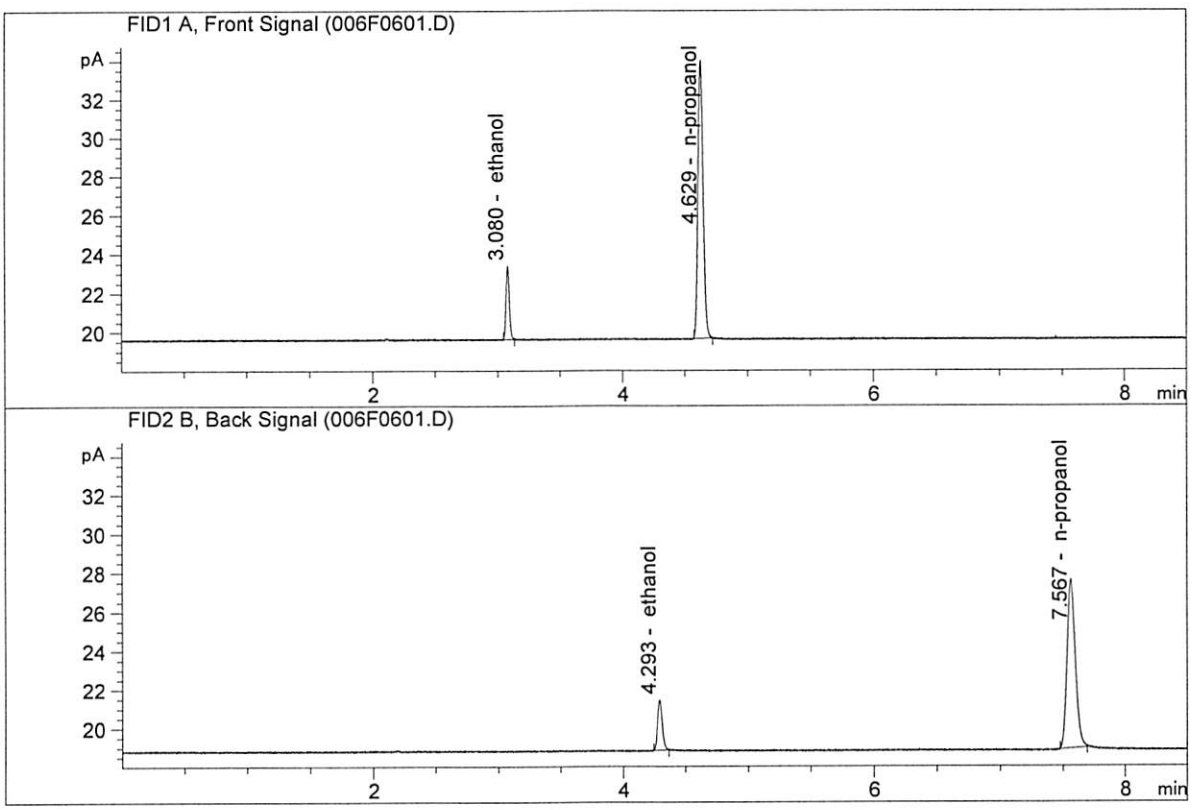


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.13503	0.0808	g/100cc
2.	Ethanol	Column 2:	7.32383	0.0819	g/100cc
3.	n-Propanol	Column 1:	42.37321	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.31214	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

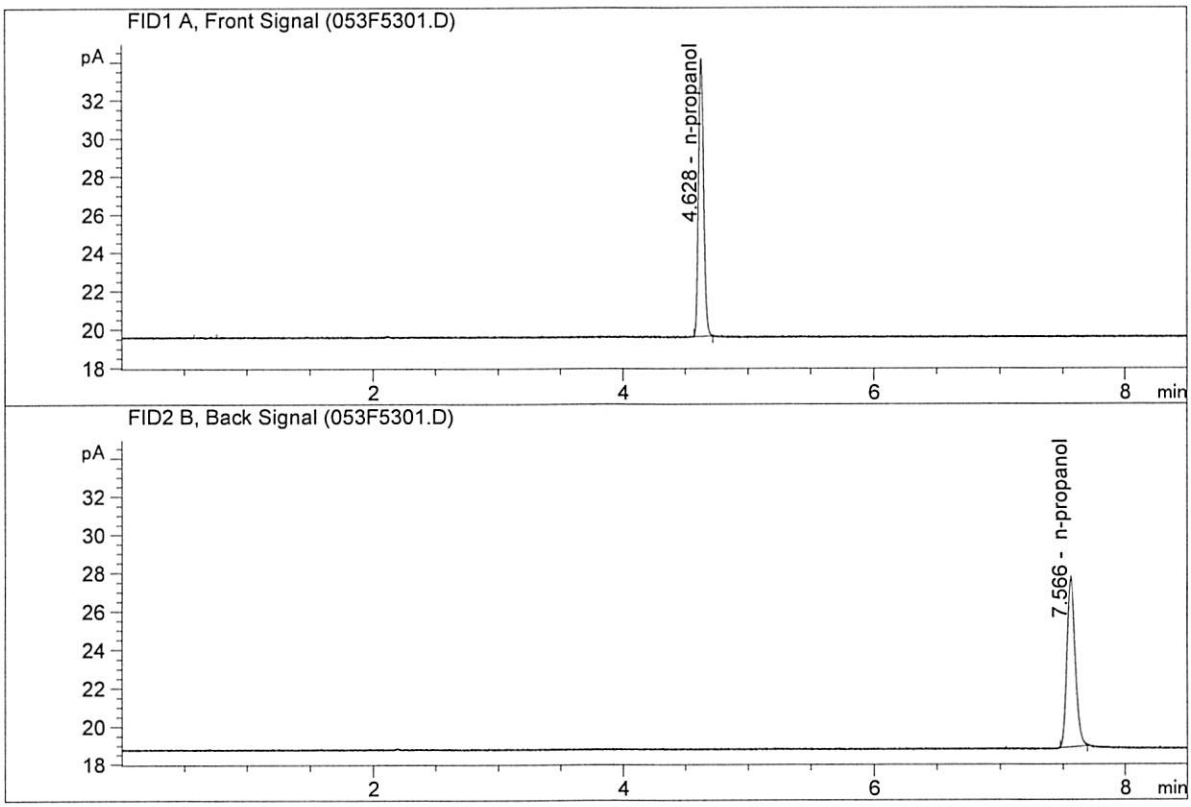
Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Jul 1, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.91337	0.0810	g/100cc
2.	Ethanol	Column 2:	7.03233	0.0816	g/100cc
3.	n-Propanol	Column 1:	40.93959	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.78153	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jul 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:	41.45140	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.29863	1.0000	g/100cc

NB

Sample Summary

Sequence table: C:\Chem32\1\Data\07-01-20_SAMPLES\07-01-20_SAMPLES 2020-07-01 15-37-45\07-01-20_SAMPLES.S
Data directory path: C:\Chem32\1\Data\07-01-20_SAMPLES\07-01-20_SAMPLES 2020-07-01 15-37-45\
Logbook: C:\Chem32\1\Data\07-01-20_SAMPLES\07-01-20_SAMPLES 2020-07-01 15-37-45\07-01-20_SAMPLES.LOG
Sequence start: 7/1/2020 3:52:32 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\07-01-20_SAMPLES\07-01-20_SAMPLES 2020-07-01 15-37-45\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	0.08 GUTH LOT 20	-	1.0000	007F0701.D		4
8	8	1	0.08 GUTH LOT 20	-	1.0000	008F0801.D		4
9	9	1	0.08 GUTH LOT 20	-	1.0000	009F0901.D		4
10	10	1	0.08 GUTH LOT 20	-	1.0000	010F1001.D		4
11	11	1	M2020-2362-1-A	-	1.0000	011F1101.D		4
12	12	1	M2020-2362-1-B	-	1.0000	012F1201.D		4
13	13	1	M2020-2363-1-A	-	1.0000	013F1301.D		4
14	14	1	M2020-2363-1-B	-	1.0000	014F1401.D		4
15	15	1	M2020-2385-1-A	-	1.0000	015F1501.D		4
16	16	1	M2020-2385-1-B	-	1.0000	016F1601.D		4
17	17	1	M2020-2386-1-A	-	1.0000	017F1701.D		4
18	18	1	M2020-2386-1-B	-	1.0000	018F1801.D		4
19	19	1	M2020-2387-1-A	-	1.0000	019F1901.D		4
20	20	1	M2020-2387-1-B	-	1.0000	020F2001.D		4
21	21	1	M2020-2388-1-A	-	1.0000	021F2101.D		4
22	22	1	M2020-2388-1-B	-	1.0000	022F2201.D		4
23	23	1	M2020-2389-1-A	-	1.0000	023F2301.D		4
24	24	1	M2020-2389-1-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	M2020-2390-1-A	-	1.0000	027F2701.D		4
28	28	1	M2020-2390-1-B	-	1.0000	028F2801.D		4
29	29	1	M2020-2400-1-A	-	1.0000	029F2901.D		4
30	30	1	M2020-2400-1-B	-	1.0000	030F3001.D		4
31	31	1	M2020-2404-1-A	-	1.0000	031F3101.D		4
32	32	1	M2020-2404-1-B	-	1.0000	032F3201.D		4
33	33	1	M2020-2405-1-A	-	1.0000	033F3301.D		4
34	34	1	M2020-2405-1-B	-	1.0000	034F3401.D		4
35	35	1	M2020-2406-1-A	-	1.0000	035F3501.D		4
36	36	1	M2020-2406-1-B	-	1.0000	036F3601.D		4
37	37	1	M2020-2407-2-A	-	1.0000	037F3701.D		2
38	38	1	M2020-2407-2-B	-	1.0000	038F3801.D		2
39	39	1	M2020-2432-1-A	-	1.0000	039F3901.D		4
40	40	1	M2020-2432-1-B	-	1.0000	040F4001.D		4
41	41	1	M2020-2443-1-A	-	1.0000	041F4101.D		4
42	42	1	M2020-2443-1-B	-	1.0000	042F4201.D		4
43	43	1	M2020-2454-1-A	-	1.0000	043F4301.D		4

NB

Sequence File C:\Chem32\...0_SAMPLES\07-01-20_SAMPLES 2020-07-01 15-37-45\07-01-20_SAMPLES.S

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	M2020-2454-1-B	-	1.0000	044F4401.D	4
45	45	1	M2020-2455-1-A	-	1.0000	045F4501.D	4
46	46	1	M2020-2455-1-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	M2020-2475-1-A	-	1.0000	049F4901.D	4
50	50	1	M2020-2475-1-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\07-01-20_SAMPLES\07-01-20_SAMPLES 2020-07-01 15-37-45\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