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): 08/10/2020**

Calibration Date: 08/03/2020

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0740 g/100cc
					0.0758 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2031 g/100cc
					0.2001 g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN06041502	OK
Curve Fit:	**Column 1**	0.99999	**Column2**	0.99991

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0508	0.0522	0.0014	0.0515
100	0.100	0.090 - 0.110	0.0998	0.1005	0.0007	0.1001
200	0.200	0.180 - 0.220	0.1990	0.1980	0.001	0.1985
300	0.300	0.270 - 0.330	0.3002	0.2970	0.0032	0.2986
400	0.400	0.360 - 0.440				
500	0.500	0.450 - 0.550	0.5003	0.5023	0.002	0.5013

Aqueous Controls

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

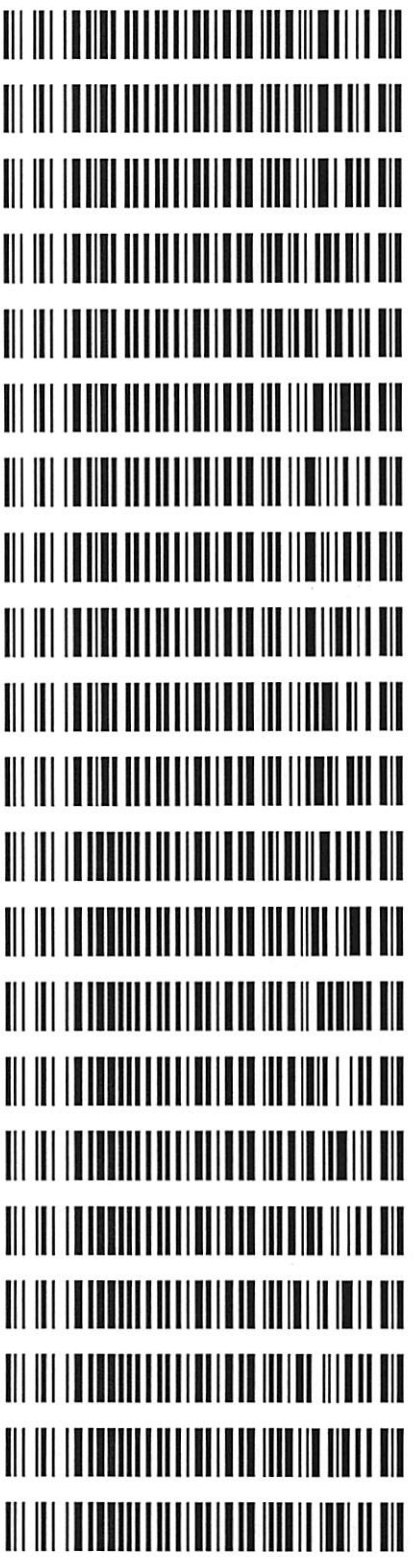
REVIEWED
By Anne Nord at 10:24 am, Aug 11, 2020

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

8/11/2020

Worklist: 4423

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-2942	1	BCK	Alcohol Analysis
M2020-2974	1	BCK	Alcohol Analysis
M2020-2985	2	BCK	Alcohol Analysis
M2020-3007	1	BCK	Alcohol Analysis
M2020-3014	1	BCK	Alcohol Analysis
M2020-3032	1	BCK	Alcohol Analysis
M2020-3033	1	BCK	Alcohol Analysis
M2020-3034	1	BCK	Alcohol Analysis
M2020-3035	1	BCK	Alcohol Analysis
M2020-3036	1	BCK	Alcohol Analysis
M2020-3037	1	BCK	Alcohol Analysis
P2020-2303	1	BCK	Alcohol Analysis
P2020-2309	1	BCK	Alcohol Analysis
P2020-2310	1	BCK	Alcohol Analysis
P2020-2313	1	UCK	Alcohol Analysis
P2020-2314	1	BCK	Alcohol Analysis
P2020-2315	1	BCK	Alcohol Analysis
P2020-2325	1	BCK	Alcohol Analysis
P2020-2333	1	BCK	Alcohol Analysis
P2020-2336	1	BCK	Alcohol Analysis
P2020-2338	1	BCK	Alcohol Analysis



Worklist: 4423

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2020-2347	1	BCK	Alcohol Analysis
P2020-2348	1	BCK	Alcohol Analysis
P2020-2349	1	BCK	Alcohol Analysis
P2020-2374	1	BCK	Alcohol Analysis

Calibration Table

General Calibration Setting

Calib. Data Modified : Monday, August 03, 2020 2:32:43 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	4.43784	1.12667e-2	No	No	1	ethanol
		2	1.00000e-1	8.88982	1.12488e-2				
		3	2.00000e-1	17.86740	1.11936e-2				
		4	3.00000e-1	26.62480	1.12677e-2				
		5	5.00000e-1	44.75724	1.11714e-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	4.54595	1.09988e-2	No	No	2	ethanol
		2	1.00000e-1	9.20193	1.08673e-2				
		3	2.00000e-1	18.65465	1.07212e-2				
		4	3.00000e-1	27.84667	1.07733e-2				
		5	5.00000e-1	47.41045	1.05462e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	42.36873	2.36023e-2	No	Yes	1	n-propanol
		2	1.00000	42.39096	2.35899e-2				
		3	1.00000	42.31837	2.36304e-2				
		4	1.00000	41.66415	2.40014e-2				
		5	1.00000	41.91922	2.38554e-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	43.75035	2.28570e-2	No	Yes	2	n-propanol
		2	1.00000	43.43819	2.30212e-2				
		3	1.00000	43.41034	2.30360e-2				
		4	1.00000	42.77103	2.33803e-2				
		5	1.00000	42.71841	2.34091e-2				

Peak Sum Table

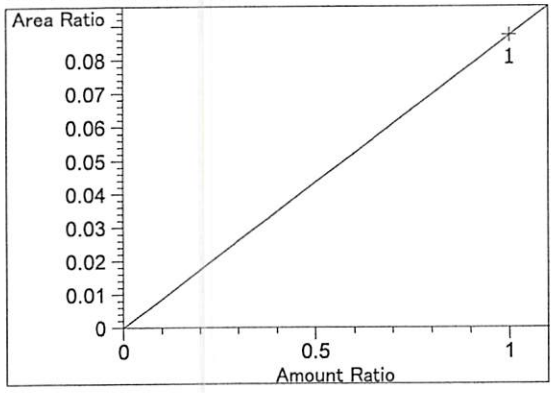
No Entries in table

---

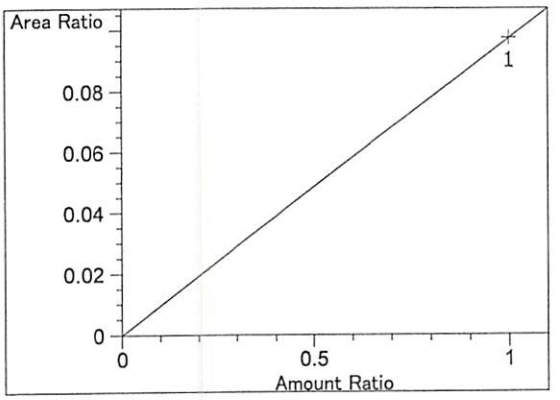
1 Warnings or Errors :

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

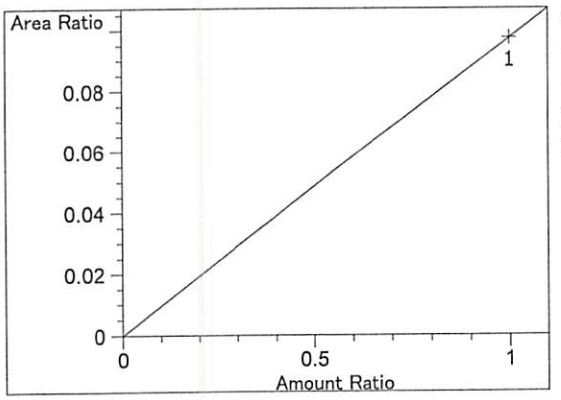
Calibration Curves



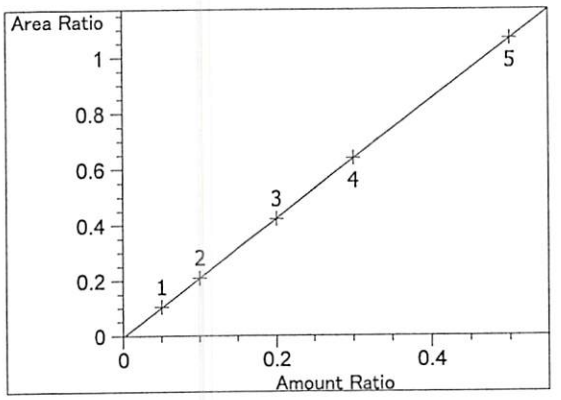
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.72505e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



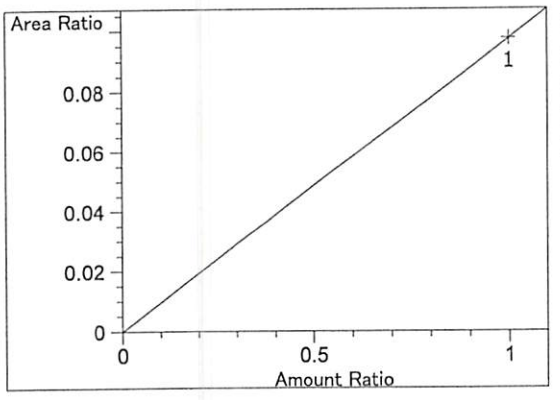
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.73935e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



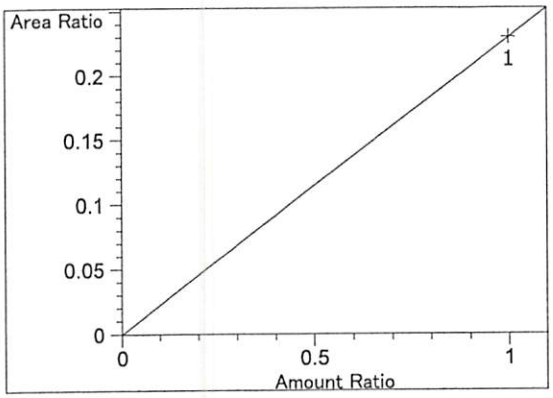
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.73935e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



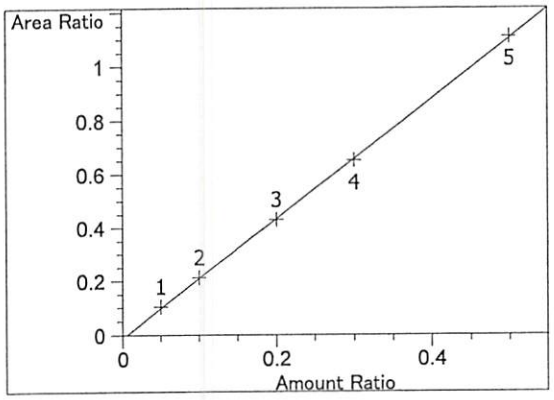
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00167
Formula: y = mx + b
m: 2.14242
b: -4.07529e-3
x: Amount Ratio
y: Area Ratio



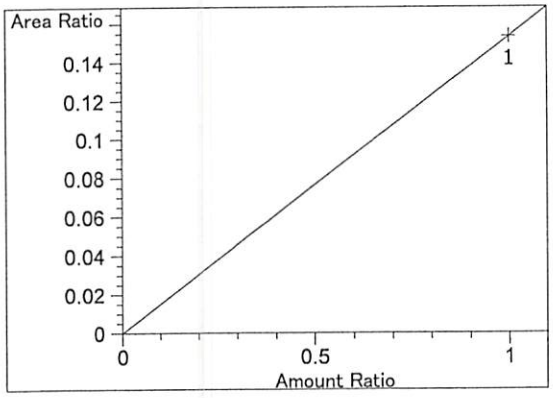
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.73849e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



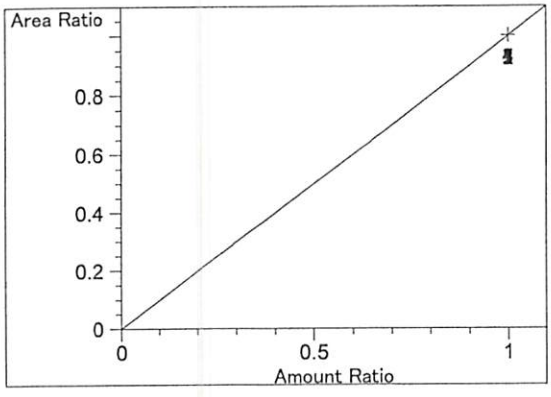
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.29664e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



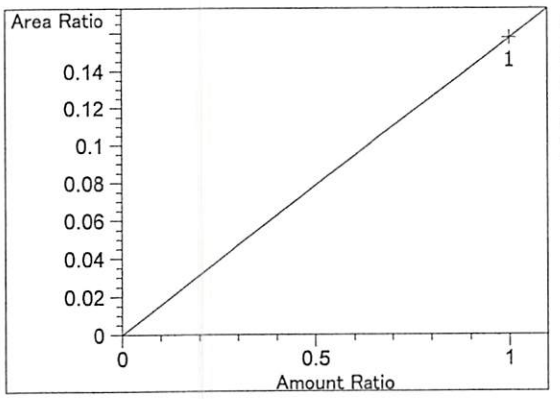
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99991
Residual Std. Dev.: 0.00623
Formula: y = mx + b
m: 2.23513
b: -1.28039e-2
x: Amount Ratio
y: Area Ratio



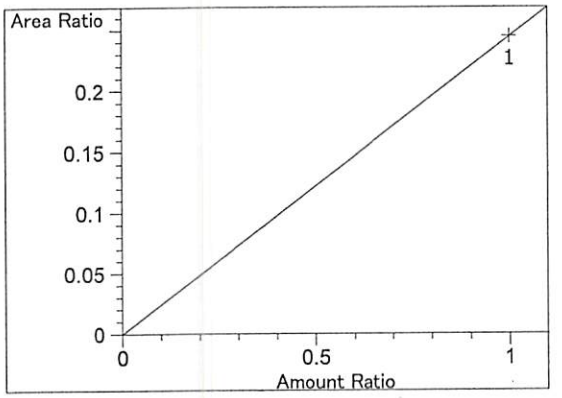
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.53401e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



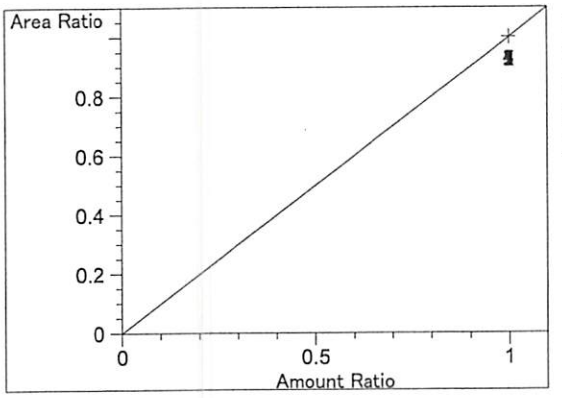
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.57553e-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: 2.44716e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

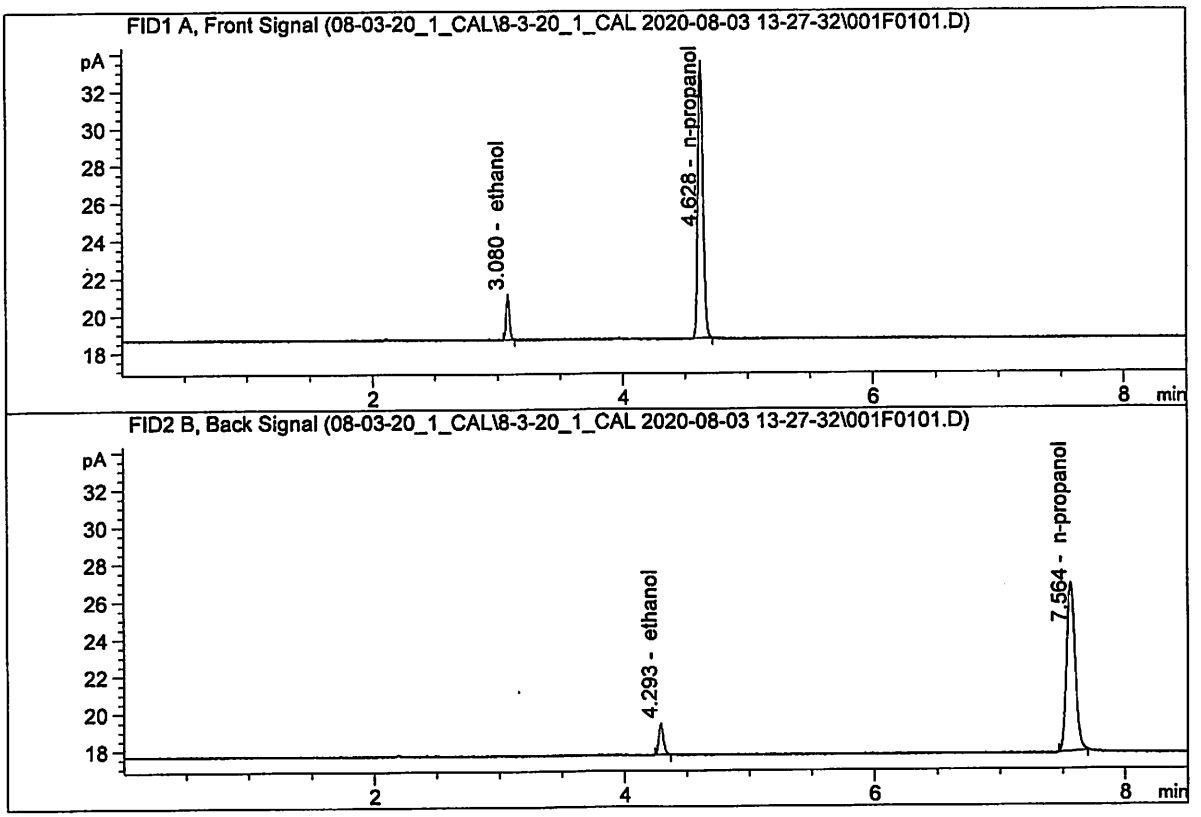


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

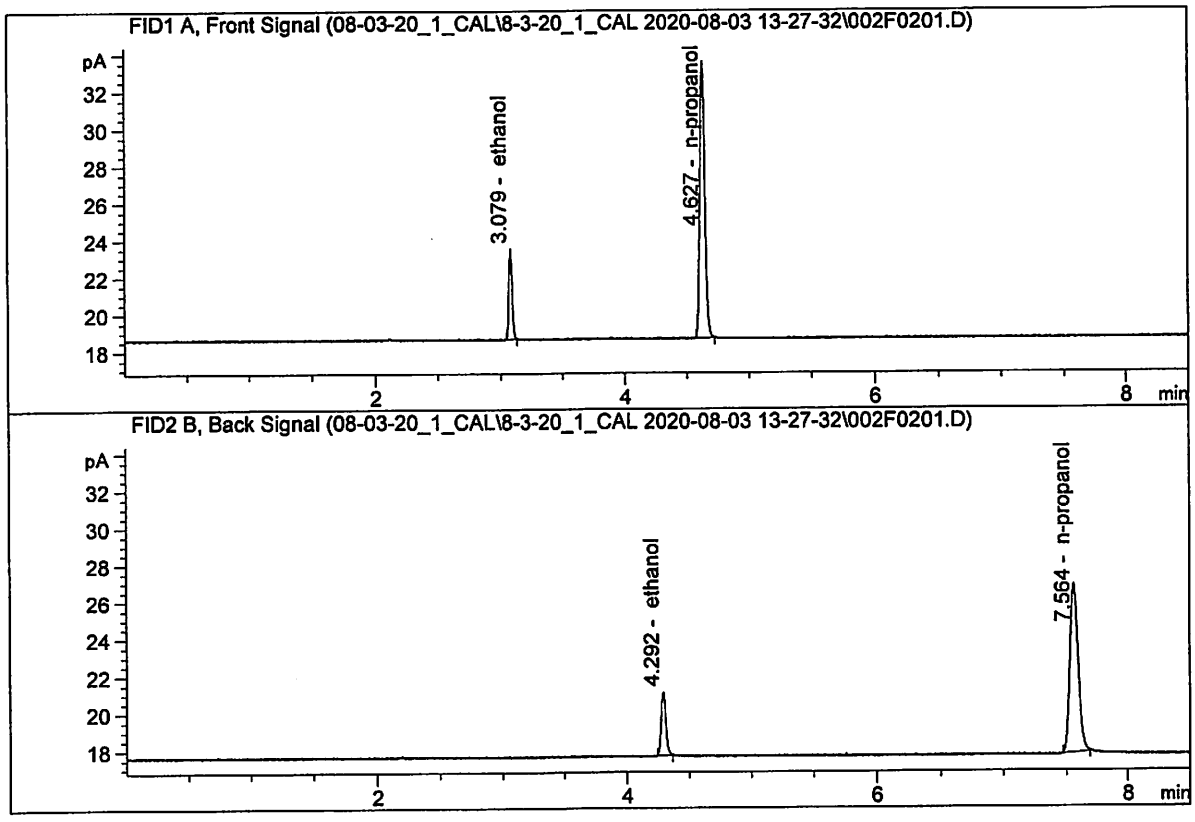
Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.43784	0.0508	g/100cc
2.	Ethanol	Column 2:	4.54595	0.0522	g/100cc
3.	n-Propanol	Column 1:	42.36873	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.75035	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

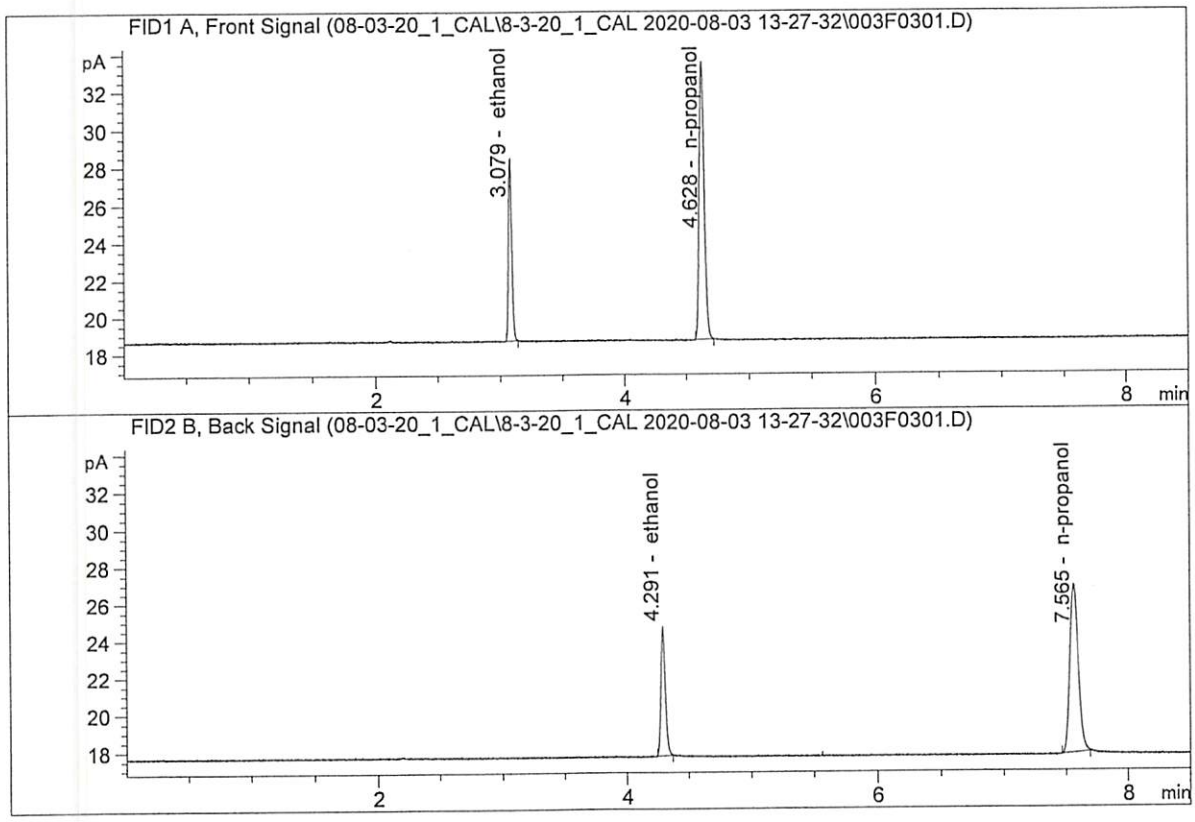


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.88982	0.0998	g/100cc
2.	Ethanol	Column 2:	9.20193	0.1005	g/100cc
3.	n-Propanol	Column 1:	42.39096	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.43819	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

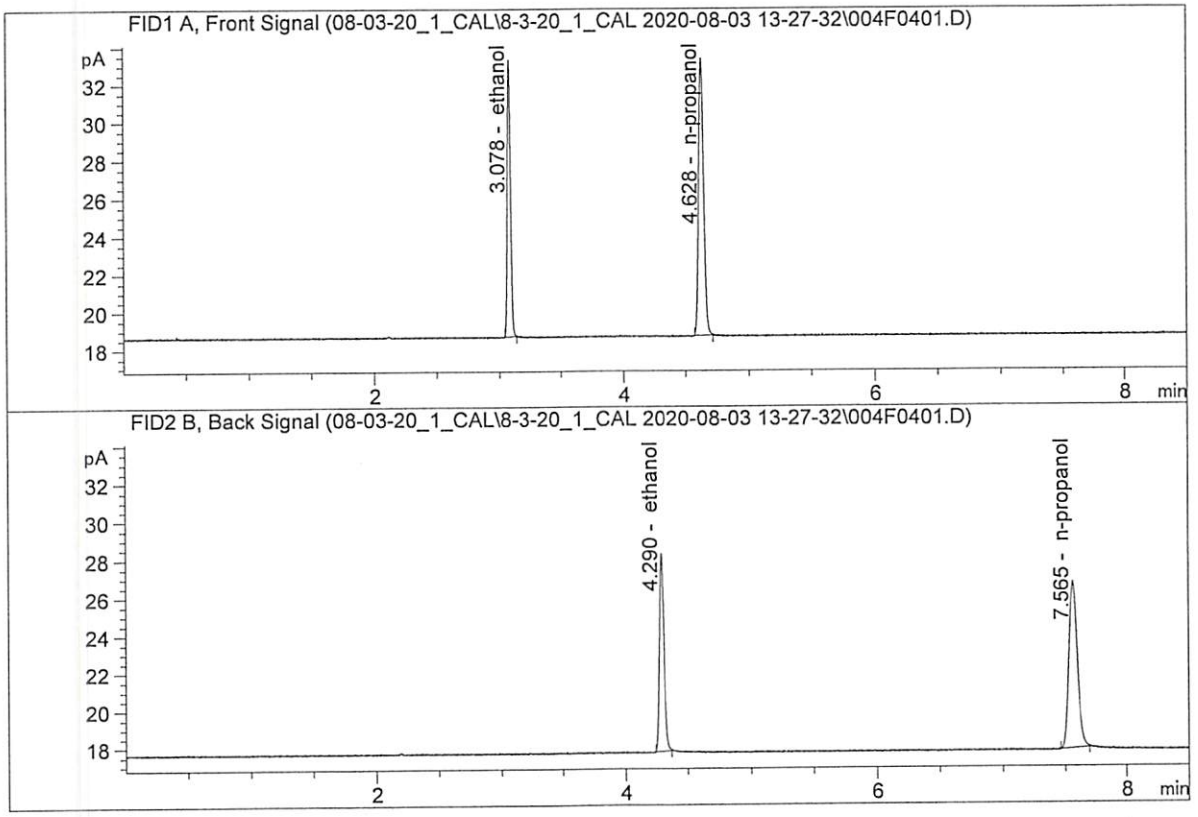


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.86740	0.1990	g/100cc
2.	Ethanol	Column 2:	18.65465	0.1980	g/100cc
3.	n-Propanol	Column 1:	42.31837	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.41034	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

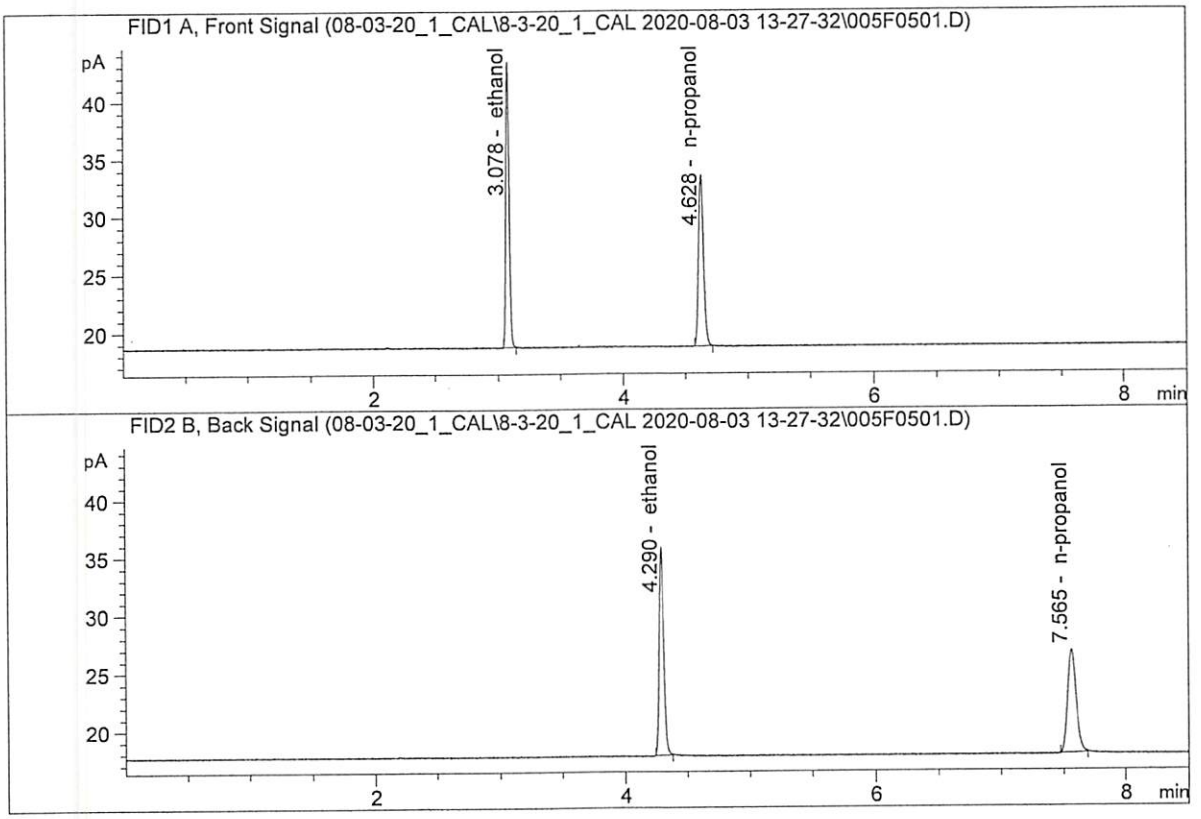


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.62480	0.3002	g/100cc
2.	Ethanol	Column 2:	27.84667	0.2970	g/100cc
3.	n-Propanol	Column 1:	41.66415	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.77103	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

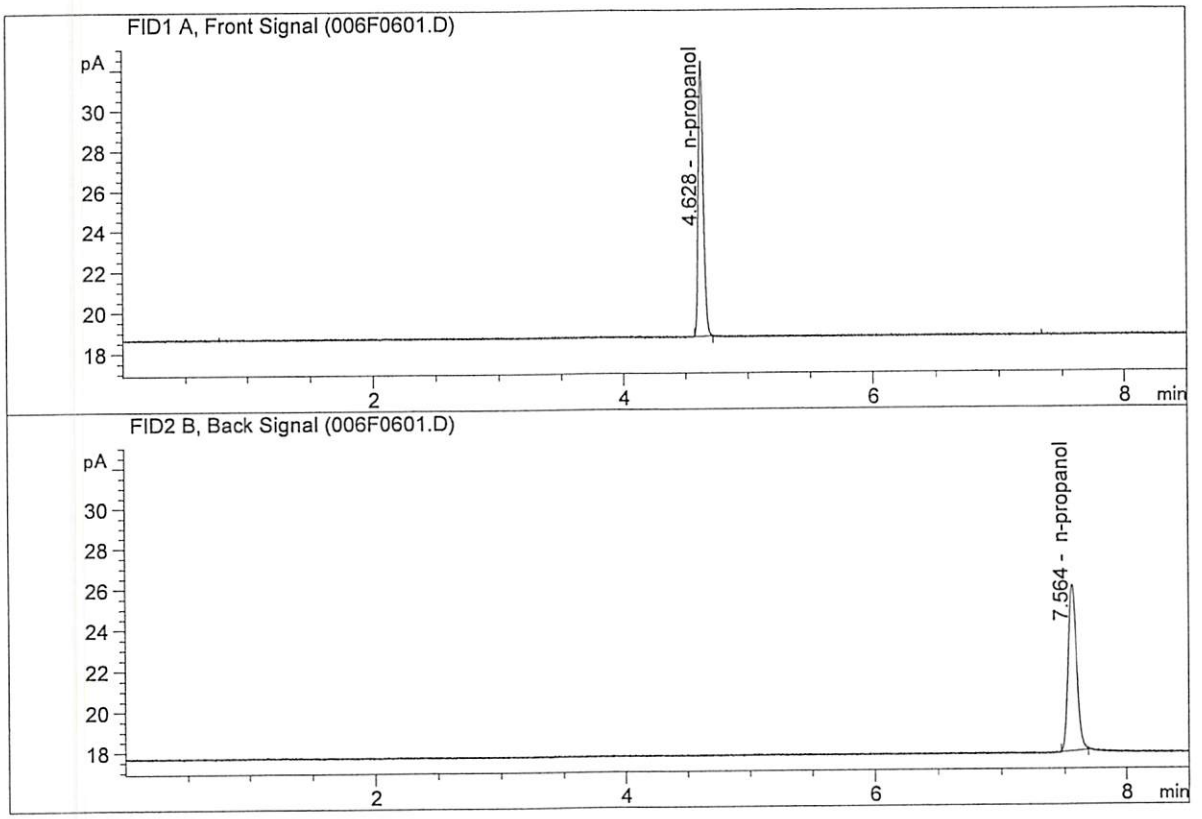
Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.75724	0.5003	g/100cc
2.	Ethanol	Column 2:	47.41045	0.5023	g/100cc
3.	n-Propanol	Column 1:	41.91922	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.71841	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Aug 3, 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:	38.62105	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.37968	1.0000	g/100cc

Sample Summary

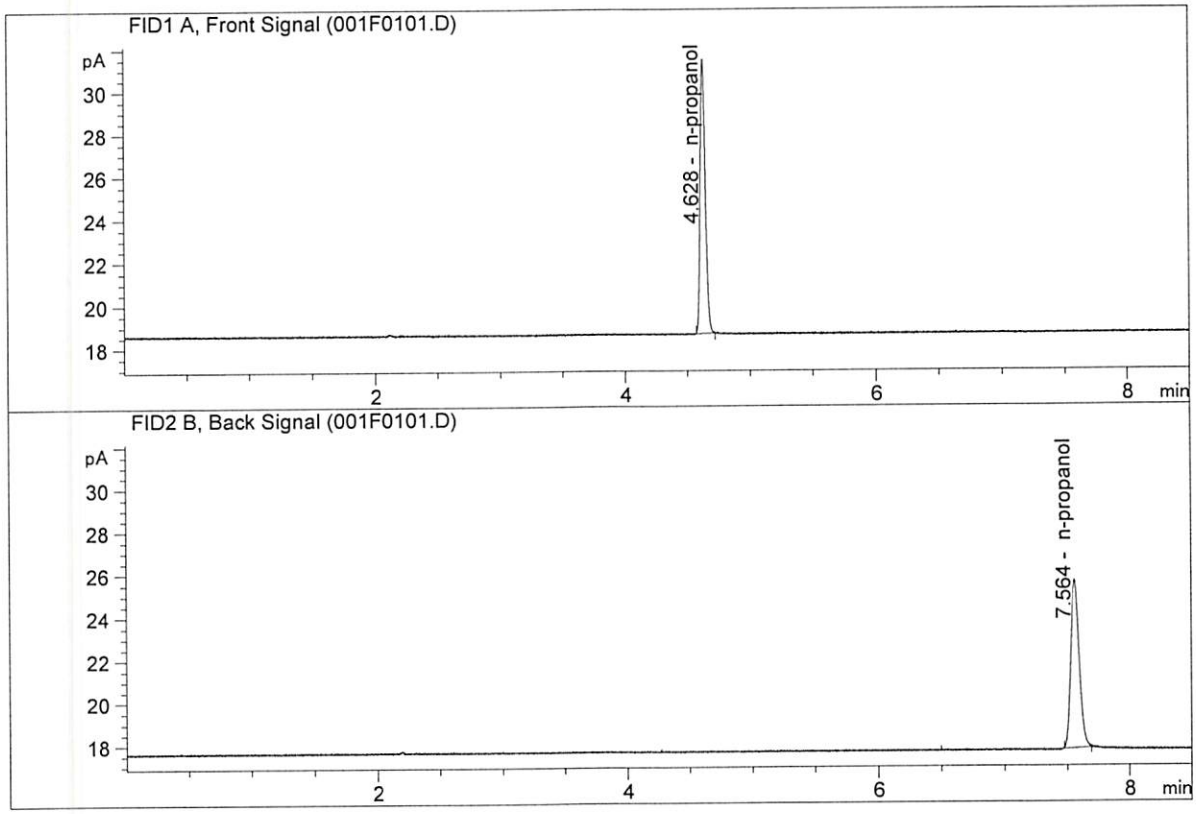
Sequence table: C:\Chem32\1\Data\08-03-20_1_CAL\8-3-20_1_CAL 2020-08-03 13-27-32\8-3-20_1_CAL.S
Data directory path: C:\Chem32\1\Data\08-03-20_1_CAL\8-3-20_1_CAL 2020-08-03 13-27-32\
Logbook: C:\Chem32\1\Data\08-03-20_1_CAL\8-3-20_1_CAL 2020-08-03 13-27-32\8-3-20_1_CAL.LOG
Sequence start: 8/3/2020 1:42:10 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-03-20_1_CAL\8-3-20_1_CAL 2020-08-03 13-27-32\ALCOHOL.

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

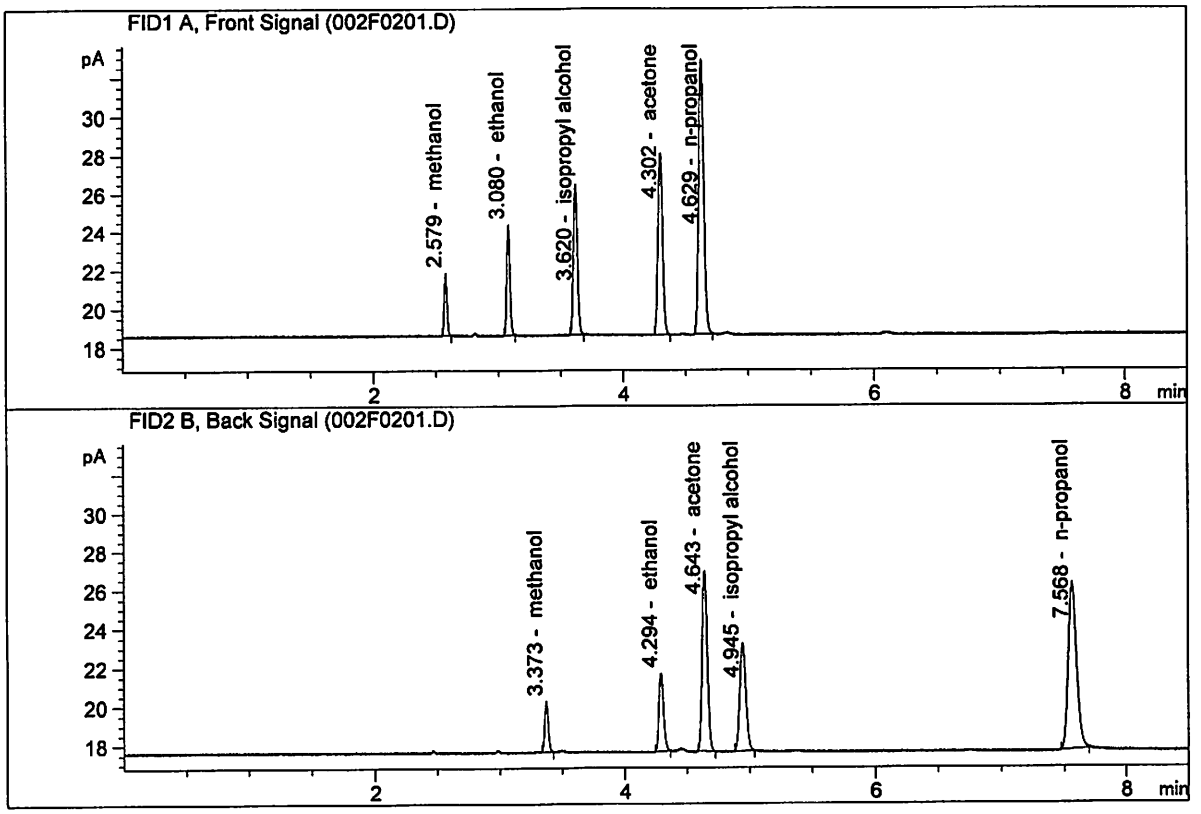
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	36.50306	1.0000	g/100cc
4.	n-Propanol	Column 2:	37.82343	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.20575	0.1207	g/100cc
2.	Ethanol	Column 2:	10.57364	0.1204	g/100cc
3.	n-Propanol	Column 1:	40.10540	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.25536	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 10 Aug 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0738	0.0745	0.0007	0.0741	0.0001	0.0740
(g/100cc)	0.0735	0.0745	0.0010	0.0740		

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%**

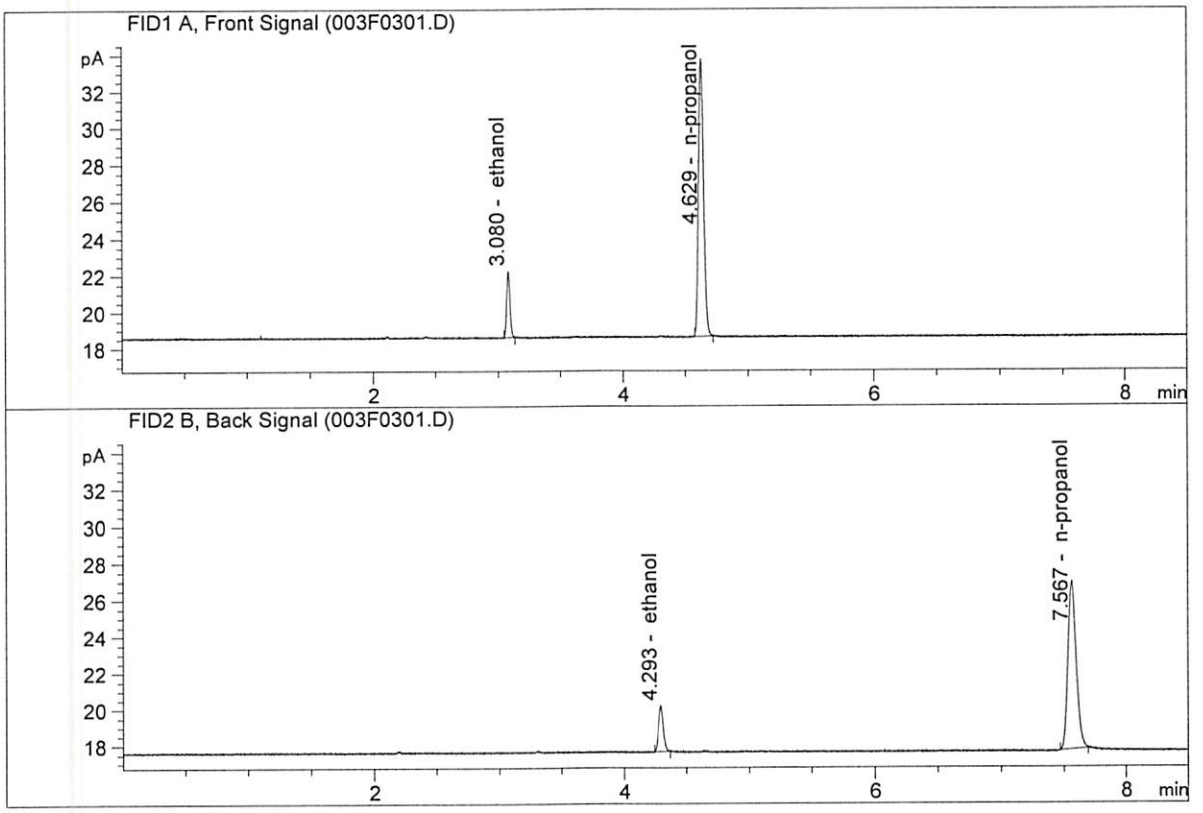
Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	0.070	0.078	0.004

Reported Result
0.074

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

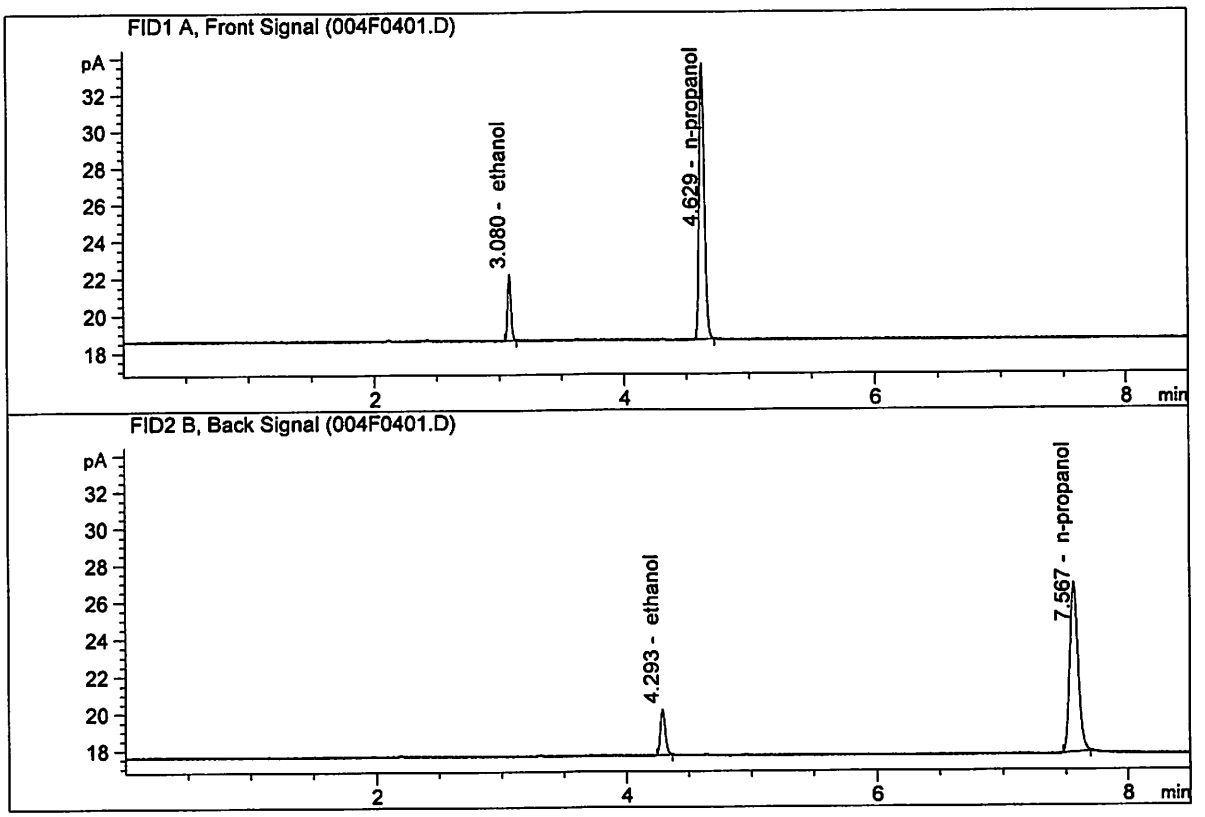
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.63700	0.0738	g/100cc
2.	Ethanol	Column 2:	6.82154	0.0745	g/100cc
3.	n-Propanol	Column 1:	43.11141	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.36721	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.55979	0.0735	g/100cc
2.	Ethanol	Column 2:	6.75564	0.0745	g/100cc
3.	n-Propanol	Column 1:	42.77480	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.94959	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 10 Aug 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0757	0.0764	0.0007	0.0760	0.0003	0.0758
(g/100cc)	0.0756	0.0758	0.0002	0.0757		

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%**

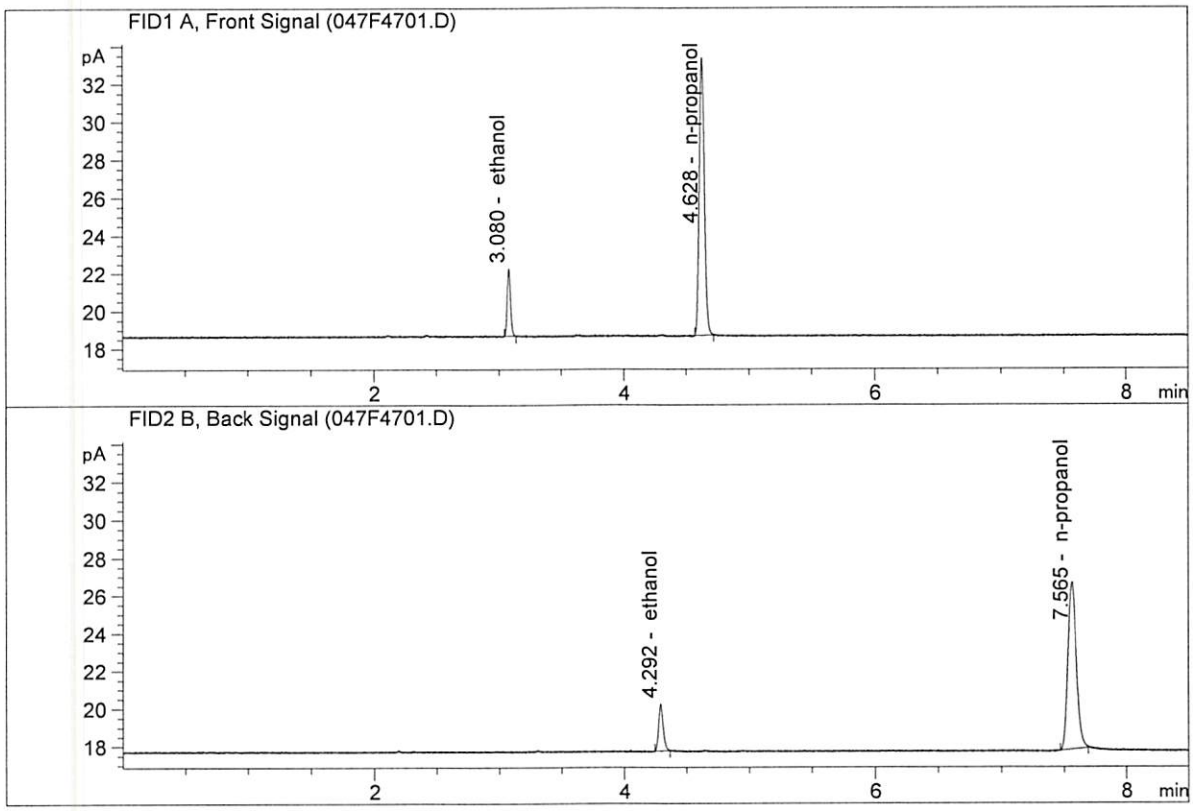
Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	0.071	0.079	0.004

	Reported Result	
	0.075	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

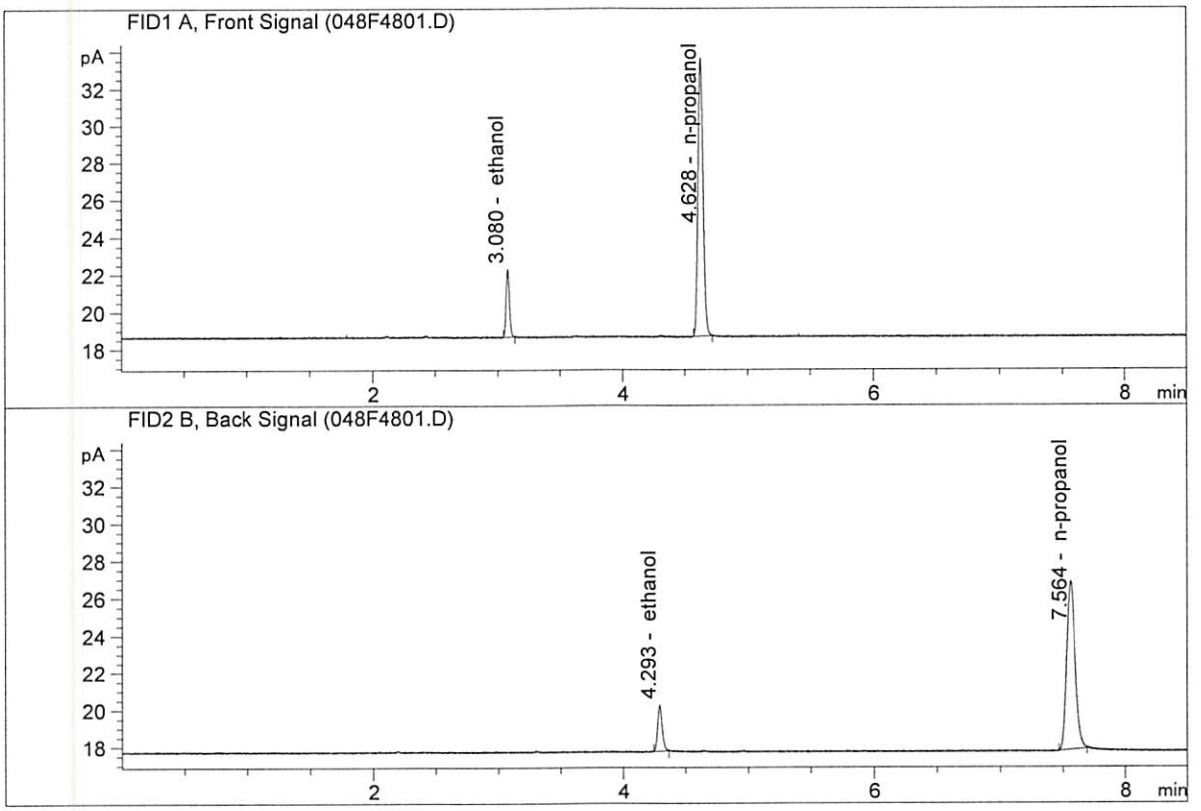
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.59713	0.0757	g/100cc
2.	Ethanol	Column 2:	6.74323	0.0764	g/100cc
3.	n-Propanol	Column 1:	41.75288	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.68010	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.69852	0.0756	g/100cc
2.	Ethanol	Column 2:	6.80259	0.0758	g/100cc
3.	n-Propanol	Column 1:	42.42254	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.41660	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 10 Aug 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results (g/100cc)	0.2031	0.2030	0.0001	0.2030	0.0003	0.2031
	0.2036	0.2030	0.0006	0.2033		

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%**

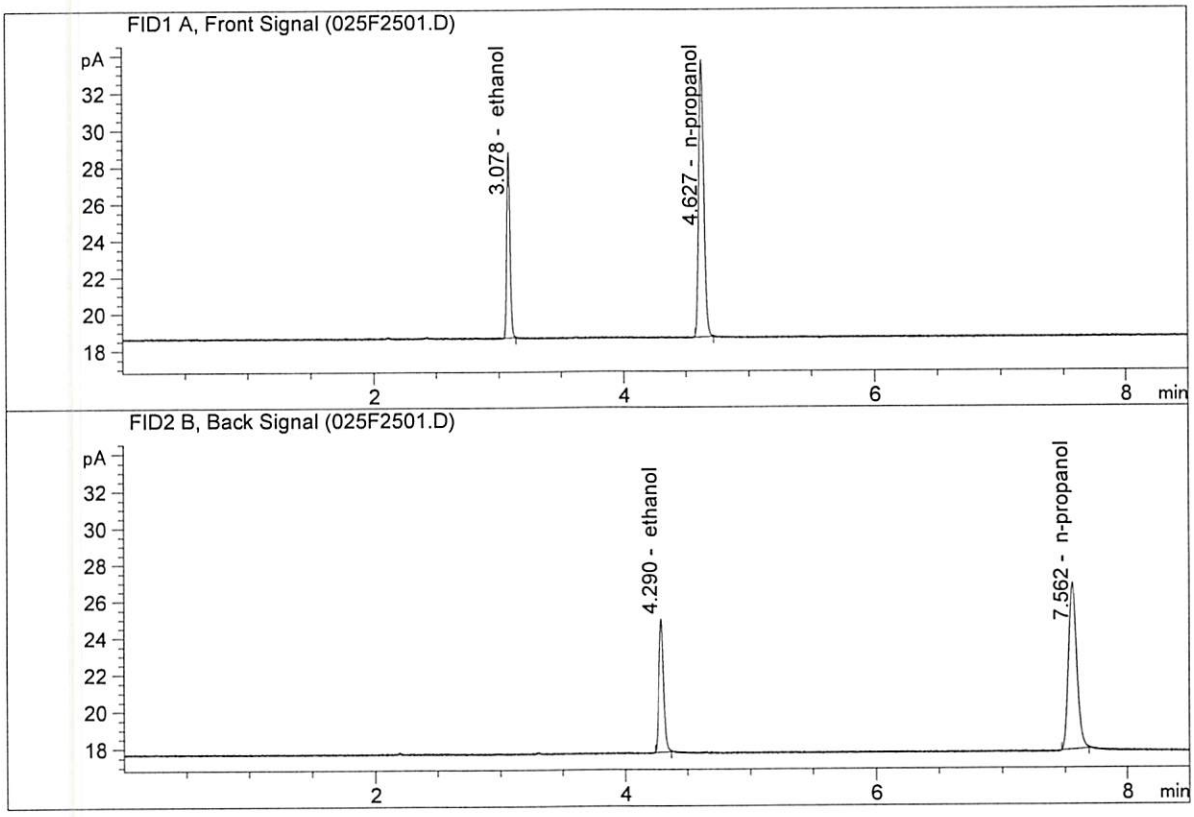
Overall Mean (g/100cc)	Low	High	5% of Mean
0.203	0.192	0.214	0.011

	Reported Result	
	0.203	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

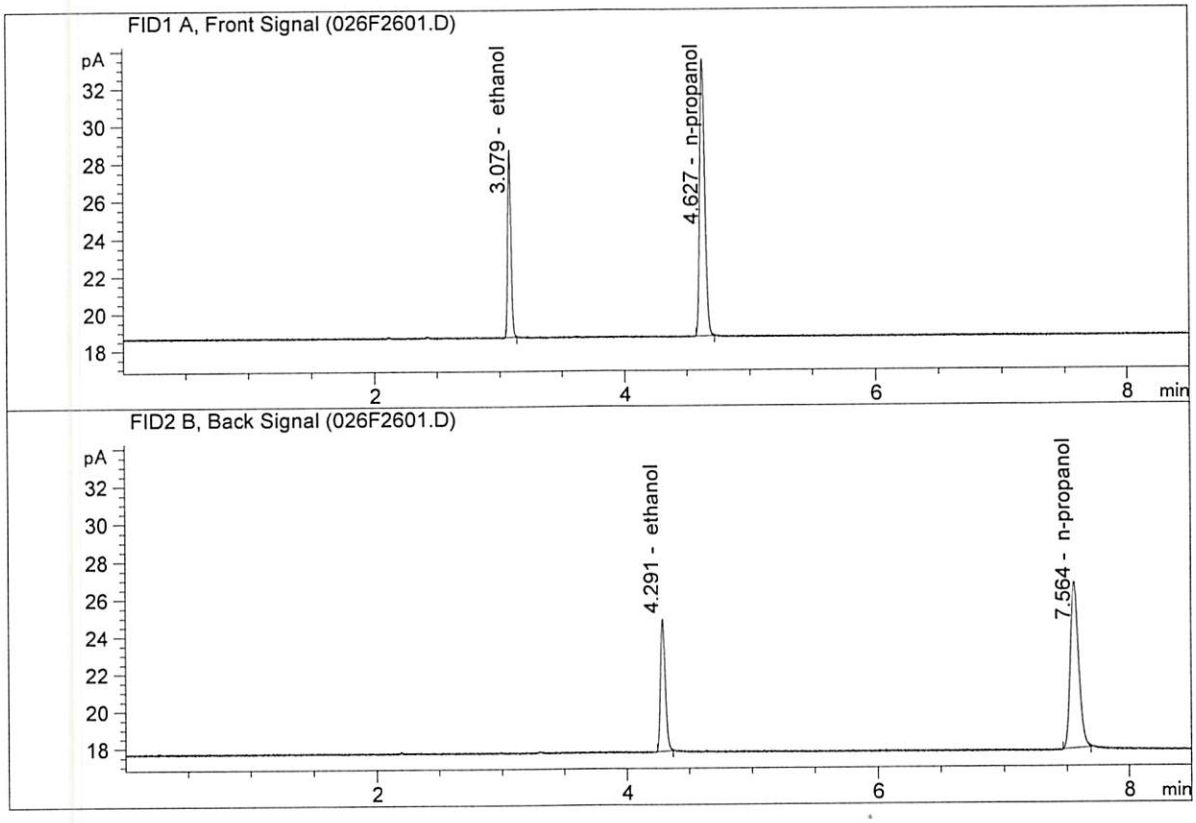
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.37226	0.2031	g/100cc
2.	Ethanol	Column 2:	19.17635	0.2030	g/100cc
3.	n-Propanol	Column 1:	42.62234	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.49827	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.16989	0.2036	g/100cc
2.	Ethanol	Column 2:	18.90107	0.2030	g/100cc
3.	n-Propanol	Column 1:	42.04828	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.85883	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 10 Aug 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1994	0.1985	0.0009	0.1989	0.0023	0.2001
(g/100cc)	0.2018	0.2007	0.0011	0.2012		

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%**

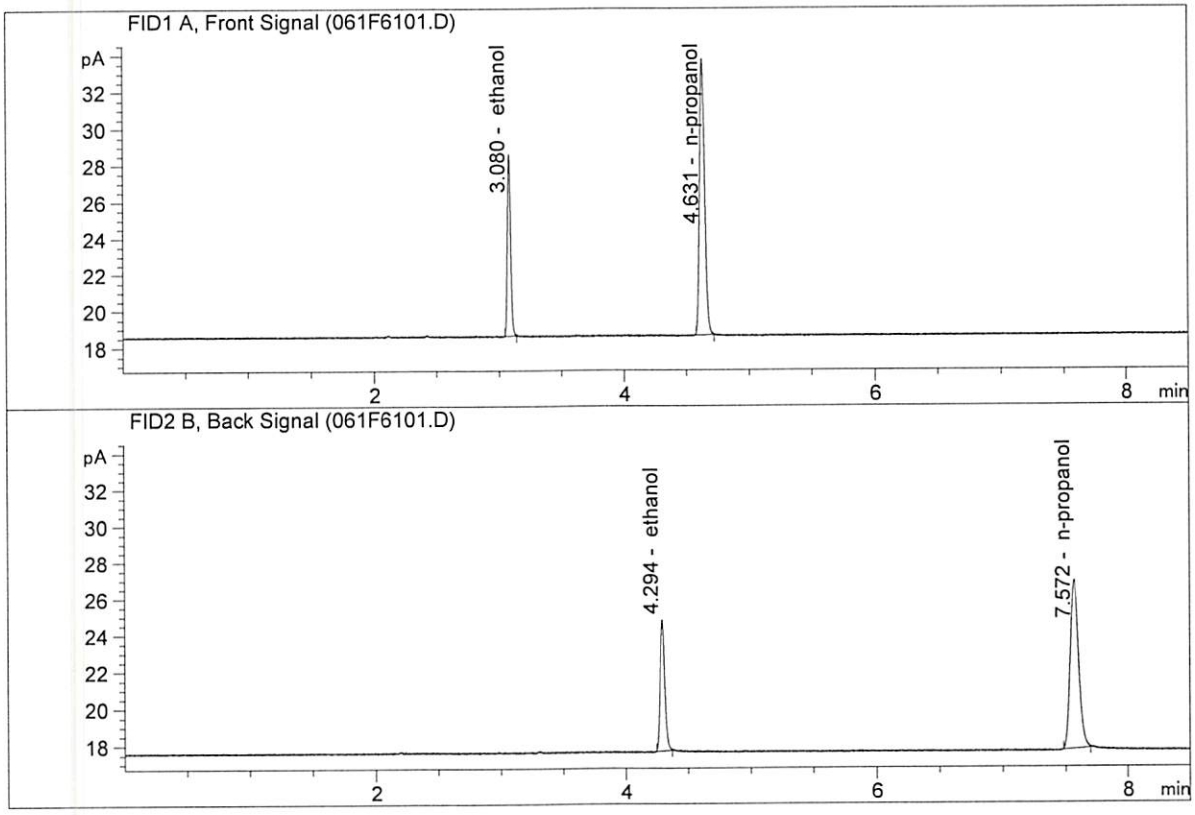
Overall Mean (g/100cc)	Low	High	5% of Mean
0.200	0.190	0.210	0.010

	Reported Result	
	0.200	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

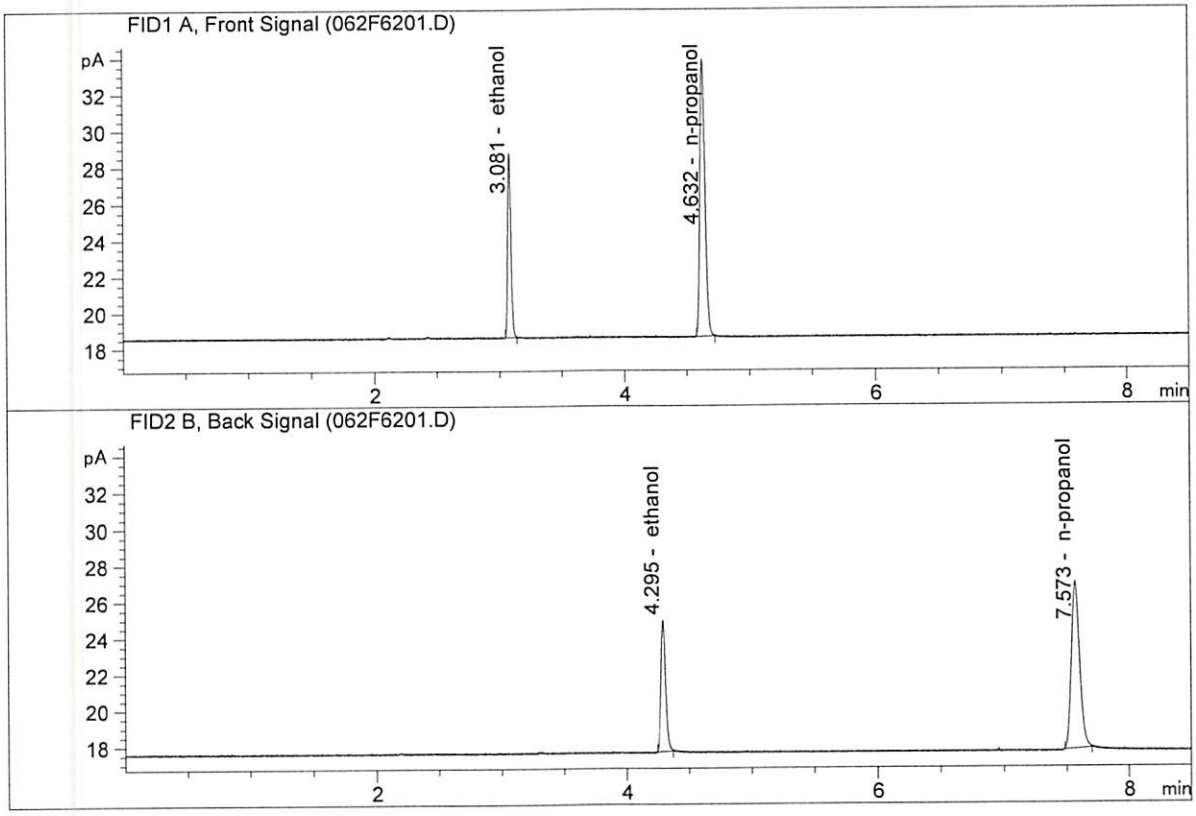


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.25272	0.1994	g/100cc
2.	Ethanol	Column 2:	18.98106	0.1985	g/100cc
3.	n-Propanol	Column 1:	43.14283	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.05954	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.56344	0.2018	g/100cc
2.	Ethanol	Column 2:	19.30545	0.2007	g/100cc
3.	n-Propanol	Column 1:	43.34394	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.30171	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 10 Aug 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0810	0.0818	0.0008	0.0814	0.0008	0.0810
(g/100cc)	0.0804	0.0809	0.0005	0.0806		

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%**

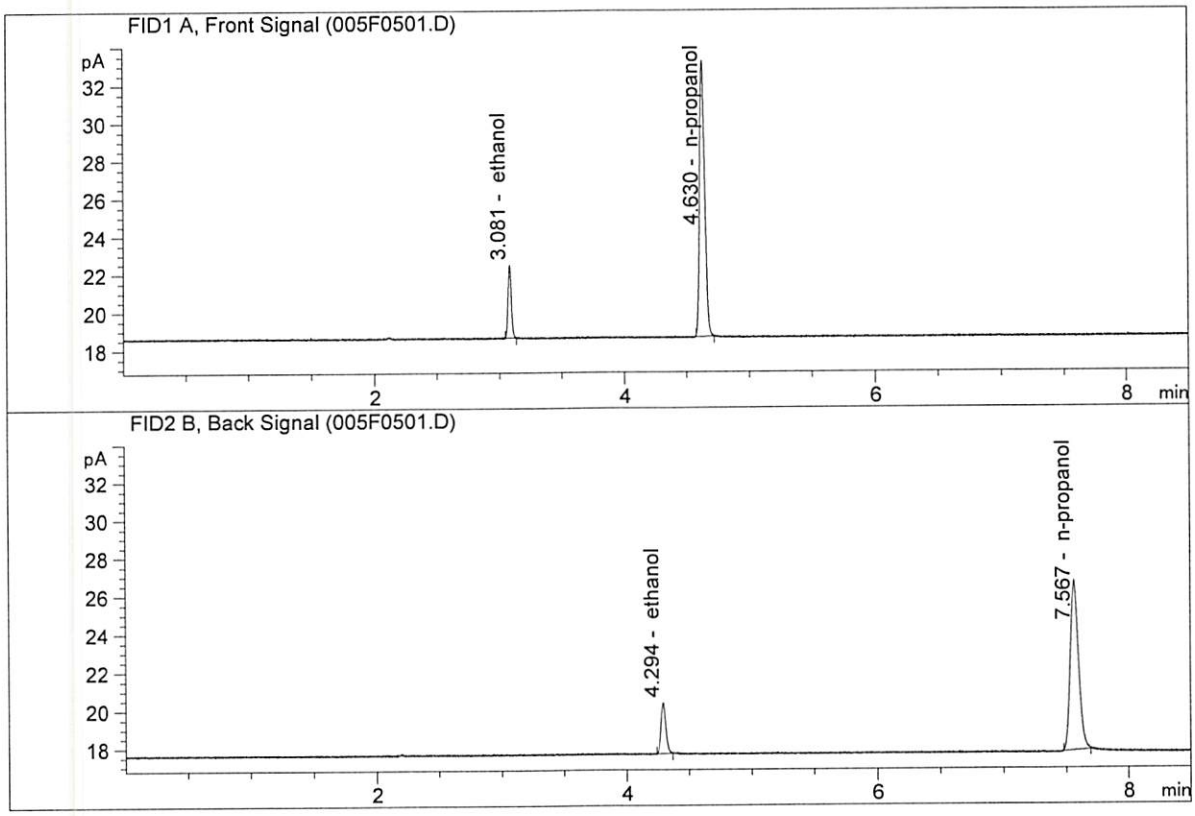
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

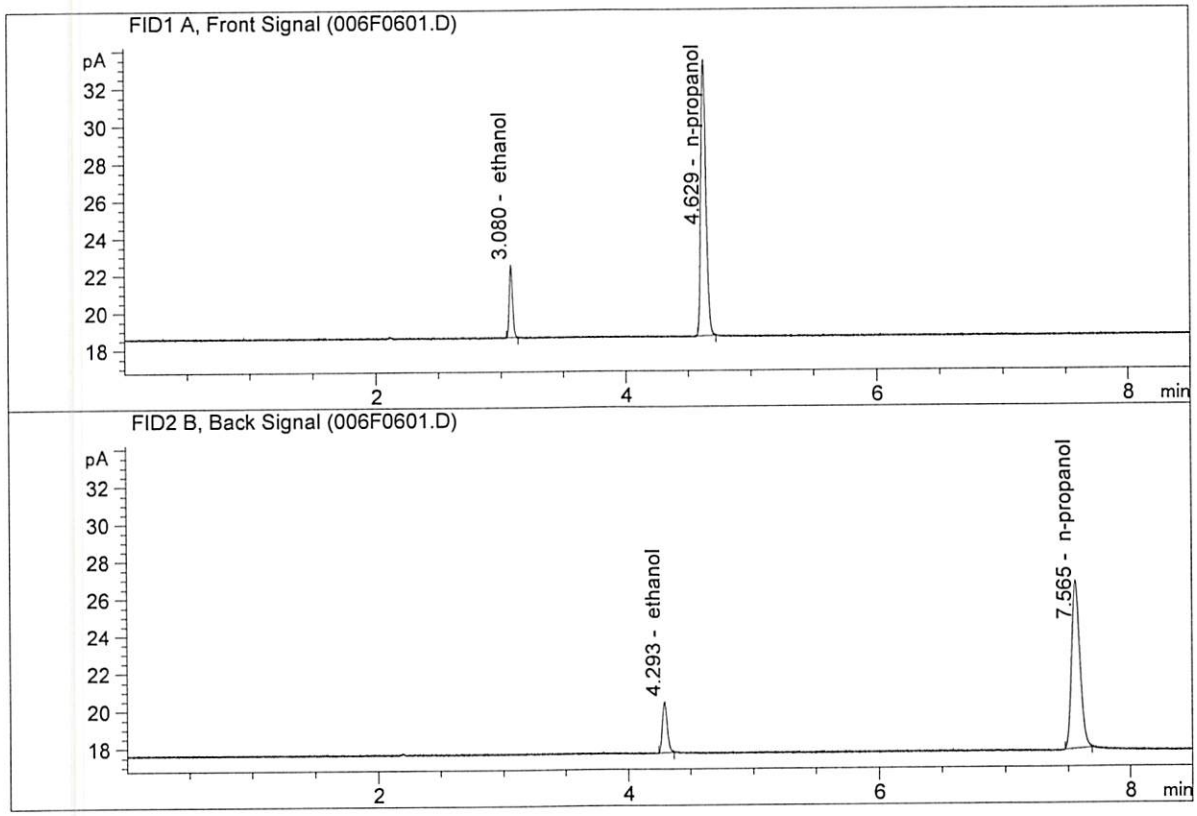
Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.03402	0.0810	g/100cc
2.	Ethanol	Column 2:	7.22993	0.0818	g/100cc
3.	n-Propanol	Column 1:	41.53439	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.51258	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

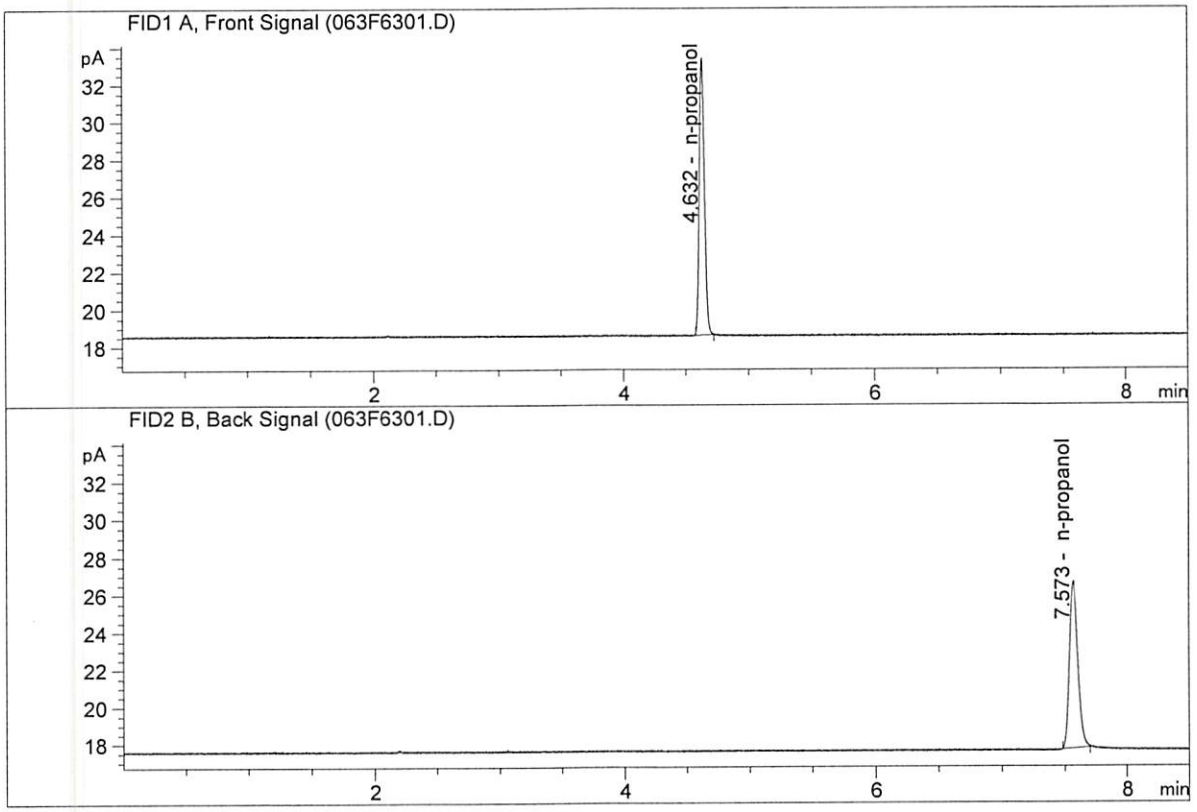
Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Aug 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.10126	0.0804	g/100cc
2.	Ethanol	Column 2:	7.26255	0.0809	g/100cc
3.	n-Propanol	Column 1:	42.22179	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.21739	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Aug 10, 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:	42.09675	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.06343	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\Data\08-10-20_SAMPLES\08-10-20_SAMPLES 2020-08-10 11-46-28\08-10-20_SAMPLES.S
Data directory path: C:\Chem32\1\Data\08-10-20_SAMPLES\08-10-20_SAMPLES 2020-08-10 11-46-28\
Logbook: C:\Chem32\1\Data\08-10-20_SAMPLES\08-10-20_SAMPLES 2020-08-10 11-46-28\08-10-20_SAMPLES.LOG
Sequence start: 8/10/2020 12:01:13 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-10-20_SAMPLES\08-10-20_SAMPLES 2020-08-10 11-46-28\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	M2020-2942-1-A	-	1.0000	007F0701.D		4
8	8	1	M2020-2942-1-B	-	1.0000	008F0801.D		4
9	9	1	M2020-2974-1-A	-	1.0000	009F0901.D		4
10	10	1	M2020-2974-1-B	-	1.0000	010F1001.D		4
11	11	1	M2020-2985-2-A	-	1.0000	011F1101.D		4
12	12	1	M2020-2985-2-B	-	1.0000	012F1201.D		4
13	13	1	M2020-3007-1-A	-	1.0000	013F1301.D		4
14	14	1	M2020-3007-1-B	-	1.0000	014F1401.D		4
15	15	1	M2020-3014-1-A	-	1.0000	015F1501.D		4
16	16	1	M2020-3014-1-B	-	1.0000	016F1601.D		4
17	17	1	M2020-3032-1-A	-	1.0000	017F1701.D		4
18	18	1	M2020-3032-1-B	-	1.0000	018F1801.D		4
19	19	1	M2020-3033-1-A	-	1.0000	019F1901.D		4
20	20	1	M2020-3033-1-B	-	1.0000	020F2001.D		4
21	21	1	M2020-3034-1-A	-	1.0000	021F2101.D		4
22	22	1	M2020-3034-1-B	-	1.0000	022F2201.D		4
23	23	1	M2020-3035-1-A	-	1.0000	023F2301.D		4
24	24	1	M2020-3035-1-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	M2020-3036-1-A	-	1.0000	027F2701.D		2
28	28	1	M2020-~~2036~~-1-B 3036 08/11/20	-	1.0000	028F2801.D		2
29	29	1	M2020-~~2037~~-1-A 3037 08/11/20	-	1.0000	029F2901.D		2
30	30	1	M2020-~~2037~~-1-B 3037 -08/11/20	-	1.0000	030F3001.D		2
31	31	1	P2020-2303-1-A	-	1.0000	031F3101.D		4
32	32	1	P2020-2303-1-B	-	1.0000	032F3201.D		4
33	33	1	P2020-2309-1-A	-	1.0000	033F3301.D		4
34	34	1	P2020-2309-1-B	-	1.0000	034F3401.D		4
35	35	1	P2020-2310-1-A	-	1.0000	035F3501.D		2
36	36	1	P2020-2310-1-B	-	1.0000	036F3601.D		2
37	37	1	P2020-2313-1-A	-	1.0000	037F3701.D		2
38	38	1	P2020-2313-1-B	-	1.0000	038F3801.D		2
39	39	1	P2020-2314-1-A	-	1.0000	039F3901.D		4
40	40	1	P2020-2314-1-B	-	1.0000	040F4001.D		4
41	41	1	P2020-2315-1-A	-	1.0000	041F4101.D		4
42	42	1	P2020-2315-1-B	-	1.0000	042F4201.D		4
43	43	1	P2020-2325-1-A	-	1.0000	043F4301.D		4

Sequence File C:\Chem32\...0_SAMPLES\08-10-20_SAMPLES 2020-08-10 11-46-28\08-10-20_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	P2020-2325-1-B	-	1.0000	044F4401.D	4
45	45	1	P2020-2333-1-A	-	1.0000	045F4501.D	4
46	46	1	P2020-2333-1-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	P2020-2336-1-A	-	1.0000	049F4901.D	4
50	50	1	P2020-2336-1-B	-	1.0000	050F5001.D	4
51	51	1	P2020-2338-1-A	-	1.0000	051F5101.D	2
52	52	1	P2020-2338-1-B	-	1.0000	052F5201.D	2
53	53	1	P2020-2347-1-A	-	1.0000	053F5301.D	4
54	54	1	P2020-2347-1-B	-	1.0000	054F5401.D	4
55	55	1	P2020-2348-1-A	-	1.0000	055F5501.D	4
56	56	1	P2020-2348-1-B	-	1.0000	056F5601.D	4
57	57	1	P2020-2349-1-A	-	1.0000	057F5701.D	4
58	58	1	P2020-2349-1-B	-	1.0000	058F5801.D	4
59	59	1	P2020-2374-1-A	-	1.0000	059F5901.D	4
60	60	1	P2020-2374-1-B	-	1.0000	060F6001.D	4
61	61	1	QC2-2-A	-	1.0000	061F6101.D	4
62	62	1	QC2-2-B	-	1.0000	062F6201.D	4
63	63	1	INTERNAL STD BLK	-	1.0000	063F6301.D	2

Method file name: C:\Chem32\1\Data\08-10-20_SAMPLES\08-10-20_SAMPLES 2020-08-10 11-46-28 \SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
64	64	1	EMPTY	-	1.0000	064F6401.D	0