Worklist: 4087

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-0901	1	BCK	Alcohol Analysis
M2020-0920	1	BCK	Alcohol Analysis
M2020-0931	1	BCK	Alcohol Analysis
M2020-0934	1	BCK	Alcohol Analysis
M2020-0935	1	BCK	Alcohol Analysis
M2020-0942	1	BCK	Alcohol Analysis
M2020-0944	1	BCK	Alcohol Analysis
M2020-0945	1	BCK	Alcohol Analysis
M2020-0946	1	BCK	Alcohol Analysis
M2020-0968	1	BCK	Alcohol Analysis
M2020-0981	2	BCK	Alcohol Analysis
M2020-0991	1	BCK	Alcohol Analysis
M2020-1011	1	BCK	Alcohol Analysis
M2020-1028	1	BCK	Alcohol Analysis
M2020-1029	1	BCK	Alcohol Analysis
M2020-1046	1	BCK	Alcohol Analysis
M2020-1047	1	BCK	Alcohol Analysis
M2020-1053	1	BCK	Alcohol Analysis
P2020-0748	2	BCK	Alcohol Analysis
P2020-0748	3	BCK	Alcohol Analysis
P2020-0781	1	UCK	Alcohol Analysis

REVIEWED
By Jeremy Johnston at 2:19 pm, Mar 17, 2020

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 03/16/2020**

Calibration Date: 03/09/2020

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0817 g/100cc
					0.0825 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1988 g/100cc
					0.1976 g/100cc
					g/100cc
Multi-Component mixture:			**Lot #**	FN06041502	OK
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	0.0503	0.0521	0.0018	0.0512
100	0.100	0.090 - 0.110	0.1000	0.0996	0.0004	0.0998
200	0.200	0.180 - 0.220	0.1994	0.1978	0.0016	0.1986
300	0.300	0.270 - 0.330	0.3001	0.2994	0.0007	0.2997
400	0.400	0.360 - 0.440				
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

Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

Calibration Table

General Calibration Setting

Calib. Data Modified : Monday, March 09, 2020 2:06:29 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	4.31291	1.15931e-2	No	No	1	ethanol
		2	1.00000e-1	8.49776	1.17678e-2				
		3	2.00000e-1	16.98152	1.17775e-2				
		4	3.00000e-1	25.86077	1.16006e-2				
		5	5.00000e-1	42.62834	1.17293e-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	4.44386	1.12515e-2	No	No	2	ethanol
		2	1.00000e-1	8.72996	1.14548e-2				
		3	2.00000e-1	17.63761	1.13394e-2				
		4	3.00000e-1	27.16859	1.10422e-2				
		5	5.00000e-1	45.02283	1.11055e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	42.76702	2.33825e-2	No	Yes	1	n-propanol
		2	1.00000	41.62719	2.40228e-2				
		3	1.00000	41.35635	2.41801e-2				
		4	1.00000	41.73225	2.39623e-2				
		5	1.00000	41.18416	2.42812e-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	44.35759	2.25441e-2	No	Yes	2	n-propanol
		2	1.00000	43.00843	2.32513e-2				
		3	1.00000	42.47480	2.35434e-2				
		4	1.00000	42.77183	2.33799e-2				
		5	1.00000	42.02367	2.37961e-2				

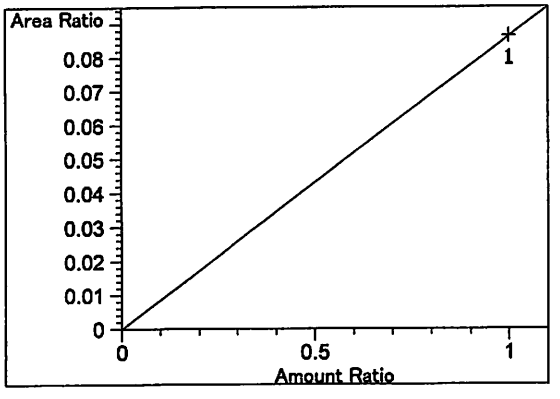
Peak Sum Table

No Entries in table

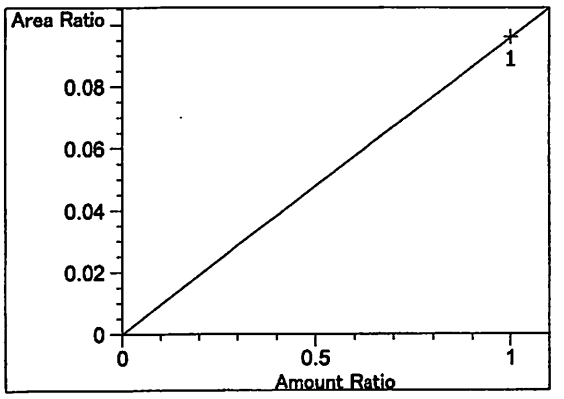
1 Warnings or Errors :

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

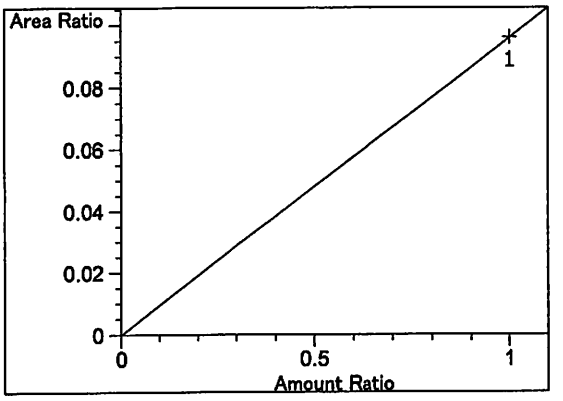
Calibration Curves



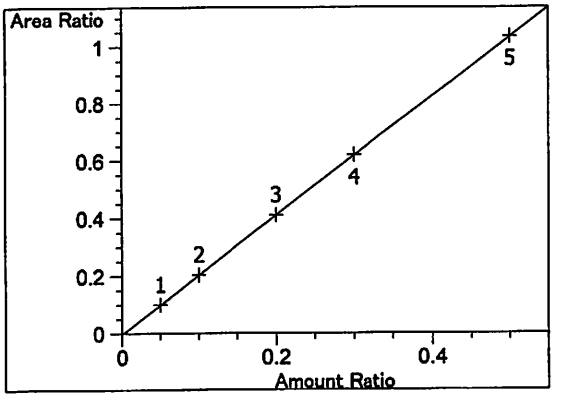
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.64380e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



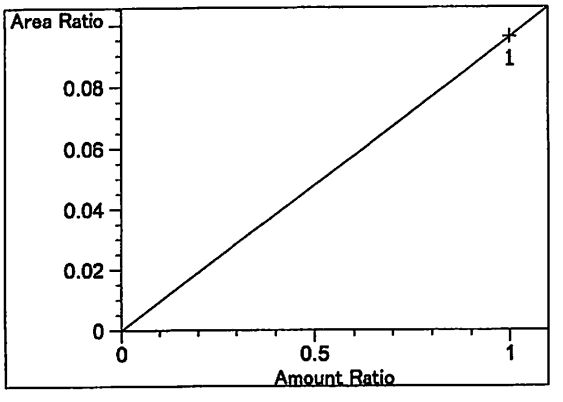
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.60602e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



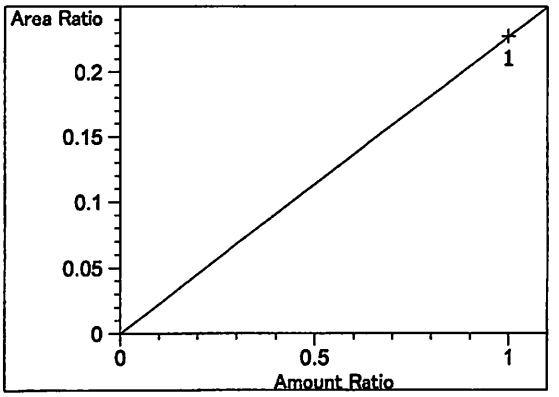
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.60602e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



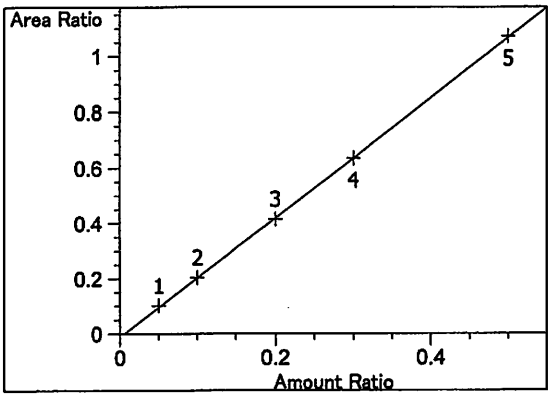
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00078
Formula: y = mx + b
m: 2.07685
b: -3.60534e-3
x: Amount Ratio
y: Area Ratio



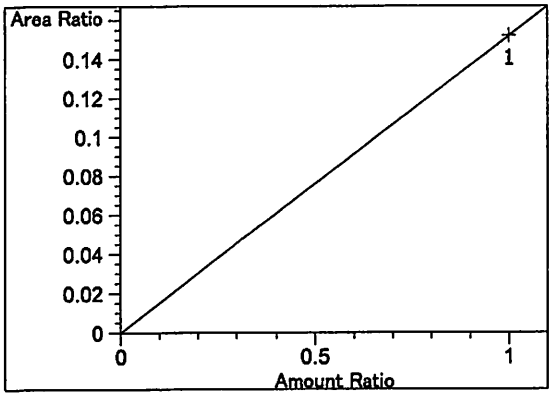
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.60518e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



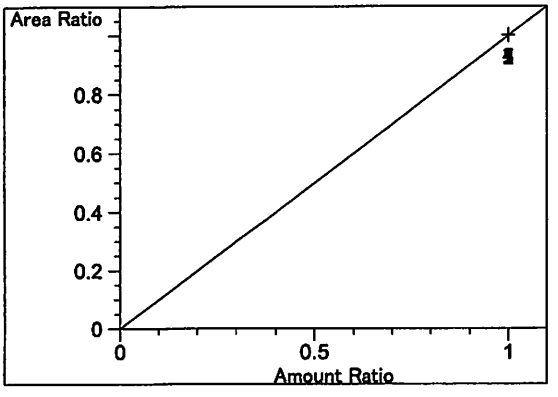
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.27525e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



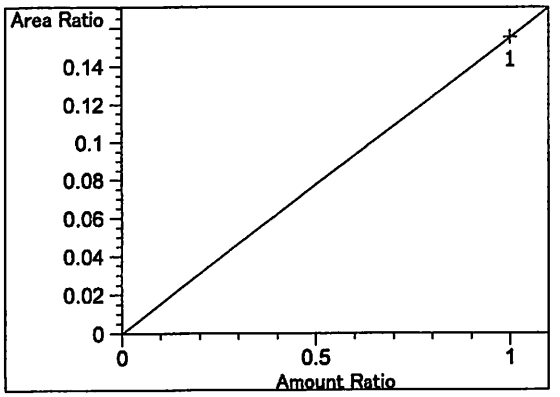
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99996
Residual Std. Dev.: 0.00416
Formula: y = mx + b
m: 2.16293
b: -1.24782e-2
x: Amount Ratio
y: Area Ratio



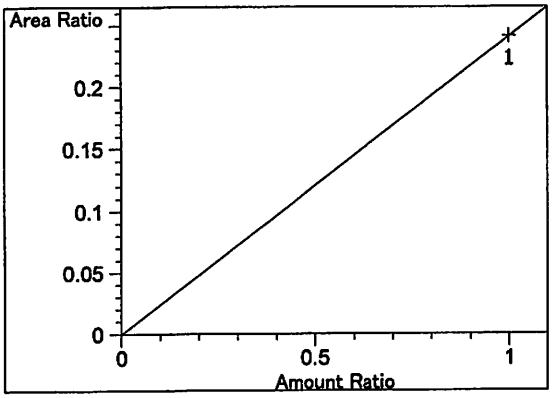
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.51972e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



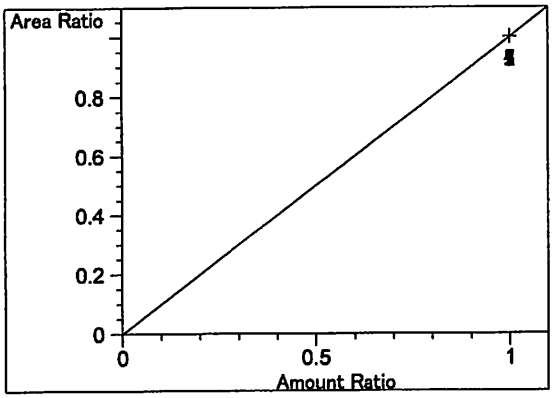
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.55396e-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: 2.41366e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

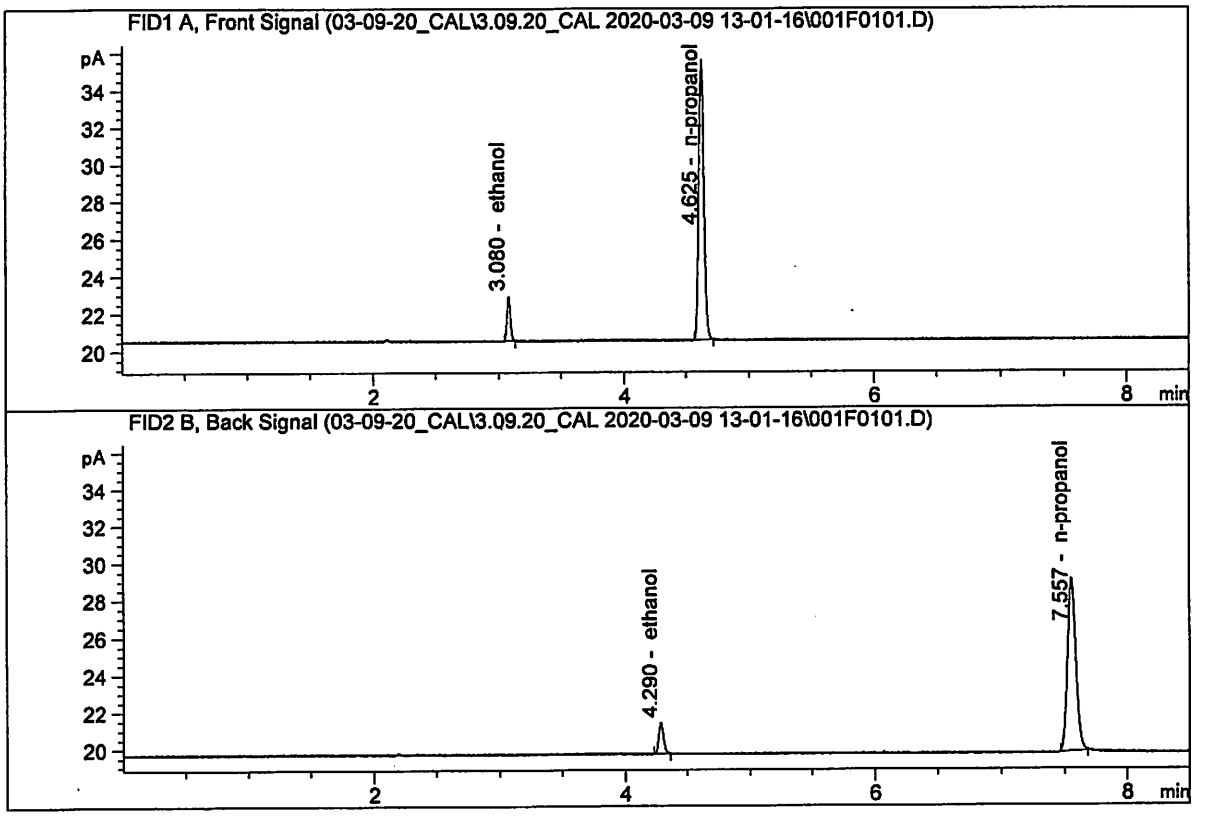


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

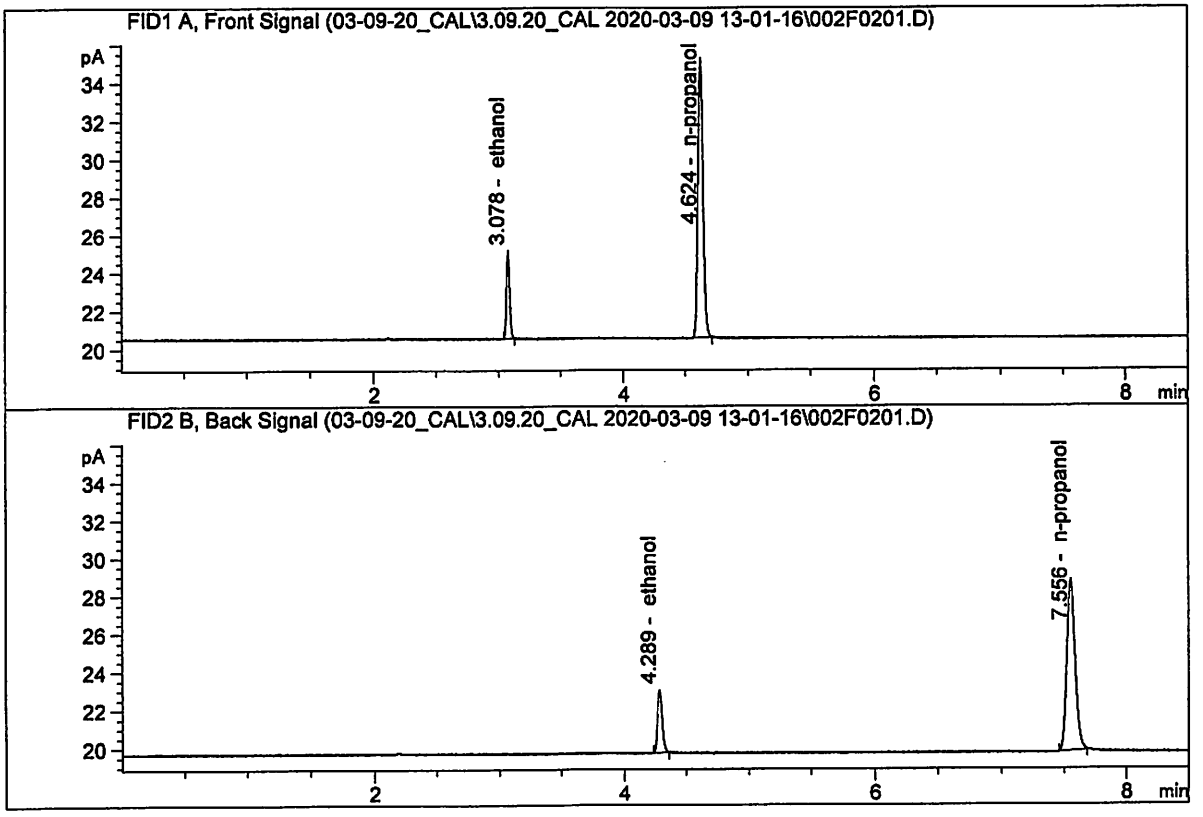
Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Mar 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.31291	0.0503	g/100cc
2.	Ethanol	Column 2:	4.44386	0.0521	g/100cc
3.	n-Propanol	Column 1:	42.76702	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.35759	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

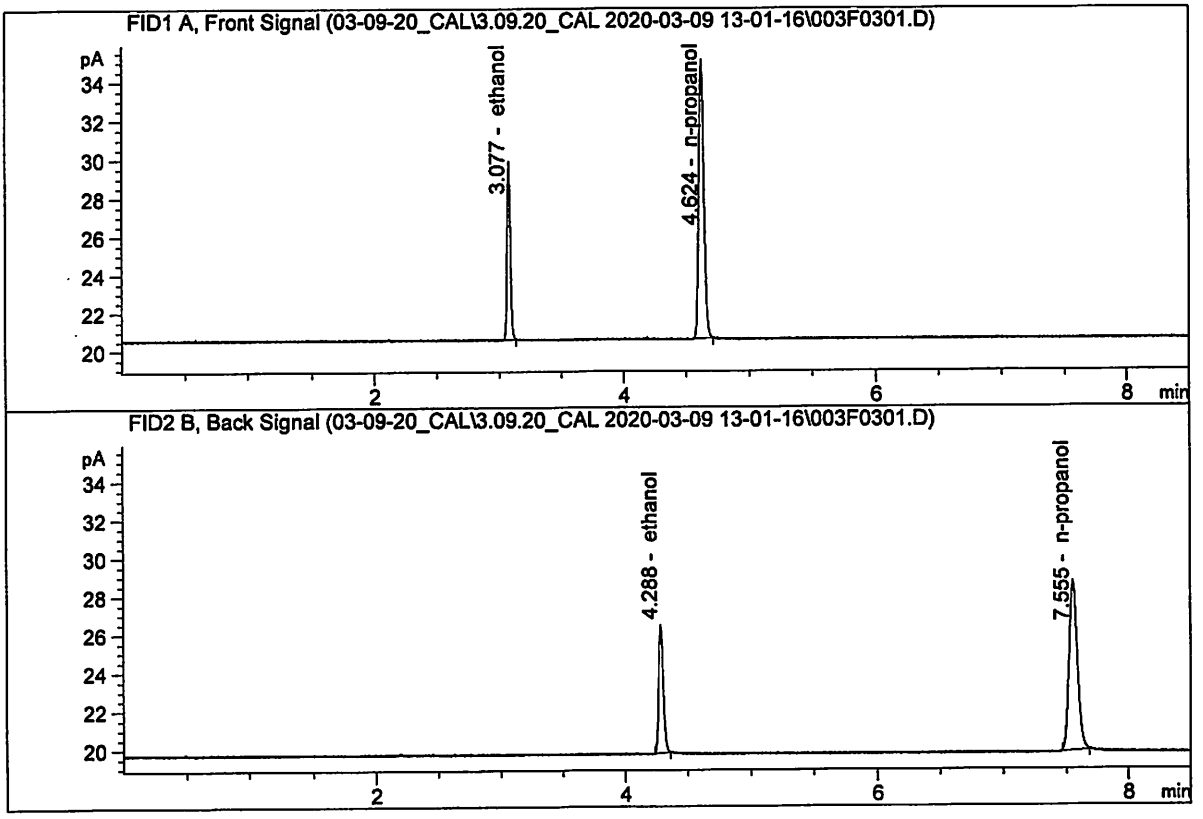
Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Mar 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.49776	0.1000	g/100cc
2.	Ethanol	Column 2:	8.72996	0.0996	g/100cc
3.	n-Propanol	Column 1:	41.62719	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.00843	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

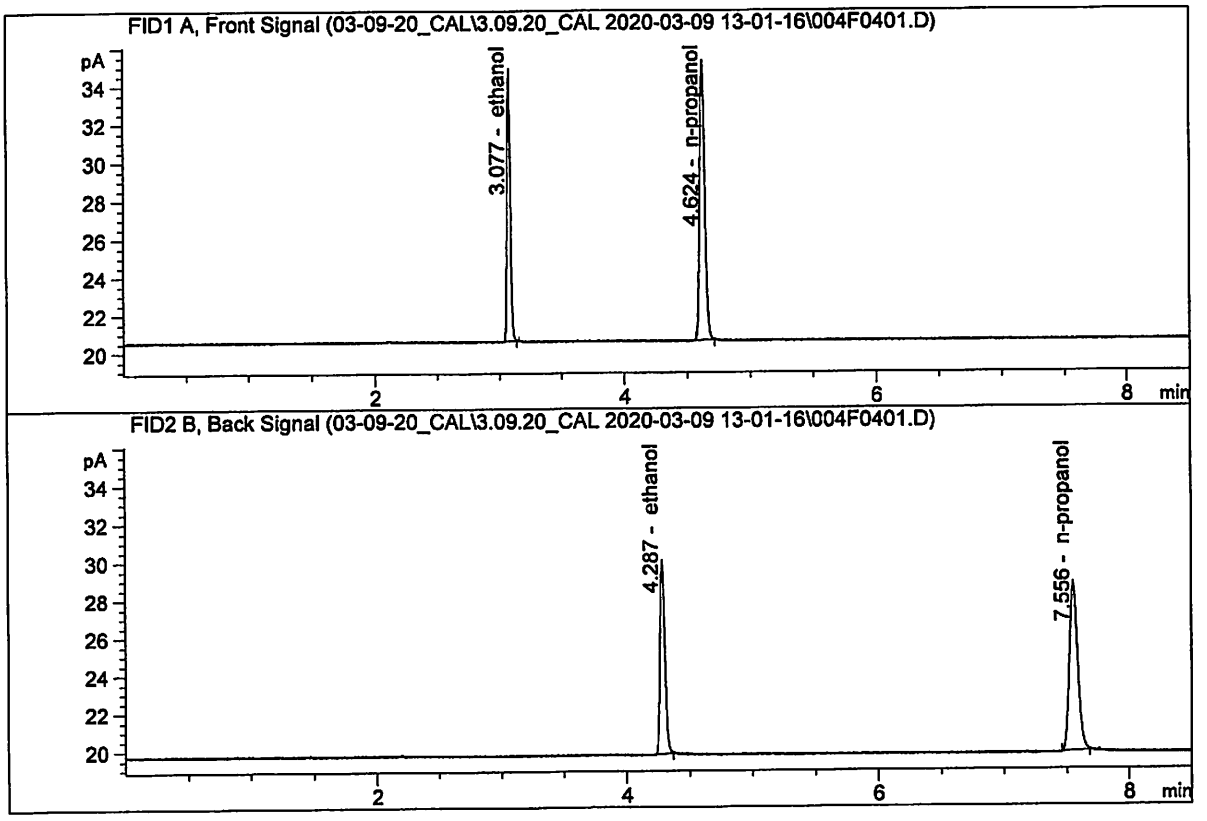
Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Mar 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.98152	0.1994	g/100cc
2.	Ethanol	Column 2:	17.63761	0.1978	g/100cc
3.	n-Propanol	Column 1:	41.35635	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.47480	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Mar 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

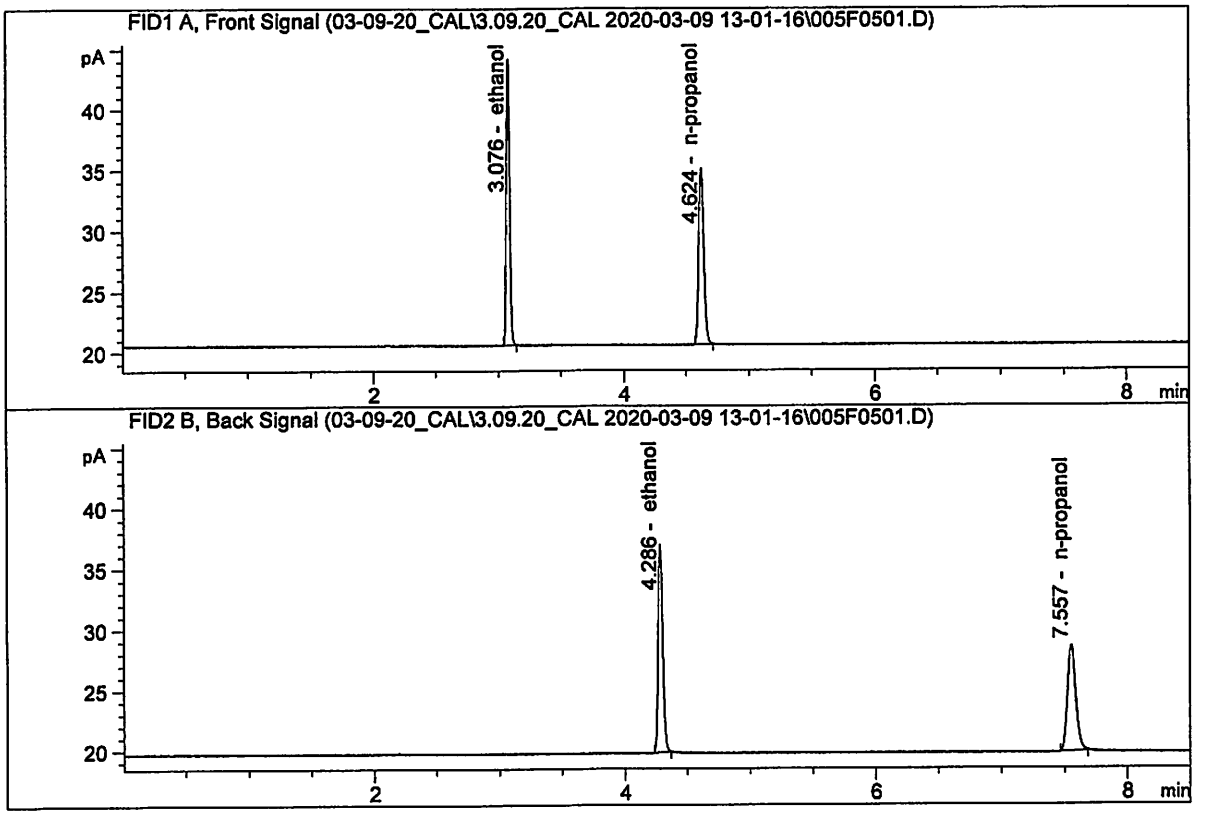


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	25.86077	0.3001	g/100cc
2.	Ethanol	Column 2:	27.16859	0.2994	g/100cc
3.	n-Propanol	Column 1:	41.73225	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.77183	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Mar 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

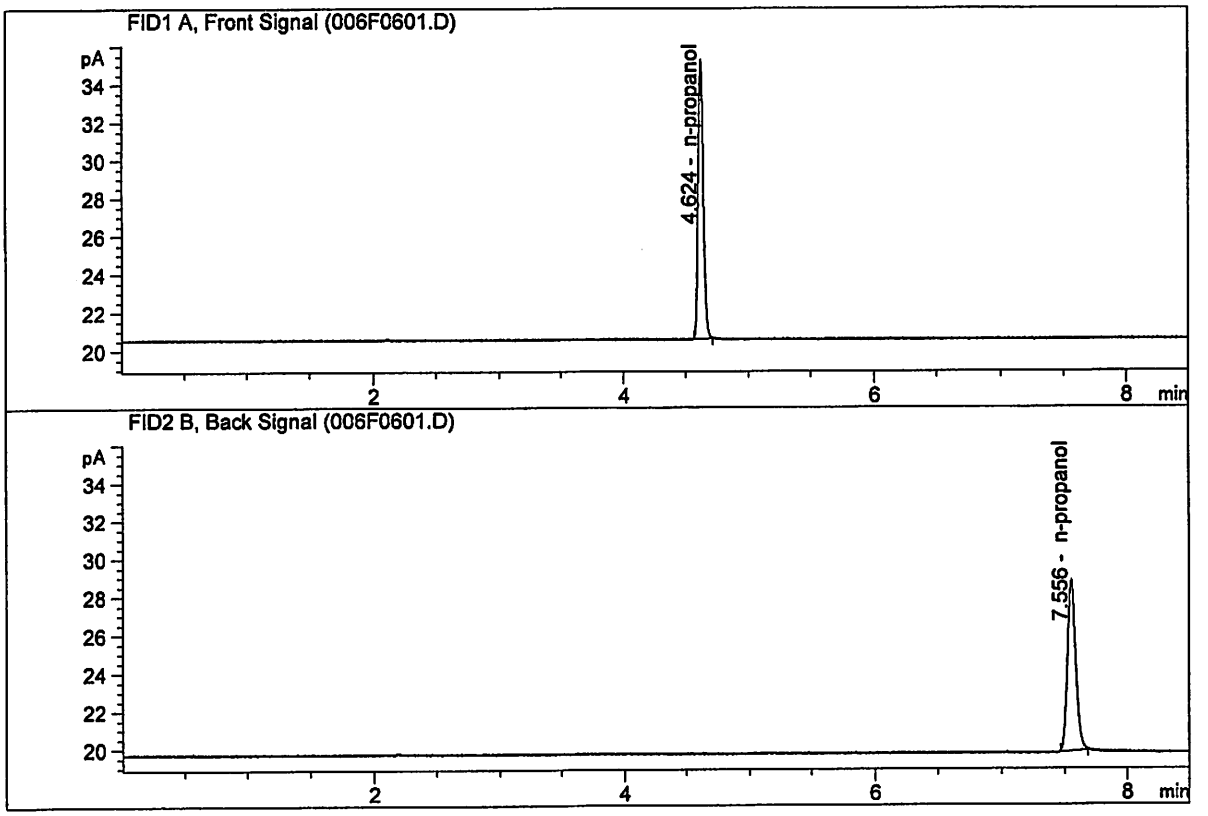


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	42.62834	0.5001	g/100cc
2.	Ethanol	Column 2:	45.02283	0.5011	g/100cc
3.	n-Propanol	Column 1:	41.18416	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.02367	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Mar 9, 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:	41.74824	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.80214	1.0000	g/100cc

W

Sample Summary

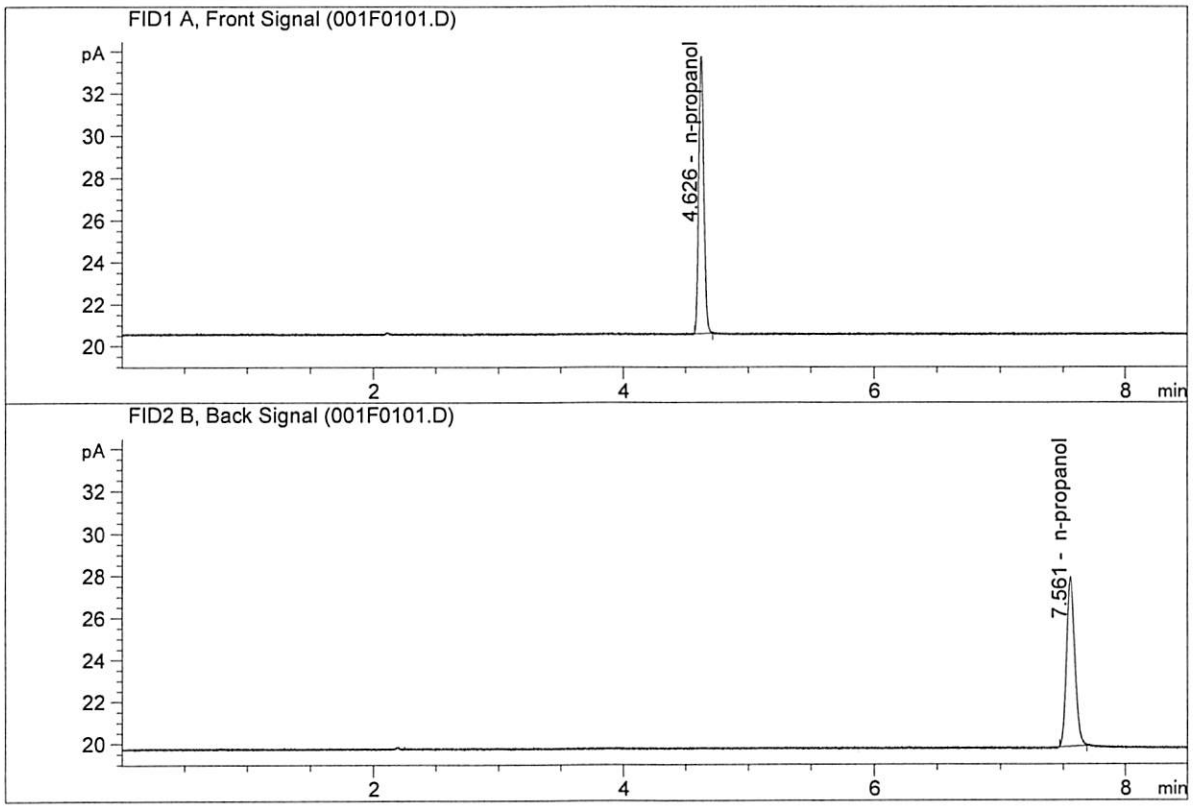
Sequence table: C:\Chem32\1\Data\03-09-20_CAL\3.09.20_CAL 2020-03-09 13-01-16\3.09.20_CAL.S
Data directory path: C:\Chem32\1\Data\03-09-20_CAL\3.09.20_CAL 2020-03-09 13-01-16\
Logbook: C:\Chem32\1\Data\03-09-20_CAL\3.09.20_CAL 2020-03-09 13-01-16\3.09.20_CAL.LOG
Sequence start: 3/9/2020 1:15:57 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\03-09-20_CAL\3.09.20_CAL 2020-03-09 13-01-16\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

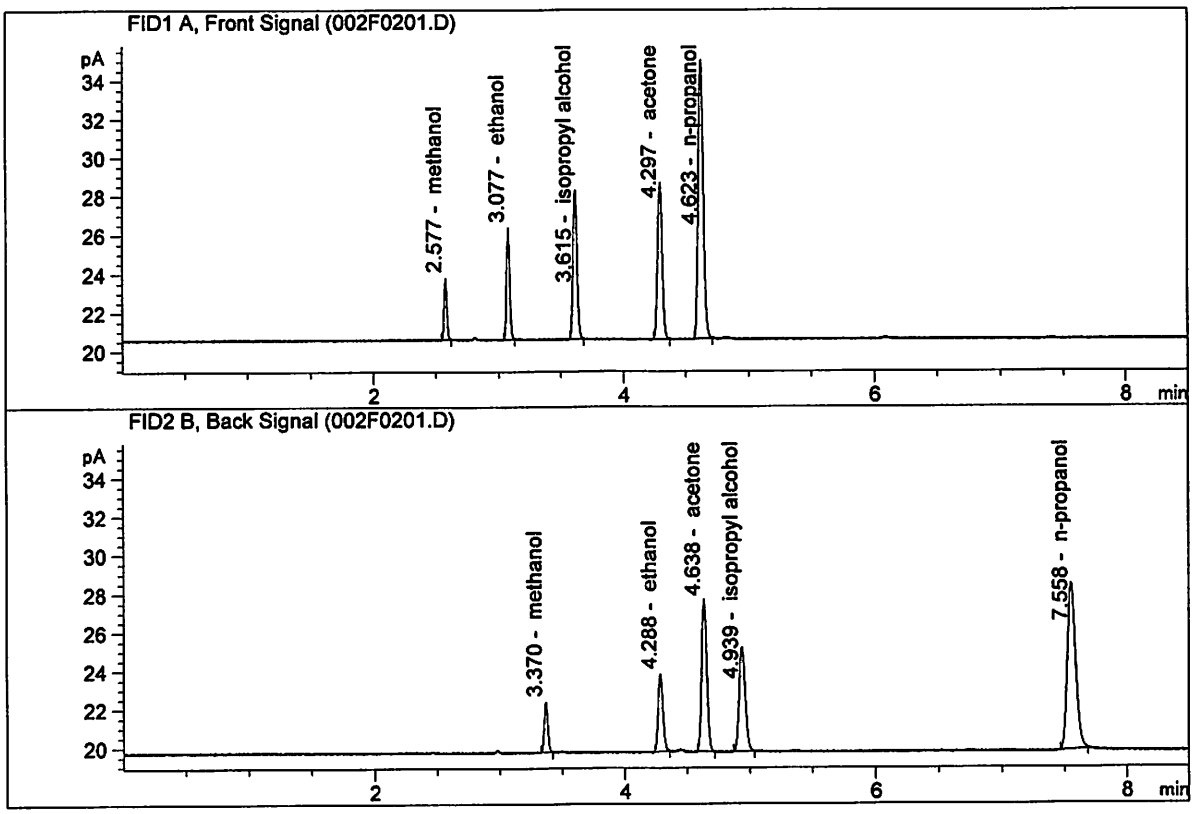
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	37.40839	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.73891	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.14955	0.1225	g/100cc
2.	Ethanol	Column 2:	10.49089	0.1225	g/100cc
3.	n-Propanol	Column 1:	40.46605	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.55832	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 16 Mar 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0814	0.0827	0.0013	0.0820	0.0006	0.0817
(g/100cc)	0.0809	0.0819	0.0010	0.0814		

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%**

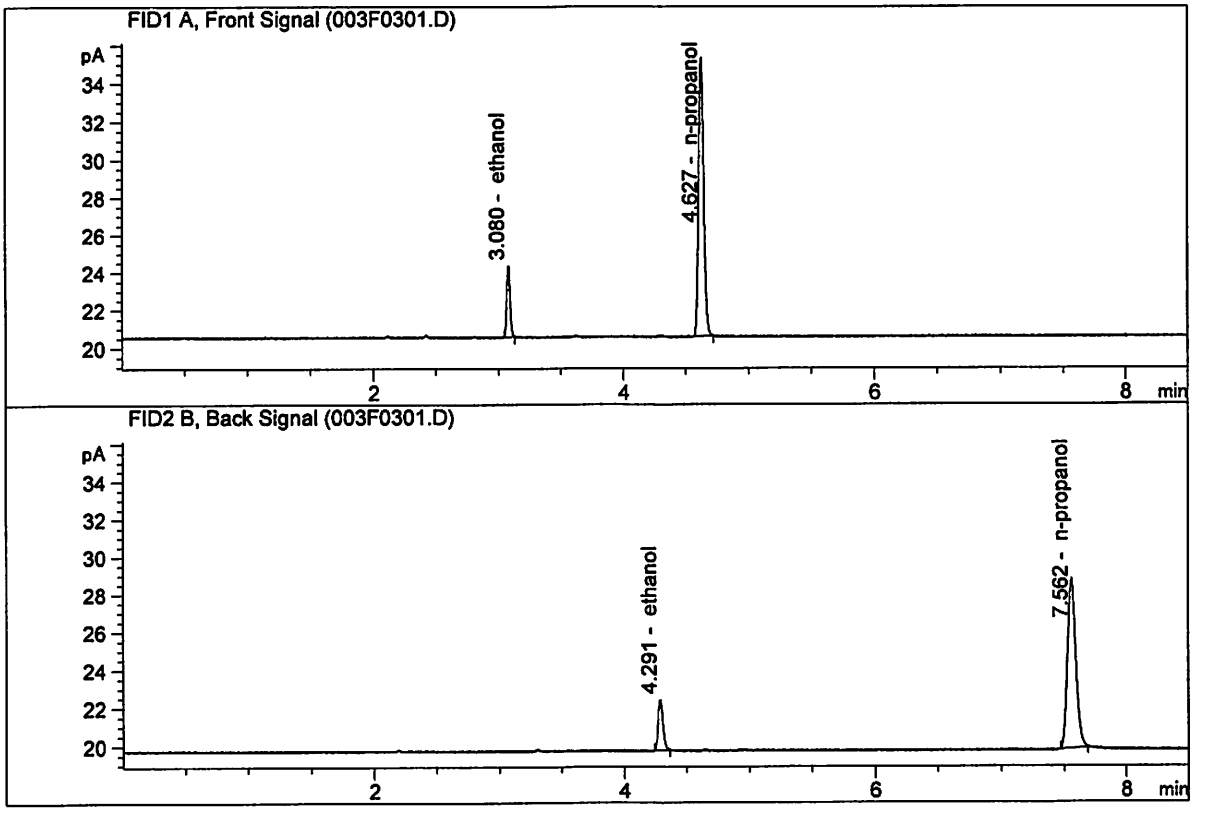
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

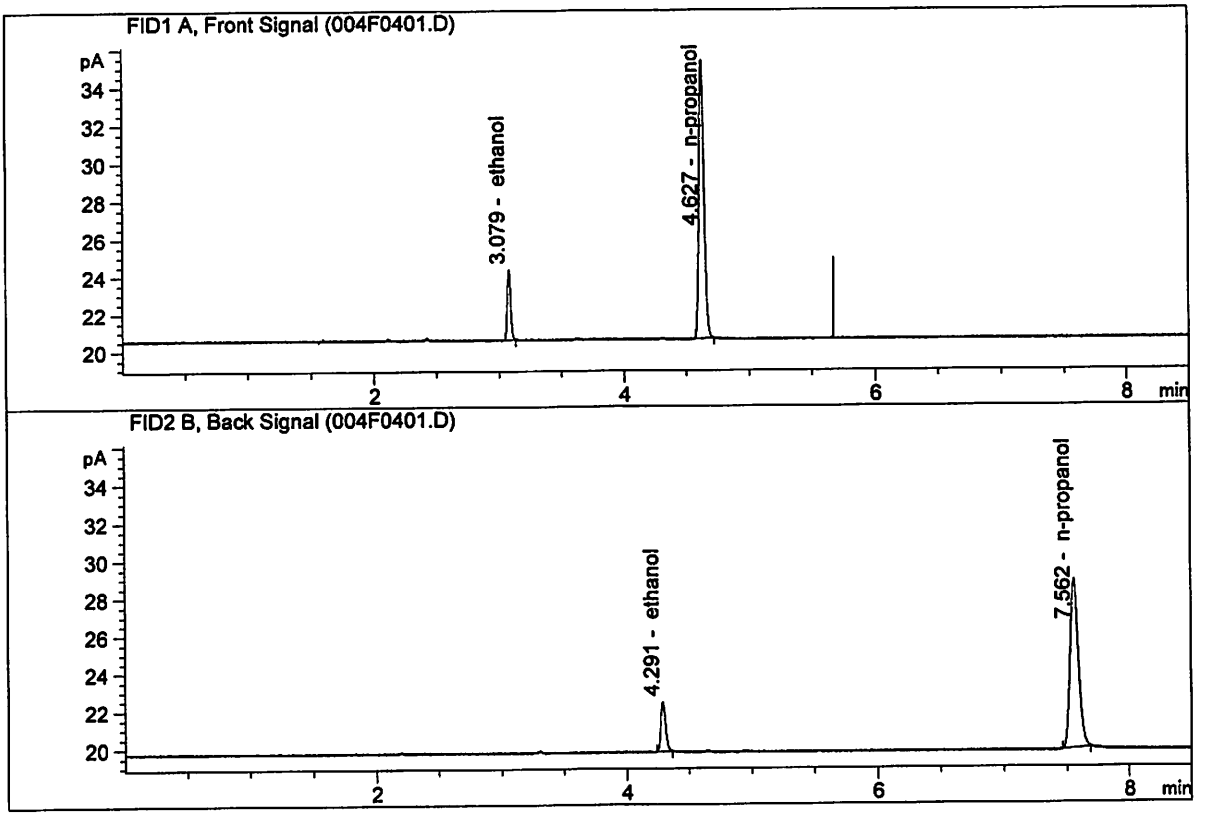
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.93495	0.0814	g/100cc
2.	Ethanol	Column 2:	7.13947	0.0827	g/100cc
3.	n-Propanol	Column 1:	41.90358	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.91907	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.89453	0.0809	g/100cc
2.	Ethanol	Column 2:	7.06913	0.0819	g/100cc
3.	n-Propanol	Column 1:	41.91572	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.95418	1.0000	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 16 Mar 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0805	0.0811	0.0006	0.0808	0.0002	0.0809
(g/100cc)	0.0806	0.0815	0.0009	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%**

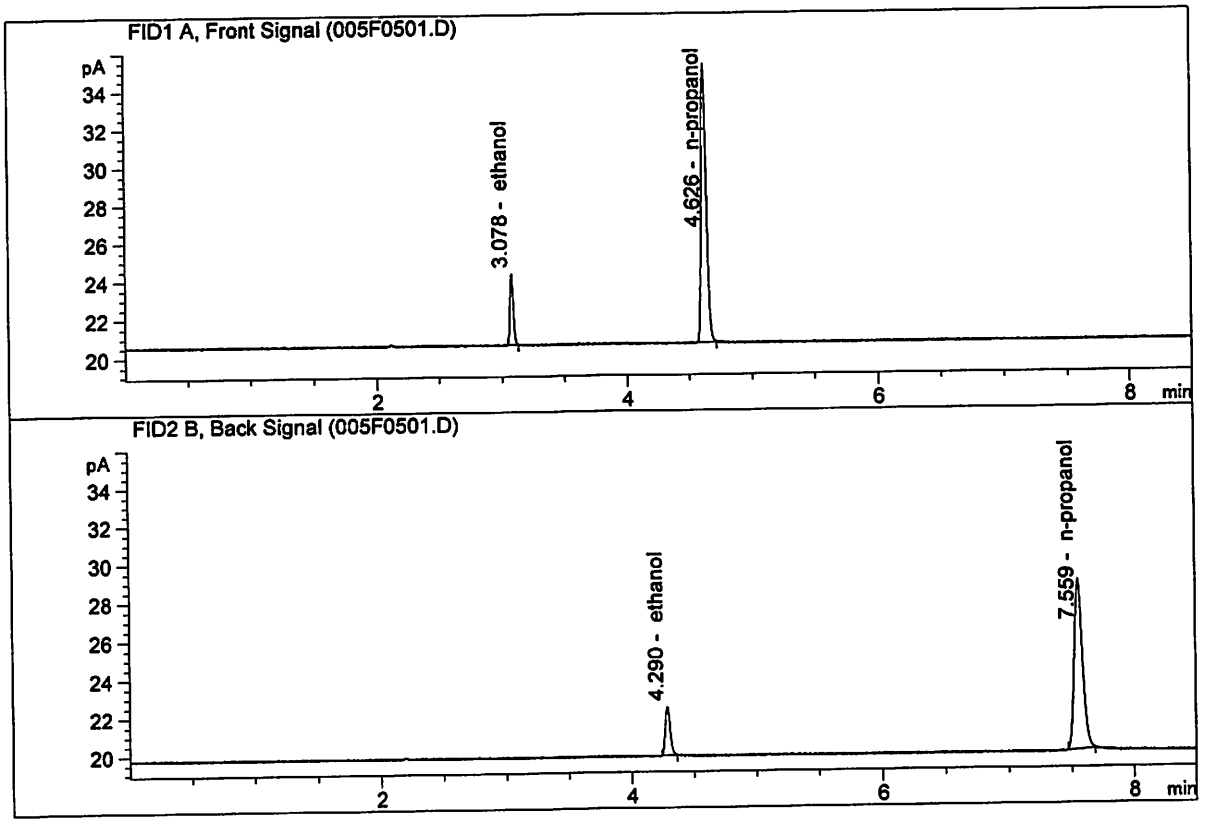
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

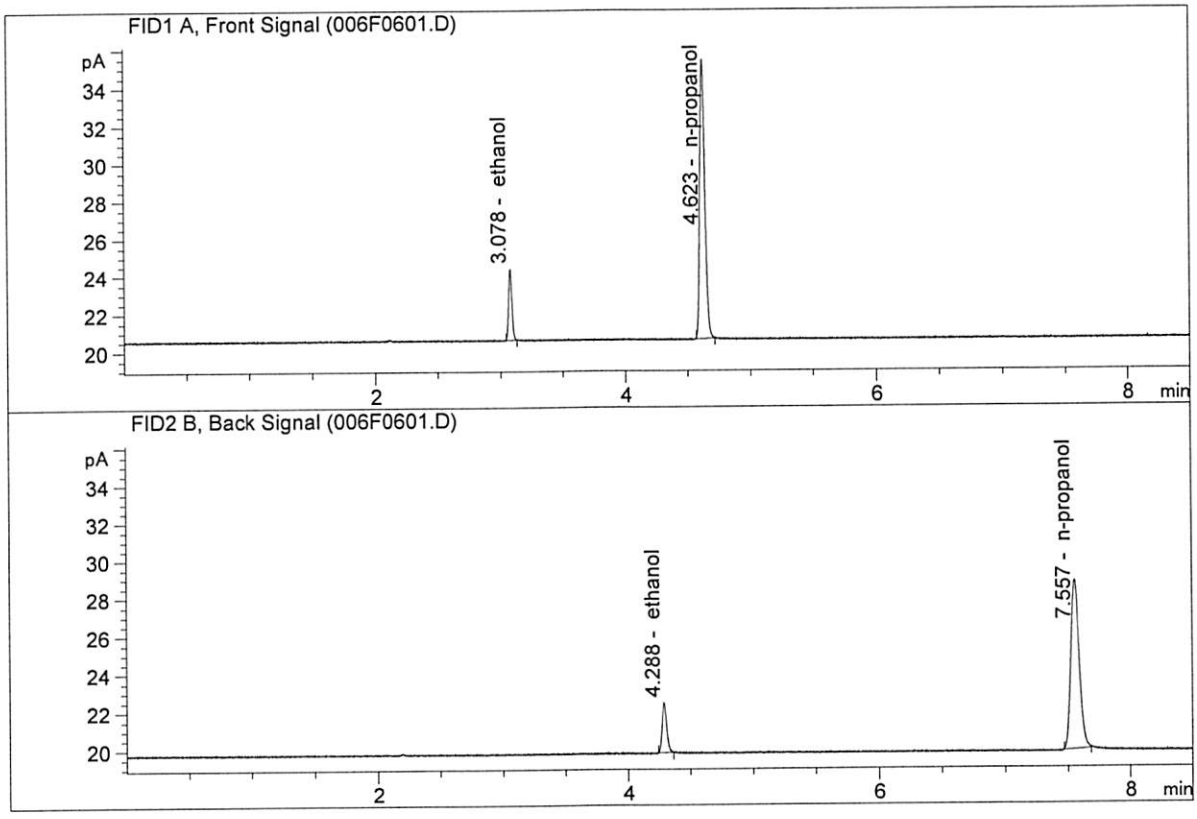


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.80039	0.0805	g/100cc
2.	Ethanol	Column 2:	6.93411	0.0811	g/100cc
3.	n-Propanol	Column 1:	41.57280	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.55590	1.0000	g/100cc

W

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.87894	0.0806	g/100cc
2.	Ethanol	Column 2:	7.02415	0.0815	g/100cc
3.	n-Propanol	Column 1:	41.97804	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.86625	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 16 Mar 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1972	0.1967	0.0005	0.1969	0.0039	0.1988
(g/100cc)	0.2010	0.2006	0.0004	0.2008		

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%**

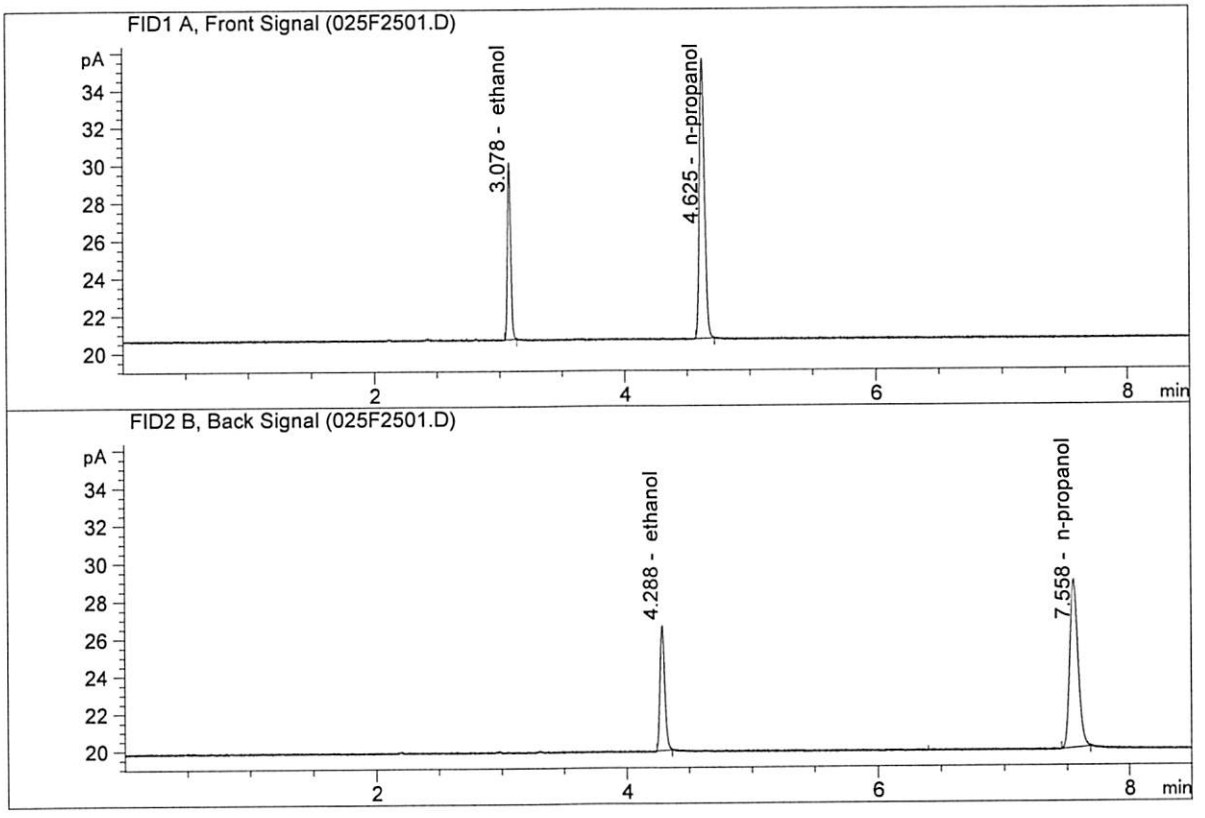
Overall Mean (g/100cc)	Low	High	5% of Mean
0.198	0.188	0.208	0.010

	Reported Result	
	0.198	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

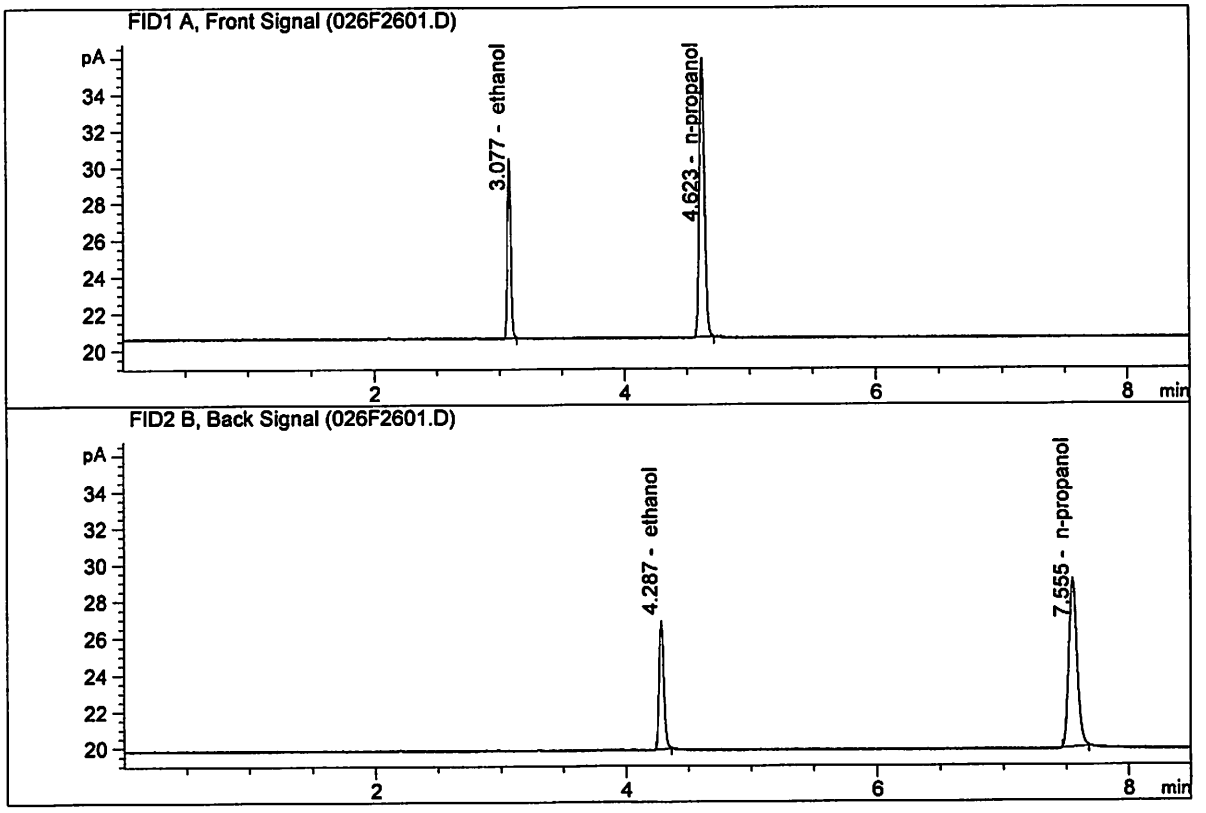
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.18965	0.1972	g/100cc
2.	Ethanol	Column 2:	17.82555	0.1967	g/100cc
3.	n-Propanol	Column 1:	42.34389	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.16384	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.91659	0.2010	g/100cc
2.	Ethanol	Column 2:	18.60999	0.2006	g/100cc
3.	n-Propanol	Column 1:	43.29743	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.15334	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 16 Mar 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0817	0.0828	0.0011	0.0822	0.0005	0.0825
(g/100cc)	0.0824	0.0831	0.0007	0.0827		

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
0.082	0.077	0.087	0.005

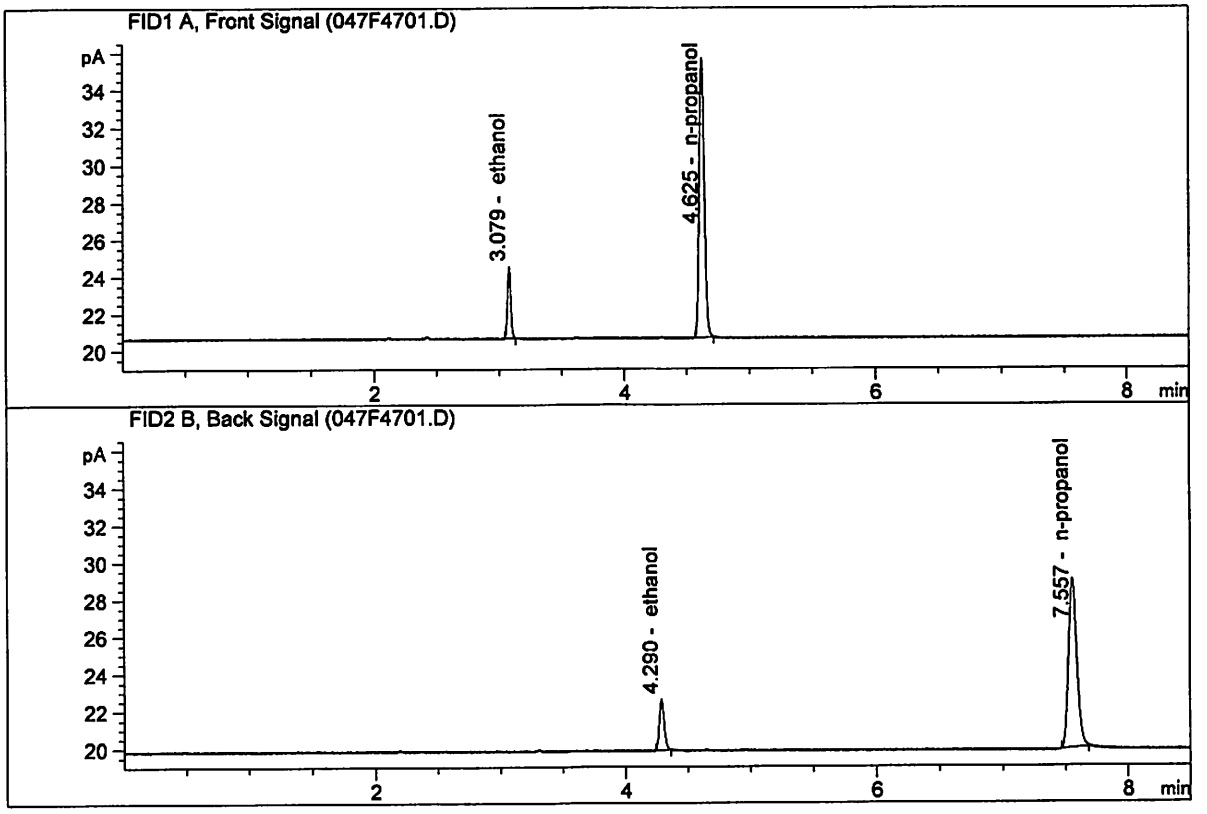
	Reported Result	
	0.082	

Calibration and control data are stored centrally.

W

ISP Forensic Services Blood Alcohol Report

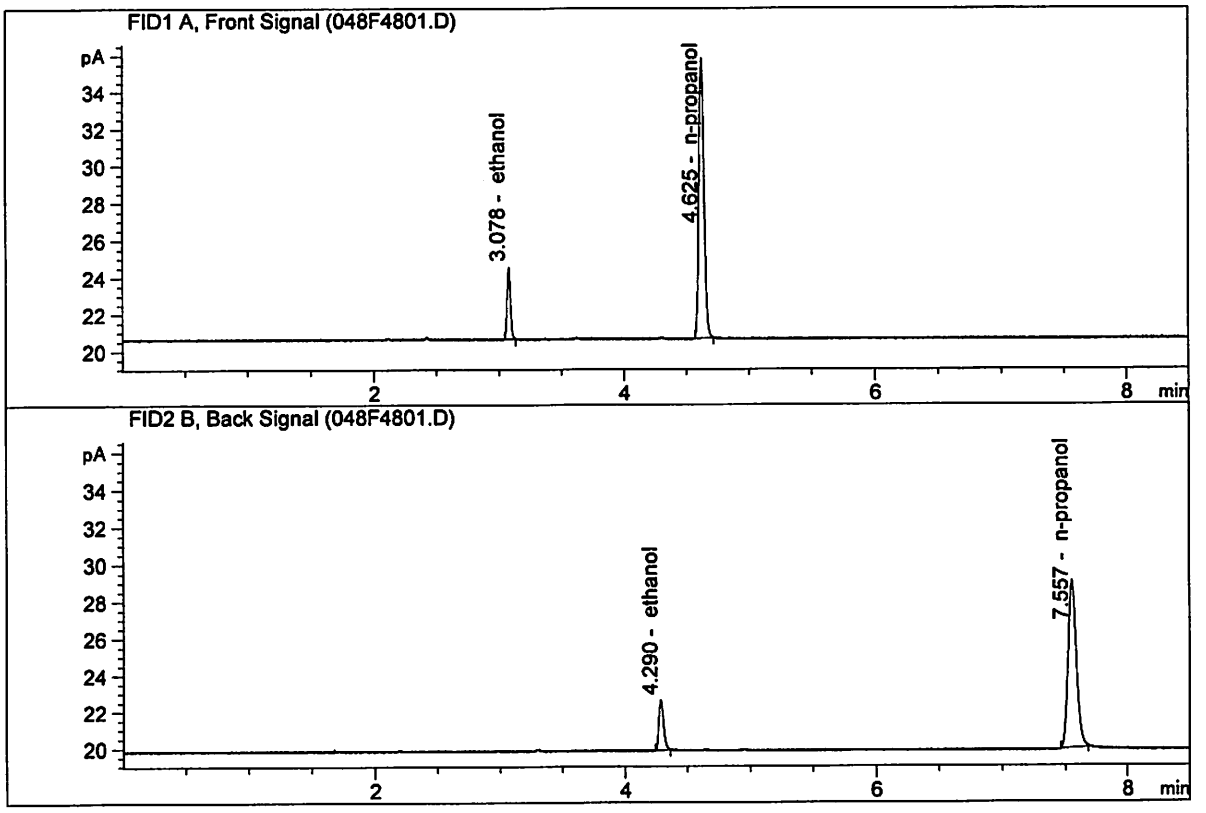
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.10307	0.0817	g/100cc
2.	Ethanol	Column 2:	7.25347	0.0828	g/100cc
3.	n-Propanol	Column 1:	42.77296	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.53814	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.22640	0.0824	g/100cc
2.	Ethanol	Column 2:	7.34696	0.0831	g/100cc
3.	n-Propanol	Column 1:	43.15882	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.90747	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 16 Mar 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1967	0.1969	0.0002	0.1968	0.0017	0.1976
(g/100cc)	0.1985	0.1985	0.0000	0.1985		

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%**

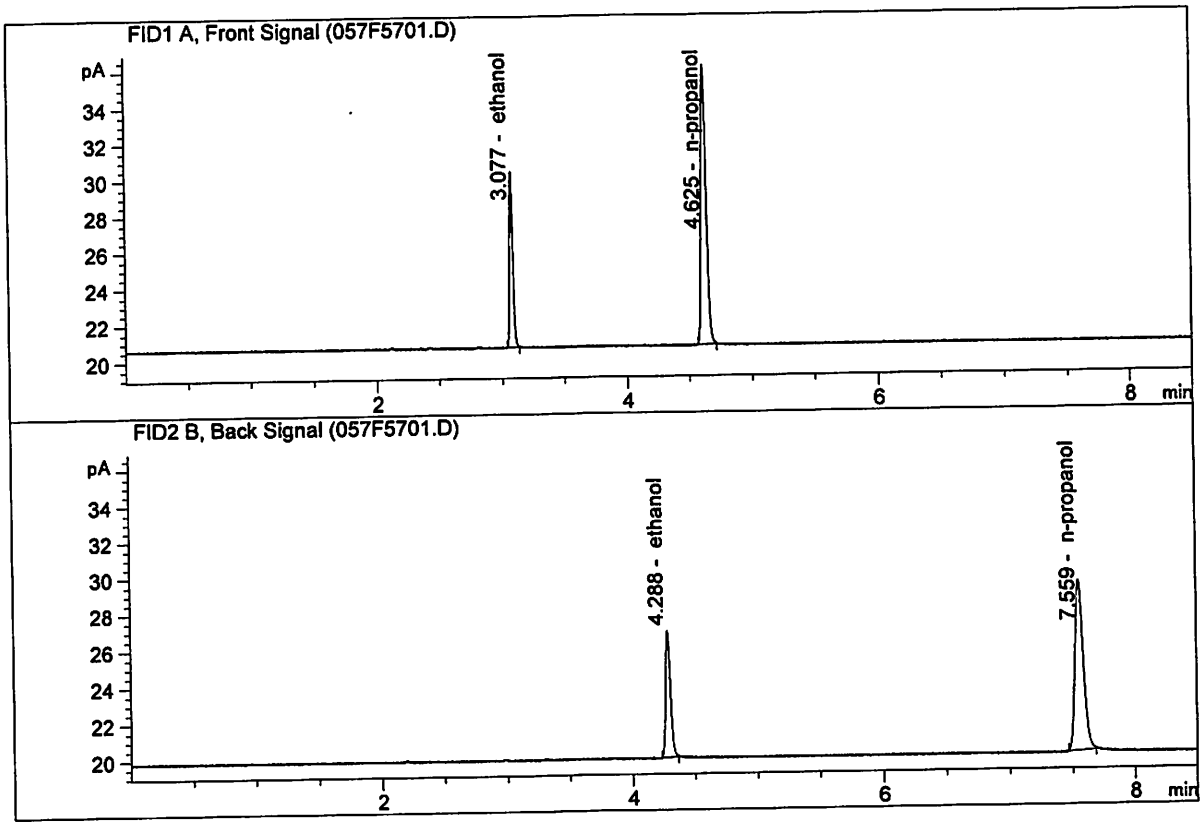
Overall Mean (g/100cc)	Low	High	5% of Mean
0.197	0.187	0.207	0.010

	Reported Result	
	0.197	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.75961	0.1967	g/100cc
2.	Ethanol	Column 2:	18.47861	0.1969	g/100cc
3.	n-Propanol	Column 1:	43.86600	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.70832	1.0000	g/100cc

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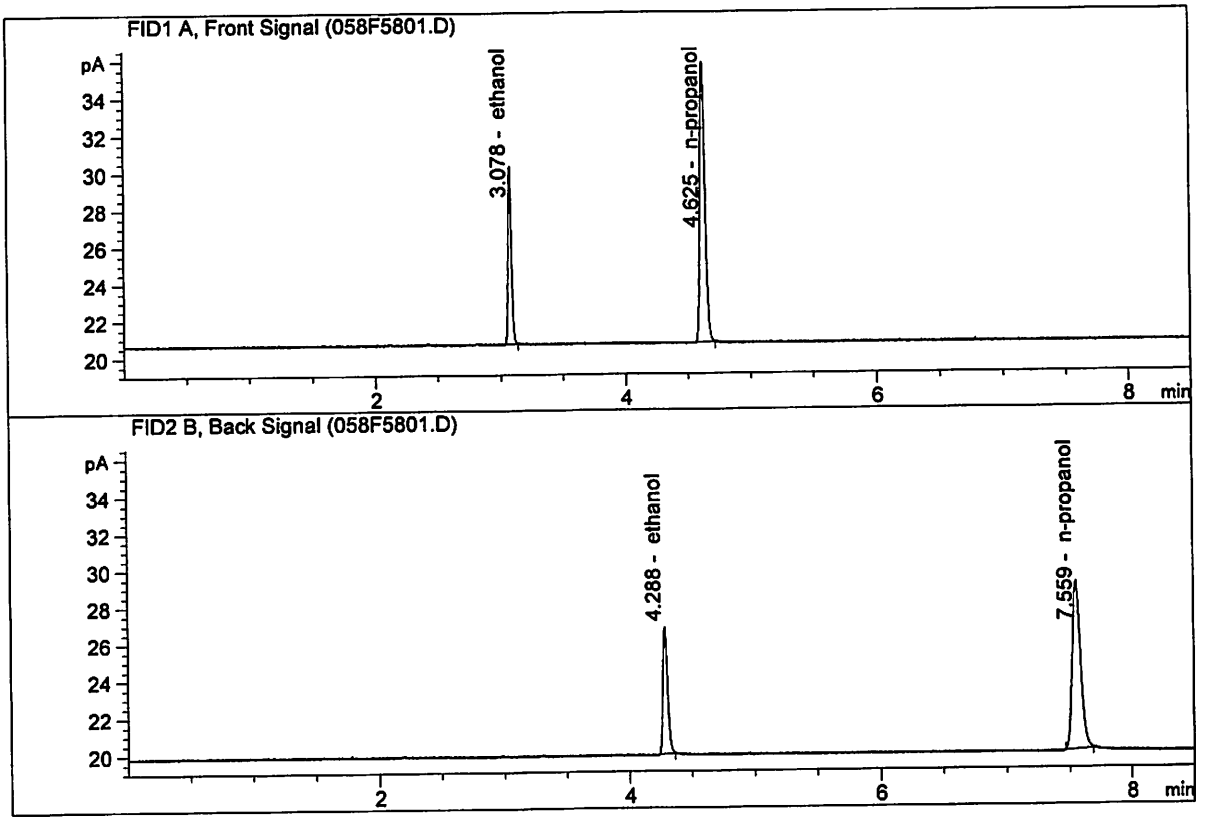
ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Mar 16, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.60859	0.1985	g/100cc
2.	Ethanol	Column 2:	18.26966	0.1985	g/100cc
3.	n-Propanol	Column 1:	43.08249	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.82495	1.0000	g/100cc

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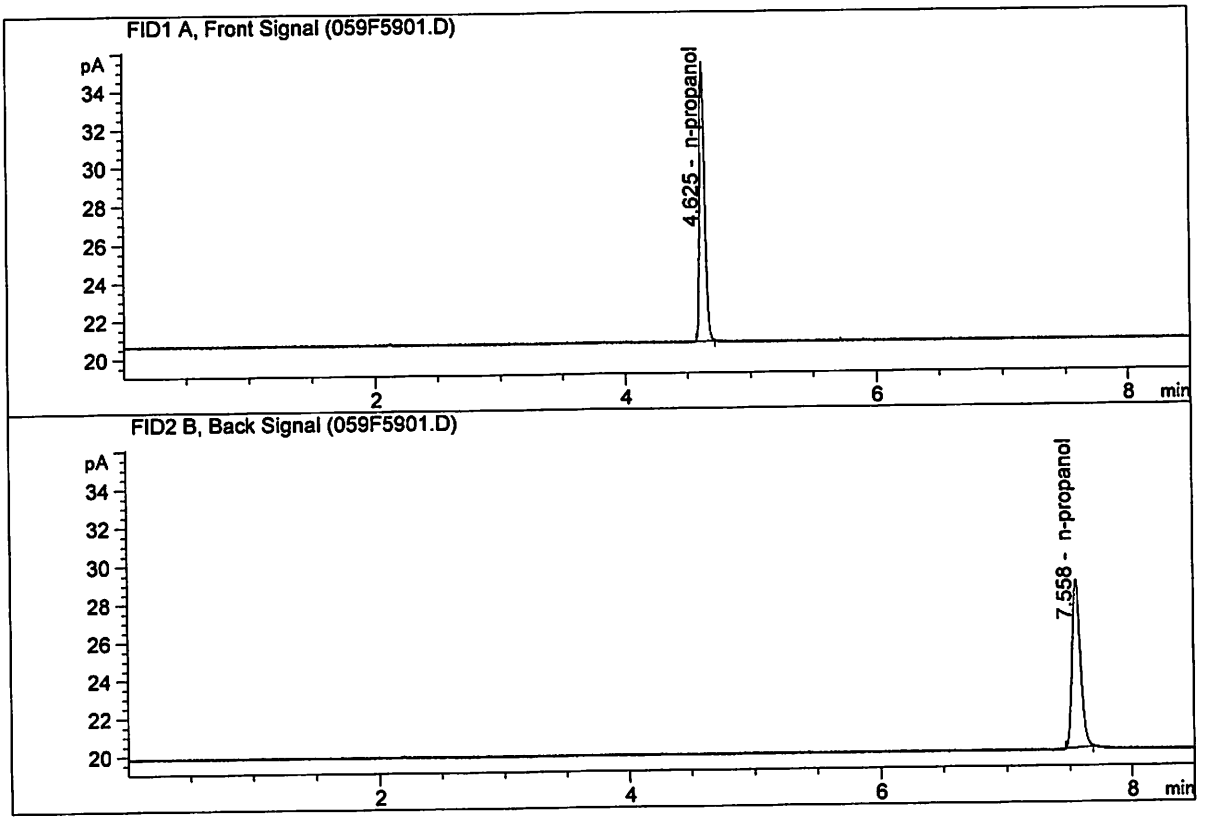
ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Mar 16, 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:	41.82652	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.58038	1.0000	g/100cc

Sequence File C:\Chem32\...-20_SAMPLES\3-16-20_SAMPLES 2020-03-16 11-31-14\3-16-20_SAMPLES.S

Sample Summary

Sequence table: C:\Chem32\1\Data\03-16-20_SAMPLES\3-16-20_SAMPLES 2020-03-16 11-31-14\3-16-20_SAMPLES.S
Data directory path: C:\Chem32\1\Data\03-16-20_SAMPLES\3-16-20_SAMPLES 2020-03-16 11-31-14\
Logbook: C:\Chem32\1\Data\03-16-20_SAMPLES\3-16-20_SAMPLES 2020-03-16 11-31-14\3-16-20_SAMPLES.LOG
Sequence start: 3/16/2020 11:46:03 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\03-16-20_SAMPLES\3-16-20_SAMPLES 2020-03-16 11-31-14\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	M2020-0901-1-A	-	1.0000	007F0701.D		4
8	8	1	M2020-0901-1-B	-	1.0000	008F0801.D		4
9	9	1	M2020-0920-1-A	-	1.0000	009F0901.D		2
10	10	1	M2020-0920-1-B	-	1.0000	010F1001.D		2
11	11	1	M2020-0931-1-A	-	1.0000	011F1101.D		4
12	12	1	M2020-0931-1-B	-	1.0000	012F1201.D		4
13	13	1	M2020-0934-1-A	-	1.0000	013F1301.D		6
14	14	1	M2020-0934-1-B	-	1.0000	014F1401.D		6
15	15	1	M2020-0935-1-A	-	1.0000	015F1501.D		4
16	16	1	M2020-0935-1-B	-	1.0000	016F1601.D		4
17	17	1	M2020-0942-1-A	-	1.0000	017F1701.D		2
18	18	1	M2020-0942-1-B	-	1.0000	018F1801.D		2
19	19	1	M2020-0944-1-A	-	1.0000	019F1901.D		2
20	20	1	M2020-0944-1-B	-	1.0000	020F2001.D		2
21	21	1	BLD1907006-1-A	-	1.0000	021F2101.D		4
22	22	1	BLD1907006-1-B	-	1.0000	022F2201.D		4
23	23	1	BLD1907007-1-A	-	1.0000	023F2301.D		4
24	24	1	BLD1907007-1-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	M2020-0945-1-A	-	1.0000	027F2701.D		2
28	28	1	M2020-0945-1-B	-	1.0000	028F2801.D		2
29	29	1	M2020-0946-1-A	-	1.0000	029F2901.D		4
30	30	1	M2020-0946-1-B	-	1.0000	030F3001.D		4
31	31	1	M2020-0968-1-A	-	1.0000	031F3101.D		2
32	32	1	M2020-0968-1-B	-	1.0000	032F3201.D		2
33	33	1	M2020-0981-2-A	-	1.0000	033F3301.D		2
34	34	1	M2020-0981-2-B	-	1.0000	034F3401.D		2
35	35	1	M2020-0991-1-A	-	1.0000	035F3501.D		4
36	36	1	M2020-0991-1-B	-	1.0000	036F3601.D		4
37	37	1	M2020-1011-1-A	-	1.0000	037F3701.D		4
38	38	1	M2020-1011-1-B	-	1.0000	038F3801.D		4
39	39	1	M2020-1028-1-A	-	1.0000	039F3901.D		4
40	40	1	M2020-1028-1-B	-	1.0000	040F4001.D		4
41	41	1	M2020-1029-1-A	-	1.0000	041F4101.D		2
42	42	1	M2020-1029-1-B	-	1.0000	042F4201.D		2
43	43	1	M2020-1046-1-A	-	1.0000	043F4301.D		4

Sequence File C:\Chem32\...-20_SAMPLES\3-16-20_SAMPLES 2020-03-16 11-31-14\3-16-20_SAMPLES.S

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
44	44	1	M2020-1046-1-B	-	1.0000	044F4401.D		4
45	45	1	M2020-1047-1-A	-	1.0000	045F4501.D		4
46	46	1	M2020-1047-1-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	M2020-1053-1-A	-	1.0000	049F4901.D		4
50	50	1	M2020-1053-1-B	-	1.0000	050F5001.D		4
51	51	1	P2020-0748-2-A	-	1.0000	051F5101.D		2
52	52	1	P2020-0748-2-B	-	1.0000	052F5201.D		2
53	53	1	P2020-0748-3-A	-	1.0000	053F5301.D		2
54	54	1	P2020-0748-3-B	-	1.0000	054F5401.D		2
55	55	1	P2020-0781-1-A	-	1.0000	055F5501.D		4
56	56	1	P2020-0781-1-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

Method file name: C:\Chem32\1\Data\03-16-20_SAMPLES\3-16-20_SAMPLES 2020-03-16 11-31-14 \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