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): 06/23/20**

Calibration Date(s): 06/15/20

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0721-0.0893	0.0780 g/100cc
					0.0803 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1959 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN06041502		ok
Curve Fit:	**Column 1**	1.00000	**Column2**	0.99997	

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0504	0.0518	0.0014	0.0511
100	0.100	0.090 - 0.110	0.0999	0.0997	0.0002	0.0998
200	0.200	0.180 - 0.220	0.1998	0.1985	0.0013	0.1991
300	0.300	0.270 - 0.330	0.2995	0.2990	0.0005	0.2992
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5003	0.5011	0.0008	0.5007

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

REVIEWED
By Galina Giso at 1:18 pm, Jun 24, 2020

JC

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

6/24/2020

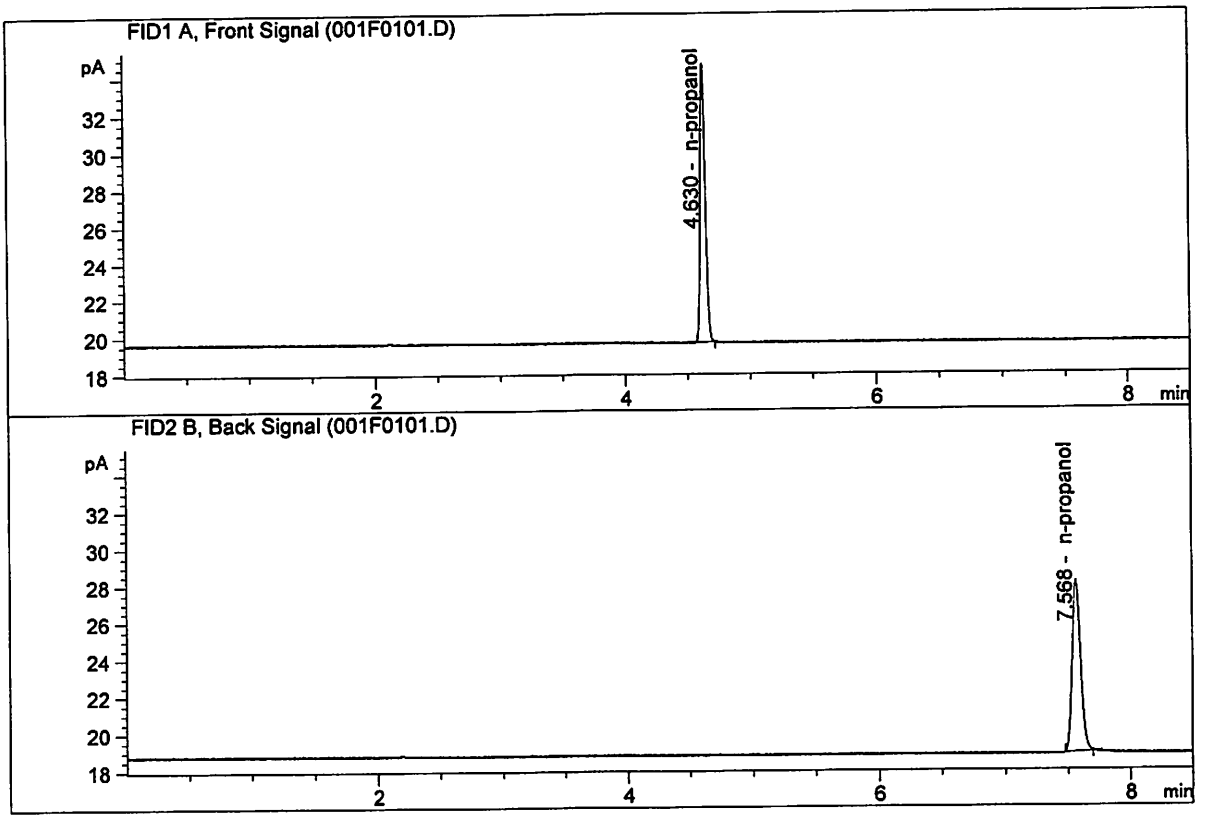
Worklist: 4314

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-2203	1	BCK	Alcohol Analysis
M2020-2216	1	BCK	Alcohol Analysis
M2020-2217	1	BCK	Alcohol Analysis
M2020-2231	1	BCK	Alcohol Analysis
M2020-2252	1	BCK	Alcohol Analysis
M2020-2263	1	BCK	Alcohol Analysis
M2020-2264	1	BCK	Alcohol Analysis
M2020-2265	1	BCK	Alcohol Analysis
M2020-2270	1	BCK	Alcohol Analysis
M2020-2271	1	BCK	Alcohol Analysis
M2020-2272	1	BCK	Alcohol Analysis
M2020-2282	1	BREF	Alcohol Analysis
M2020-2327	1	BCK	Alcohol Analysis
M2020-2328	1	BCK	Alcohol Analysis
P2020-1806	2	BCK	Alcohol Analysis
P2020-1832	2	BCK	Alcohol Analysis

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Jun 23, 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:	42.67623	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.46821	1.0000	g/100cc

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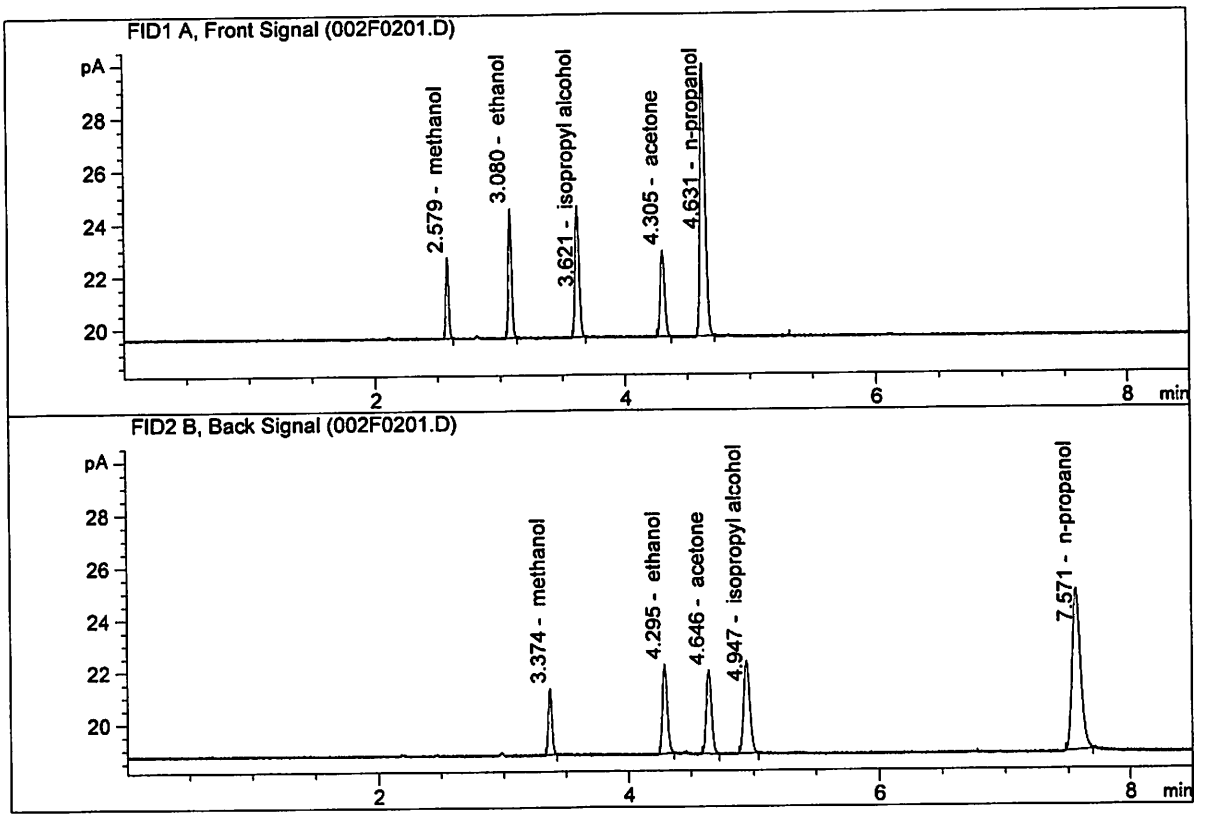
ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Jun 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.74487	0.1439	g/100cc
2.	Ethanol	Column 2:	9.03538	0.1444	g/100cc
3.	n-Propanol	Column 1:	29.11499	1.0000	g/100cc
4.	n-Propanol	Column 2:	29.58973	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 23 Jun 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0778	0.0786	0.0008	0.0782	0.0003	0.0780
(g/100cc)	0.0774	0.0785	0.0011	0.0779		

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%**

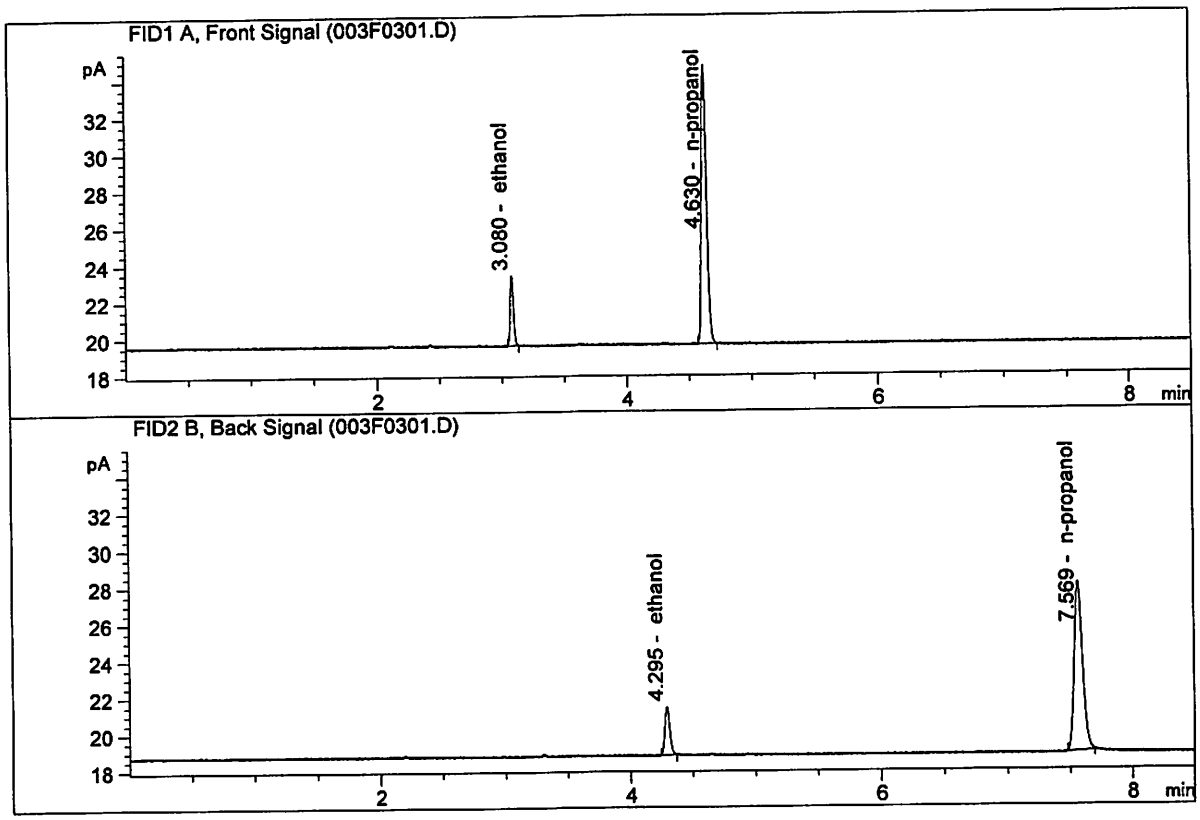
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

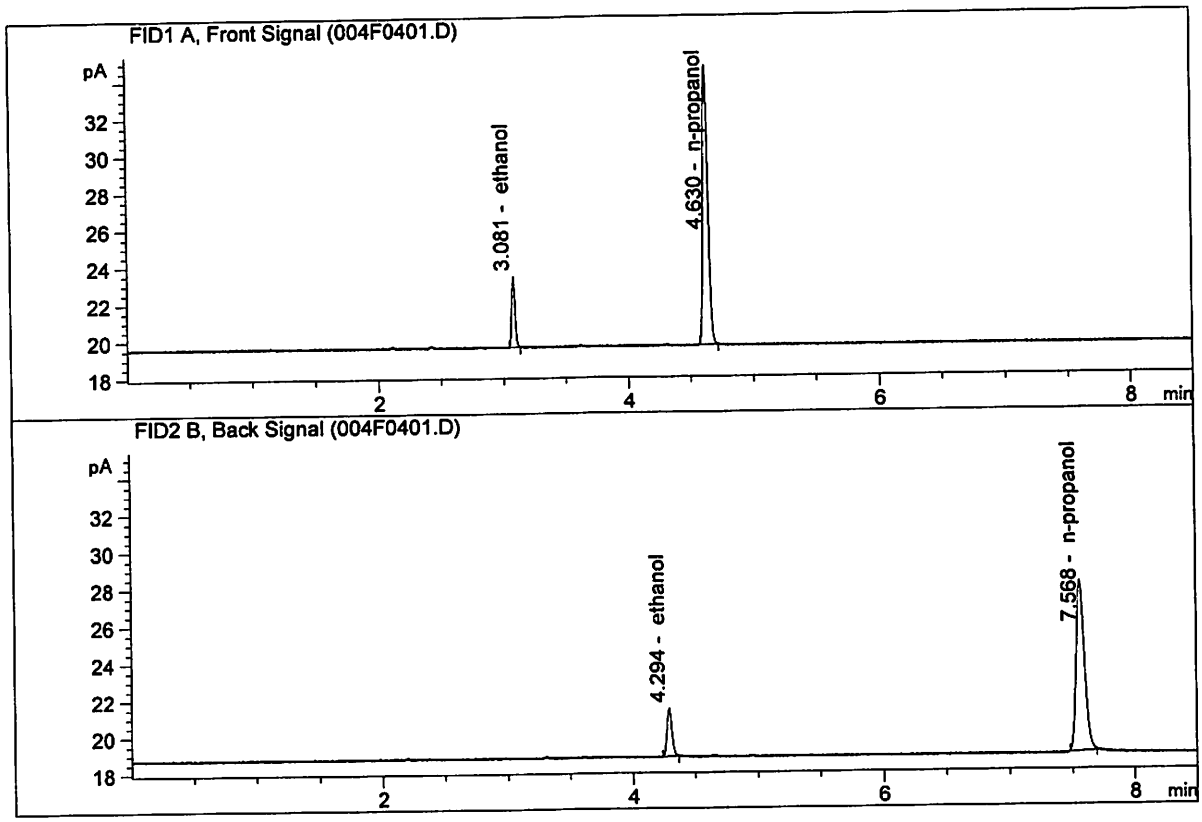
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Jun 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.92841	0.0778	g/100cc
2.	Ethanol	Column 2:	7.09808	0.0786	g/100cc
3.	n-Propanol	Column 1:	42.95498	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.15622	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Jun 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.86965	0.0774	g/100cc
2.	Ethanol	Column 2:	7.05136	0.0785	g/100cc
3.	n-Propanol	Column 1:	42.83552	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.94386	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 23 Jun 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0797	0.0802	0.0005	0.0799	0.0001	0.0798
(g/100cc)	0.0797	0.0799	0.0002	0.0798		

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
0.079	**0.075**	**0.083**	**0.004**

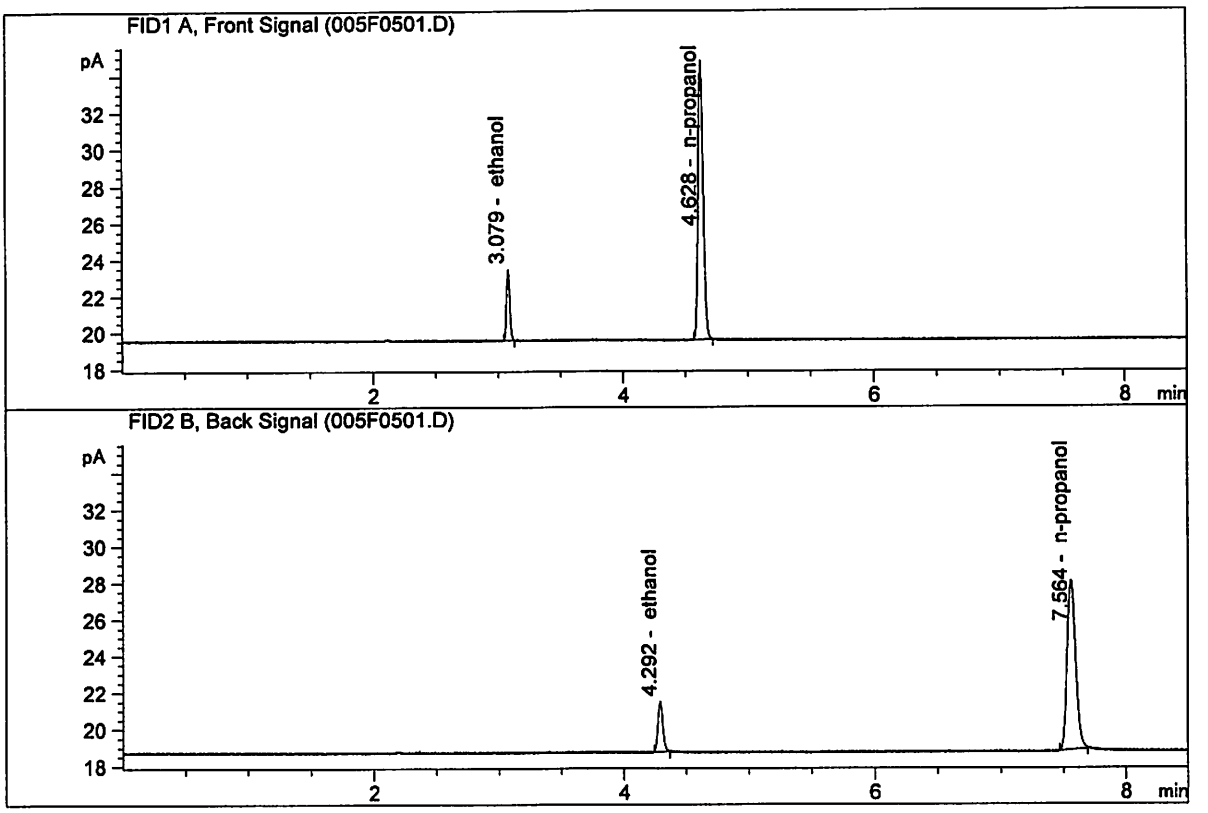
Reported Result

0.079

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Jun 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.13446	0.0797	g/100cc
2.	Ethanol	Column 2:	7.27860	0.0802	g/100cc
3.	n-Propanol	Column 1:	43.20411	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.34624	1.0000	g/100cc

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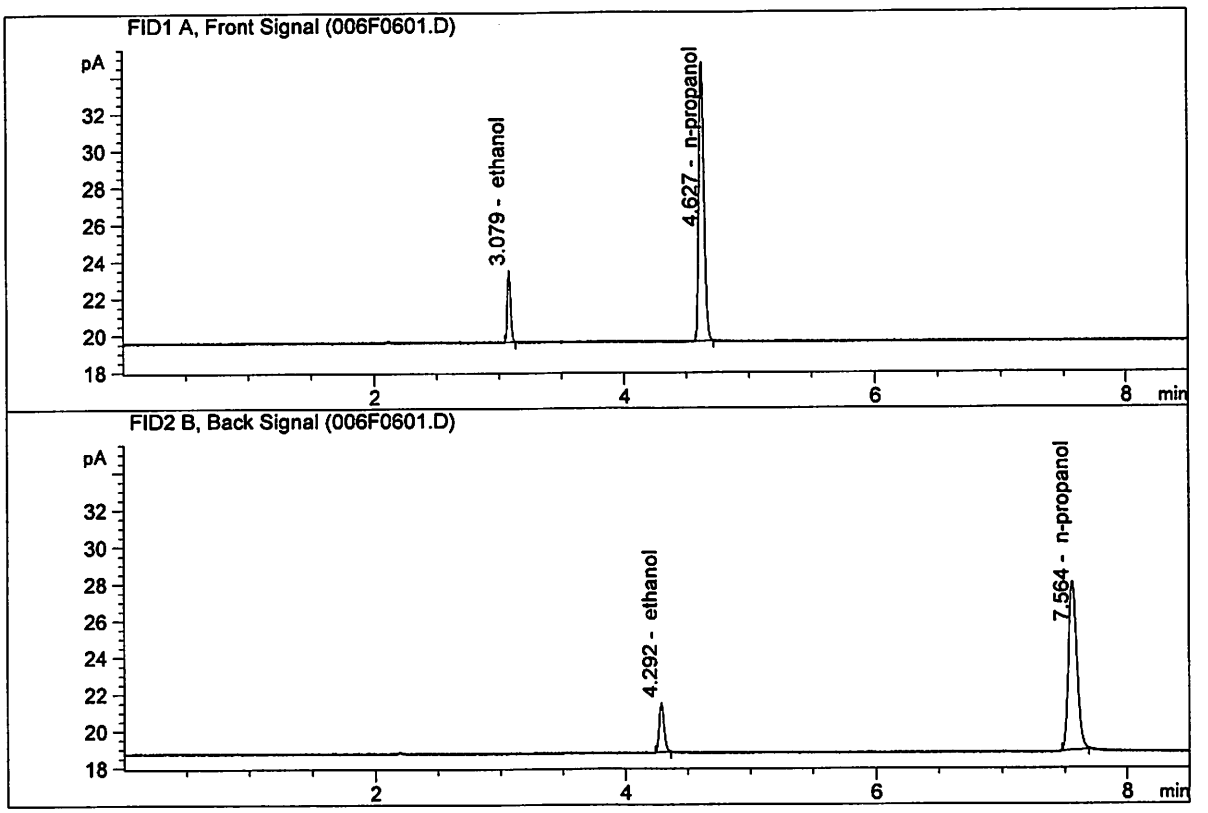
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Jun 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.09531	0.0797	g/100cc
2.	Ethanol	Column 2:	7.20510	0.0799	g/100cc
3.	n-Propanol	Column 1:	42.93584	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.04422	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 23 Jun 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1969	0.1956	0.0013	0.1962	0.0007	0.1959
(g/100cc)	0.1961	0.1950	0.0011	0.1955		

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%**

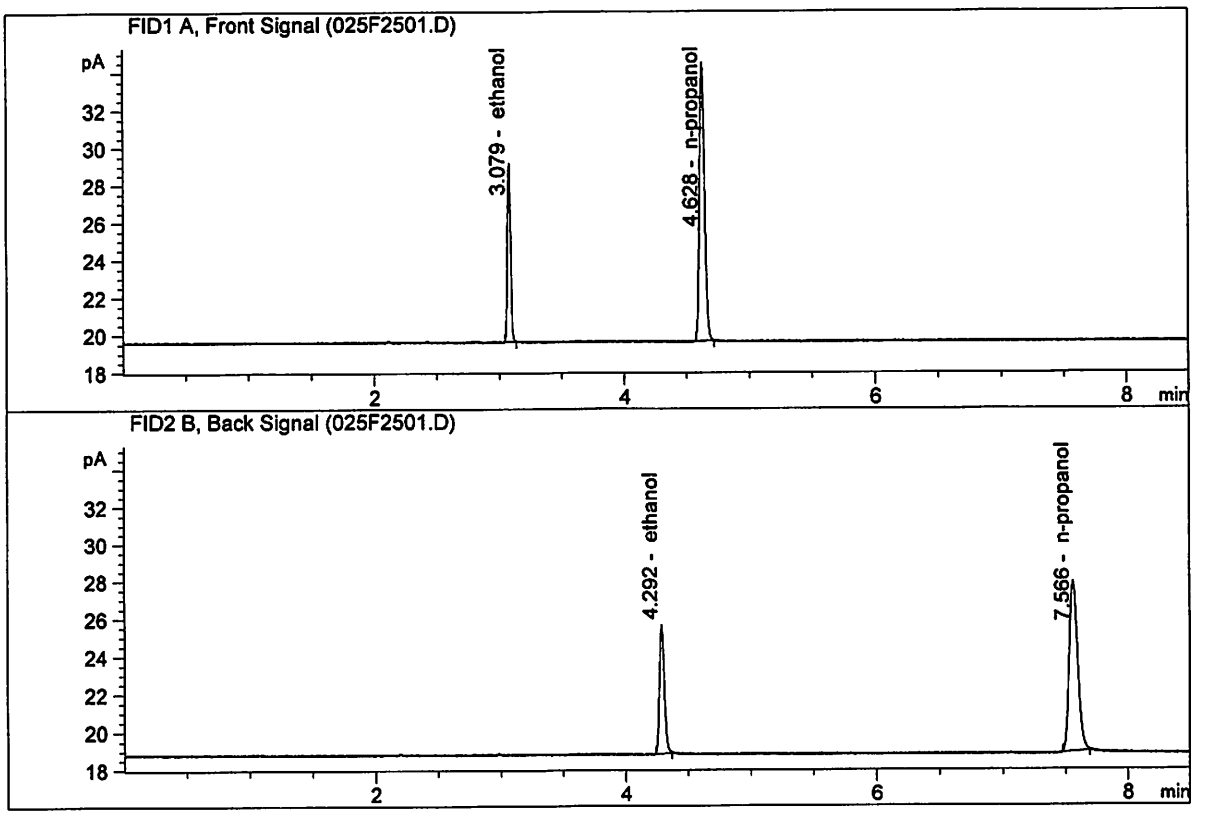
Overall Mean (g/100cc)	Low	High	5% of Mean
0.195	0.185	0.205	0.010

	Reported Result	
	0.195	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Jun 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.43604	0.1969	g/100cc
2.	Ethanol	Column 2:	18.06229	0.1956	g/100cc
3.	n-Propanol	Column 1:	42.32203	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.21316	1.0000	g/100cc

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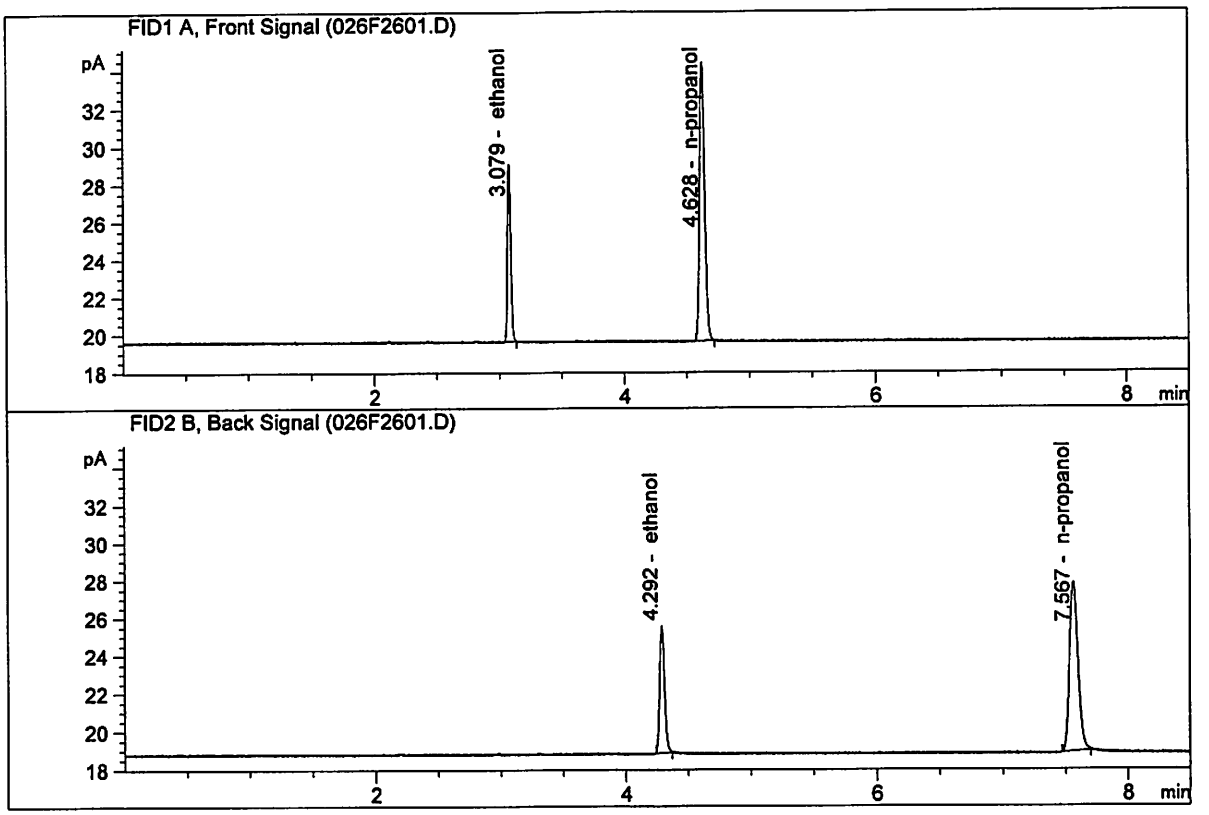
ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Jun 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.25748	0.1961	g/100cc
2.	Ethanol	Column 2:	17.92790	0.1950	g/100cc
3.	n-Propanol	Column 1:	42.05860	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.02322	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 23 Jun 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0794	0.0803	0.0009	0.0798	0.0011	0.0803
(g/100cc)	0.0806	0.0812	0.0006	0.0809		

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%**

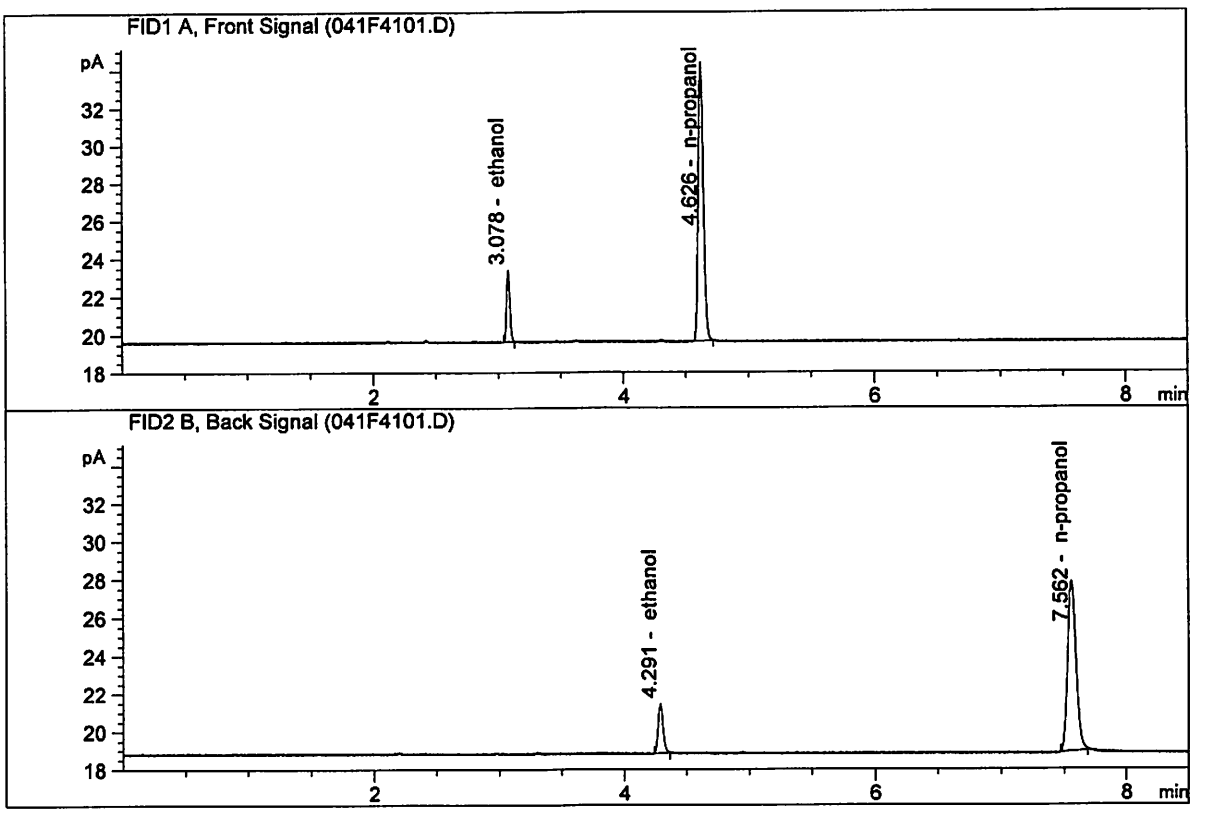
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

Reported Result
0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

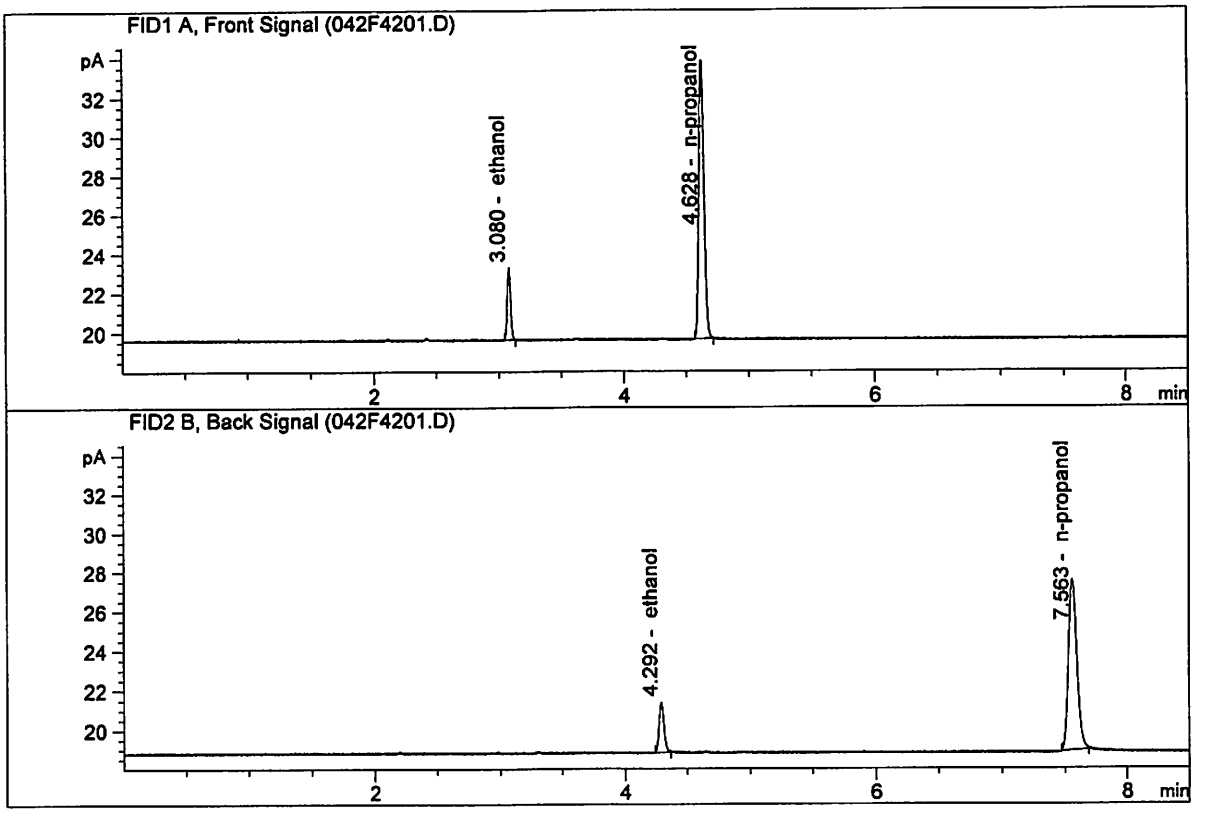
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Jun 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.89289	0.0794	g/100cc
2.	Ethanol	Column 2:	7.04347	0.0803	g/100cc
3.	n-Propanol	Column 1:	41.90119	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.82214	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Jun 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.75276	0.0806	g/100cc
2.	Ethanol	Column 2:	6.85210	0.0812	g/100cc
3.	n-Propanol	Column 1:	40.40955	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.19490	1.0000	g/100cc

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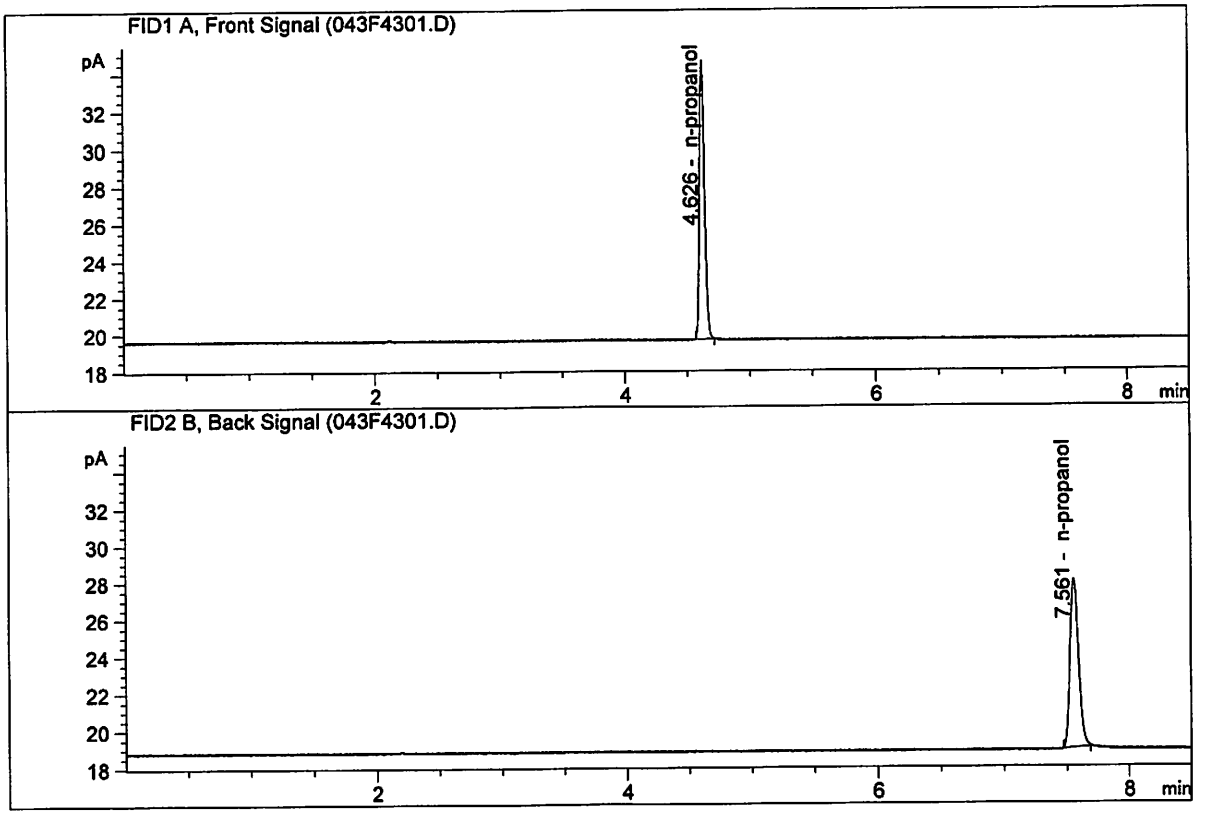
ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jun 23, 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:	42.69986	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.63893	1.0000	g/100cc

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Sequence File C:\Chem32\...-20_SAMPLES\6-23-20_SAMPLES 2020-06-23 11-36-17\6-23-20_SAMPLES.S

Sample Summary

Sequence table: C:\Chem32\1\Data\06-23-20_SAMPLES\6-23-20_SAMPLES 2020-06-23 11-36-17\6-23-20_SAMPLES.S

Data directory path: C:\Chem32\1\Data\06-23-20_SAMPLES\6-23-20_SAMPLES 2020-06-23 11-36-17\

Logbook: C:\Chem32\1\Data\06-23-20_SAMPLES\6-23-20_SAMPLES 2020-06-23 11-36-17\6-23-20_SAMPLES.LOG

Sequence start: 6/23/2020 11:50:59 AM

Sequence Operator: SYSTEM

Operator: SYSTEM

Method file name: C:\Chem32\1\Data\06-23-20_SAMPLES\6-23-20_SAMPLES 2020-06-23 11-36-17\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	M2020-2203-1-A	-	1.0000	007F0701.D	4
8	8	1	M2020-2203-1-B	-	1.0000	008F0801.D	4
9	9	1	M2020-2216-1-A	-	1.0000	009F0901.D	4
10	10	1	M2020-2216-1-B	-	1.0000	010F1001.D	4
11	11	1	M2020-2217-1-A	-	1.0000	011F1101.D	4
12	12	1	M2020-2217-1-B	-	1.0000	012F1201.D	4
13	13	1	M2020-2231-1-A	-	1.0000	013F1301.D	4
14	14	1	M2020-2231-1-B	-	1.0000	014F1401.D	4
15	15	1	M2020-2252-1-A	-	1.0000	015F1501.D	2
16	16	1	M2020-2252-1-B	-	1.0000	016F1601.D	2
17	17	1	M2020-2263-1-A	-	1.0000	017F1701.D	6
18	18	1	M2020-2263-1-B	-	1.0000	018F1801.D	6
19	19	1	M2020-2264-1-A	-	1.0000	019F1901.D	4
20	20	1	M2020-2264-1-B	-	1.0000	020F2001.D	4
21	21	1	M2020-2265-1-A	-	1.0000	021F2101.D	4
22	22	1	M2020-2265-1-B	-	1.0000	022F2201.D	4
23	23	1	M2020-2270-1-A	-	1.0000	023F2301.D	4
24	24	1	M2020-2270-1-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	M2020-2271-1-A	-	1.0000	027F2701.D	2
28	28	1	M2020-2271-1-B	-	1.0000	028F2801.D	2
29	29	1	M2020-2272-1-A	-	1.0000	029F2901.D	2
30	30	1	M2020-2272-1-B	-	1.0000	030F3001.D	2
31	31	1	M2020-2282-1-A	-	1.0000	031F3101.D	4
32	32	1	M2020-2282-1-B	-	1.0000	032F3201.D	4
33	33	1	M2020-2327-1-A	-	1.0000	033F3301.D	4
34	34	1	M2020-2327-1-B	-	1.0000	034F3401.D	4
35	35	1	M2020-2328-1-A	-	1.0000	035F3501.D	4
36	36	1	M2020-2328-1-B	-	1.0000	036F3601.D	4
37	37	1	P2020-1806-2-A	-	1.0000	037F3701.D	4
38	38	1	P2020-1806-2-B	-	1.0000	038F3801.D	4
39	39	1	P2020-1832-2-A	-	1.0000	039F3901.D	2
40	40	1	P2020-1832-2-B	-	1.0000	040F4001.D	2
41	41	1	QC1-2-A	-	1.0000	041F4101.D	4
42	42	1	QC1-2-B	-	1.0000	042F4201.D	4
43	43	1	INTERNAL STD BLK	-	1.0000	043F4301.D	2

JC

Method file name: C:\Chem32\1\Data\06-23-20_SAMPLES\6-23-20_SAMPLES 2020-06-23 11-36-17\SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
44	44	1	EMPTY	-	1.0000	044F4401.D		0

Calibration Table

General Calibration Setting

Calib. Data Modified : Monday, June 15, 2020 11:20:07 AM
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

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

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	4.43902	1.12637e-2	No	No	1	ethanol
		2	1.00000e-1	8.85341	1.12951e-2				
		3	2.00000e-1	17.57347	1.13808e-2				
		4	3.00000e-1	26.73905	1.12195e-2				
		5	5.00000e-1	44.02878	1.13562e-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	4.54809	1.09936e-2	No	No	2	ethanol
		2	1.00000e-1	9.06243	1.10346e-2				
		3	2.00000e-1	18.22939	1.09713e-2				
		4	3.00000e-1	27.99216	1.07173e-2				
		5	5.00000e-1	46.40215	1.07754e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	42.91658	2.33010e-2	No	Yes	1	n-propanol
		2	1.00000	42.60219	2.34730e-2				
		3	1.00000	42.01823	2.37992e-2				
		4	1.00000	42.56452	2.34937e-2				
		5	1.00000	41.88836	2.38730e-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	44.72614	2.23583e-2	No	Yes	2	n-propanol
		2	1.00000	43.78362	2.28396e-2				
		3	1.00000	42.96523	2.32746e-2				
		4	1.00000	43.37846	2.30529e-2				
		5	1.00000	42.58672	2.34815e-2				

Peak Sum Table

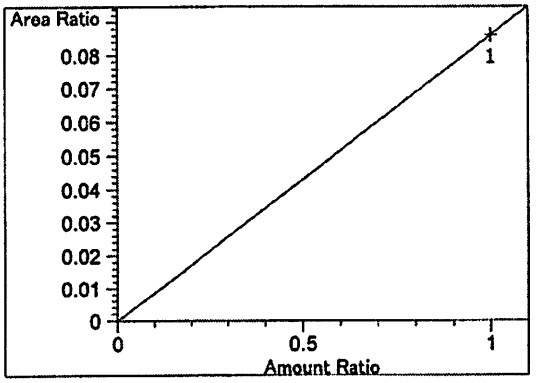
No Entries in table

51 Warnings or Errors (10 first messages follow) :

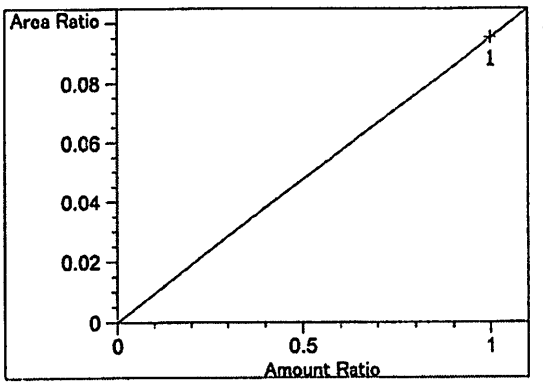
Warning : Curve requires more calibration points., (methanol)
Warning : Curve requires more calibration points. at 2.586 min, signal 1
Warning : Curve requires more calibration points. at 2.809 min, signal 1
Warning : Curve requires more calibration points. at 2.977 min, signal 2
Warning : Curve requires more calibration points. at 3.388 min, signal 2
Warning : Curve requires more calibration points. at 3.628 min, signal 1
Warning : Curve requires more calibration points. at 4.308 min, signal 1
Warning : Curve requires more calibration points. at 4.62 min, signal 1
Warning : Curve requires more calibration points. at 4.661 min, signal 2
Warning : Curve requires more calibration points. at 4.969 min, signal 2

JG

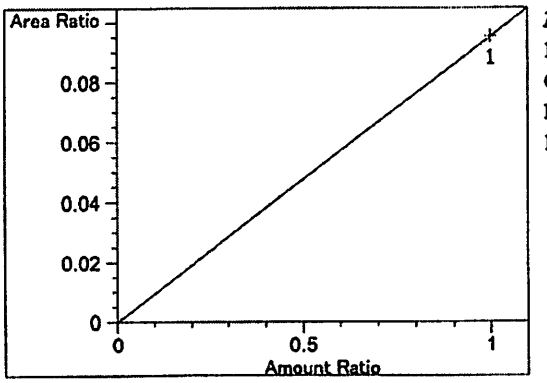
Calibration Curves



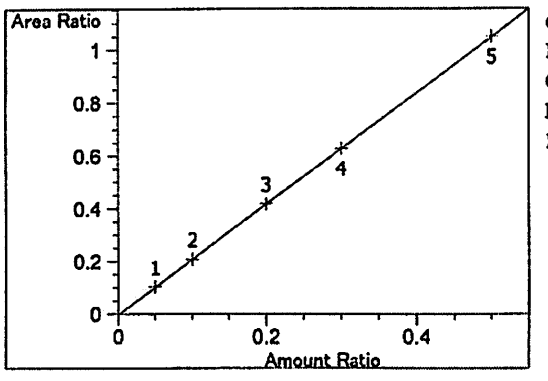
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.61367e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



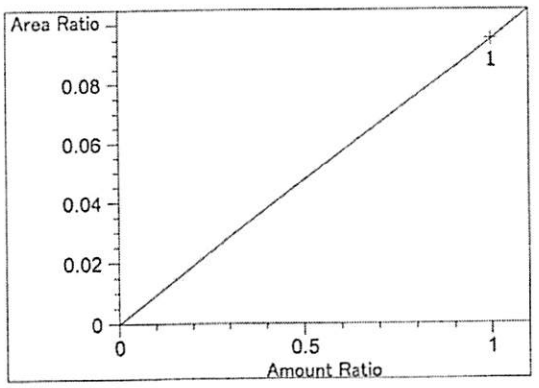
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.52687e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



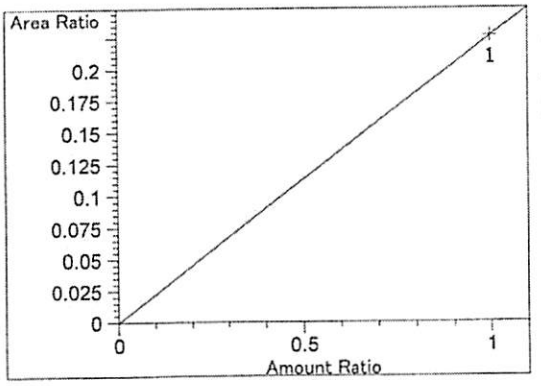
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.52687e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



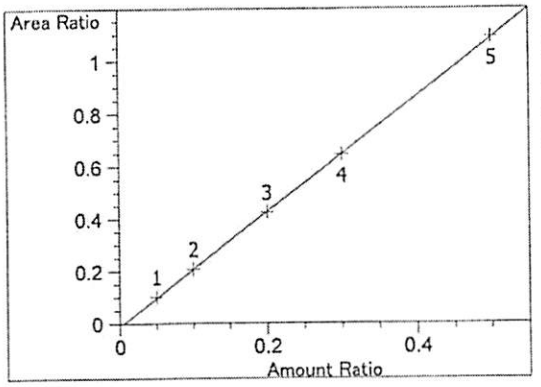
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00085
Formula: y = mx + b
m: 2.10617
b: -2.66194e-3
x: Amount Ratio
y: Area Ratio



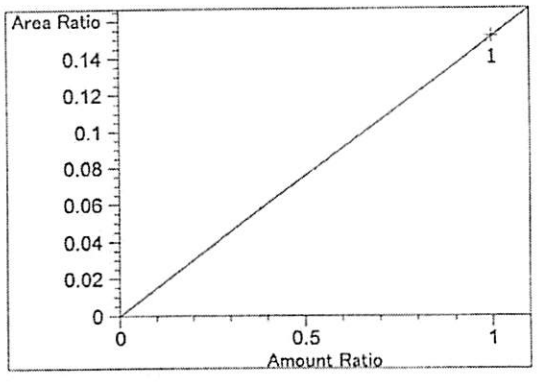
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.52603e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.26732e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

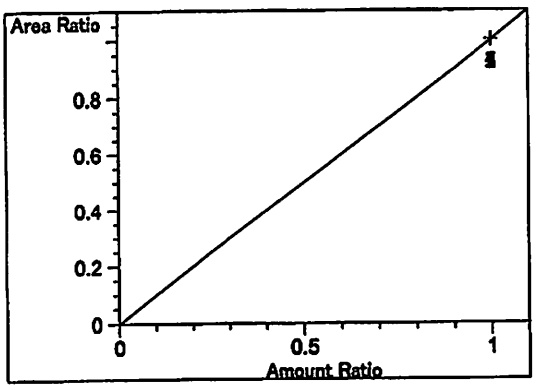


ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00352
Formula: y = mx + b
m: 2.19860
b: -1.21094e-2
x: Amount Ratio
y: Area Ratio

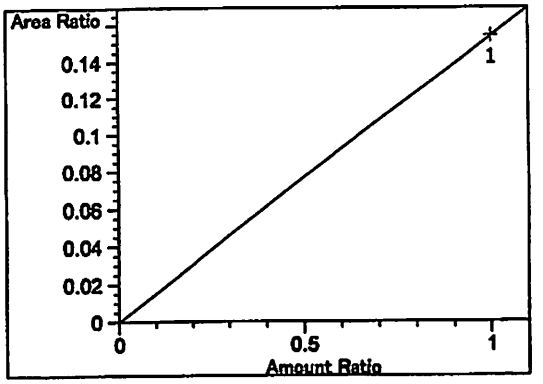


acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.51443e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

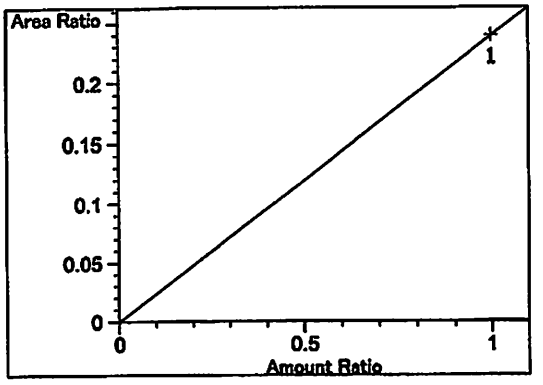
JG



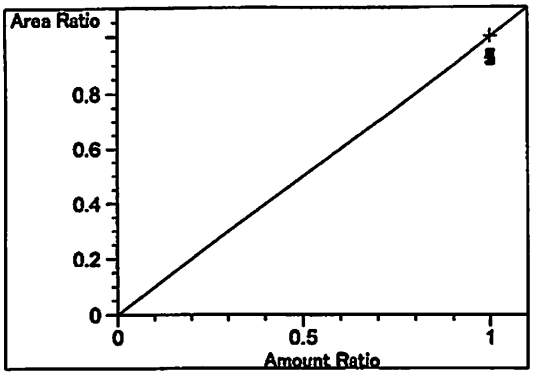
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.54116e-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: 2.39377e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

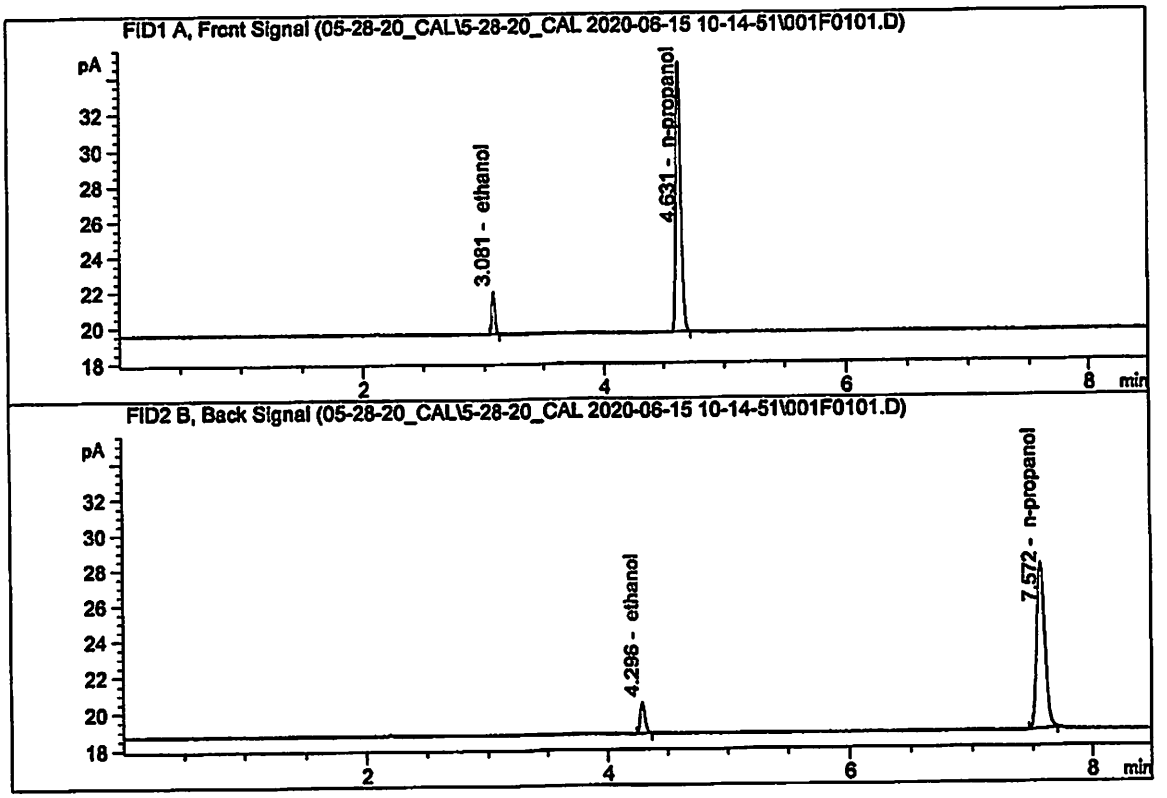


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

JG

ISP Forensic Services Blood Alcohol Report

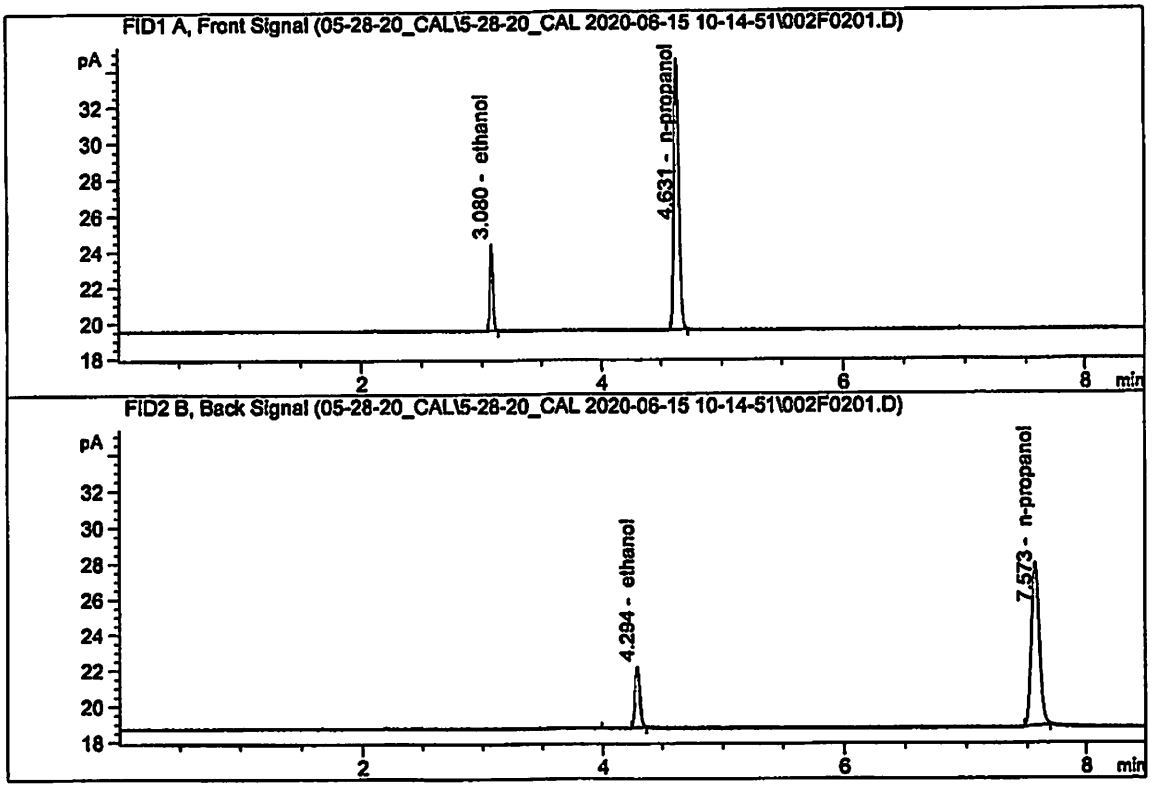
Sample Name	:	0.050 FN05211804
Laboratory	:	Meridian
Injection Date	:	Jun 15, 2020
Method	:	ALCOHOL.M
Acq. Instrument	:	CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.43902	0.0504	g/100cc
2.	Ethanol	Column 2:	4.54809	0.0518	g/100cc
3.	n-Propanol	Column 1:	42.91658	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.72614	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Jun 15, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

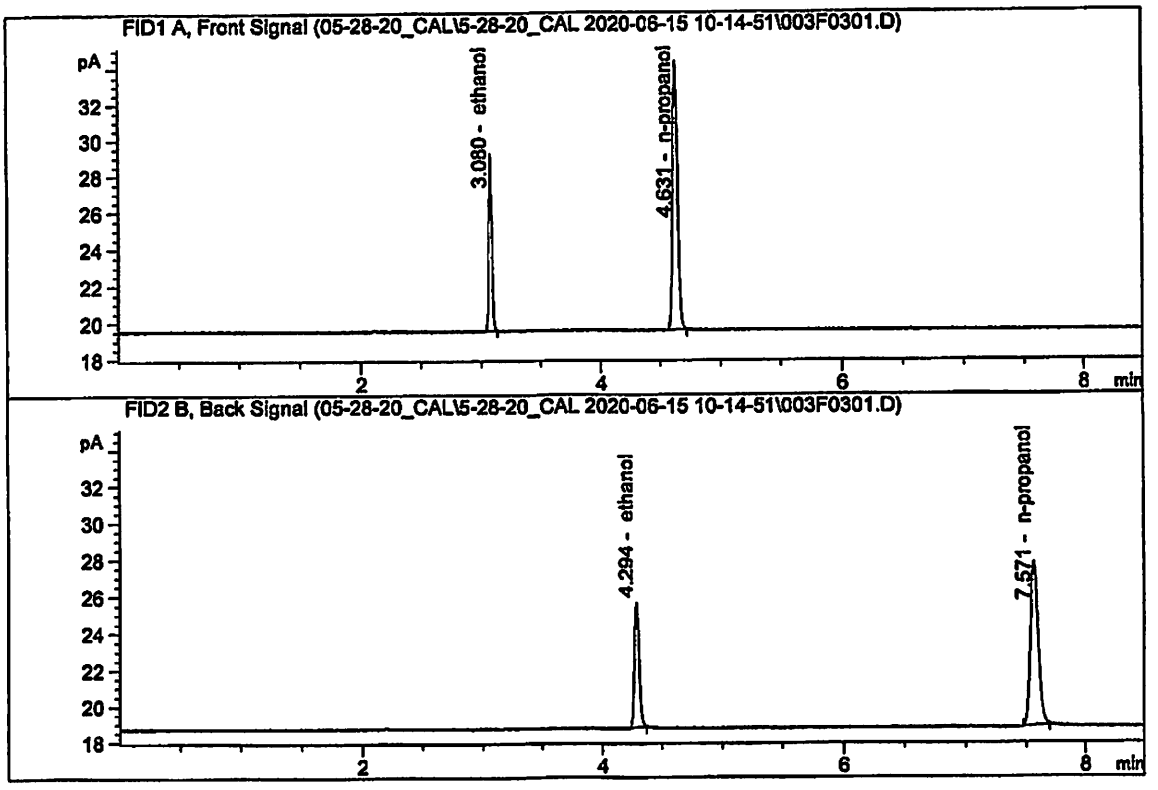


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.85341	0.0999	g/100cc
2.	Ethanol	Column 2:	9.06243	0.0997	g/100cc
3.	n-Propanol	Column 1:	42.60219	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.78362	1.0000	g/100cc

SG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Jun 15, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

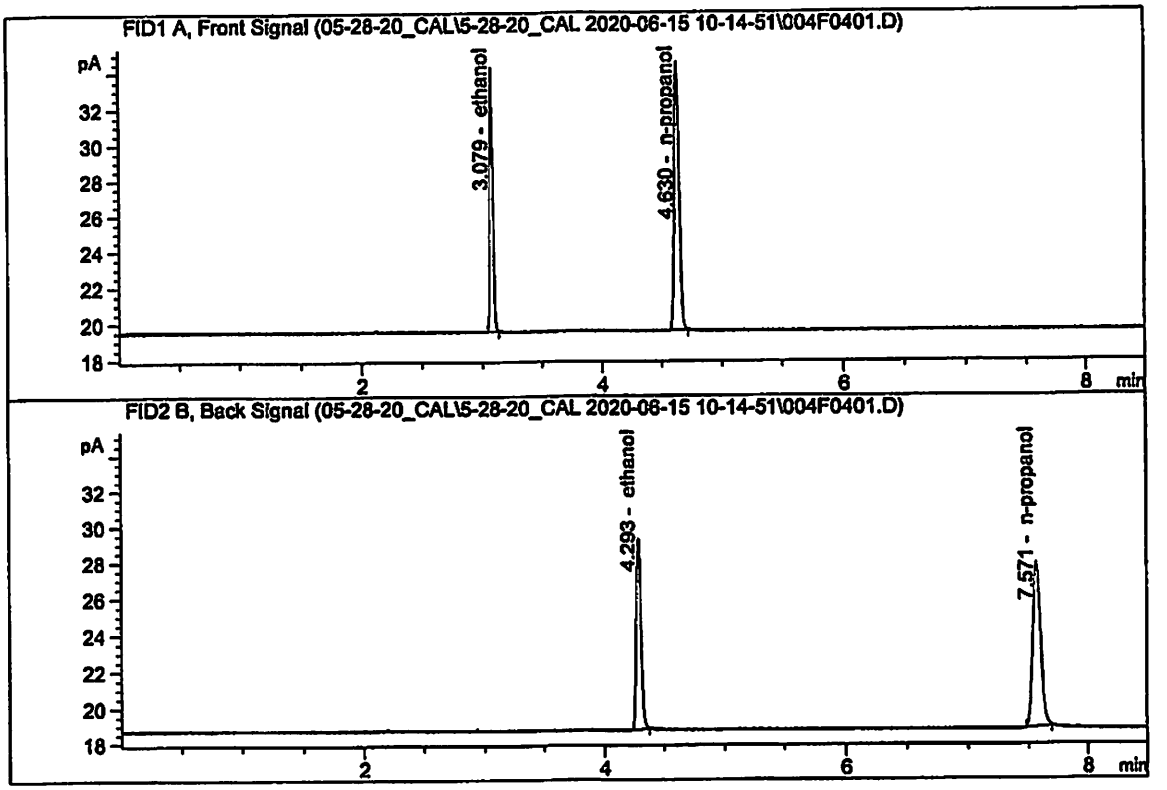


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.57347	0.1998	g/100cc
2.	Ethanol	Column 2:	18.22939	0.1985	g/100cc
3.	n-Propanol	Column 1:	42.01823	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.96523	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Jun 15, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

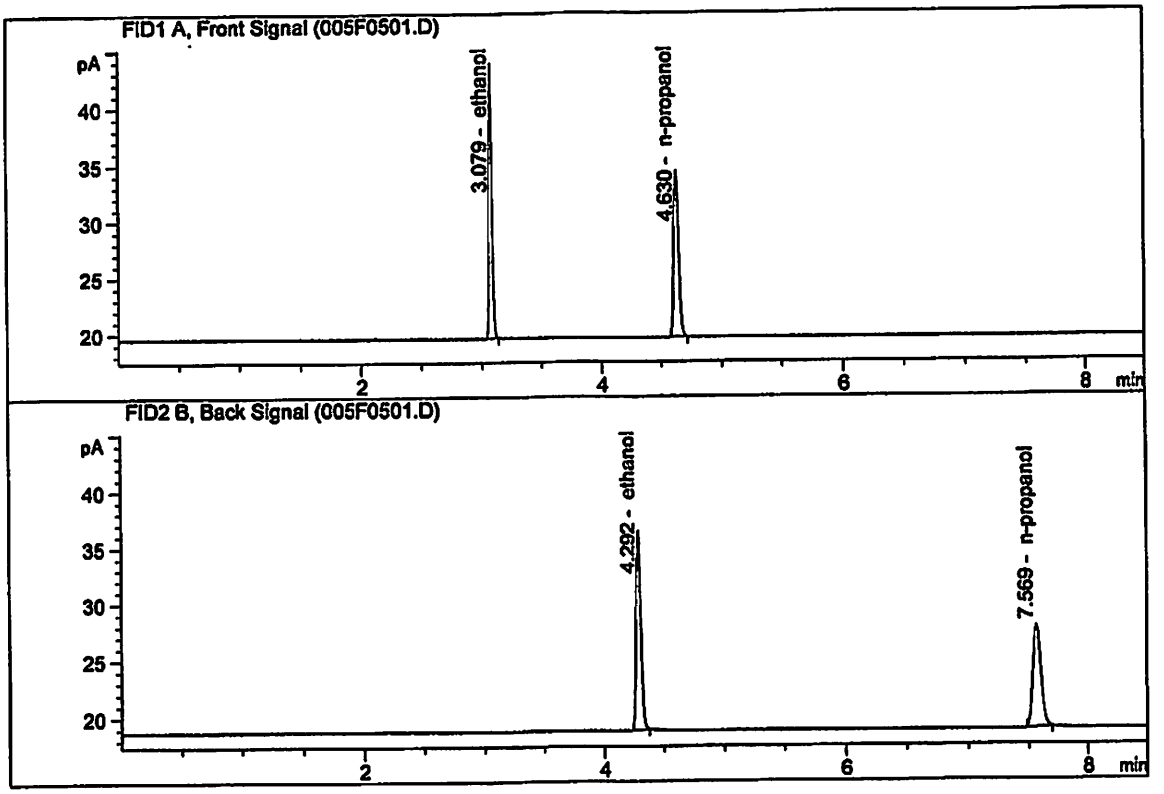


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.73905	0.2995	g/100cc
2.	Ethanol	Column 2:	27.99216	0.2990	g/100cc
3.	n-Propanol	Column 1:	42.56452	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.37846	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Jun 15, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

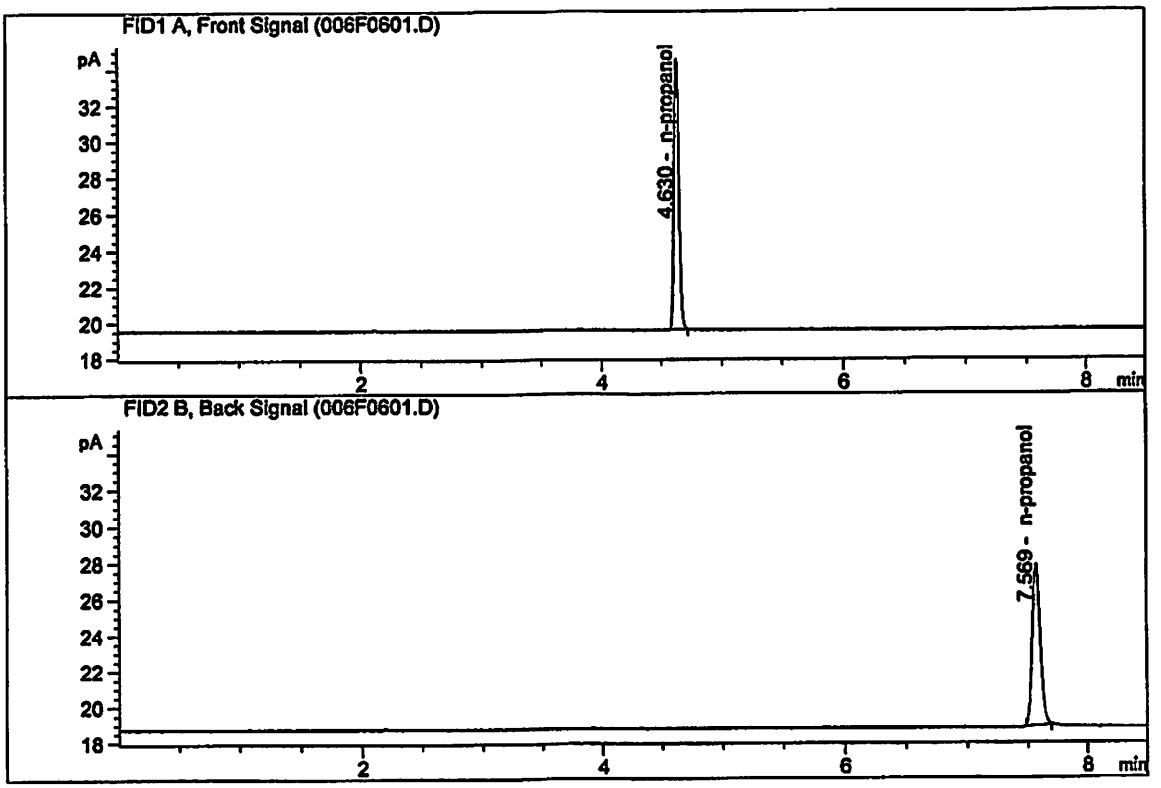


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.02878	0.5003	g/100cc
2.	Ethanol	Column 2:	46.40215	0.5011	g/100cc
3.	n-Propanol	Column 1:	41.88836	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.58672	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Jun 15, 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:	42.46056	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.30332	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\05-28-20_CAL\5-28-20_CAL 2020-06-15 10-14-51\5-28-20_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\05-28-20_CAL\5-28-20_CAL 2020-06-15 10-14-51\5-28-20_CAL S
Data directory path: C:\Chem32\1\Data\05-28-20_CAL\5-28-20_CAL 2020-06-15 10-14-51\
Logbook: C:\Chem32\1\Data\05-28-20_CAL\5-28-20_CAL 2020-06-15 10-14-51\5-28-20_CAL LOG
Sequence start: 6/15/2020 10:29:33 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\05-28-20_CAL\5-28-20_CAL 2020-06-15 10-14-51\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

Cal curve was incorrectly saved as 5/28/20
It was run 6/15/20

JC 6/16/20

JC