Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 600A Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls **Run Date(s):09/04/19**

Calibration Date: 09/04/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0782 g/100cc
					0.0781 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2021 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**	**Lot #**	FN06041502		ok
Curve Fit:	**Column 1**	0.99993	**Column2**		0.99985

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0532	0.0546	0.0014	0.0539
100	0.100	0.090 - 0.110	0.0977	0.0974	0.0003	0.0975
200	0.200	0.180 - 0.220	0.1984	0.1975	0.0009	0.1979
300	0.300	0.270 - 0.330	0.2998	0.2987	0.0011	0.2992
500	0.500	0.450 - 0.550	0.5009	0.5019	0.001	0.5014

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.077 g/100cc

JL

Revision: 1
Issue Date: 01/03/2019
Issuing Authority: Quality Manager

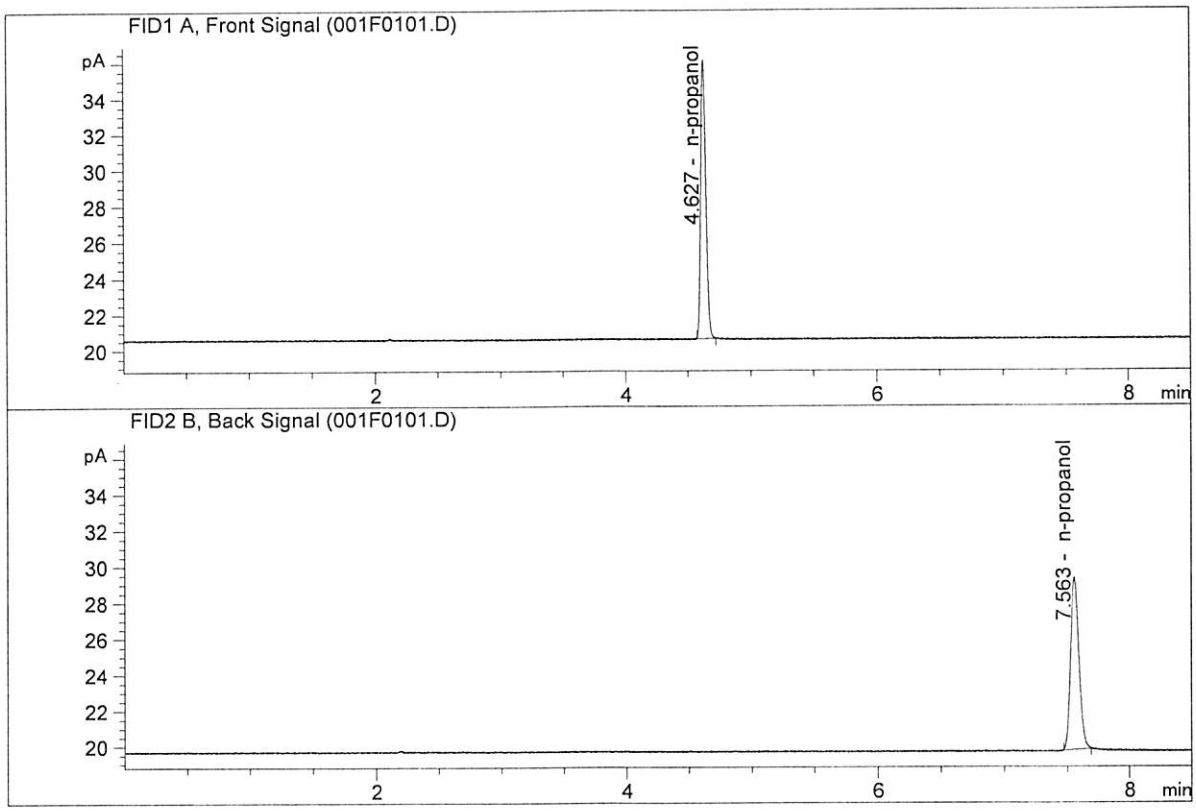
Worklist: 3656

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2019-3369	6	161056	Alcohol Analysis
M2019-3758	1	160740	Alcohol Analysis
M2019-3760	1	160743	Alcohol Analysis
M2019-3777	1	160775	Alcohol Analysis
M2019-3803	1	161057	Alcohol Analysis
M2019-3816	1	161107	Alcohol Analysis
M2019-3817	1	161111	Alcohol Analysis
M2019-3828	2	161136	Alcohol Analysis
M2019-3831	1	161223	Alcohol Analysis
M2019-3832	1	161232	Alcohol Analysis
M2019-3852	1	161489	Alcohol Analysis
M2019-3858	1	161517	Alcohol Analysis
M2019-3863	1	161565	Alcohol Analysis
M2019-3884	1	161641	Alcohol Analysis
M2019-3905	1	161763	Alcohol Analysis
M2019-3911	1	161830	Alcohol Analysis
M2019-3924	1	161948	Alcohol Analysis
M2019-3925	1	161949	Alcohol Analysis
P2019-2531	3	161228	Alcohol Analysis

JA

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

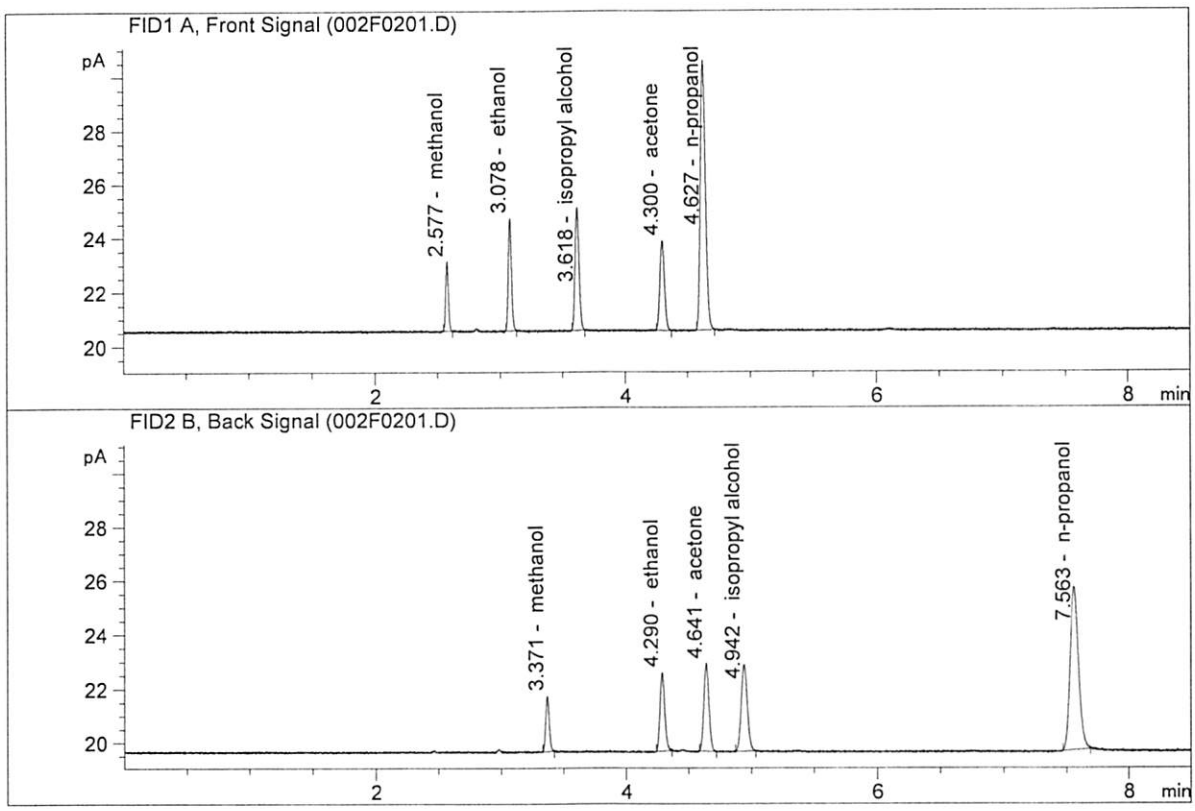


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.94538	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.91695	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.36294	0.1278	g/100cc
2.	Ethanol	Column 2:	7.66335	0.1286	g/100cc
3.	n-Propanol	Column 1:	28.07633	1.0000	g/100cc
4.	n-Propanol	Column 2:	28.84624	1.0000	g/100cc

JL

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 04 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0778	0.0777	0.0001	0.0777	0.0782	
(g/100cc)	0.0783	0.0793	0.0010	0.0788		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

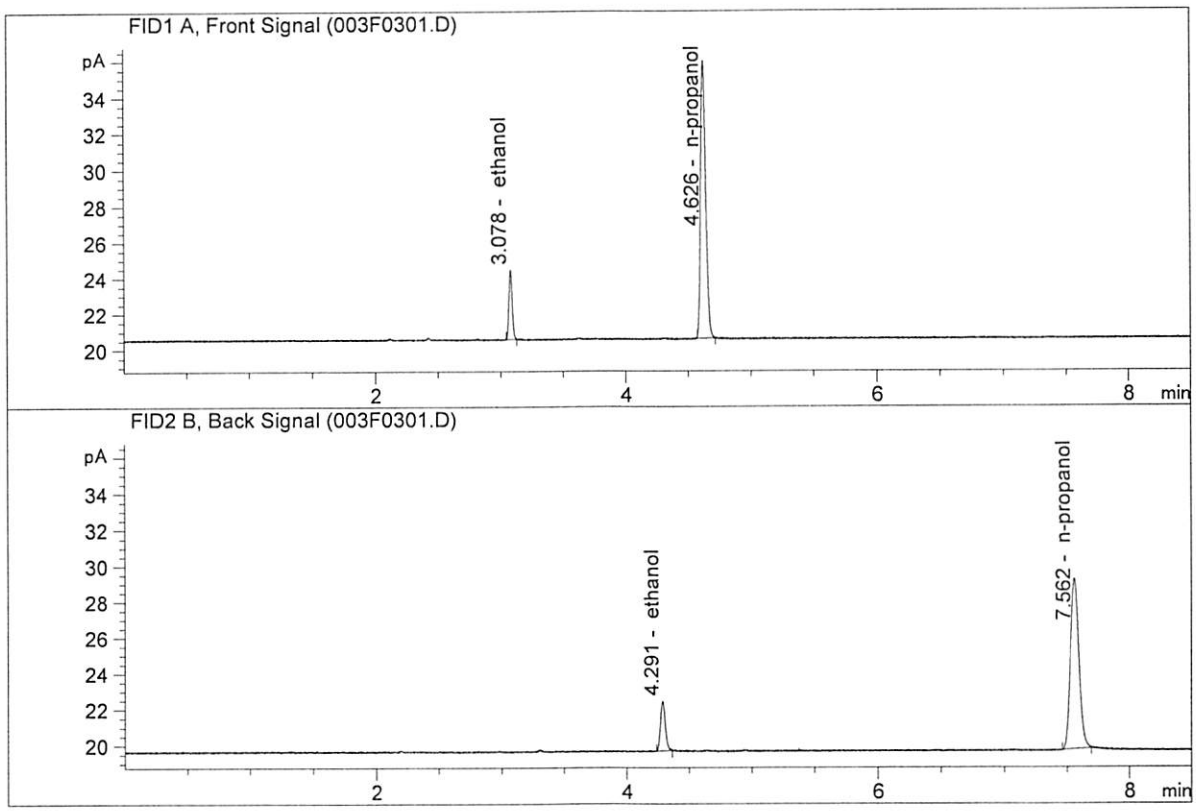
	Reported Result	
	0.078	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

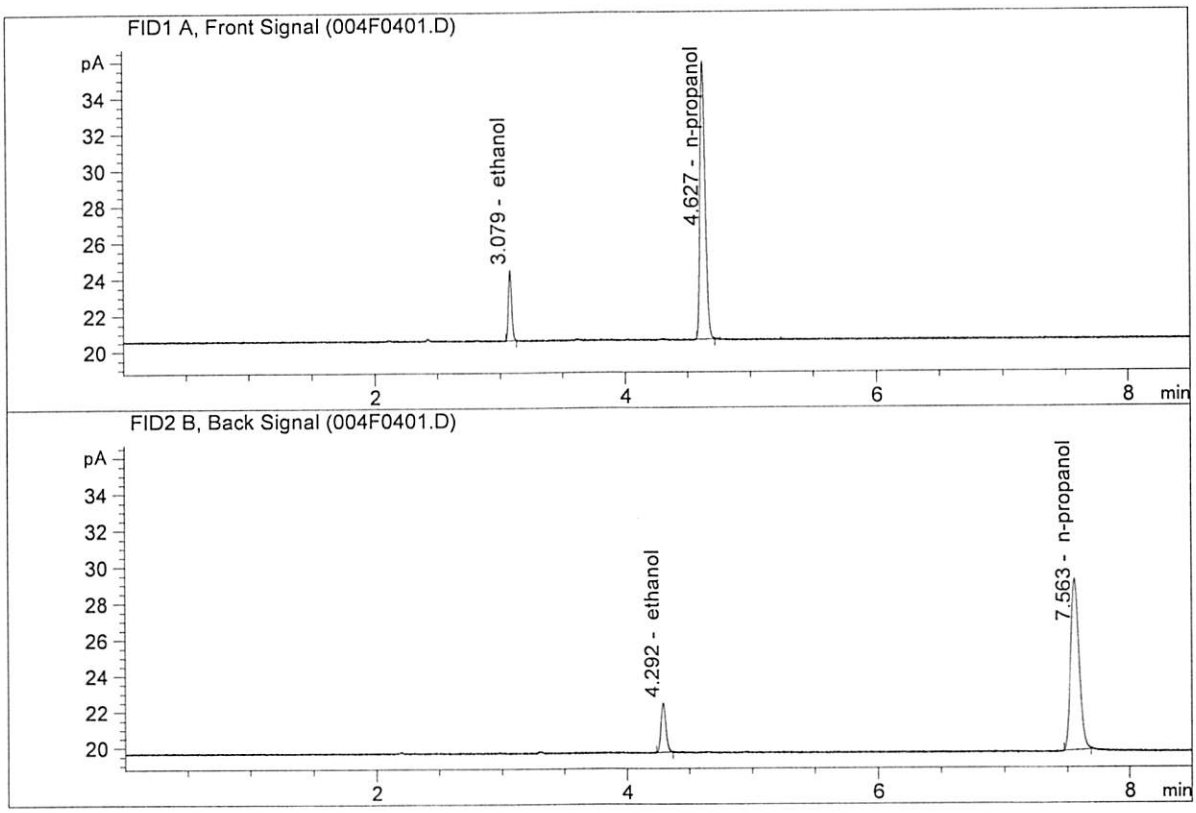


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.04891	0.0778	g/100cc
2.	Ethanol	Column 2:	7.28211	0.0777	g/100cc
3.	n-Propanol	Column 1:	43.66650	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.48669	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.05910	0.0783	g/100cc
2.	Ethanol	Column 2:	7.36541	0.0793	g/100cc
3.	n-Propanol	Column 1:	43.49150	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.07112	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 04 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0774	0.0778	0.0004	0.0776	0.0779	
(g/100cc)	0.0781	0.0784	0.0003	0.0782		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

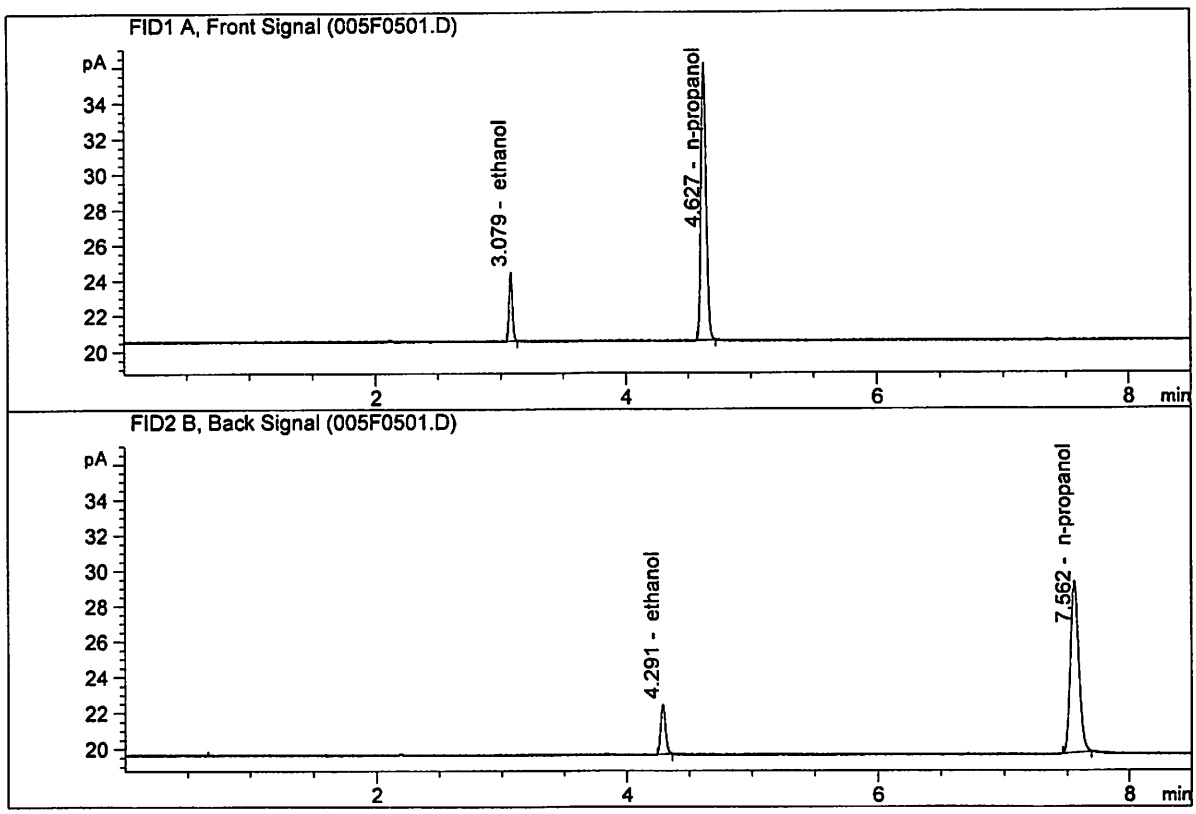
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

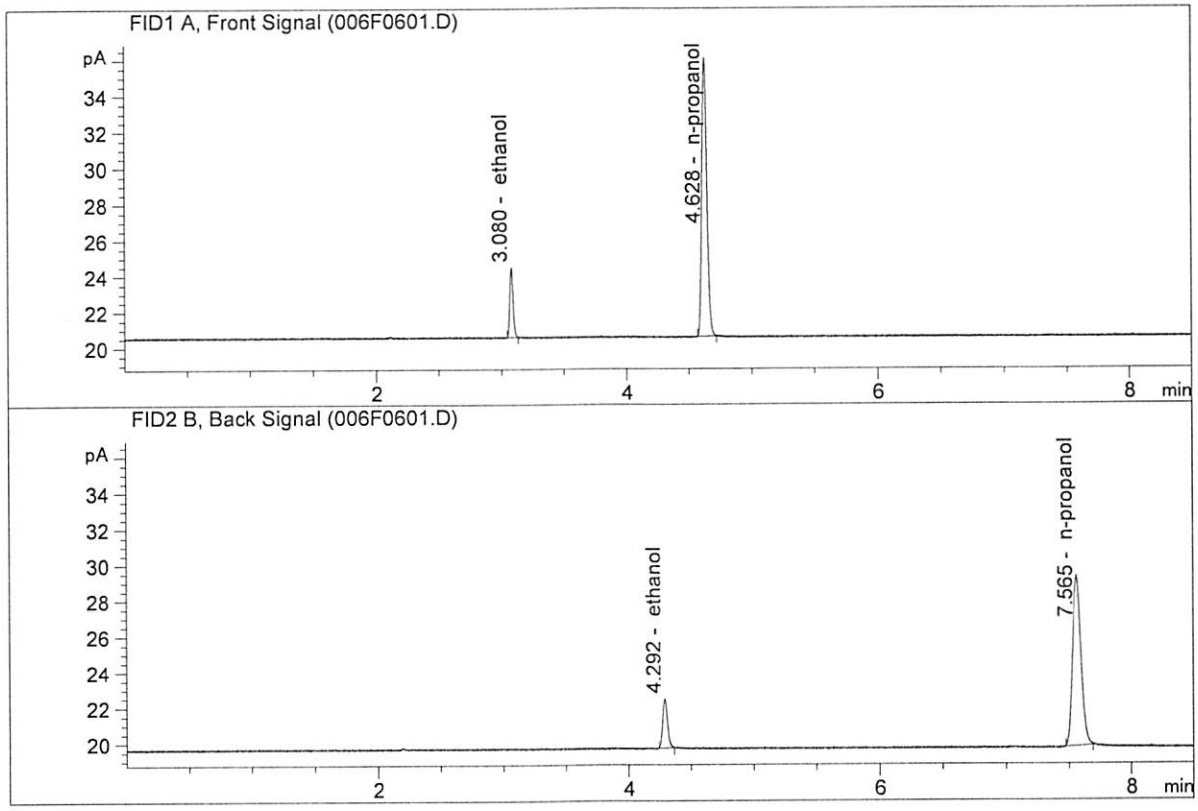
Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.12471	0.0774	g/100cc
2.	Ethanol	Column 2:	7.40077	0.0778	g/100cc
3.	n-Propanol	Column 1:	44.35617	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.17097	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.11246	0.0781	g/100cc
2.	Ethanol	Column 2:	7.36797	0.0784	g/100cc
3.	n-Propanol	Column 1:	43.92230	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.62001	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 04 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2025	0.2024	0.0001	0.2024	0.2021	
(g/100cc)	0.2022	0.2016	0.0006	0.2019		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

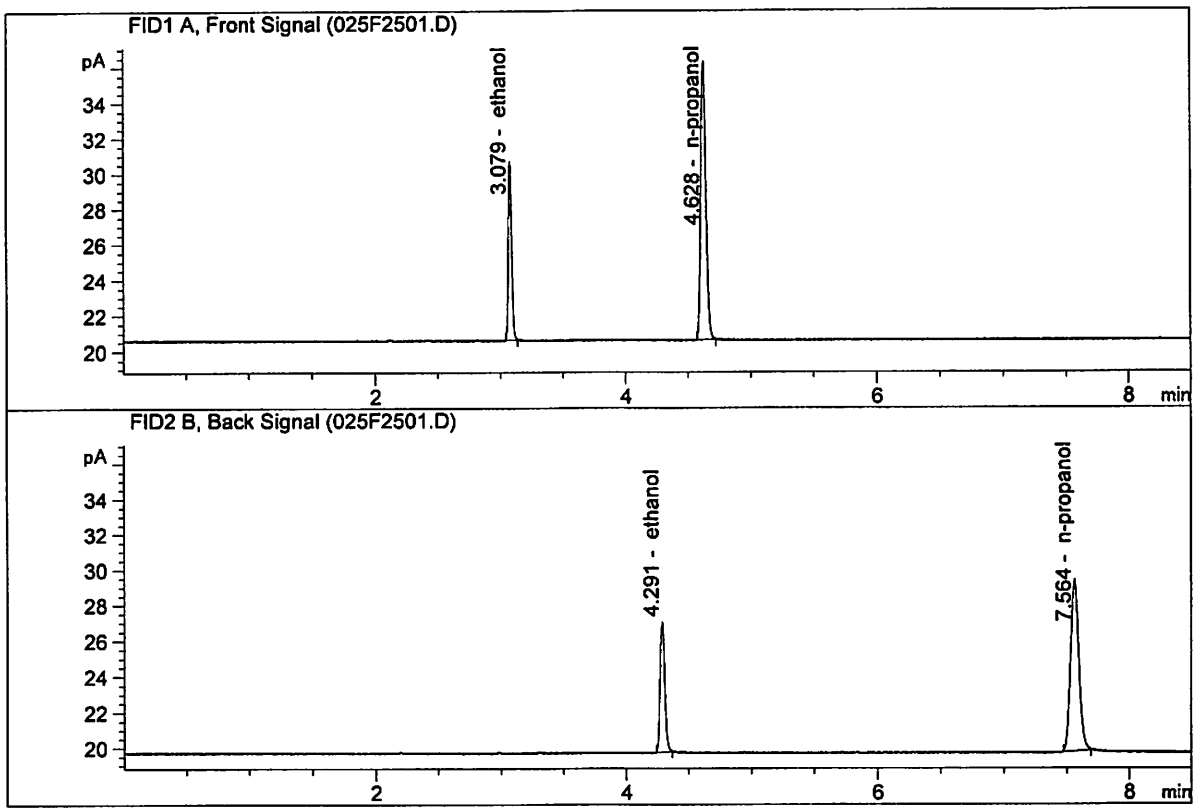
Overall Mean (g/100cc)	Low	High	5% of Mean
0.202	0.191	0.213	0.011

	Reported Result	
	0.202	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

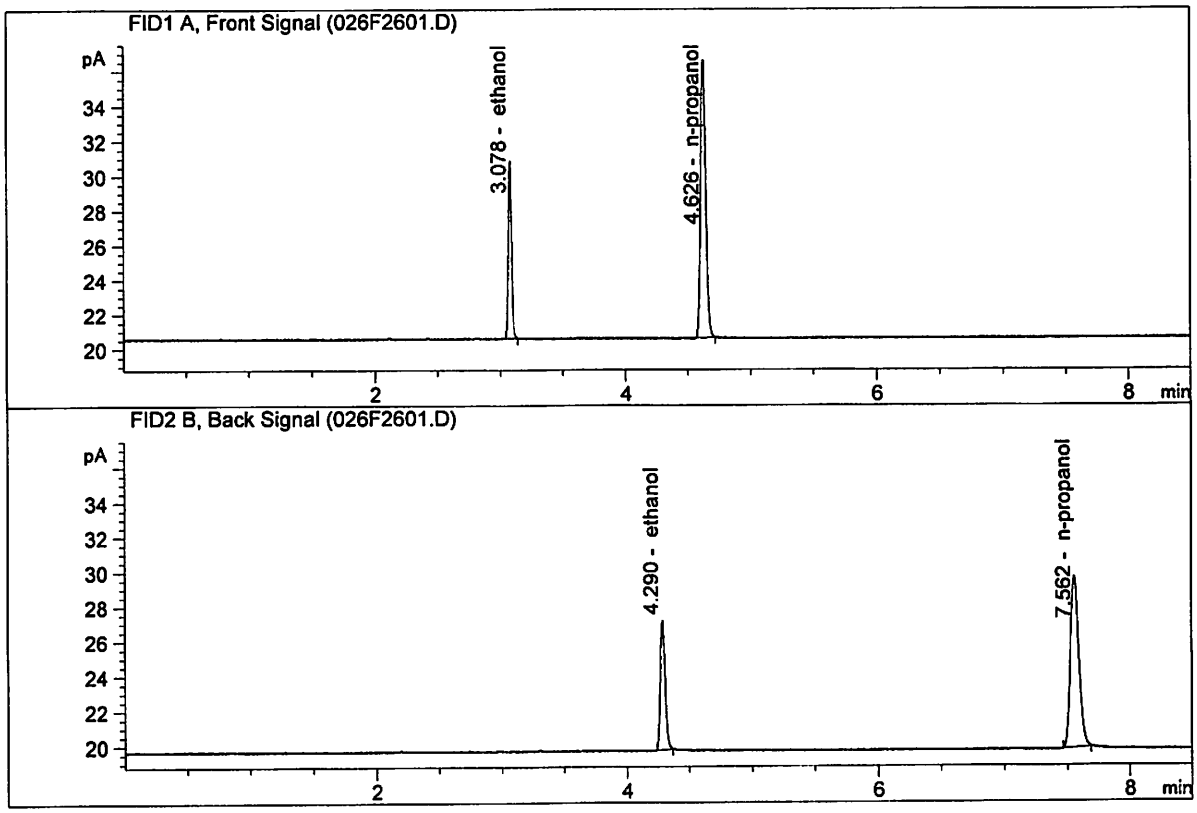
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.41339	0.2025	g/100cc
2.	Ethanol	Column 2:	19.34043	0.2024	g/100cc
3.	n-Propanol	Column 1:	44.58024	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.19680	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.83025	0.2022	g/100cc
2.	Ethanol	Column 2:	19.72904	0.2016	g/100cc
3.	n-Propanol	Column 1:	45.64788	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.30585	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 04 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0783	0.0787	0.0004	0.0785	0.0781	
(g/100cc)	0.0775	0.0782	0.0007	0.0778		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

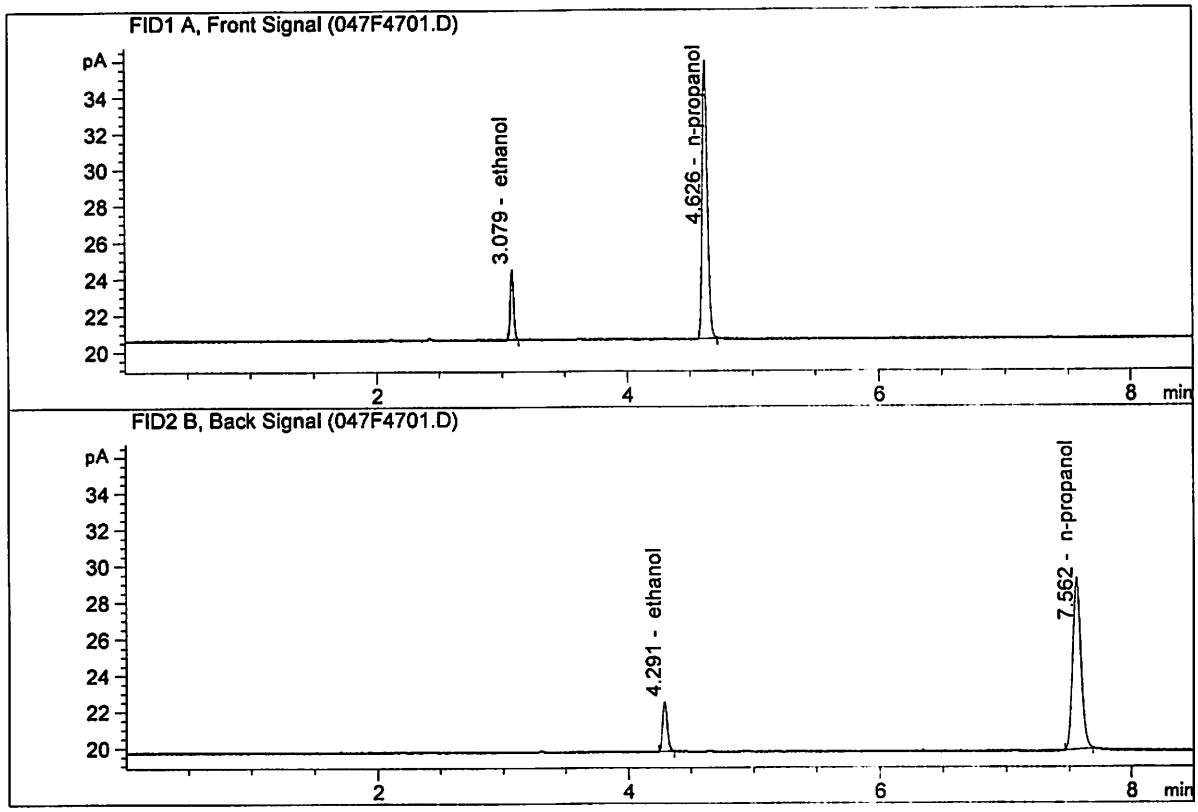
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.07685	0.0783	g/100cc
2.	Ethanol	Column 2:	7.33040	0.0787	g/100cc
3.	n-Propanol	Column 1:	43.56916	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.20567	1.0000	g/100cc

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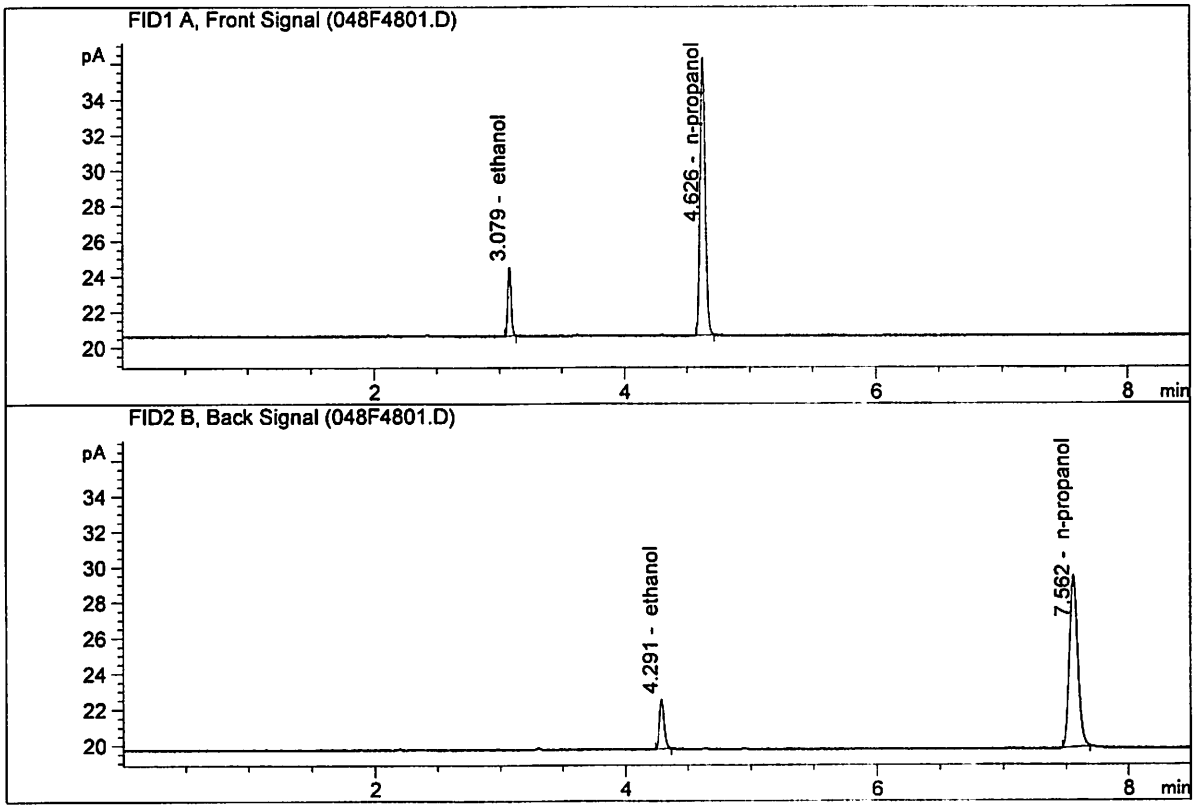
ISP Forensic Services Blood Alcohol Report

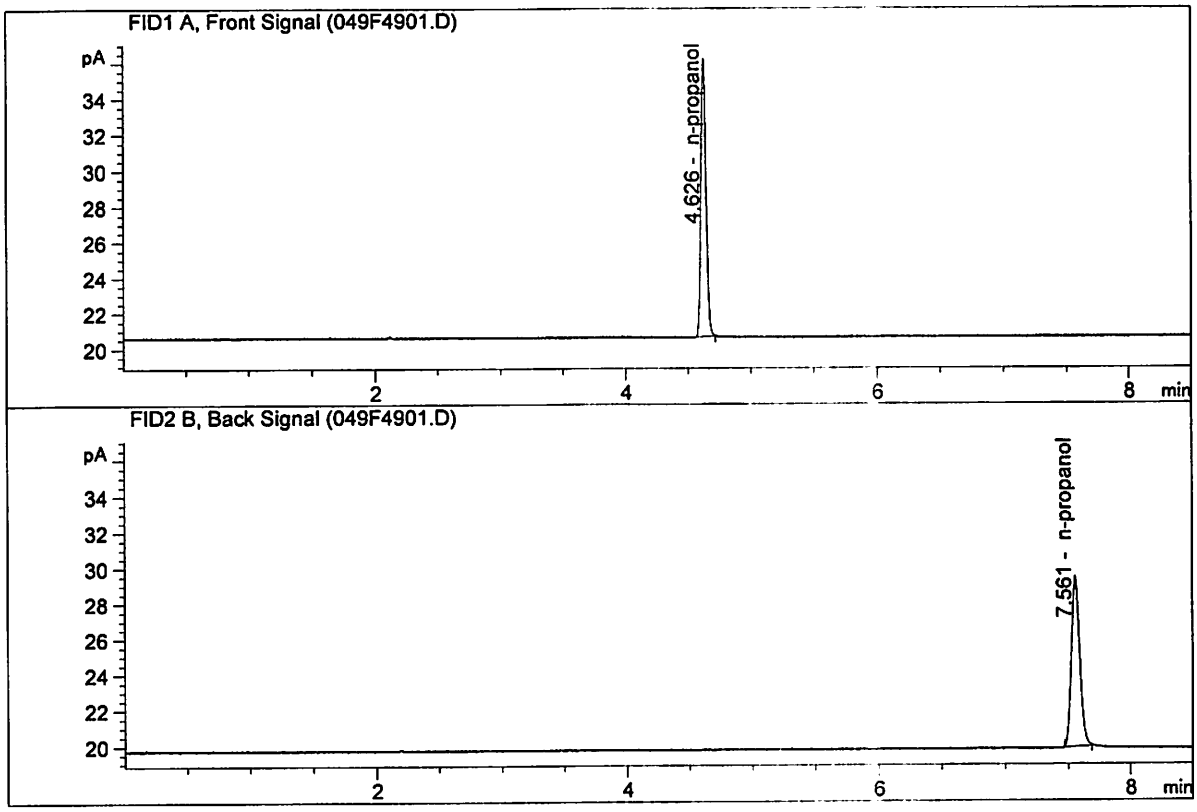
Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.18071	0.0775	g/100cc
2.	Ethanol	Column 2:	7.45699	0.0782	g/100cc
3.	n-Propanol	Column 1:	44.65375	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.28339	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.30360	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.02626	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\Data\09-04-19_SAMPLES\09-04-19_SAMPLES 2019-09-04 11-37-56\09-04-19_SAMPLES.S
Data directory path: C:\Chem32\1\Data\09-04-19_SAMPLES\09-04-19_SAMPLES 2019-09-04 11-37-56\
Logbook: C:\Chem32\1\Data\09-04-19_SAMPLES\09-04-19_SAMPLES 2019-09-04 11-37-56\09-04-19_SAMPLES.LOG
Sequence start: 9/4/2019 11:52:42 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\09-04-19_SAMPLES\09-04-19_SAMPLES 2019-09-04 11-37-56\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	M2019-3369-6-A	-	1.0000	007F0701.D		2
8	8	1	M2019-3369-6-B	-	1.0000	008F0801.D		2
9	9	1	M2019-3758-1-A	-	1.0000	009F0901.D		4
10	10	1	M2019-3758-1-B	-	1.0000	010F1001.D		4
11	11	1	M2019-3760-1-A	-	1.0000	011F1101.D		4
12	12	1	M2019-3760-1-B	-	1.0000	012F1201.D		4
13	13	1	M2019-3777-1-A	-	1.0000	013F1301.D		4
14	14	1	M2019-3777-1-B	-	1.0000	014F1401.D		4
15	15	1	M2019-3803-1-A	-	1.0000	015F1501.D		4
16	16	1	M2019-3803-1-B	-	1.0000	016F1601.D		4
17	17	1	M2019-3816-1-A	-	1.0000	017F1701.D		2
18	18	1	M2019-3816-1-B	-	1.0000	018F1801.D		2
19	19	1	M2019-3817-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-3817-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-3828-2-A	-	1.0000	021F2101.D		2
22	22	1	M2019-3828-2-B	-	1.0000	022F2201.D		2
23	23	1	M2019-3831-1-A	-	1.0000	023F2301.D		4
24	24	1	M2019-3831-1-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	M2019-3832-1-A	-	1.0000	027F2701.D		4
28	28	1	M2019-3832-1-B	-	1.0000	028F2801.D		4
29	29	1	M2019-3852-1-A	-	1.0000	029F2901.D		4
30	30	1	M2019-3852-1-B	-	1.0000	030F3001.D		4
31	31	1	M2019-3858-1-A	-	1.0000	031F3101.D		4
32	32	1	M2019-3858-1-B	-	1.0000	032F3201.D		4
33	33	1	M2019-3863-1-A	-	1.0000	033F3301.D		4
34	34	1	M2019-3863-1-B	-	1.0000	034F3401.D		4
35	35	1	M2019-3884-1-A	-	1.0000	035F3501.D		4
36	36	1	M2019-3884-1-B	-	1.0000	036F3601.D		4
37	37	1	M2019-3905-1-A	-	1.0000	037F3701.D		4
38	38	1	M2019-3905-1-B	-	1.0000	038F3801.D		4
39	39	1	M2019-3911-1-A	-	1.0000	039F3901.D		4
40	40	1	M2019-3911-1-B	-	1.0000	040F4001.D		4
41	41	1	M2019-3924-1-A	-	1.0000	041F4101.D		4
42	42	1	M2019-3924-1-B	-	1.0000	042F4201.D		4
43	43	1	M2019-3925-1-A	-	1.0000	043F4301.D		4

36

Sequence File C:\Chem32\...9_SAMPLES\09-04-19_SAMPLES 2019-09-04 11-37-56\09-04-19_SAMPLES.S

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
44	44	1	M2019-3925-1-B	-	1.0000	044F4401.D		4
45	45	1	P2019-2531-~~2~~ 3 A JC	-	1.0000	045F4501.D		2
46	46	1	P2019-2531-~~2~~ 3 B JC	-	1.0000	046F4601.D		2
47	47	1	QC1-2-A	-	1.0000	047F4701.D		4
48	48	1	QC1-2-B	-	1.0000	048F4801.D		4
49	49	1	INTERNAL STD BLK	-	1.0000	049F4901.D		2

Method file name: C:\Chem32\1\Data\09-04-19_SAMPLES\09-04-19_SAMPLES 2019-09-04 11-37-56\SHUTDOWN.M

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
50	50	1	EMPTY	-	1.0000	050F5001.D		0

JC

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, September 04, 2019 10:58:49 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

JG

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	4.25720	1.17448e-2	No	No	1	ethanol
		2	1.00000e-1	8.90987	1.12235e-2				
		3	2.00000e-1	17.84195	1.12095e-2				
		4	3.00000e-1	26.86784	1.11658e-2				
		5	5.00000e-1	45.26815	1.10453e-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	4.46932	1.11874e-2	No	No	2	ethanol
		2	1.00000e-1	9.30409	1.07480e-2				
		3	2.00000e-1	18.73461	1.06754e-2				
		4	3.00000e-1	28.36174	1.05776e-2				
		5	5.00000e-1	48.14100	1.03862e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	38.11259	2.62380e-2	No	Yes	1	n-propanol
		2	1.00000	44.20329	2.26228e-2				
		3	1.00000	44.06552	2.26935e-2				
		4	1.00000	44.08052	2.26858e-2				
		5	1.00000	44.57993	2.24316e-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	39.86404	2.50853e-2	No	Yes	2	n-propanol
		2	1.00000	46.32649	2.15859e-2				
		3	1.00000	45.85822	2.18063e-2				
		4	1.00000	45.86211	2.18045e-2				
		5	1.00000	46.29112	2.16024e-2				

Peak Sum Table

No Entries in table

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1 Warnings or Errors :

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

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Calibration Curves

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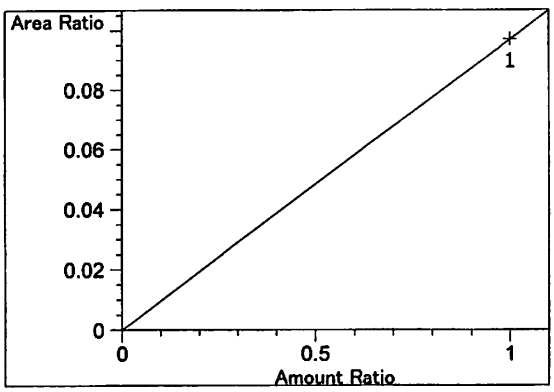
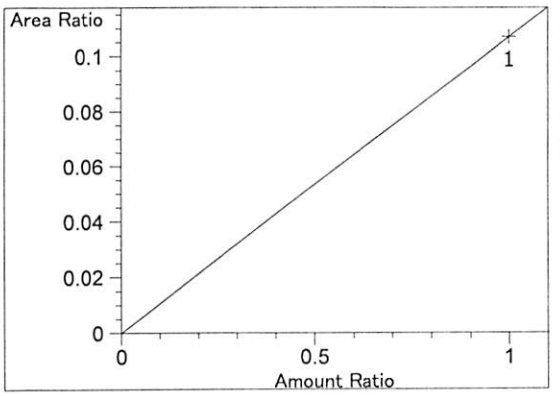
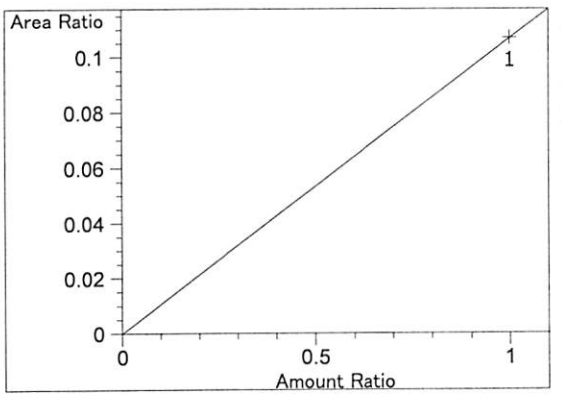


methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.69941e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

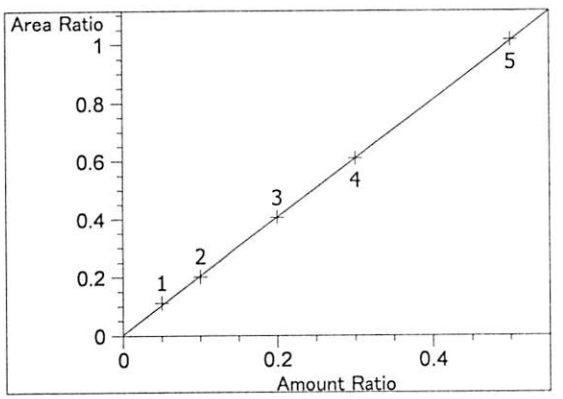
JG



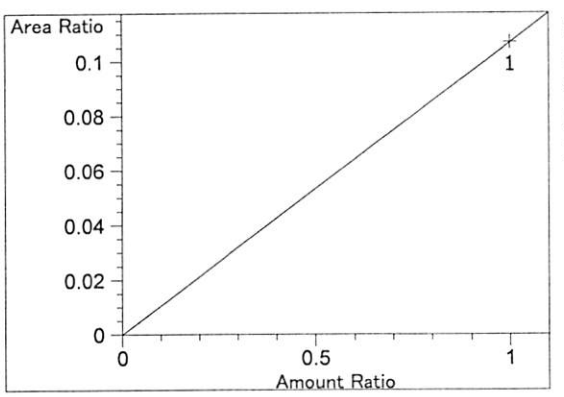
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.06888e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



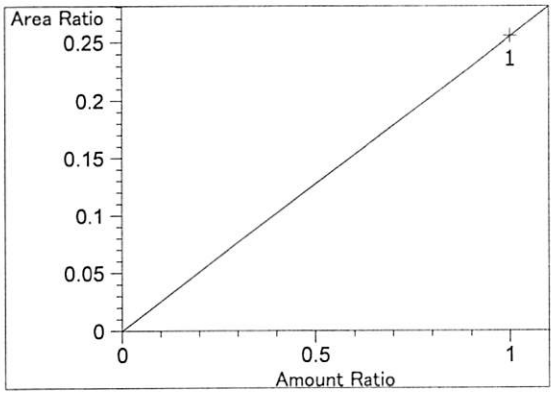
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.06888e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



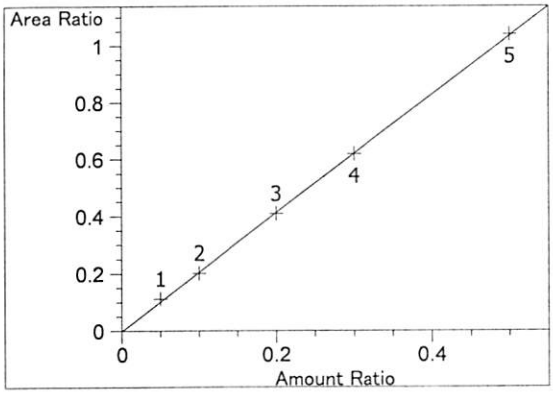
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99993
Residual Std. Dev.: 0.00504
Formula: y = mx + b
m: 2.01858
b: 4.35069e-3
x: Amount Ratio
y: Area Ratio



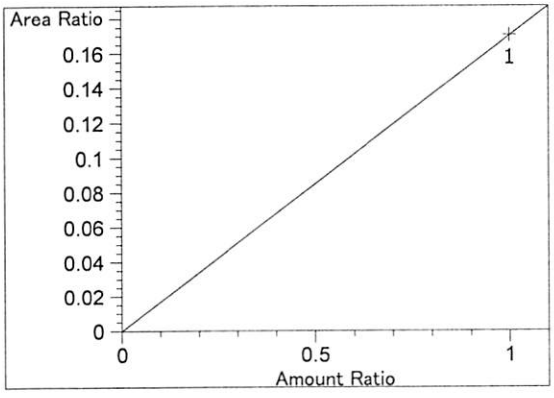
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.06879e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



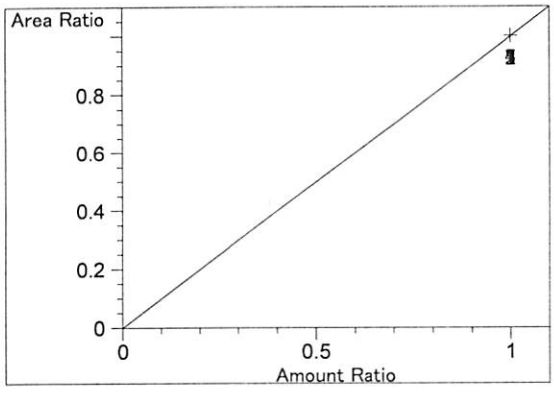
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.55311e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



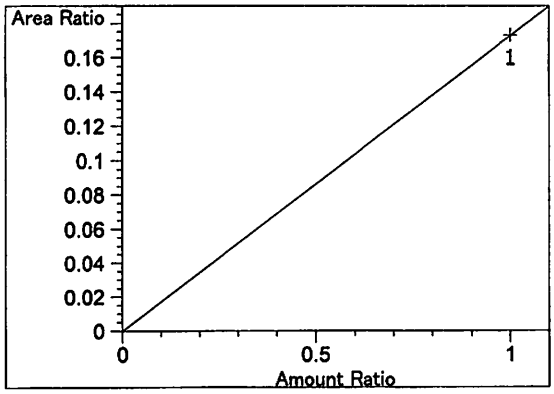
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99985
Residual Std. Dev.: 0.00754
Formula: y = mx + b
m: 2.07448
b: -1.15811e-3
x: Amount Ratio
y: Area Ratio



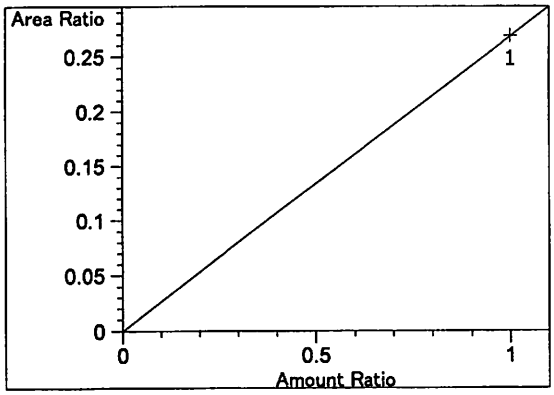
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.70532e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



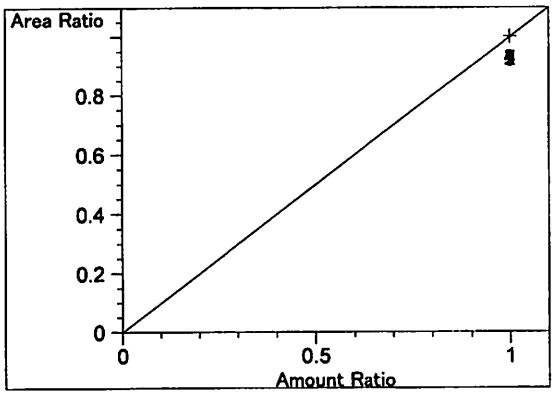
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.72913e-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: 2.68573e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

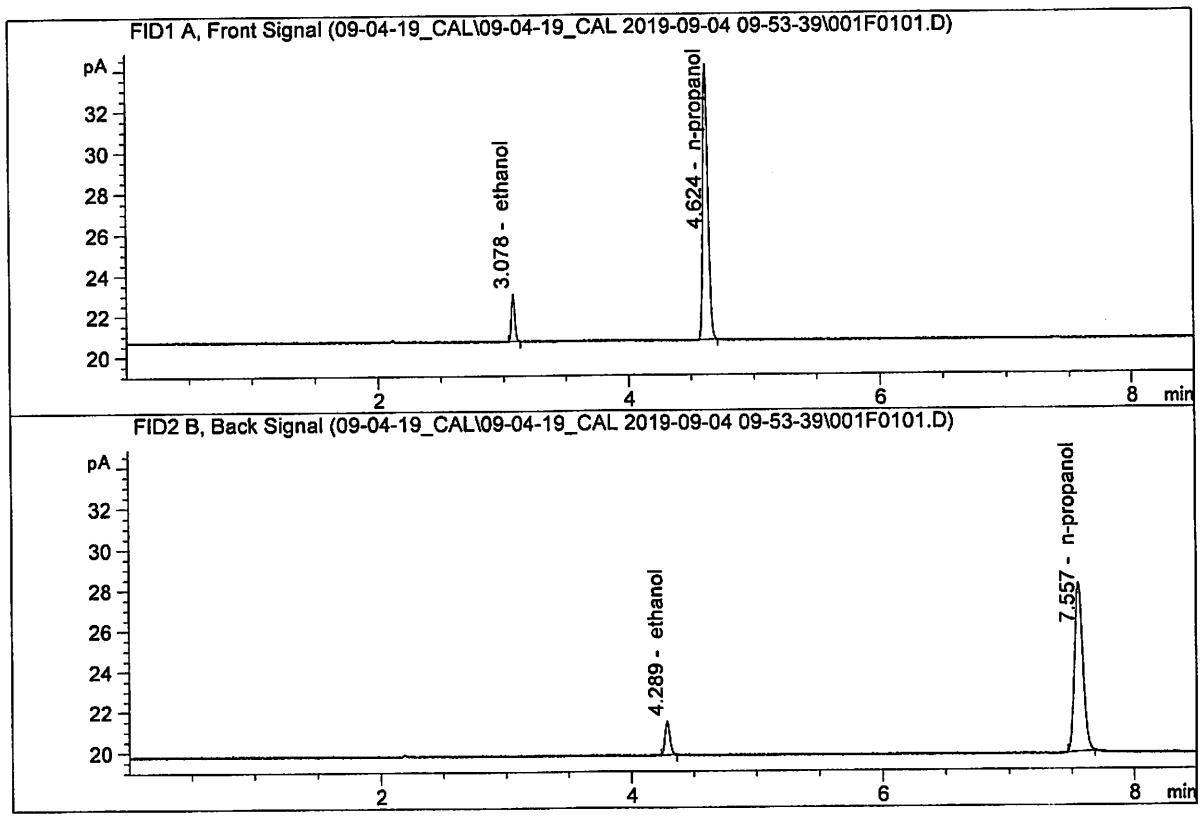


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

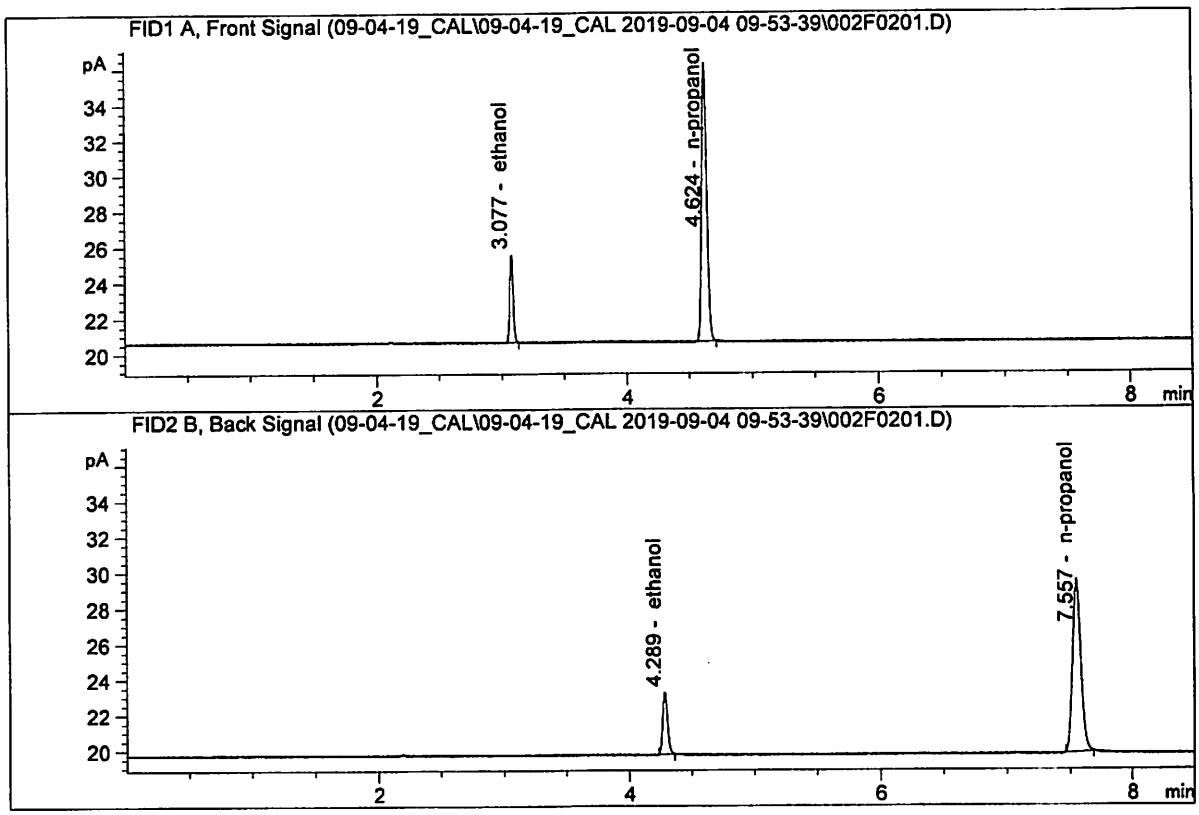


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.25720	0.0532	g/100cc
2.	Ethanol	Column 2:	4.46932	0.0546	g/100cc
3.	n-Propanol	Column 1:	38.11259	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.86404	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

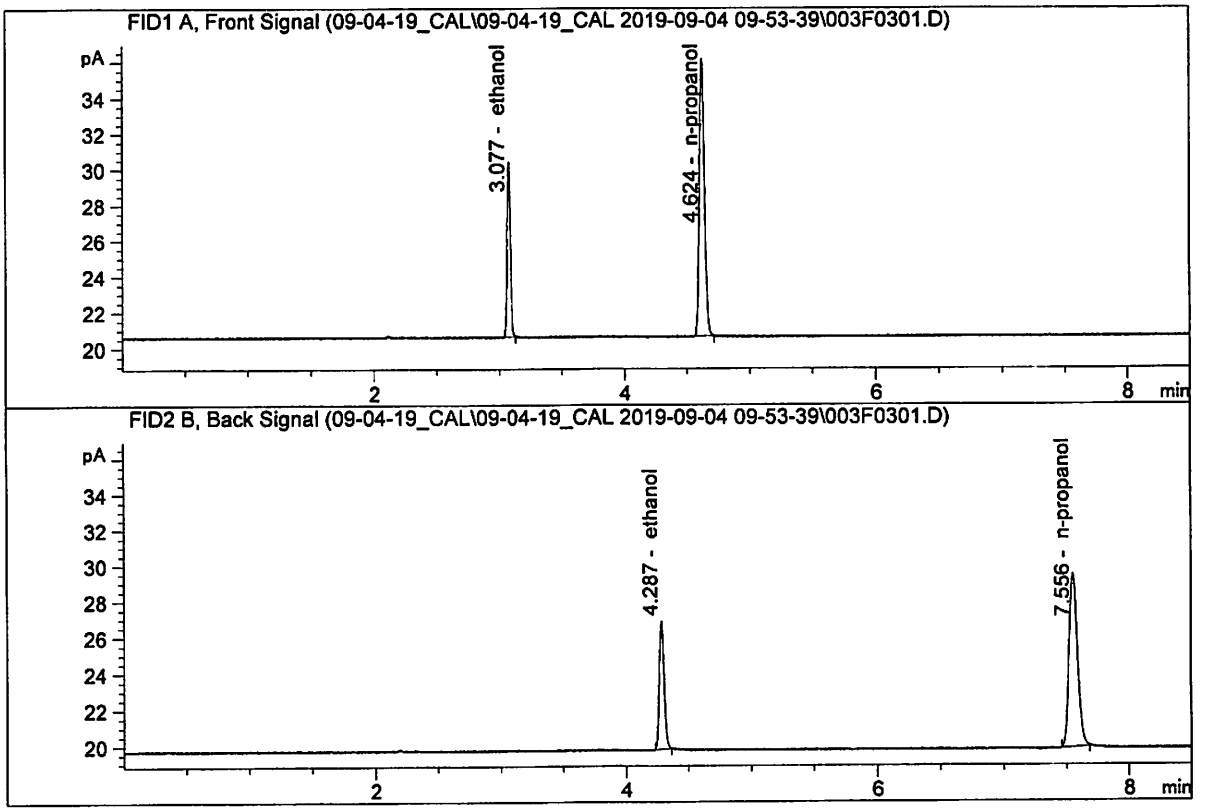
Sample Name : 0.100
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.90987	0.0977	g/100cc
2.	Ethanol	Column 2:	9.30409	0.0974	g/100cc
3.	n-Propanol	Column 1:	44.20329	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.32649	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

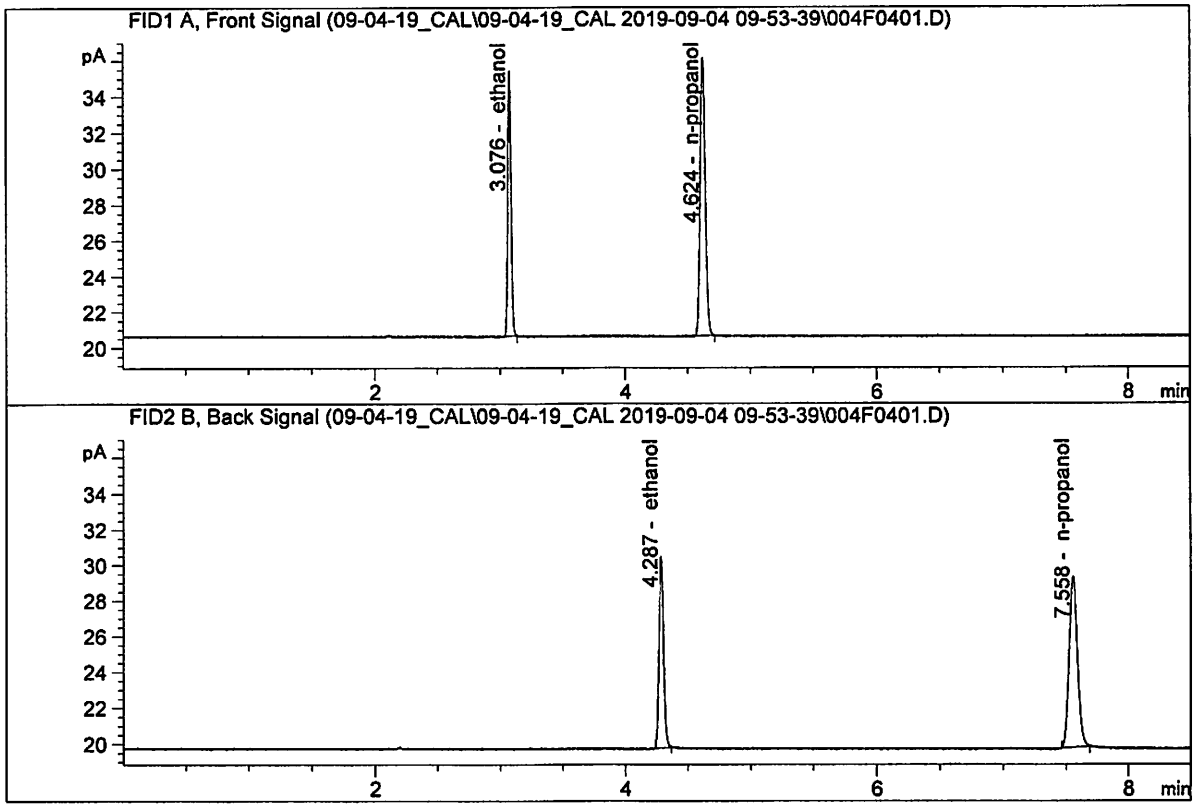


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.84195	0.1984	g/100cc
2.	Ethanol	Column 2:	18.73461	0.1975	g/100cc
3.	n-Propanol	Column 1:	44.06552	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.85822	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

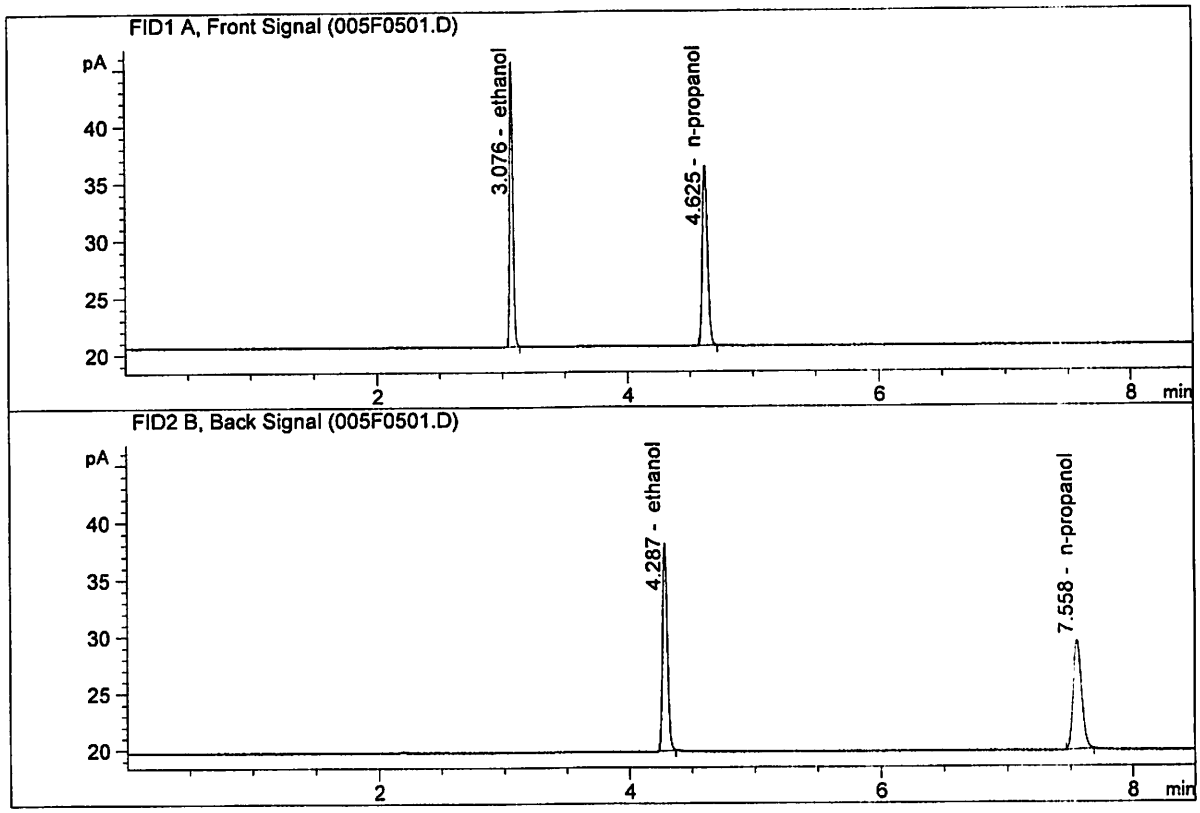


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.86784	0.2998	g/100cc
2.	Ethanol	Column 2:	28.36174	0.2987	g/100cc
3.	n-Propanol	Column 1:	44.08052	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.86211	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

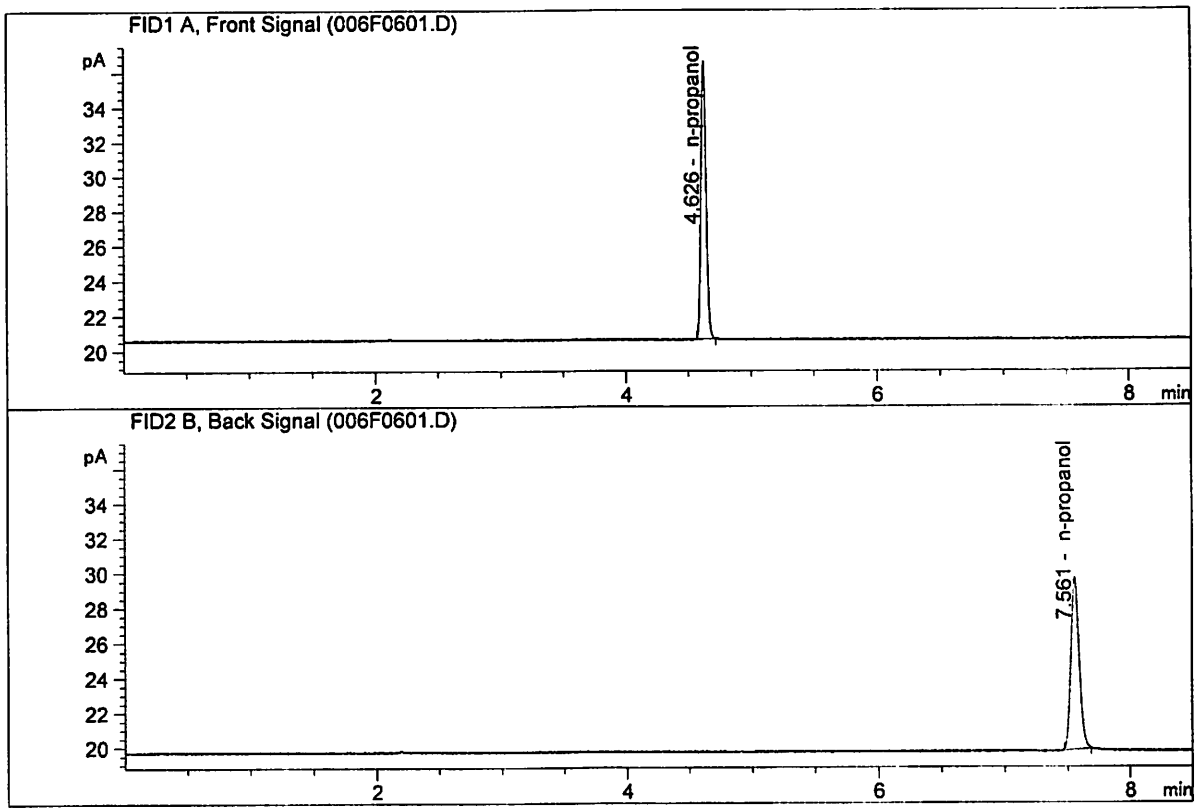
Sample Name : 0.500
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.26815	0.5009	g/100cc
2.	Ethanol	Column 2:	48.14100	0.5019	g/100cc
3.	n-Propanol	Column 1:	44.57993	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.29112	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Sep 4, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	45.48890	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.25261	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\09-04-19_CAL\09-04-19_CAL 2019-09-04 09-53-39\09-04-19_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\09-04-19_CAL\09-04-19_CAL 2019-09-04 09-53-39\09-04-19_CAL.S
Data directory path: C:\Chem32\1\Data\09-04-19_CAL\09-04-19_CAL 2019-09-04 09-53-39\
Logbook: C:\Chem32\1\Data\09-04-19_CAL\09-04-19_CAL 2019-09-04 09-53-39\09-04-19_CAL.LOG
Sequence start: 9/4/2019 10:08:16 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\09-04-19_CAL\09-04-19_CAL 2019-09-04 09-53-39\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050	-	1.0000	001F0101.D	*	4
2	2	1	0.100	-	1.0000	002F0201.D	*	4
3	3	1	0.200	-	1.0000	003F0301.D	*	4
4	4	1	0.300	-	1.0000	004F0401.D	*	4
5	5	1	0.500	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2