Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls **Run Date(s): 09/24/19**

Calibration Date: 09/12/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0798 g/100cc
					0.0800 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2040 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	0.0501	0.0514	0.0013	0.0507
100	0.100	0.090 - 0.110	0.0998	0.1000	0.0002	0.0999
200	0.200	0.180 - 0.220	0.2000	0.1988	0.0012	0.1994
300	0.300	0.270 - 0.330	0.3000	0.2986	0.0014	0.2993
500	0.500	0.450 - 0.550	0.5000	0.5012	0.0012	0.5006

Aqueous Controls

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

REVIEWED
By Jeremy Johnston at 3:38 pm, Sep 25, 2019

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

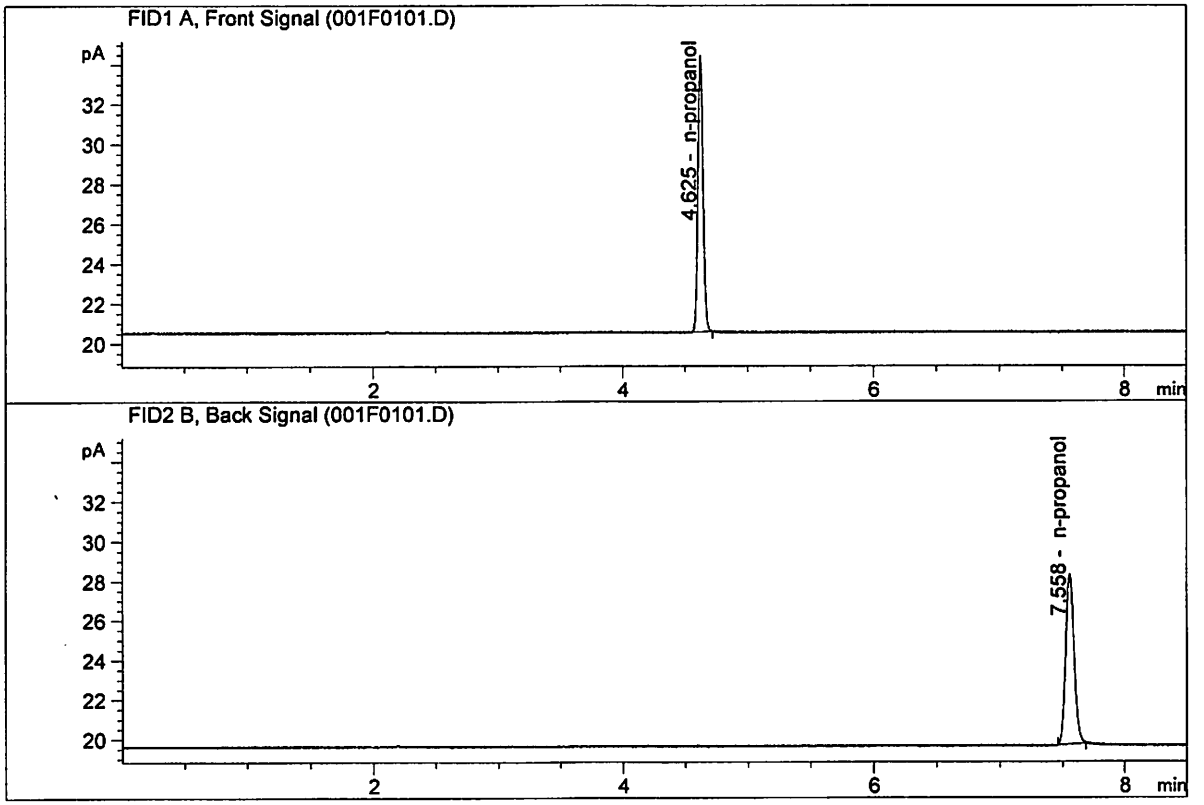
9/25/2019

Worklist: 3722

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2019-4127	1	163364	Alcohol Analysis
M2019-4146	1	163461	Alcohol Analysis
M2019-4147	1	163465	Alcohol Analysis
M2019-4173	1	163977	Alcohol Analysis
M2019-4174	1	163978	Alcohol Analysis
M2019-4175	1	163979	Alcohol Analysis
M2019-4176	1	163983	Alcohol Analysis
M2019-4201	1	164048	Alcohol Analysis
M2019-4205	1	164202	Alcohol Analysis
M2019-4233	1	164592	Alcohol Analysis
M2019-4237	1	164610	Alcohol Analysis
M2019-4238	1	164611	Alcohol Analysis
M2019-4244	1	164628	Alcohol Analysis
M2019-4245	1	164629	Alcohol Analysis
M2019-4264	1	164695	Alcohol Analysis
M2019-4271	1	164879	Alcohol Analysis
M2019-4279	1	164897	Alcohol Analysis
M2019-4280	1	164898	Alcohol Analysis
P2019-2653	1	165102	Alcohol Analysis

ISP Forensic Services Blood Alcohol Report

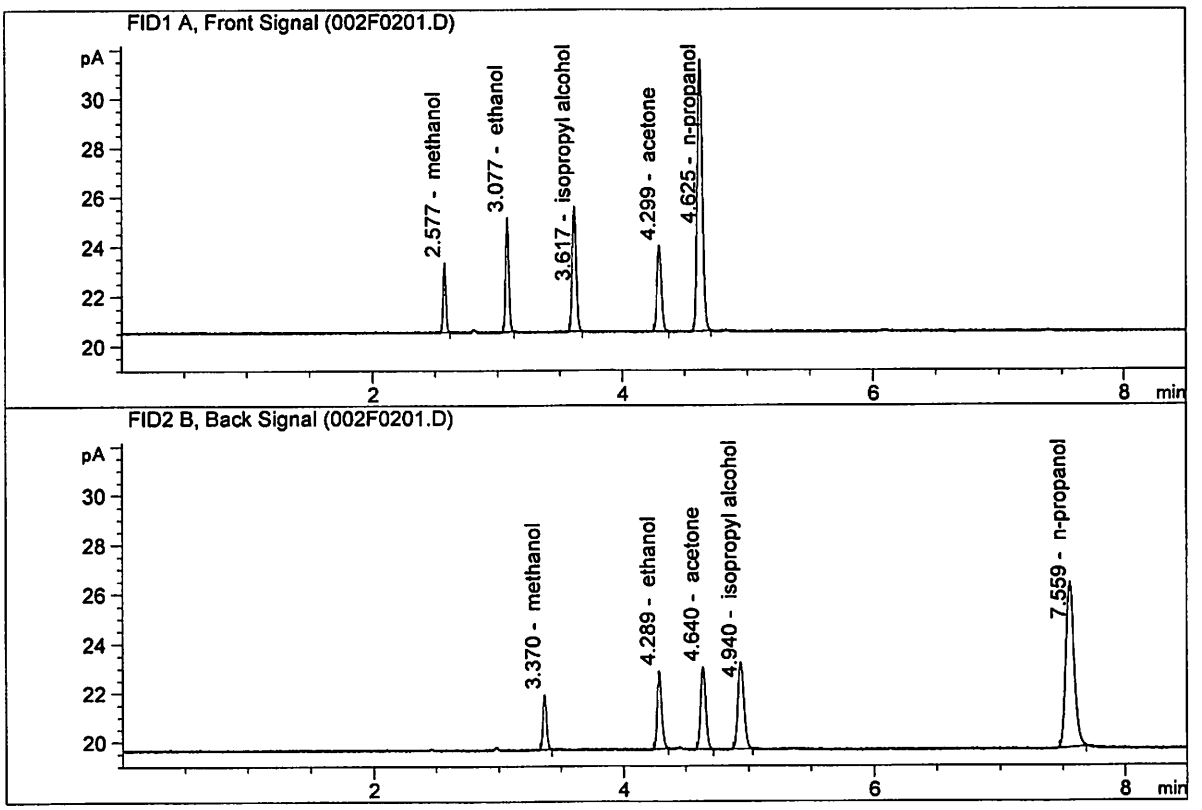
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Sep 24, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	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:	39.45448	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.29800	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Sep 24, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.11089	0.1358	g/100cc
2.	Ethanol	Column 2:	8.44017	0.1366	g/100cc
3.	n-Propanol	Column 1:	30.97676	1.0000	g/100cc
4.	n-Propanol	Column 2:	31.94008	1.0000	g/100cc

N

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 24 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0792	0.0802	0.0010	0.0797	0.0798	
(g/100cc)	0.0795	0.0805	0.0010	0.0800		

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%**

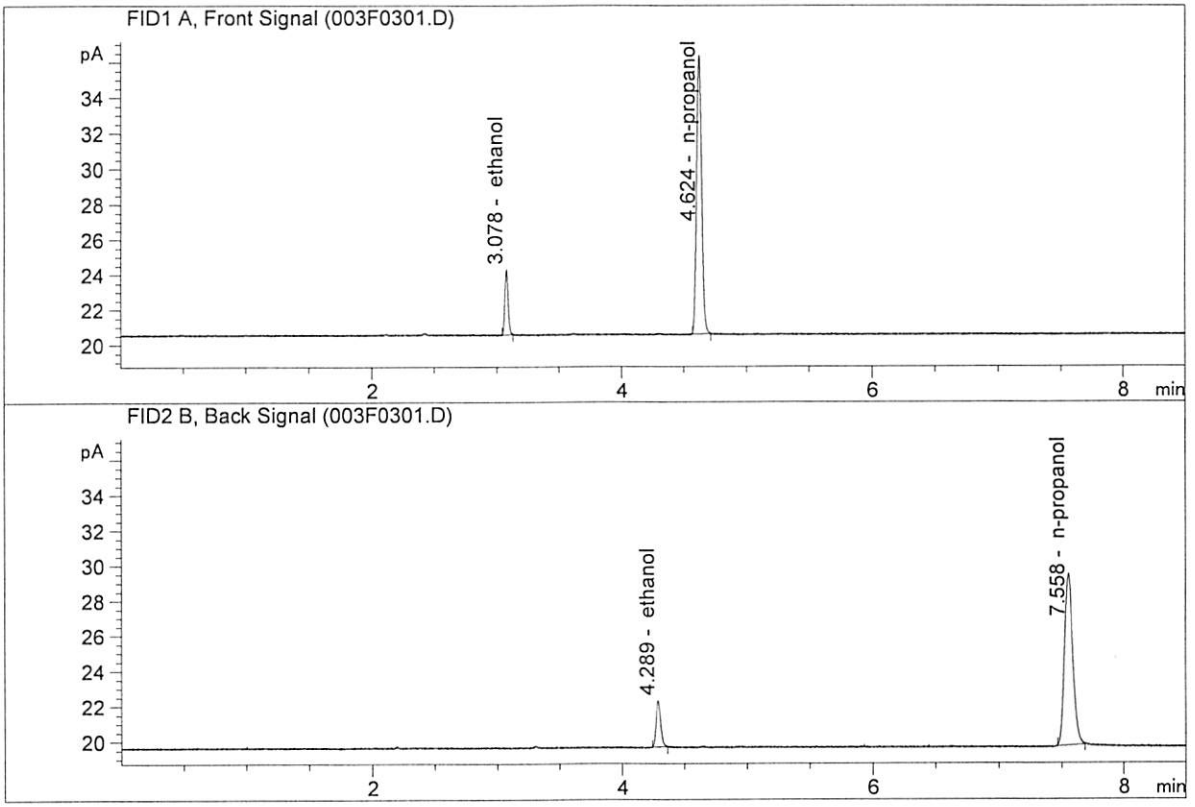
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

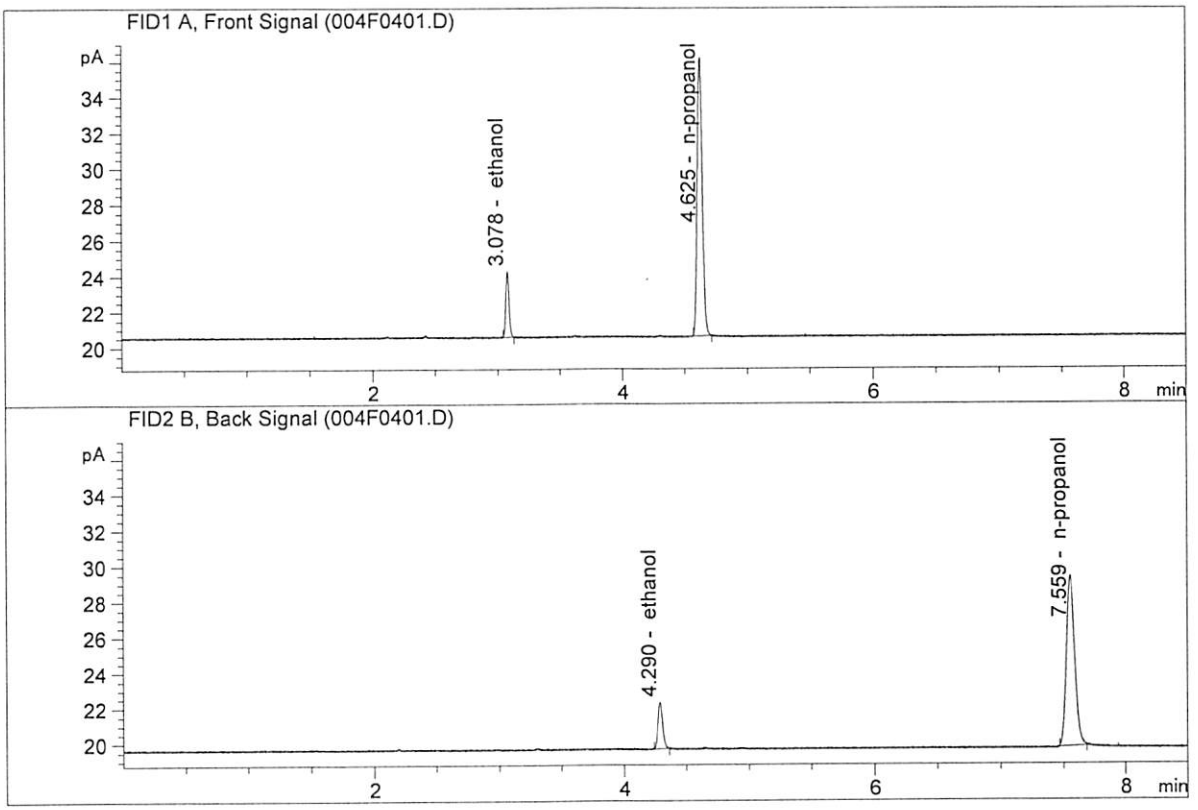
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Sep 24, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.79808	0.0792	g/100cc
2.	Ethanol	Column 2:	7.04235	0.0802	g/100cc
3.	n-Propanol	Column 1:	44.78082	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.59727	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Sep 24, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.76767	0.0795	g/100cc
2.	Ethanol	Column 2:	7.00496	0.0805	g/100cc
3.	n-Propanol	Column 1:	44.41802	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.15306	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 24 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0806	0.0815	0.0009	0.0810	0.0810	
(g/100cc)	0.0805	0.0815	0.0010	0.0810		

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%**

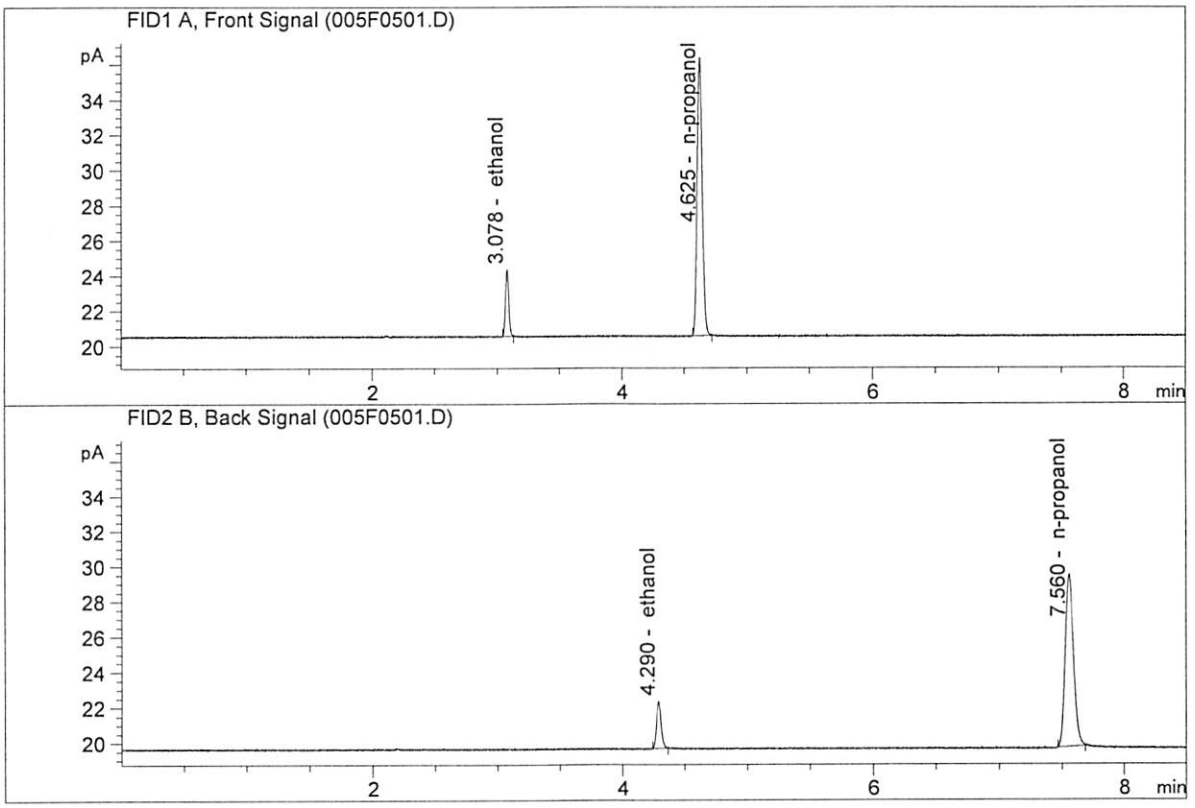
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

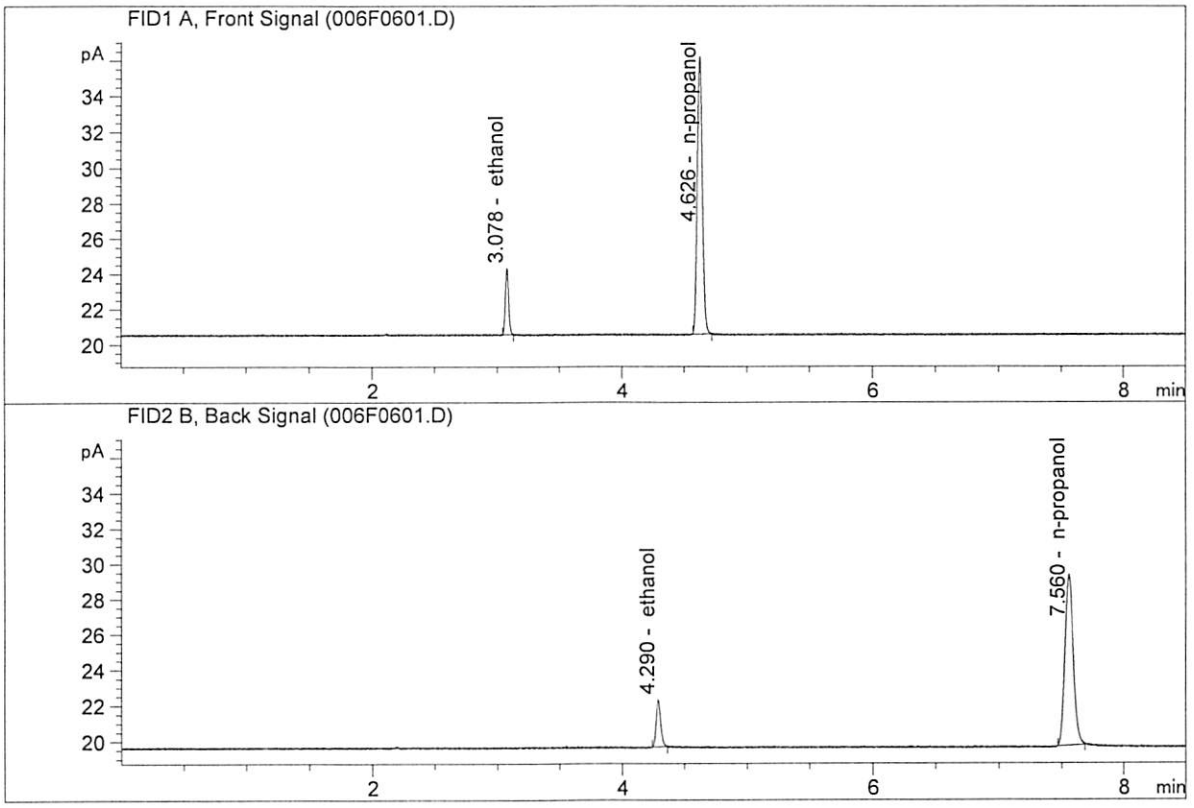
Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Sep 24, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.94097	0.0806	g/100cc
2.	Ethanol	Column 2:	7.16811	0.0815	g/100cc
3.	n-Propanol	Column 1:	44.96148	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.60135	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Sep 24, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.86863	0.0805	g/100cc
2.	Ethanol	Column 2:	7.08626	0.0815	g/100cc
3.	n-Propanol	Column 1:	44.52680	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.10412	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 24 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2032	0.2039	0.0007	0.2035	0.2040	
(g/100cc)	0.2043	0.2047	0.0004	0.2045		

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%**

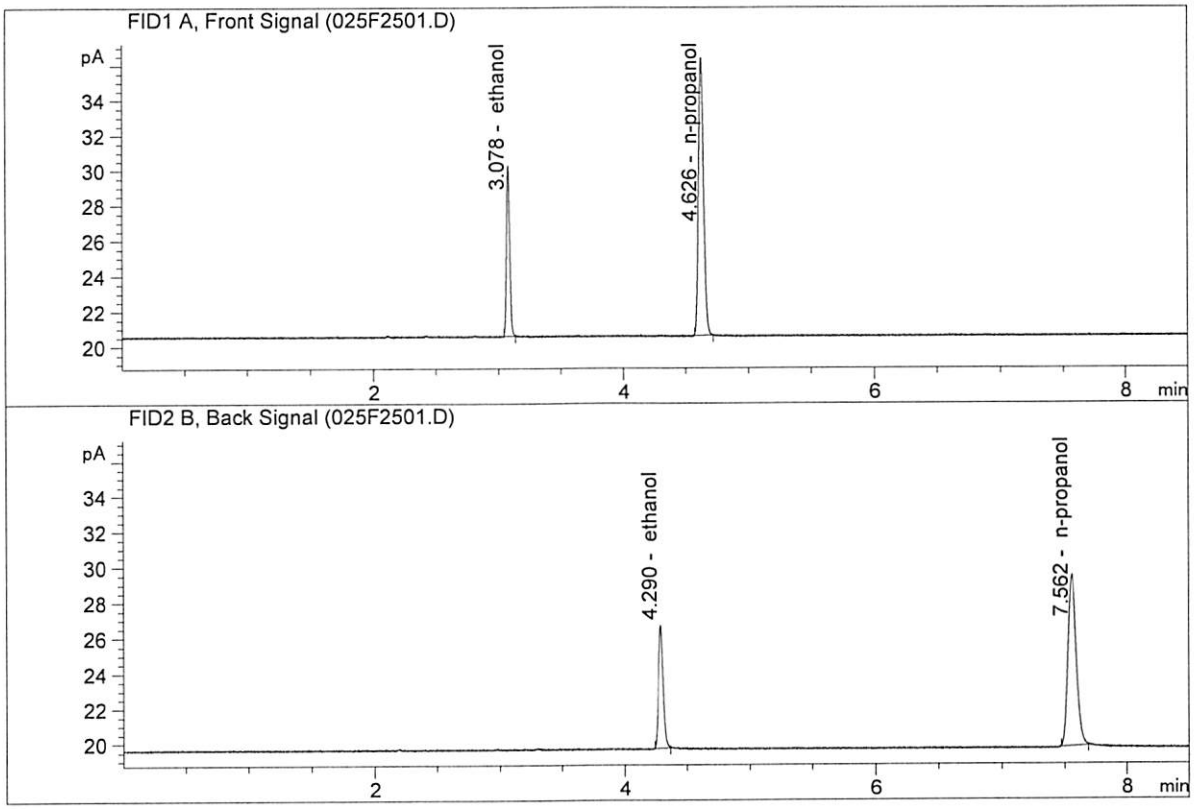
Overall Mean (g/100cc)	Low	High	5% of Mean
0.204	0.193	0.215	0.011

	Reported Result	
	0.204	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

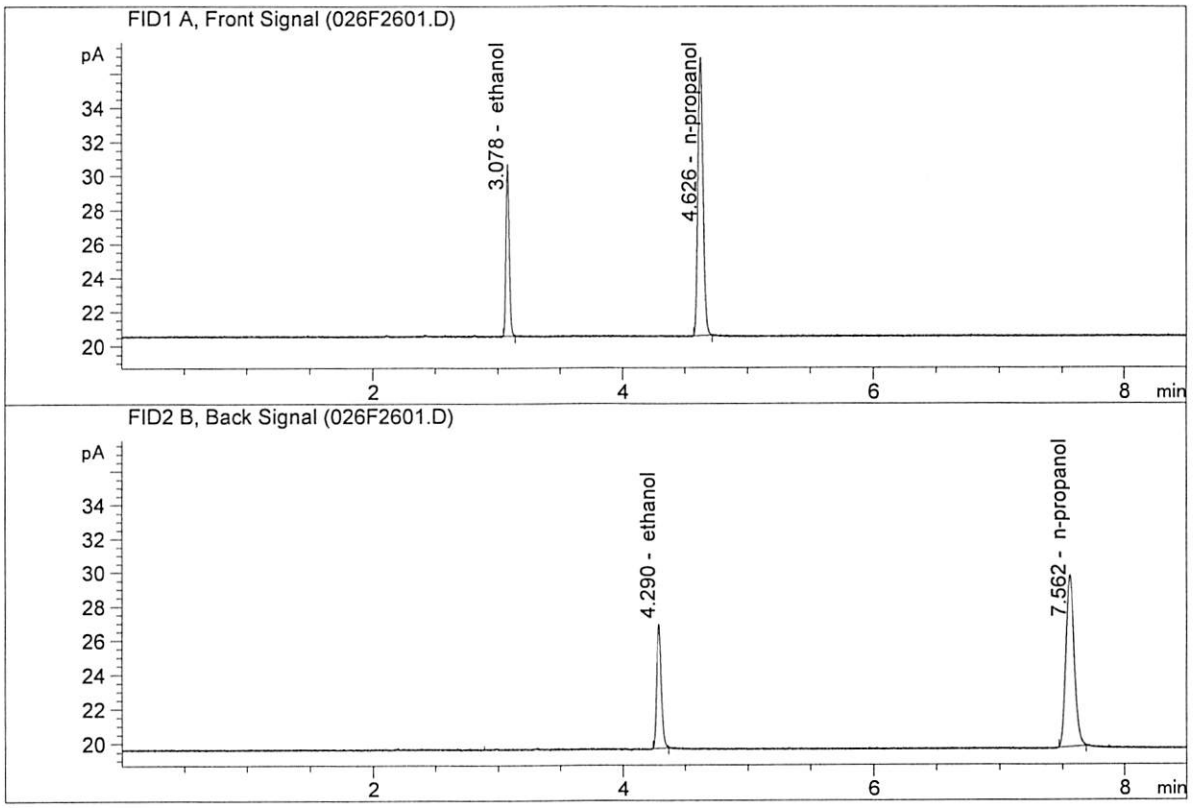
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Sep 24, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.71623	0.2032	g/100cc
2.	Ethanol	Column 2:	18.55587	0.2039	g/100cc
3.	n-Propanol	Column 1:	45.06678	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.48958	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Sep 24, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.39886	0.2043	g/100cc
2.	Ethanol	Column 2:	19.25961	0.2047	g/100cc
3.	n-Propanol	Column 1:	46.54099	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.06878	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 24 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0794	0.0808	0.0014	0.0801	0.0800	
(g/100cc)	0.0796	0.0805	0.0009	0.0800		

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%**

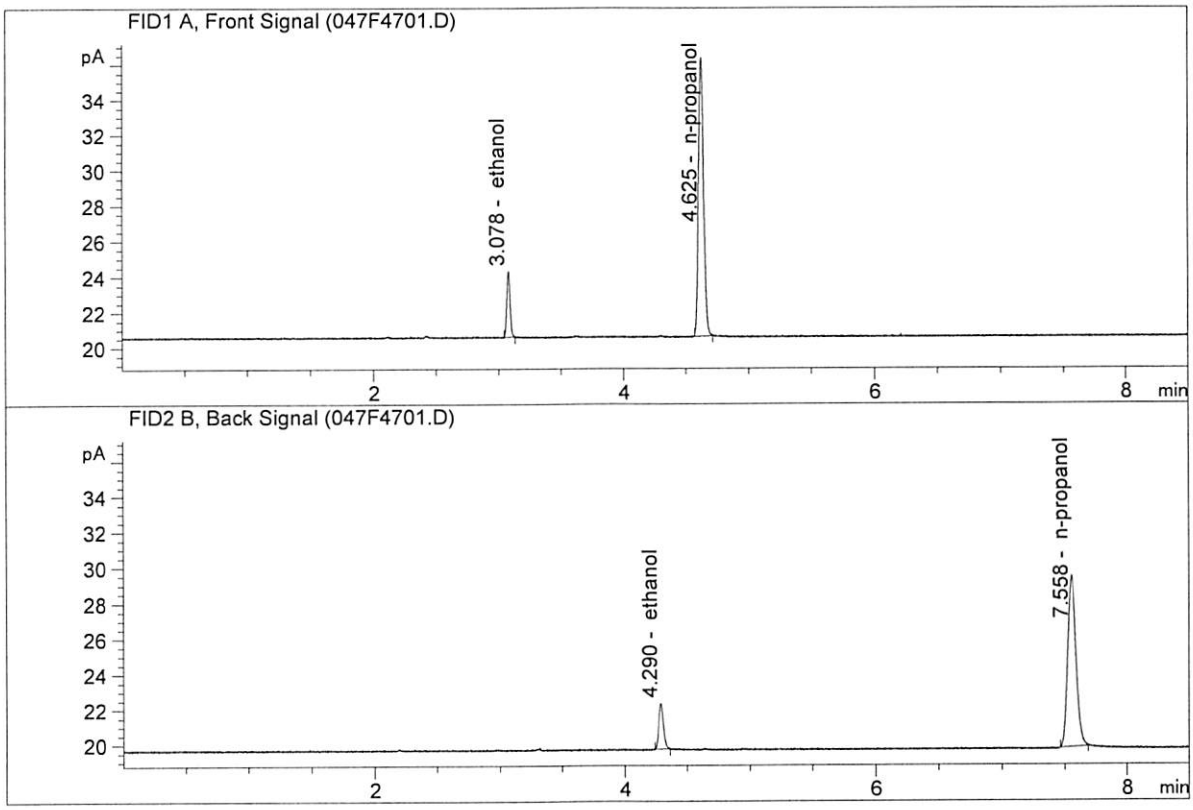
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

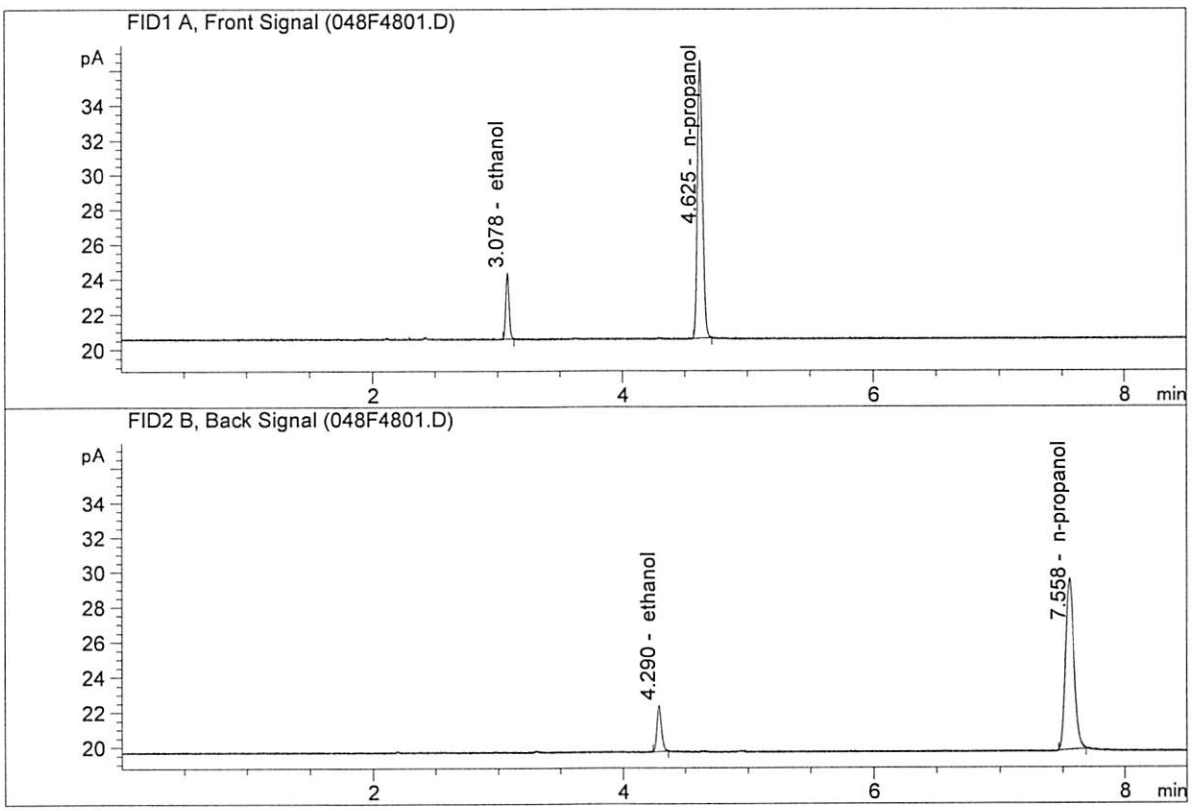
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Sep 24, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.82133	0.0794	g/100cc
2.	Ethanol	Column 2:	7.06053	0.0808	g/100cc
3.	n-Propanol	Column 1:	44.83097	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.37720	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

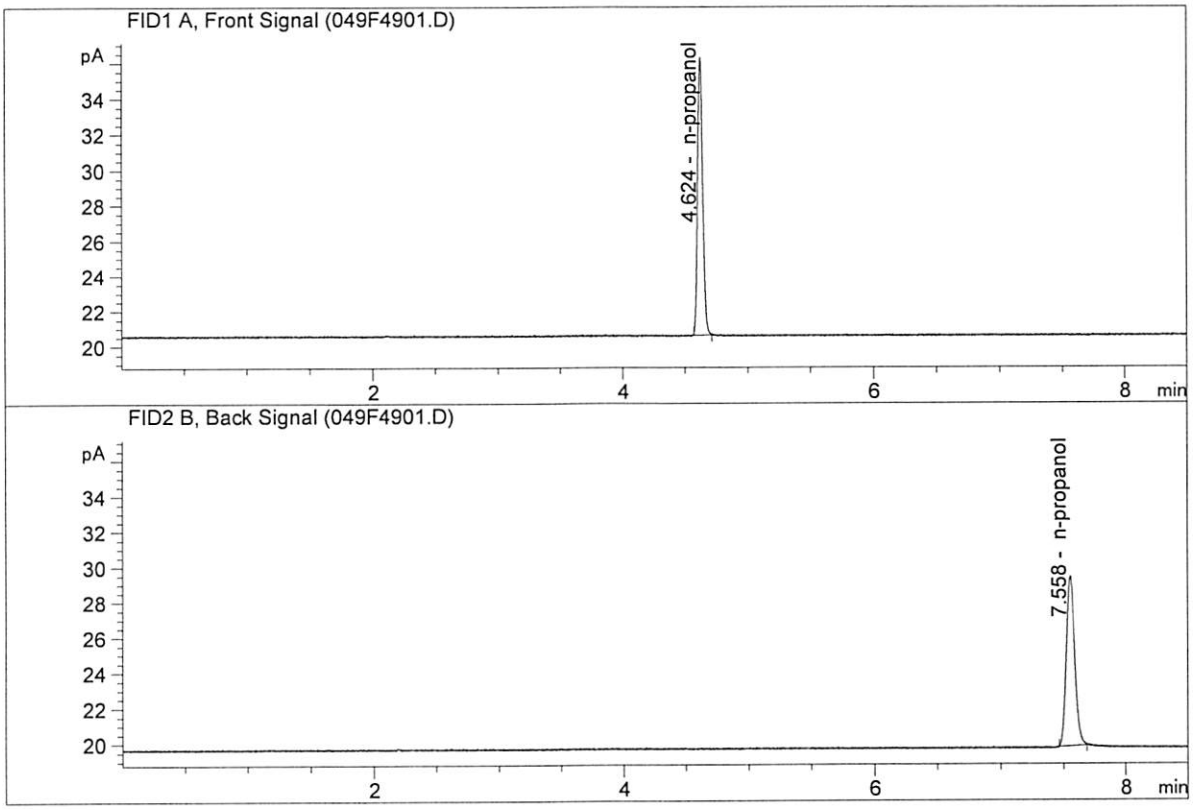
Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Sep 24, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.92054	0.0796	g/100cc
2.	Ethanol	Column 2:	7.12157	0.0805	g/100cc
3.	n-Propanol	Column 1:	45.39174	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.94941	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Sep 24, 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:	44.65019	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.20755	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\Data\09-24-19_SAMPLES\09-24-19_SAMPLES 2019-09-24 11-59-20\09-24-19_SAMPLES.S
Data directory path: C:\Chem32\1\Data\09-24-19_SAMPLES\09-24-19_SAMPLES 2019-09-24 11-59-20\
Logbook: C:\Chem32\1\Data\09-24-19_SAMPLES\09-24-19_SAMPLES 2019-09-24 11-59-20\09-24-19_SAMPLES.LOG
Sequence start: 9/24/2019 12:14:04 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\09-24-19_SAMPLES\09-24-19_SAMPLES 2019-09-24 11-59-20\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	M2019-4127-1-A	-	1.0000	007F0701.D		4
8	8	1	M2019-4127-1-B	-	1.0000	008F0801.D		4
9	9	1	M2019-4146-1-A	-	1.0000	009F0901.D		2
10	10	1	M2019-4146-1-B	-	1.0000	010F1001.D		2
11	11	1	M2019-4147-1-A	-	1.0000	011F1101.D		4
12	12	1	M2019-4147-1-B	-	1.0000	012F1201.D		4
13	13	1	M2019-4173-1-A	-	1.0000	013F1301.D		4
14	14	1	M2019-4173-1-B	-	1.0000	014F1401.D		4
15	15	1	M2019-4174-1-A	-	1.0000	015F1501.D		4
16	16	1	M2019-4174-1-B	-	1.0000	016F1601.D		4
17	17	1	M2019-4175-1-A	-	1.0000	017F1701.D		4
18	18	1	M2019-4175-1-B	-	1.0000	018F1801.D		4
19	19	1	M2019-4176-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-4176-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-4201-1-A	-	1.0000	021F2101.D		4
22	22	1	M2019-4201-1-B	-	1.0000	022F2201.D		4
23	23	1	M2019-4205-1-A	-	1.0000	023F2301.D		4
24	24	1	M2019-4205-1-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	M2019-4233-1-A	-	1.0000	027F2701.D		4
28	28	1	M2019-4233-1-B	-	1.0000	028F2801.D		4
29	29	1	M2019-4237-1-A	-	1.0000	029F2901.D		4
30	30	1	M2019-4237-1-B	-	1.0000	030F3001.D		4
31	31	1	M2019-4238-1-A	-	1.0000	031F3101.D		4
32	32	1	M2019-4238-1-B	-	1.0000	032F3201.D		4
33	33	1	M2019-4244-1-A	-	1.0000	033F3301.D		4
34	34	1	M2019-4244-1-B	-	1.0000	034F3401.D		4
35	35	1	M2019-4245-1-A	-	1.0000	035F3501.D		4
36	36	1	M2019-4245-1-B	-	1.0000	036F3601.D		4
37	37	1	M2019-4264-1-A	-	1.0000	037F3701.D		4
38	38	1	M2019-4264-1-B	-	1.0000	038F3801.D		4
39	39	1	M2019-4271-1-A	-	1.0000	039F3901.D		4
40	40	1	M2019-4271-1-B	-	1.0000	040F4001.D		4
41	41	1	M2019-4279-1-A	-	1.0000	041F4101.D		4
42	42	1	M2019-4279-1-B	-	1.0000	042F4201.D		4
43	43	1	M2019-4280-1-A	-	1.0000	043F4301.D		4

Sequence File C:\Chem32\...9_SAMPLES\09-24-19_SAMPLES 2019-09-24 11-59-20\09-24-19_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal Cmp #
44	44	1	M2019-4280-1-B	-	1.0000	044F4401.D	4
45	45	1	P2019-2653-1-A	-	1.0000	045F4501.D	4
46	46	1	P2019-2653-1-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	INTERNAL STD BLK	-	1.0000	049F4901.D	2

Method file name: C:\Chem32\1\Data\09-24-19_SAMPLES\09-24-19_SAMPLES 2019-09-24 11-59-20 \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

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, September 12, 2019 9:59:49 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

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	4.38270	1.14085e-2	No	No	1	ethanol
		2	1.00000e-1	8.64185	1.15716e-2				
		3	2.00000e-1	17.47327	1.14461e-2				
		4	3.00000e-1	26.32771	1.13948e-2				
		5	5.00000e-1	44.15454	1.13239e-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	4.50800	1.10914e-2	No	No	2	ethanol
		2	1.00000e-1	8.94254	1.11825e-2				
		3	2.00000e-1	18.16210	1.10119e-2				
		4	3.00000e-1	27.48956	1.09132e-2				
		5	5.00000e-1	46.59861	1.07299e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	46.08063	2.17011e-2	No	Yes	1	n-propanol
		2	1.00000	45.04212	2.22014e-2				
		3	1.00000	45.15342	2.21467e-2				
		4	1.00000	45.26142	2.20939e-2				
		5	1.00000	45.47670	2.19893e-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	48.27920	2.07129e-2	No	Yes	2	n-propanol
		2	1.00000	46.85571	2.13421e-2				
		3	1.00000	46.68904	2.14183e-2				
		4	1.00000	46.67542	2.14246e-2				
		5	1.00000	46.82527	2.13560e-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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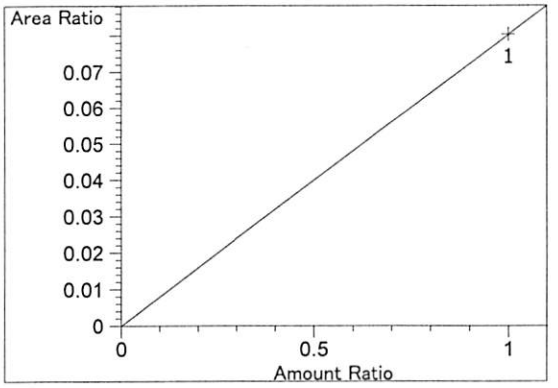
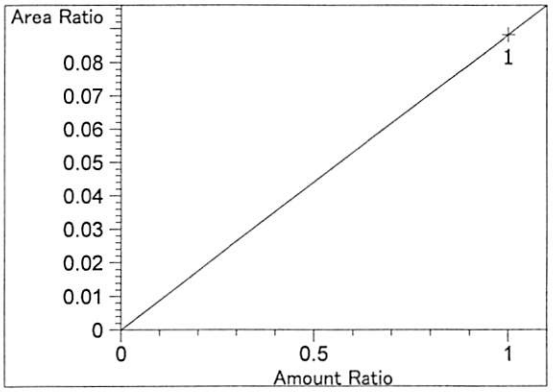
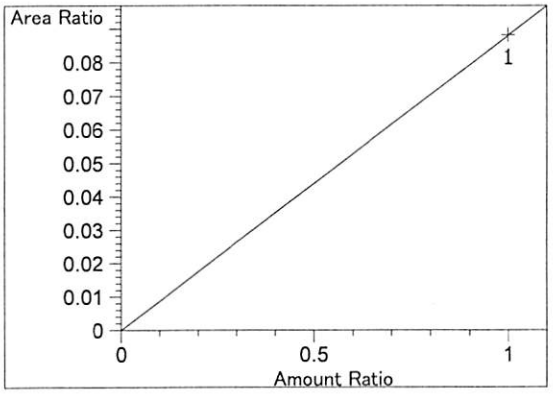


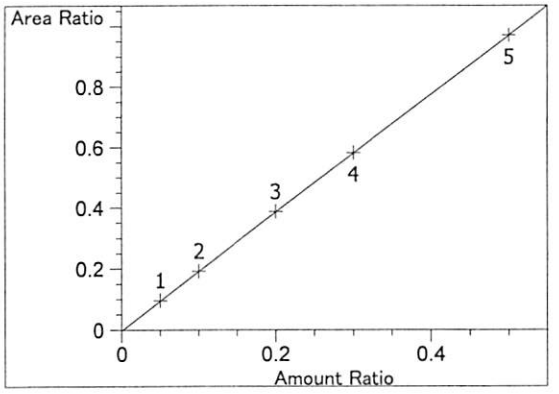
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.02223e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



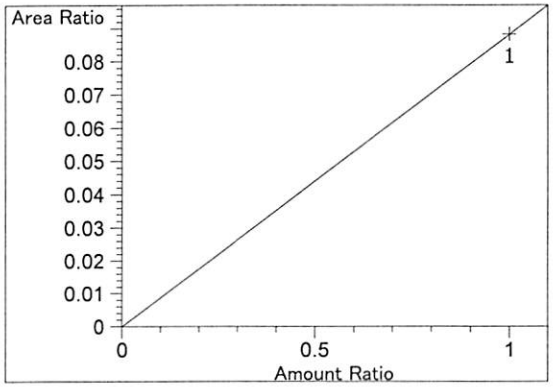
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.82575e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



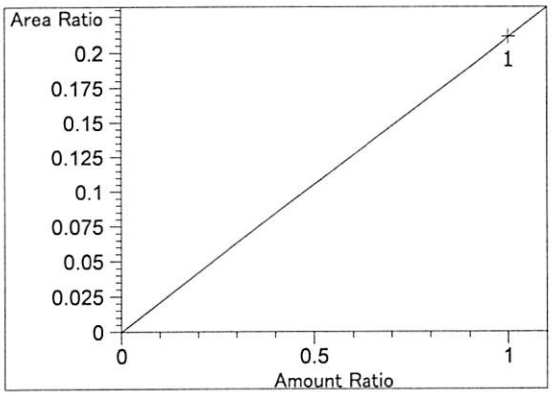
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.82575e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



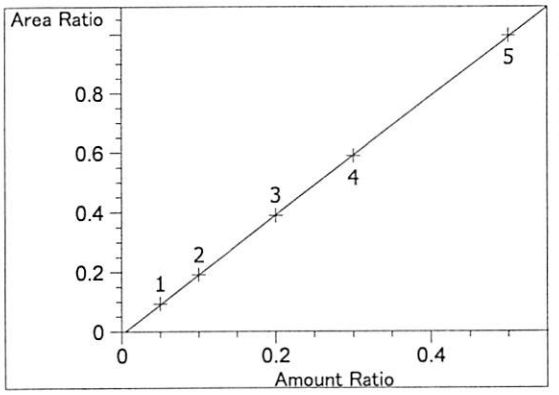
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00026
Formula: y = mx + b
m: 1.94685
b: -2.46488e-3
x: Amount Ratio
y: Area Ratio



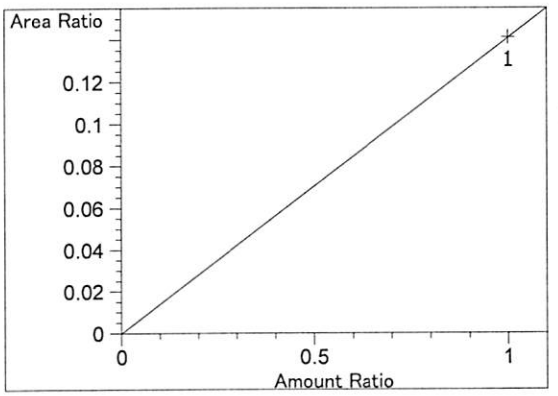
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.82497e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



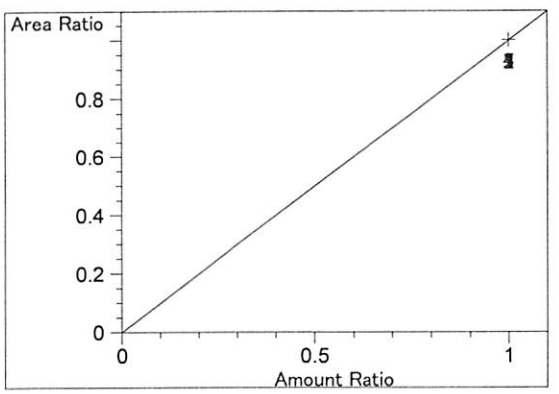
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.11164e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



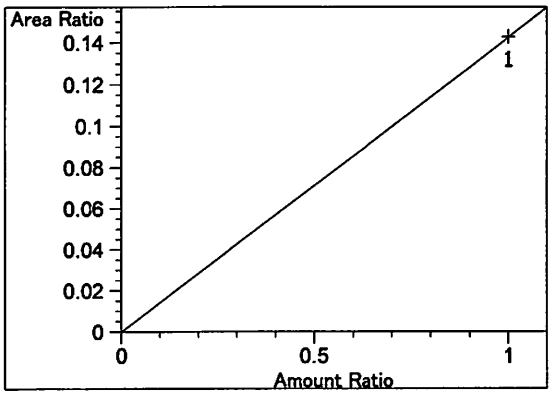
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00300
Formula: y = mx + b
m: 2.00493
b: -9.66698e-3
x: Amount Ratio
y: Area Ratio



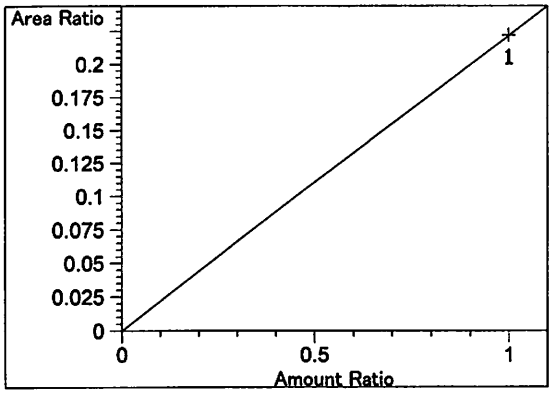
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.41044e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



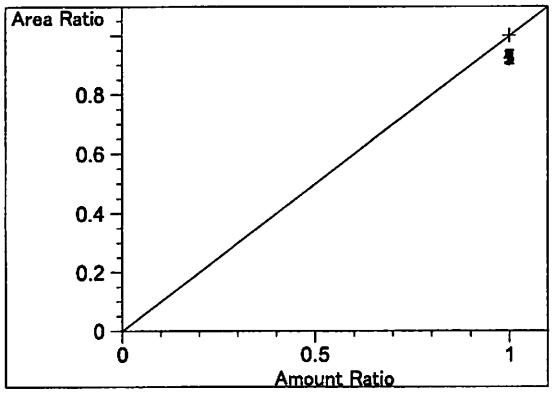
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.42774e-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: 2.21760e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



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

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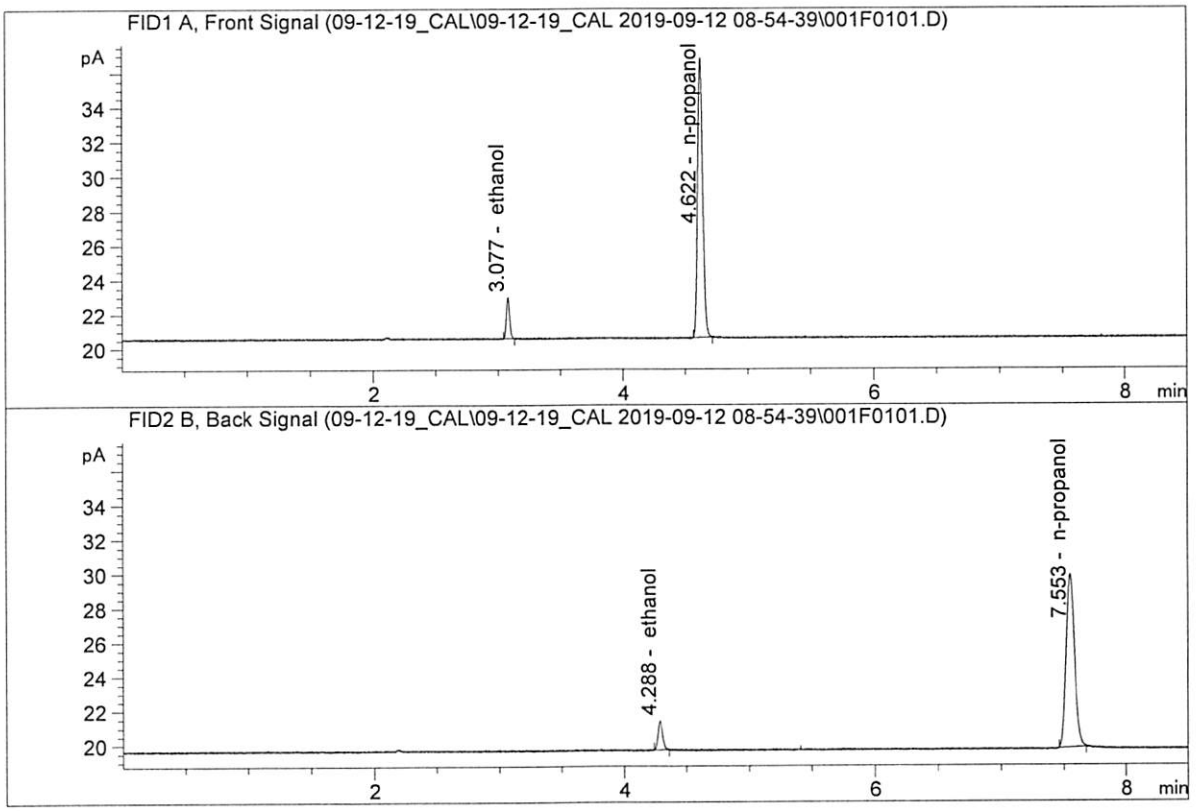
ISP Forensic Services Blood Alcohol Report

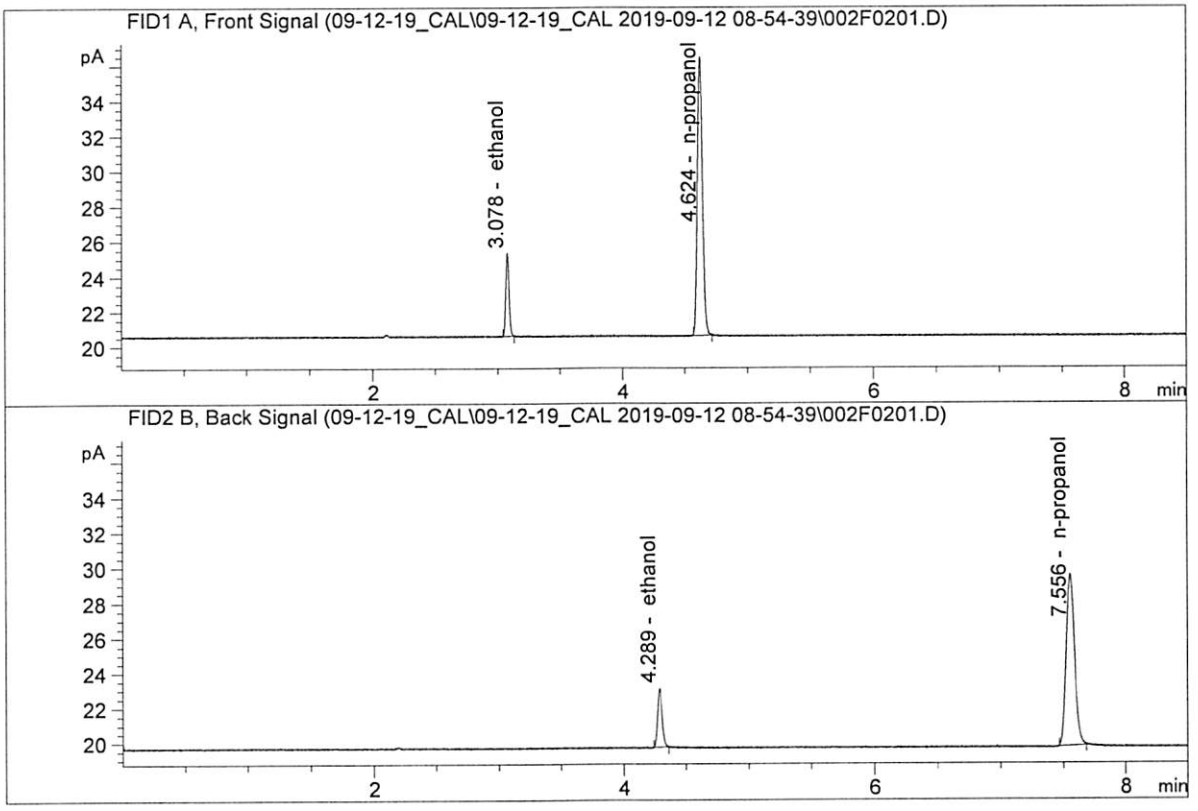
Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Sep 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.38270	0.0501	g/100cc
2.	Ethanol	Column 2:	4.50800	0.0514	g/100cc
3.	n-Propanol	Column 1:	46.08063	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.27920	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

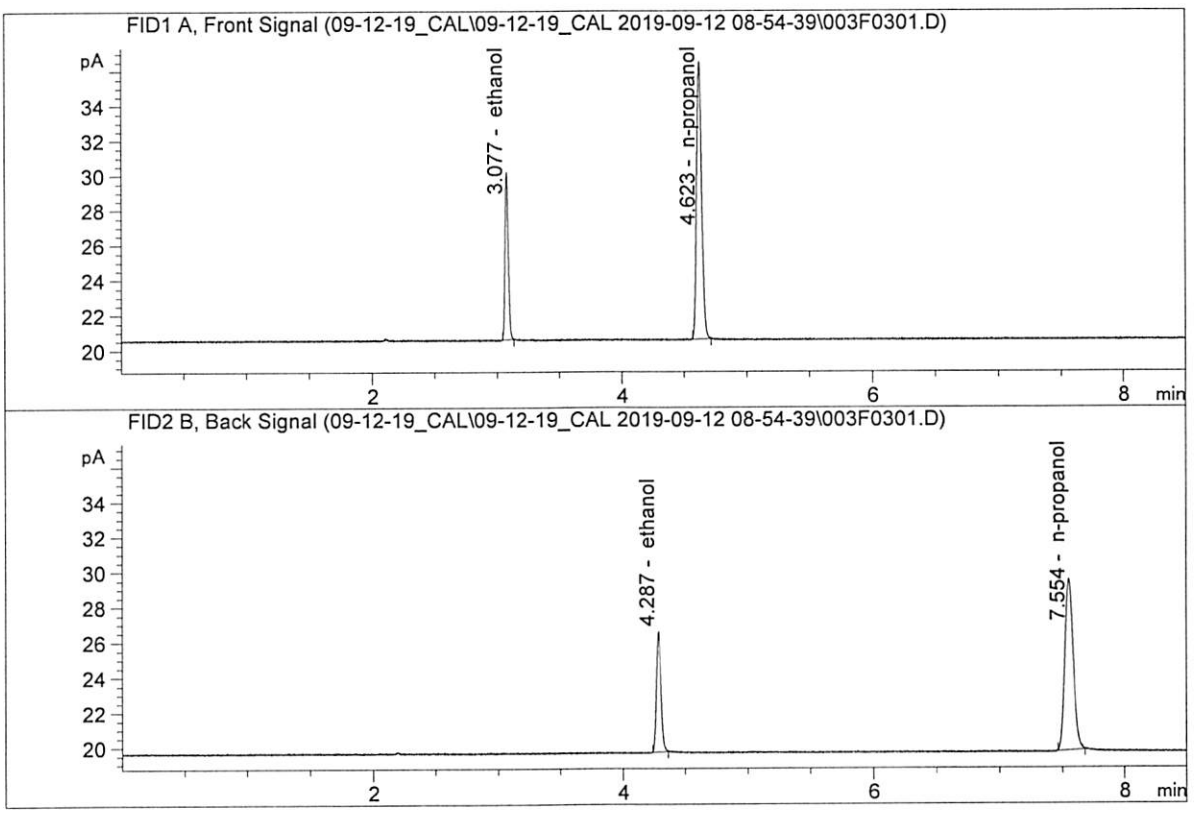
Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Sep 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.64185	0.0998	g/100cc
2.	Ethanol	Column 2:	8.94254	0.1000	g/100cc
3.	n-Propanol	Column 1:	45.04212	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.85571	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

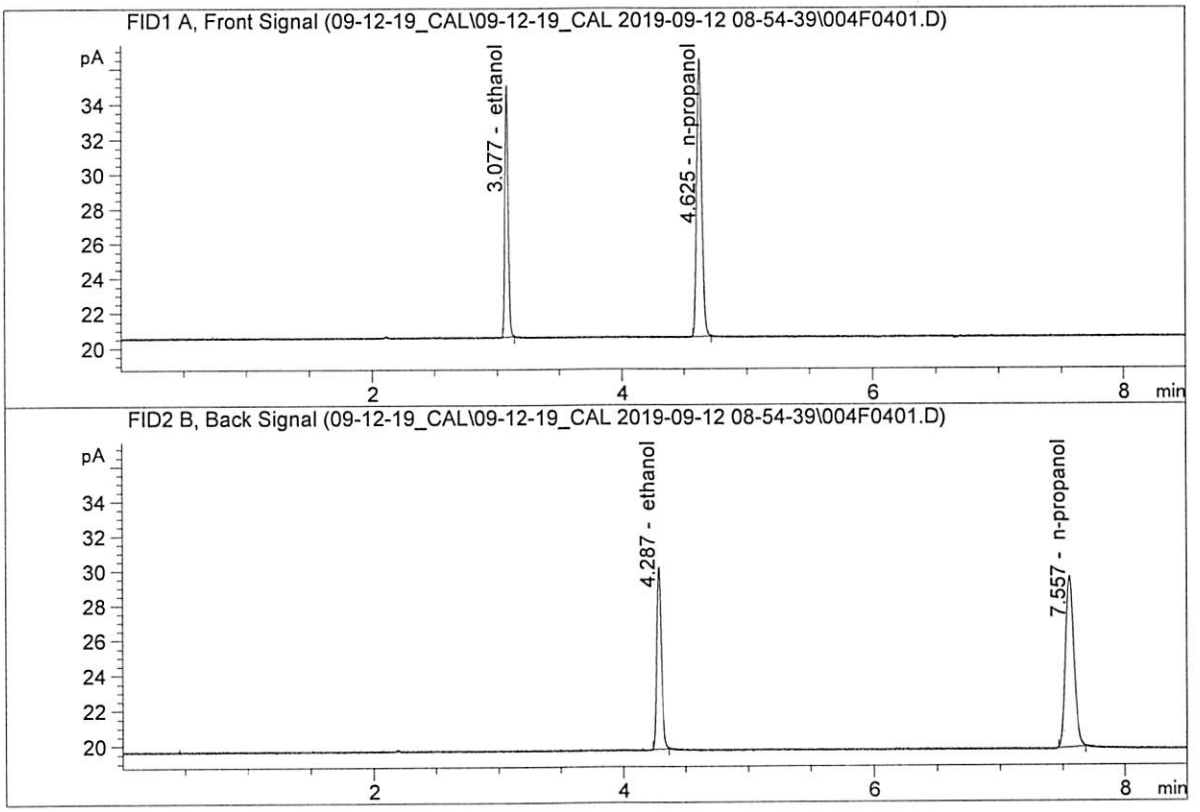
Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Sep 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.47327	0.2000	g/100cc
2.	Ethanol	Column 2:	18.16210	0.1988	g/100cc
3.	n-Propanol	Column 1:	45.15342	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.68904	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

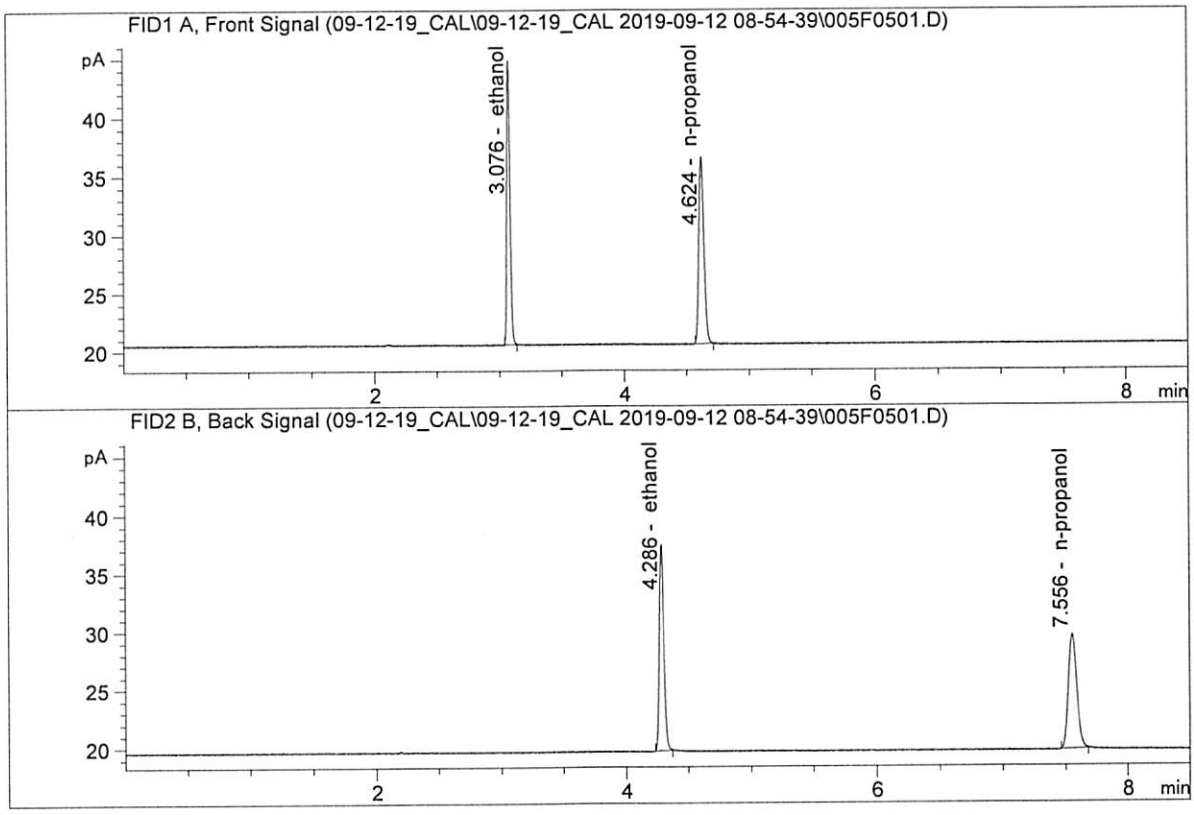
Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Sep 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.32771	0.3000	g/100cc
2.	Ethanol	Column 2:	27.48956	0.2986	g/100cc
3.	n-Propanol	Column 1:	45.26142	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.67542	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Sep 12, 2019
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.15454	0.5000	g/100cc
2.	Ethanol	Column 2:	46.59861	0.5012	g/100cc
3.	n-Propanol	Column 1:	45.47670	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.82527	1.0000	g/100cc