Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD-96BC1382/MD94AM10010

Volatiles Quality Assurance Controls **Run Date(s): 06/07/2017-06/08/2017**

Calibration Date: 5/31/2017

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702 - 0.0858	0.0796 g/100cc
					0.0820 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818 - 0.2222	0.2046 g/100cc
					0.2078 g/100cc

Multi-Component Mixture	**Exp: Oct 2019**	**Lot #**	FN09231404		OK
Curve Fit:		**Column 1**	0.99998	**Column 2**	0.99984

Ethanol Calibration Reference Material

Calibrator level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0508	0.0532	0.0024	0.052
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Jun-20	FN06181501	0.100	0.090 - 0.110	0.1003	0.1005	0.0002	0.1004
0.200	Oct-20	FN07201502	0.200	0.180 - 0.220	0.1992	0.1966	0.0026	0.1979
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2988	0.2968	0.002	0.2978
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5009	0.5028	0.0019	0.5018

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Nov-20	FN10281510	0.08000	0.076 - 0.084	0.082 g/100cc

~Any information on this document can be changed for laboratory use, except for the precision and mean determination fomulas.

Issued: 4/22/2015

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

JC

Worklist: 1749

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2017-1052	1	86639	Alcohol Analysis
M2017-2386	1	85503	Alcohol Analysis
M2017-2437	1	85874	Alcohol Analysis
M2017-2442	1	85887	Alcohol Analysis
M2017-2443	1	85891	Alcohol Analysis
M2017-2446	1	85897	Alcohol Analysis
M2017-2453	1	85951	Alcohol Analysis
M2017-2456	1	85970	Alcohol Analysis
M2017-2457	1	85971	Alcohol Analysis
M2017-2458	1	85975	Alcohol Analysis
M2017-2473	1	85998	Alcohol Analysis
M2017-2474	1	85999	Alcohol Analysis
M2017-2482	1	86038	Alcohol Analysis
M2017-2483	1	86042	Alcohol Analysis
M2017-2484	1	86043	Alcohol Analysis
M2017-2485	1	86044	Alcohol Analysis
M2017-2492	1	86117	Alcohol Analysis
M2017-2493	1	86143	Alcohol Analysis
M2017-2494	1	86274	Alcohol Analysis
M2017-2494	2	86275	Alcohol Analysis
M2017-2498	1	86272	Alcohol Analysis
M2017-2498	2	86273	Alcohol Analysis
M2017-2499	1	86172	Alcohol Analysis

JG

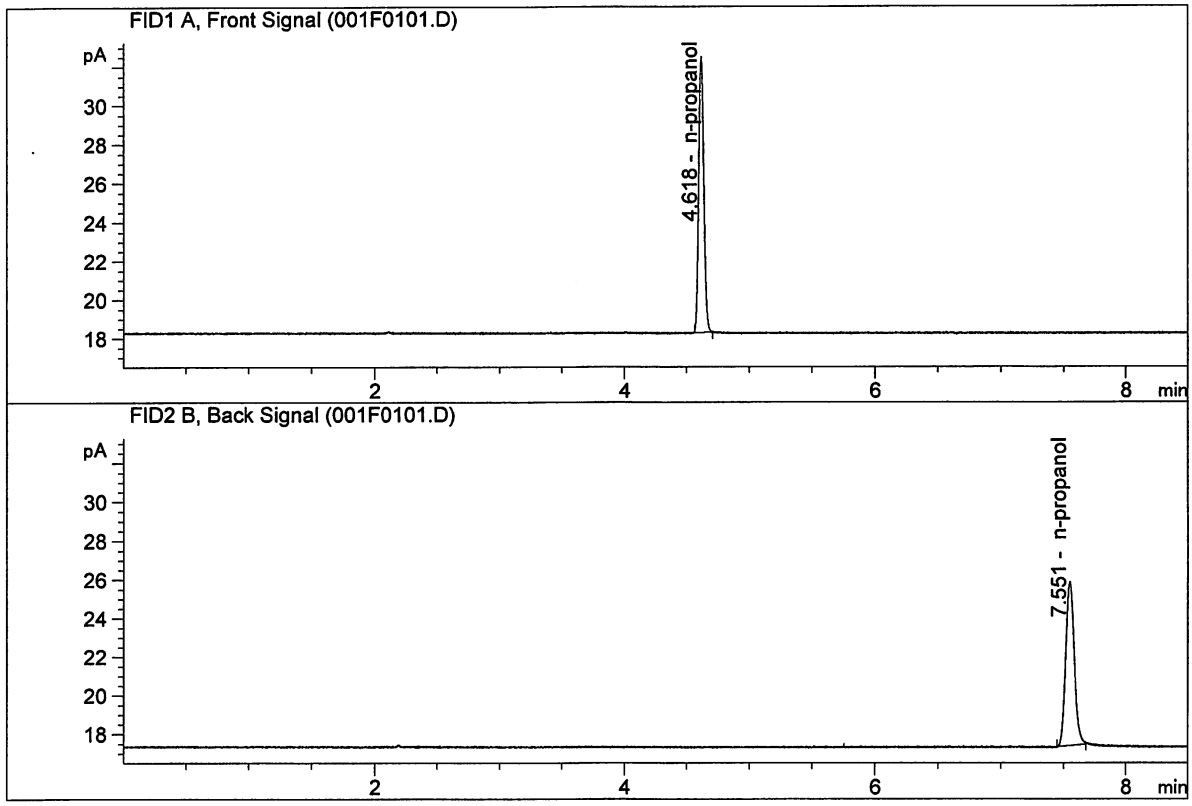
Worklist: 1749

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2017-2523	1	86308	Alcohol Analysis
M2017-2526	1	86320	Alcohol Analysis

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Jun 7, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

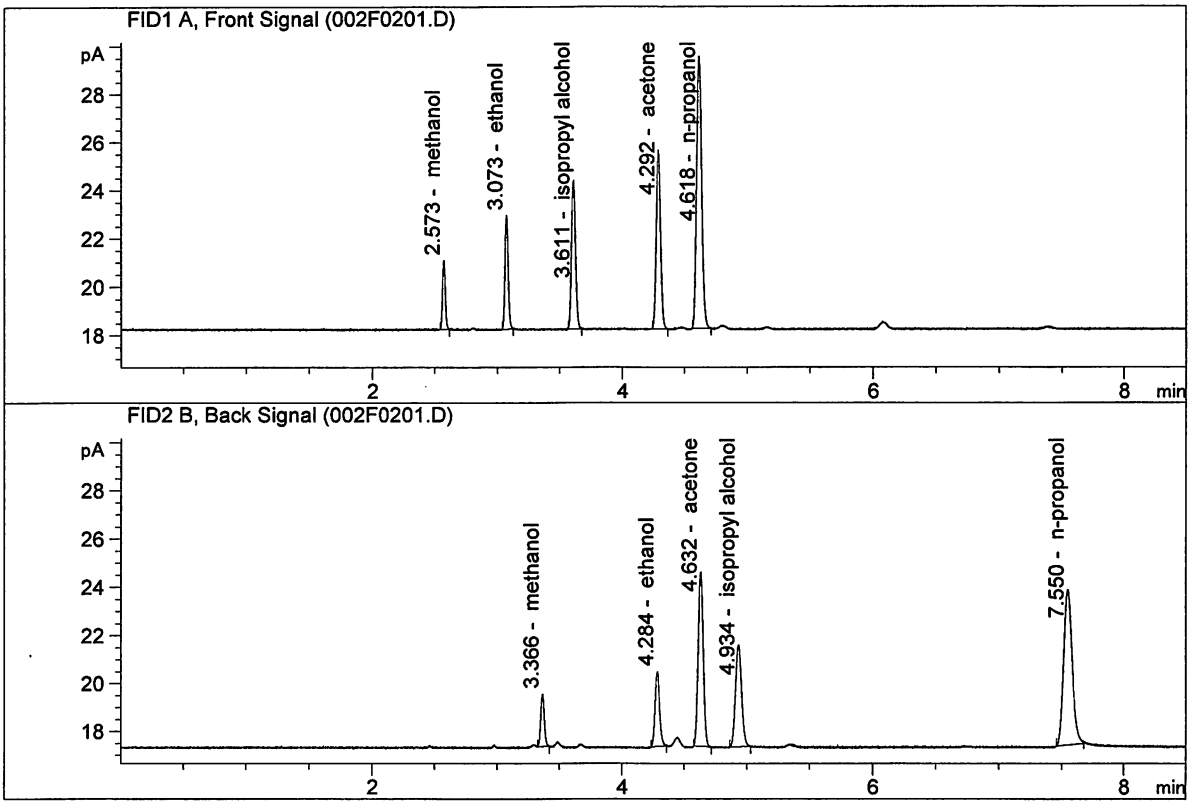


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.51109	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.05202	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN09231404
Laboratory : Meridian
Injection Date : Jun 7, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.39870	0.1235	g/100cc
2.	Ethanol	Column 2:	8.37471	0.1240	g/100cc
3.	n-Propanol	Column 1:	31.72123	1.0000	g/100cc
4.	n-Propanol	Column 2:	31.31808	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 07 Jun 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0790	0.0803	0.0013	0.0796	0.0796	
(g/100cc)	0.0785	0.0806	0.0021	0.0795		

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:
MD96BC1382/MD94AM10010

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

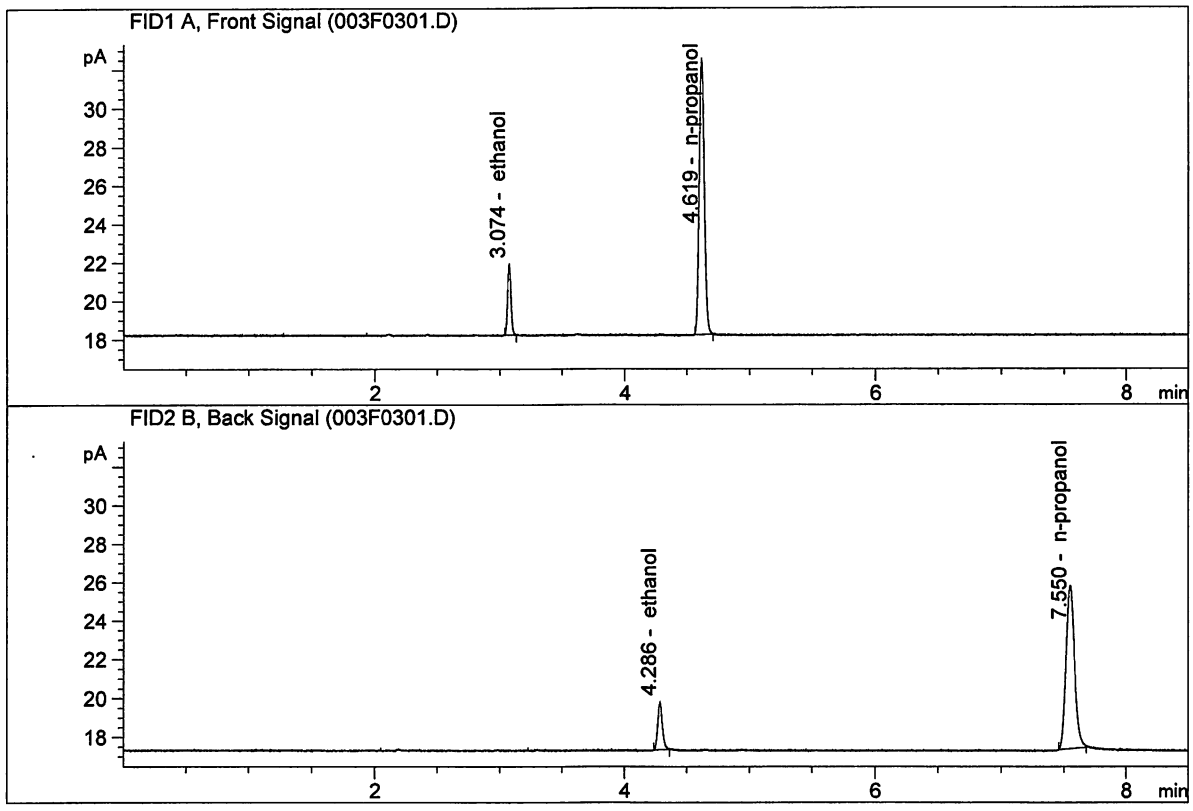
0.079

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Jun 7, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

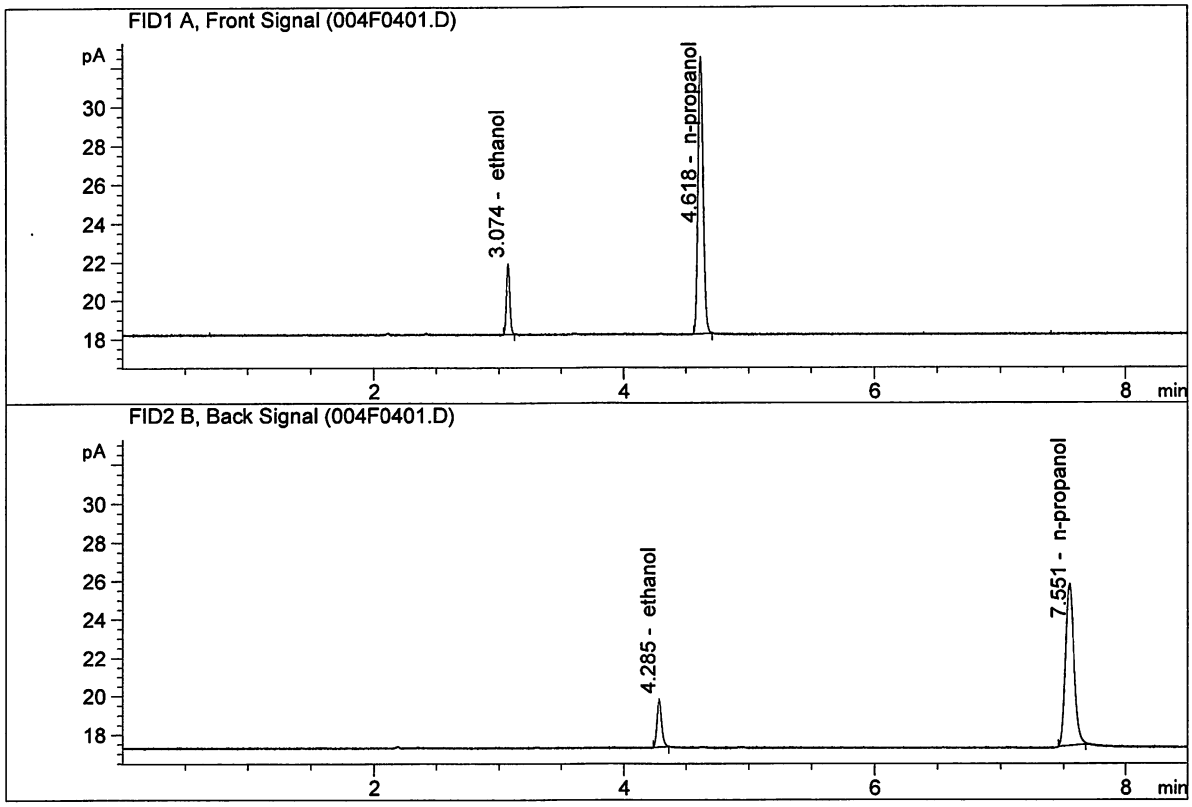


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.82555	0.0790	g/100cc
2.	Ethanol	Column 2:	6.77164	0.0803	g/100cc
3.	n-Propanol	Column 1:	40.71500	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.53540	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Jun 7, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.79059	0.0785	g/100cc
2.	Ethanol	Column 2:	6.81021	0.0806	g/100cc
3.	n-Propanol	Column 1:	40.79356	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.55078	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510 **Analysis Date(s): 07 Jun 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0814	0.0831	0.0017	0.0822	0.0822	
(g/100cc)	0.0816	0.0830	0.0014	0.0823		

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:
MD96BC1382/MD94AM10010

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

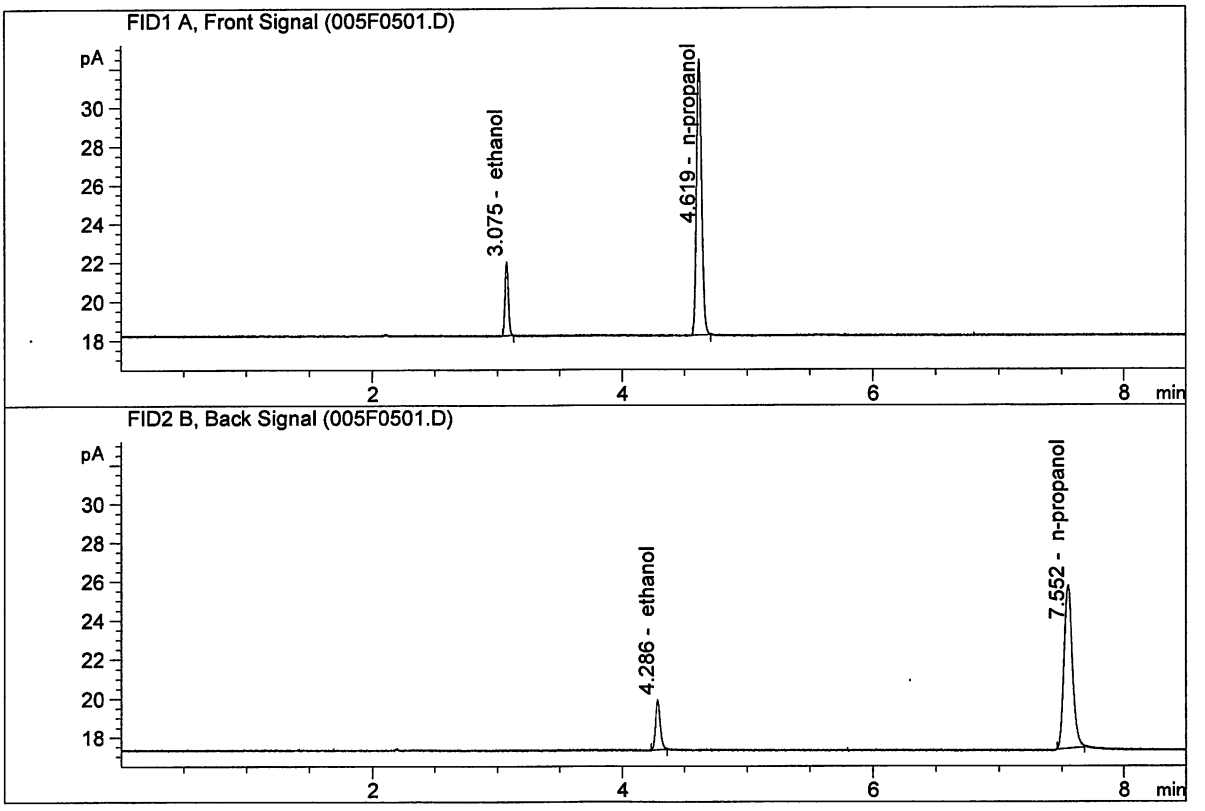
0.082

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-A
Laboratory : Meridian
Injection Date : Jun 7, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

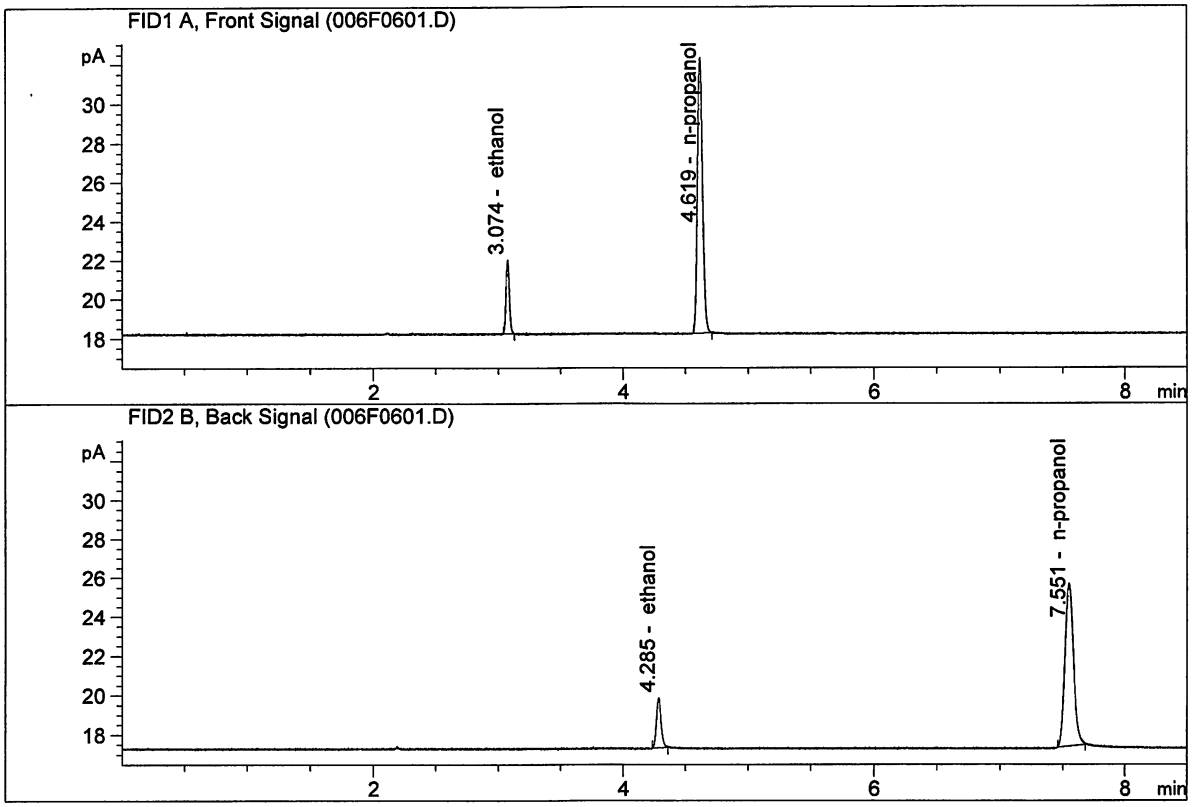


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.98964	0.0814	g/100cc
2.	Ethanol	Column 2:	6.99427	0.0831	g/100cc
3.	n-Propanol	Column 1:	40.45031	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.29671	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
Laboratory : Meridian
Injection Date : Jun 7, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.95941	0.0816	g/100cc
2.	Ethanol	Column 2:	6.90657	0.0830	g/100cc
3.	n-Propanol	Column 1:	40.15088	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.81412	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 07 Jun 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2046	0.2054	0.0008	0.2050	0.2046	
(g/100cc)	0.2040	0.2045	0.0005	0.2042		

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:
MD96BC1382/MD94AM10010

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

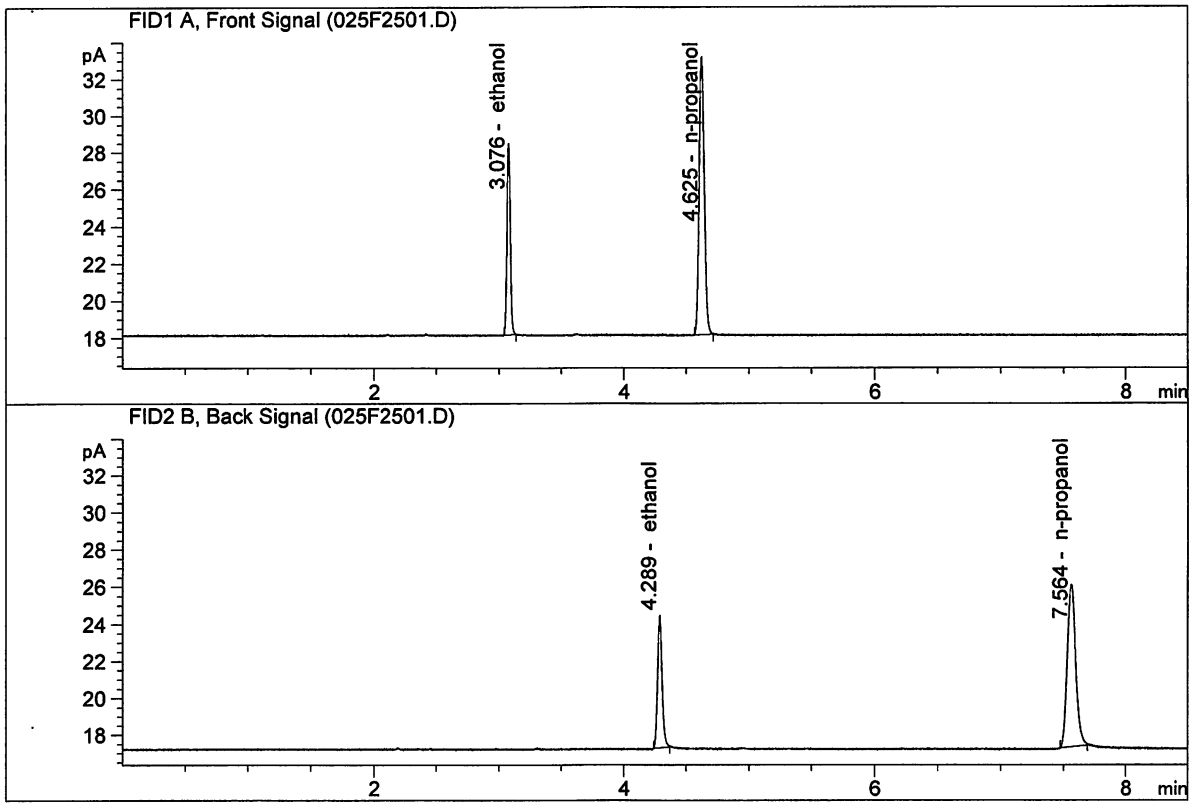
0.204

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Jun 7, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

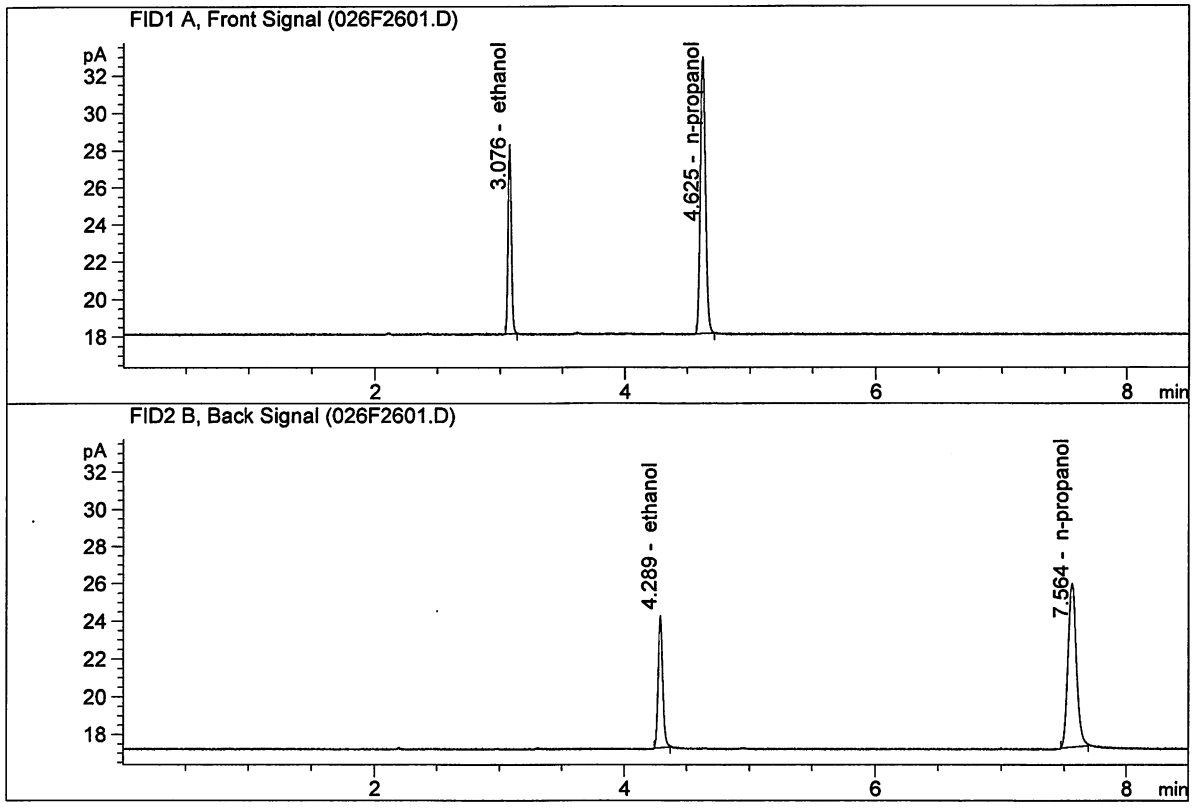


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.91653	0.2046	g/100cc
2.	Ethanol	Column 2:	19.24550	0.2054	g/100cc
3.	n-Propanol	Column 1:	42.80930	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.37719	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Jun 7, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.58473	0.2040	g/100cc
2.	Ethanol	Column 2:	18.89379	0.2045	g/100cc
3.	n-Propanol	Column 1:	42.19015	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.80269	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 08 Jun 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0809	0.0826	0.0017	0.0817	0.0820	
(g/100cc)	0.0812	0.0835	0.0023	0.0823		

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:
MD96BC1382/MD94AM10010

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

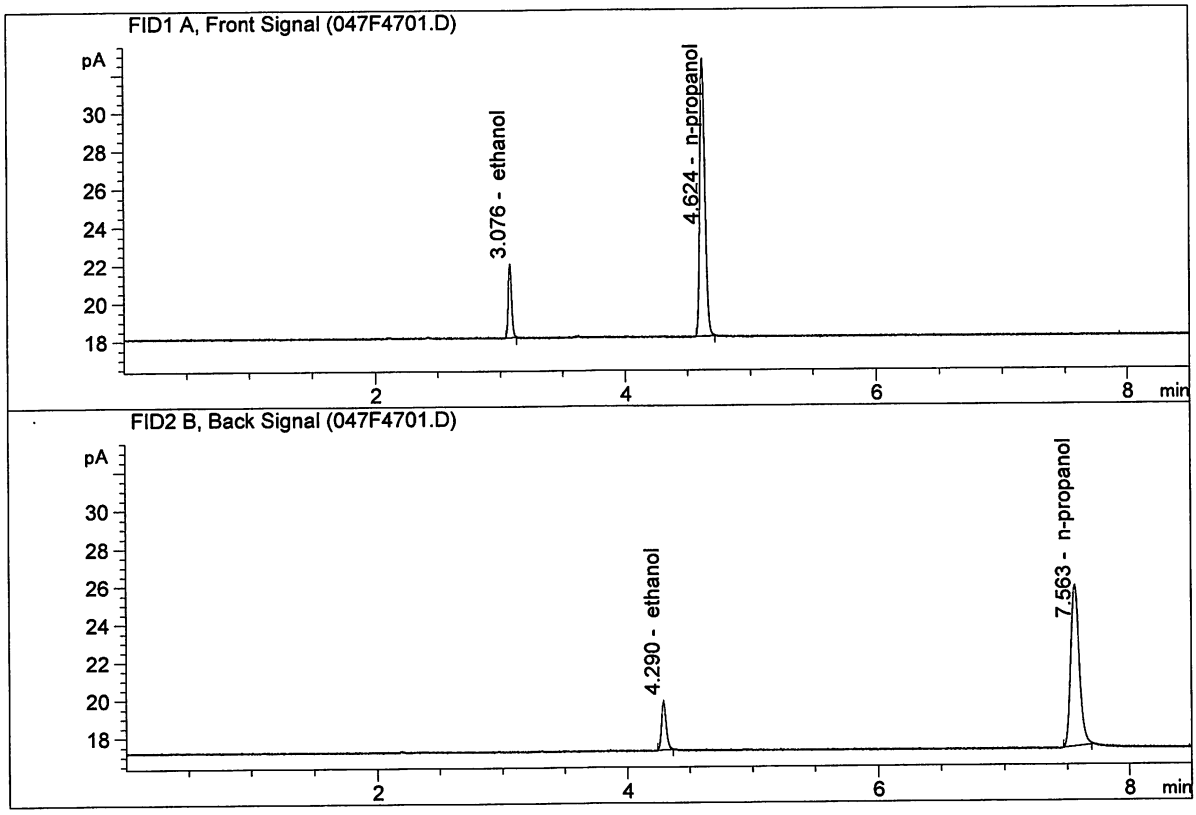
0.082

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Jun 8, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

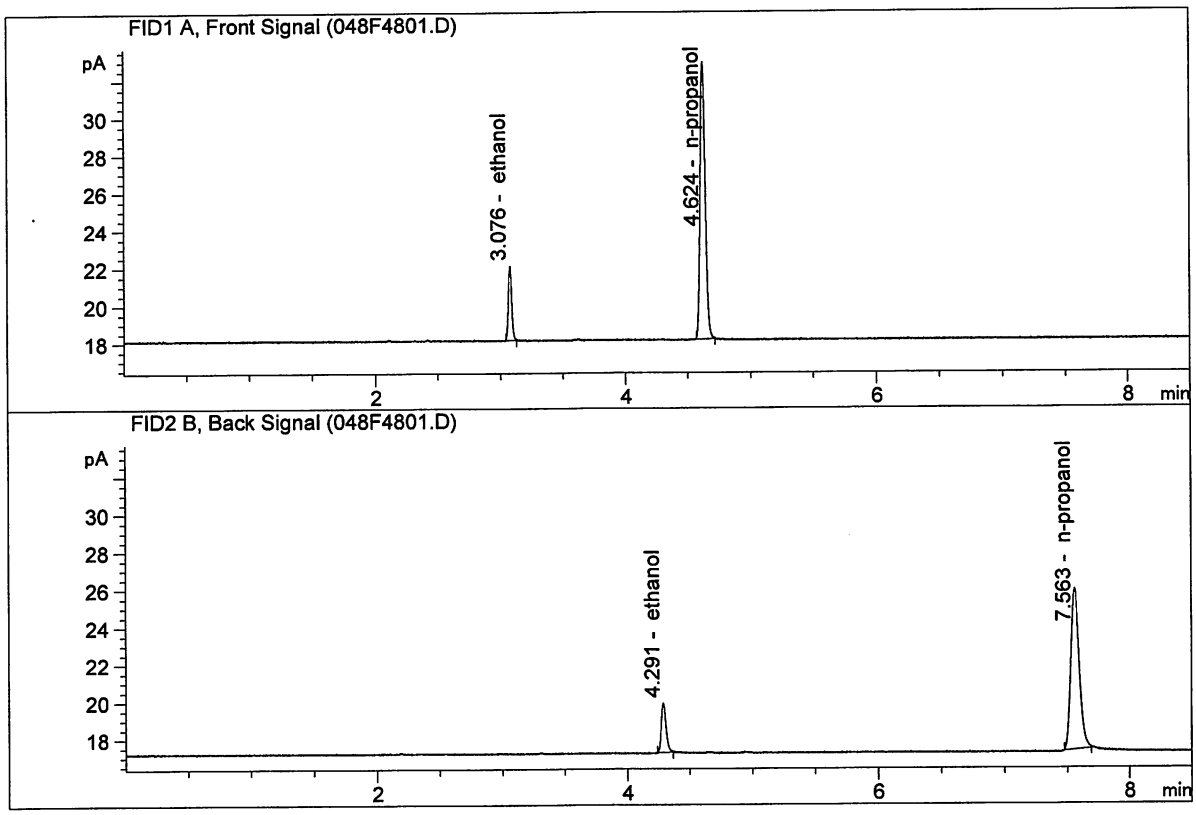


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.14463	0.0809	g/100cc
2.	Ethanol	Column 2:	7.12856	0.0826	g/100cc
3.	n-Propanol	Column 1:	41.61426	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.35339	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Jun 8, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.25633	0.0812	g/100cc
2.	Ethanol	Column 2:	7.27630	0.0835	g/100cc
3.	n-Propanol	Column 1:	42.11786	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.67869	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 08 Jun 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2067	0.2077	0.0010	0.2072	0.2078	
(g/100cc)	0.2078	0.2090	0.0012	0.2084		

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:
MD96BC1382/MD94AM10010

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.207	**0.196**	**0.218**	**0.011**

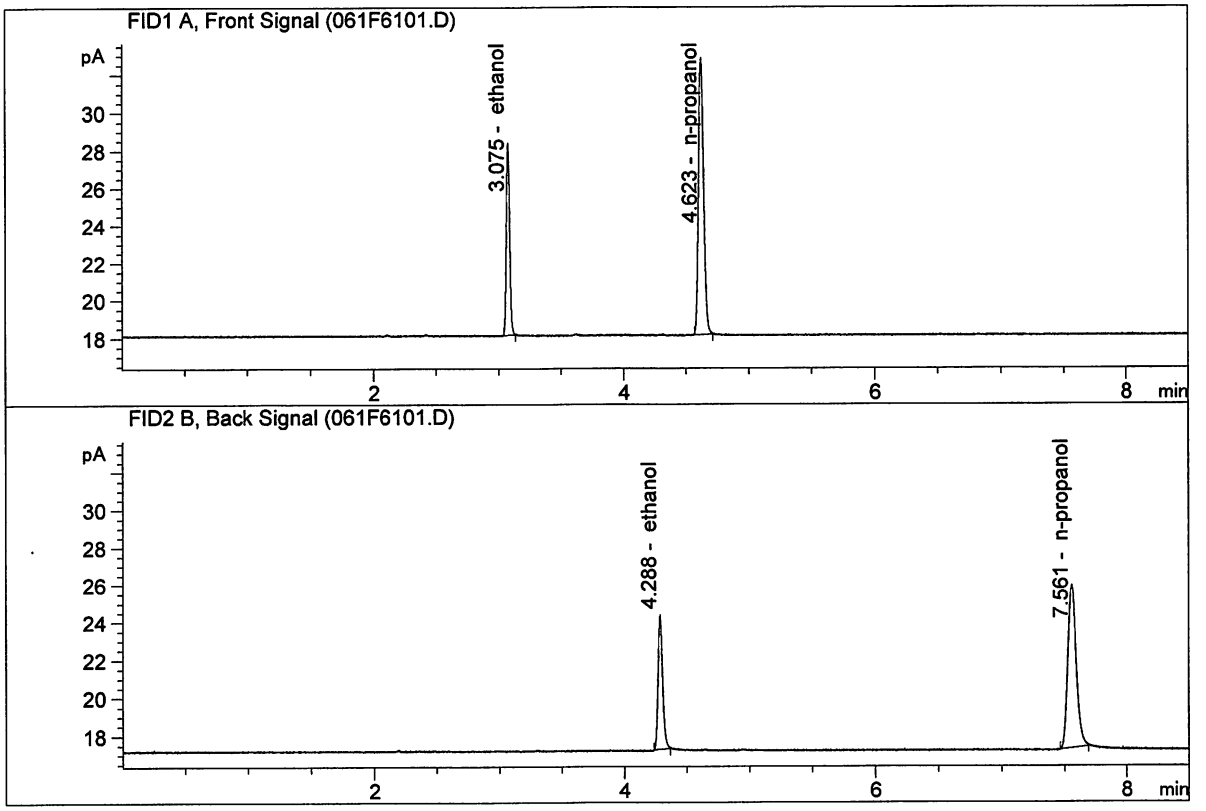
	Reported Result	
	0.207	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Jun 8, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

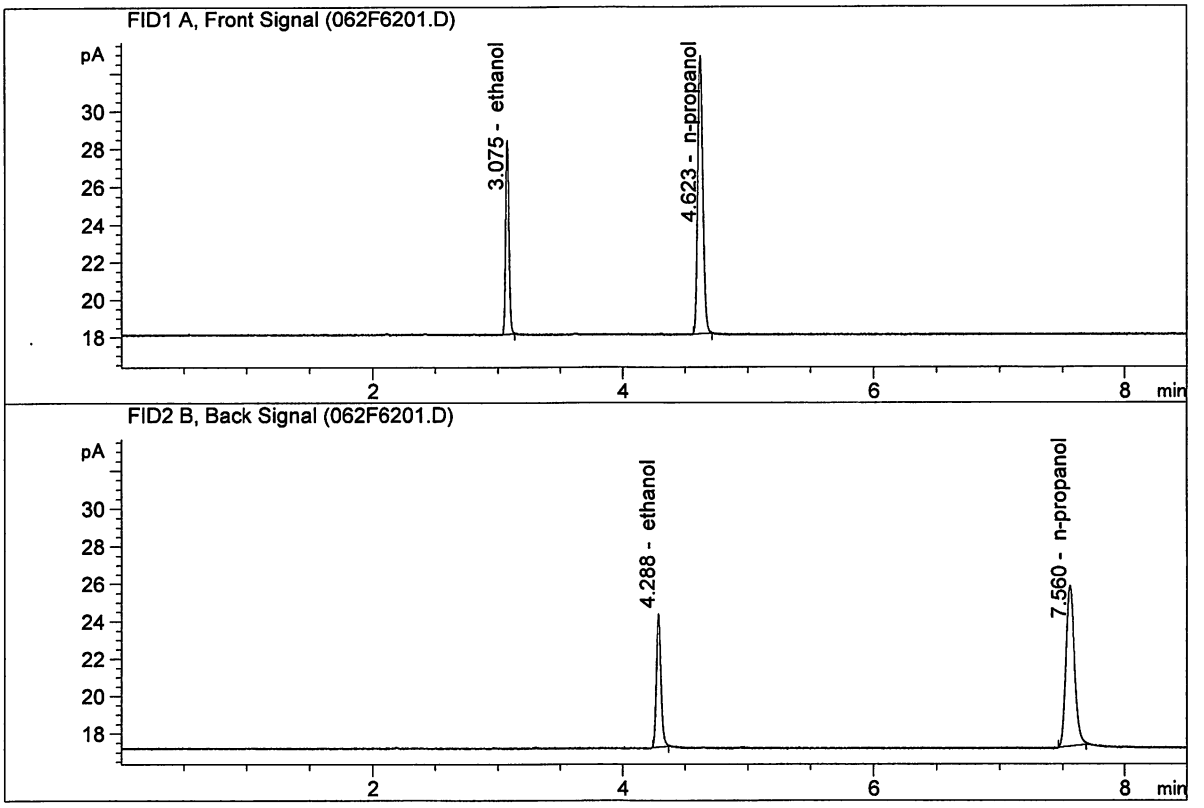


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.71838	0.2067	g/100cc
2.	Ethanol	Column 2:	19.09723	0.2077	g/100cc
3.	n-Propanol	Column 1:	41.93121	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.56803	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Jun 8, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

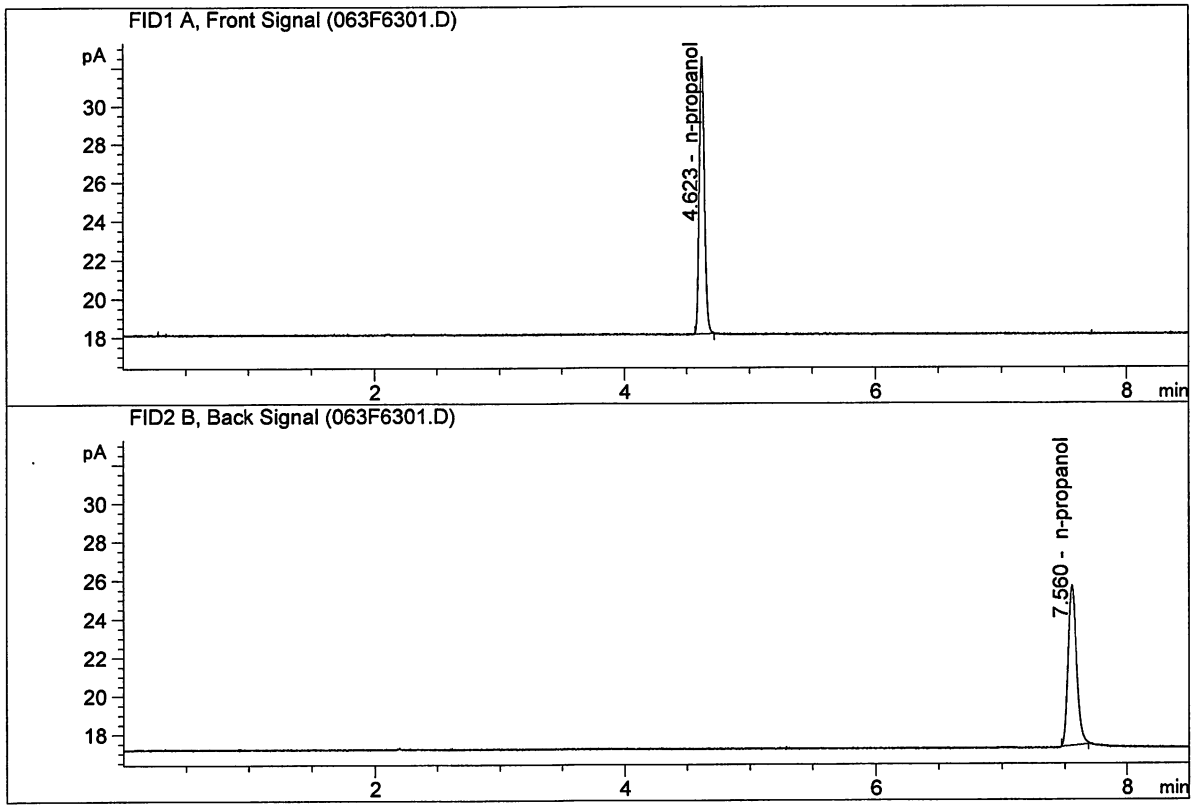


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.79343	0.2078	g/100cc
2.	Ethanol	Column 2:	19.14401	0.2090	g/100cc
3.	n-Propanol	Column 1:	41.87846	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.40265	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jun 8, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

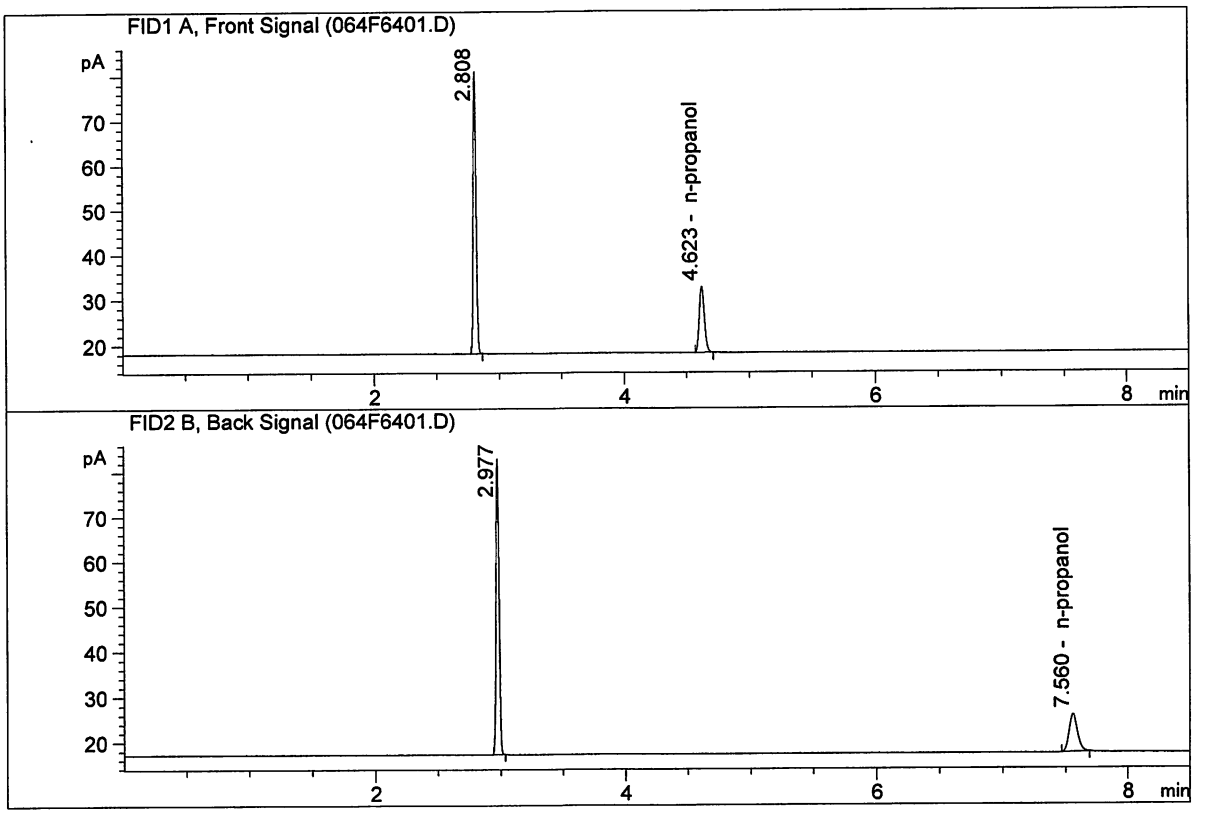


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	40.85651	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.21648	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : Acetaldehyde A014723701
Laboratory : Meridian
Injection Date : Jun 8, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

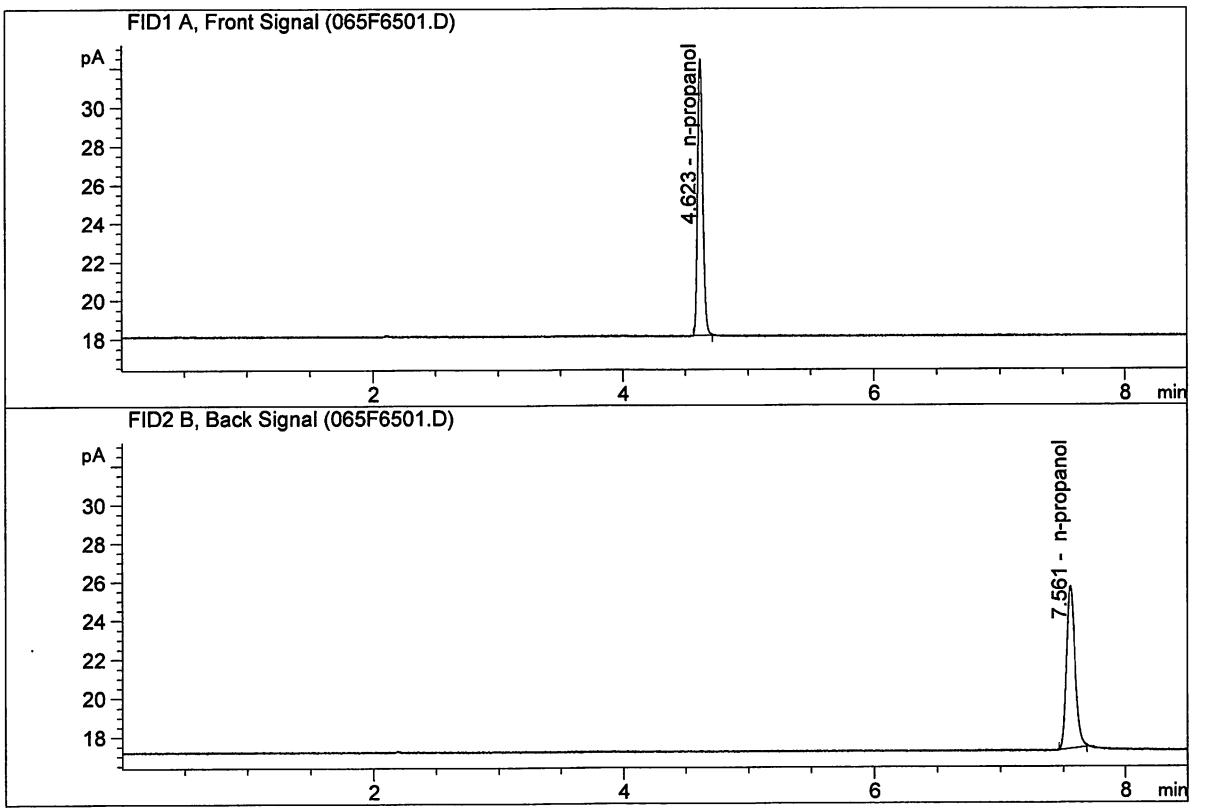


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.29649	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.91602	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jun 8, 2017
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:	40.83158	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.41618	1.0000	g/100cc

JG

Sequence File C:\Chem32\...7_SAMPLES\06-07-17_SAMPLES 2017-06-07 15-56-01\06-07-17_SAMPLES.S

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\Data\06-07-17_SAMPLES\06-07-17_SAMPLES 2017-06-07 15-56-01\06-07-17_SAMPLES.S
Data directory path: C:\Chem32\1\Data\06-07-17_SAMPLES\06-07-17_SAMPLES 2017-06-07 15-56-01\
Logbook: C:\Chem32\1\Data\06-07-17_SAMPLES\06-07-17_SAMPLES 2017-06-07 15-56-01\06-07-17_SAMPLES.LOG
Sequence start: 6/7/2017 4:10:53 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\06-07-17_SAMPLES\06-07-17_SAMPLES 2017-06-07 15-56-01\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 FN092314	-	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 FN10281510-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN10281510-	-	1.0000	006F0601.D		4
7	7	1	C2017-1052-1-A	-	1.0000	007F0701.D		2
8	8	1	C2017-1052-1-B	-	1.0000	008F0801.D		2
9	9	1	M2017-2386-1-A	-	1.0000	009F0901.D		4
10	10	1	M2017-2386-1-B	-	1.0000	010F1001.D		4
11	11	1	M2017-2437-1-A	-	1.0000	011F1101.D		4
12	12	1	M2017-2437-1-B	-	1.0000	012F1201.D		4
13	13	1	M2017-2442-1-A	-	1.0000	013F1301.D		4
14	14	1	M2017-2442-1-B	-	1.0000	014F1401.D		4
15	15	1	M2017-2443-1-A	-	1.0000	015F1501.D		4
16	16	1	M2017-2443-1-B	-	1.0000	016F1601.D		4
17	17	1	M2017-2446-1-A	-	1.0000	017F1701.D		2
18	18	1	M2017-2446-1-B	-	1.0000	018F1801.D		2
19	19	1	M2017-2453-1-A	-	1.0000	019F1901.D		4
20	20	1	M2017-2453-1-B	-	1.0000	020F2001.D		4
21	21	1	M2017-2456-1-A	-	1.0000	021F2101.D		4
22	22	1	M2017-2456-1-B	-	1.0000	022F2201.D		4
23	23	1	M2017-2457-1-A	-	1.0000	023F2301.D		4
24	24	1	M2017-2457-1-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	M2017-2458-1-A	-	1.0000	027F2701.D		4
28	28	1	M2017-2458-1-B	-	1.0000	028F2801.D		4
29	29	1	M2017-2473-1-A	-	1.0000	029F2901.D		4
30	30	1	M2017-2473-1-B	-	1.0000	030F3001.D		4
31	31	1	M2017-2474-1-A	-	1.0000	031F3101.D		4
32	32	1	M2017-2474-1-B	-	1.0000	032F3201.D		4
33	33	1	M2017-2482-1-A	-	1.0000	033F3301.D		2
34	34	1	M2017-2482-1-B	-	1.0000	034F3401.D		2
35	35	1	M2017-2483-1-A	-	1.0000	035F3501.D		4
36	36	1	M2017-2483-1-B	-	1.0000	036F3601.D		4
37	37	1	M2017-2484-1-A	-	1.0000	037F3701.D		4
38	38	1	M2017-2484-1-B	-	1.0000	038F3801.D		4
39	39	1	M2017-2485-1-A	-	1.0000	039F3901.D		4
40	40	1	M2017-2485-1-B	-	1.0000	040F4001.D		4
41	41	1	M2017-2492-1-A	-	1.0000	041F4101.D		4
42	42	1	M2017-2492-1-B	-	1.0000	042F4201.D		4
43	43	1	M2017-2493-1-A	-	1.0000	043F4301.D		2

JC

Sequence File C:\Chem32\...7_SAMPLES\06-07-17_SAMPLES 2017-06-07 15-56-01\06-07-17_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	M2017-2493-1-B	-	1.0000	044F4401.D	2
45	45	1	M2017-2494-1-A	-	1.0000	045F4501.D	4
46	46	1	M2017-2494-1-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	M2017-2494-2-A	-	1.0000	049F4901.D	4
50	50	1	M2017-2494-2-B	-	1.0000	050F5001.D	4
51	51	1	M2017-2498-1-A	-	1.0000	051F5101.D	2
52	52	1	M2017-2498-1-B	-	1.0000	052F5201.D	2
53	53	1	M2017-2498-2-A	-	1.0000	053F5301.D	2
54	54	1	M2017-2498-2-B	-	1.0000	054F5401.D	2
55	55	1	M2017-2499-1-A	-	1.0000	055F5501.D	4
56	56	1	M2017-2499-1-B	-	1.0000	056F5601.D	4
57	57	1	M2017-2523-1-A	-	1.0000	057F5701.D	4
58	58	1	M2017-2523-1-B	-	1.0000	058F5801.D	4
59	59	1	M2017-2526-1-A	-	1.0000	059F5901.D	4
60	60	1	M2017-2526-1-B	-	1.0000	060F6001.D	4
61	61	1	QC2-2-A	-	1.0000	061F6101.D	4
62	62	1	QC2-2-B	-	1.0000	062F6201.D	4
63	63	1	INTERNAL STD BLK	-	1.0000	063F6301.D	2
64	64	1	Acetaldehyde A01	-	1.0000	064F6401.D	2
65	65	1	INTERNAL STD BLK	-	1.0000	065F6501.D	2

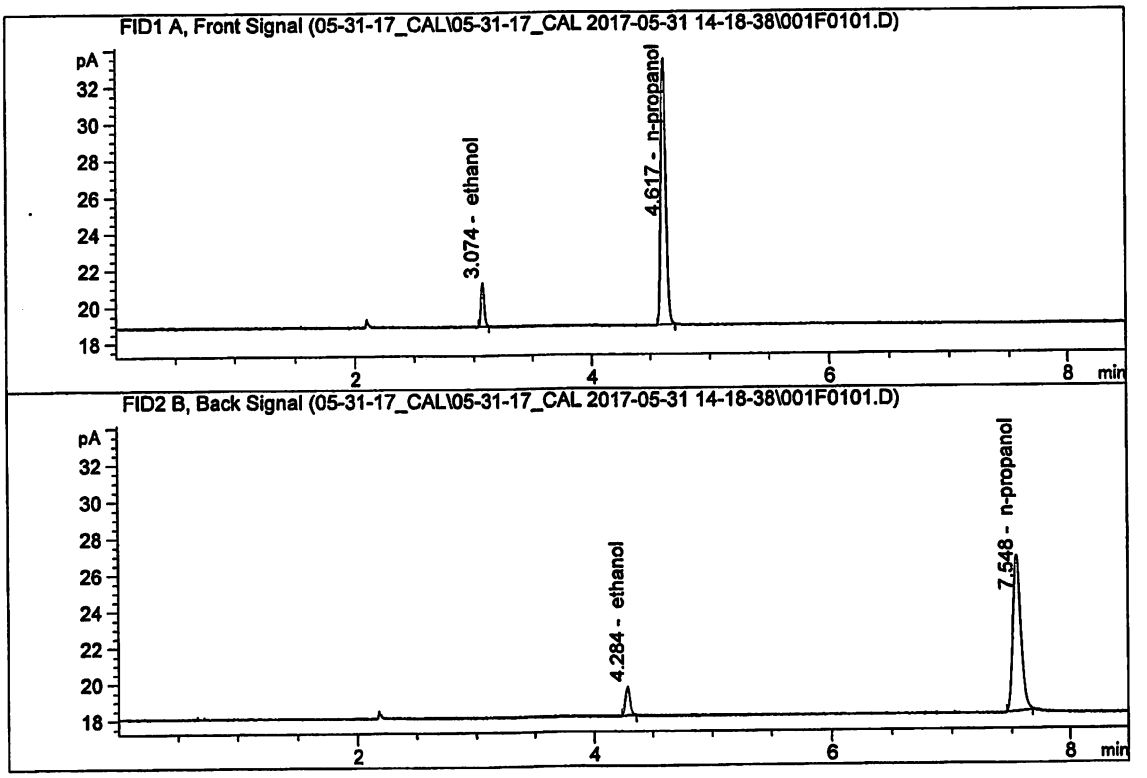
Method file name: C:\Chem32\1\Data\06-07-17_SAMPLES\06-07-17_SAMPLES 2017-06-07 15-56-01 \SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
66	66	1	EMPTY	-	1.0000	066F6601.D	0

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406
Laboratory : Meridian
Injection Date : May 31, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

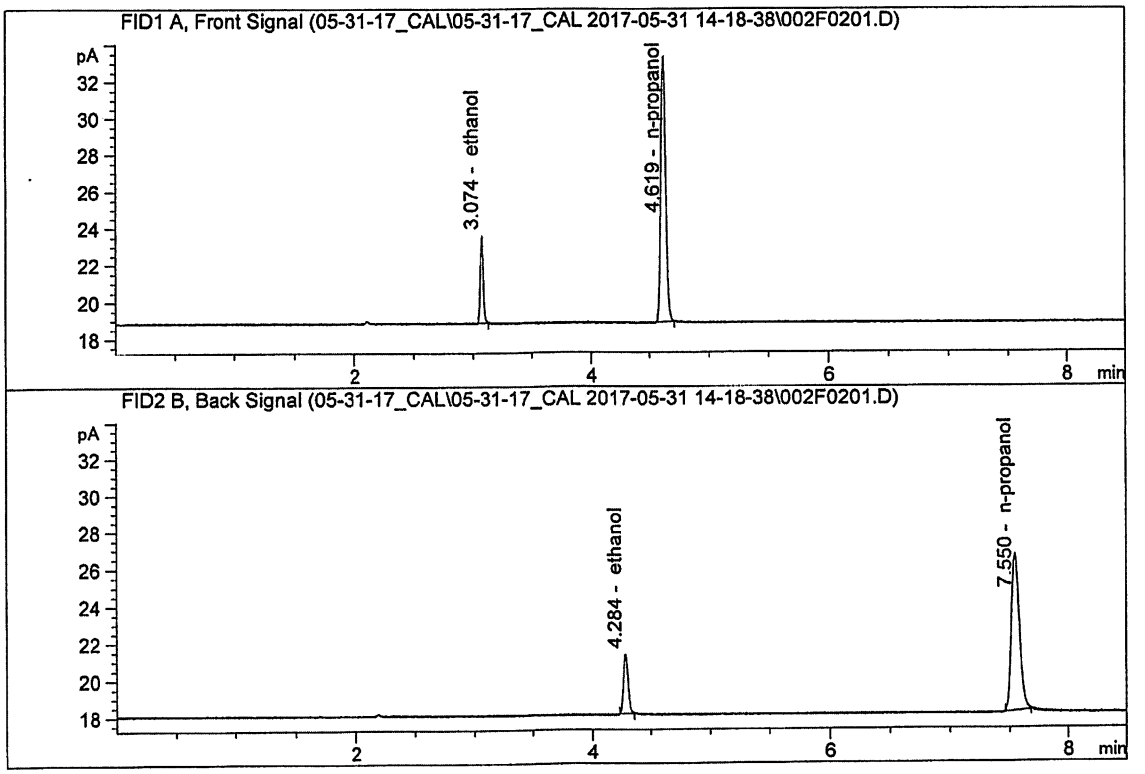


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.38233	0.0508	g/100cc
2.	Ethanol	Column 2:	4.33817	0.0532	g/100cc
3.	n-Propanol	Column 1:	41.34468	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.26481	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN06181501
Laboratory : Meridian
Injection Date : May 31, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

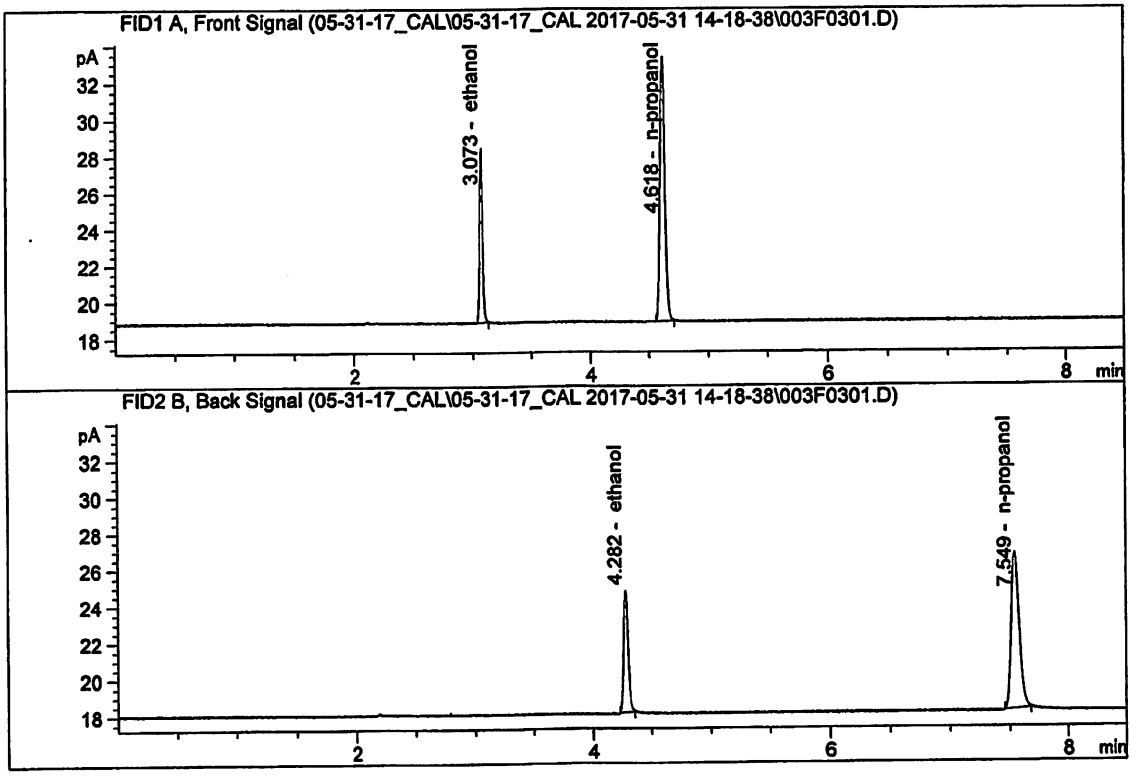


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.83756	0.1003	g/100cc
2.	Ethanol	Column 2:	8.74374	0.1005	g/100cc
3.	n-Propanol	Column 1:	41.26591	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.96438	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN07201502
Laboratory : Meridian
Injection Date : May 31, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

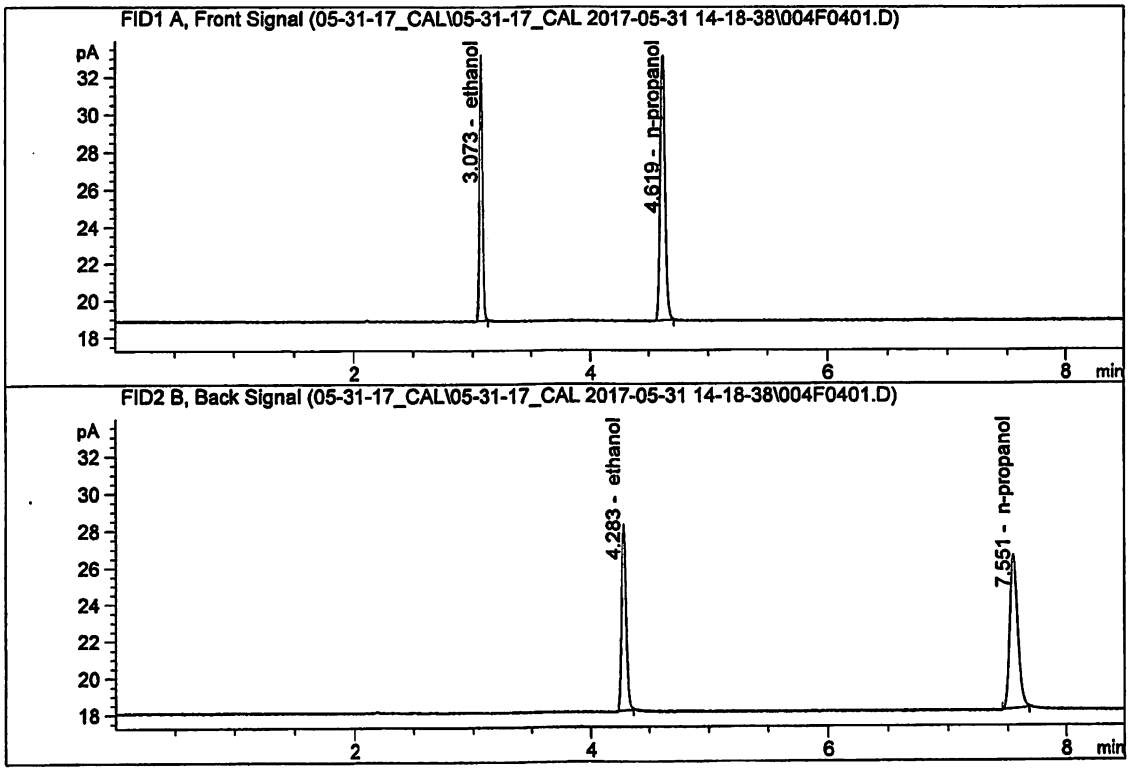


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.76173	0.1992	g/100cc
2.	Ethanol	Column 2:	17.88181	0.1966	g/100cc
3.	n-Propanol	Column 1:	41.31436	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.20905	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN02121601
Laboratory : Meridian
Injection Date : May 31, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

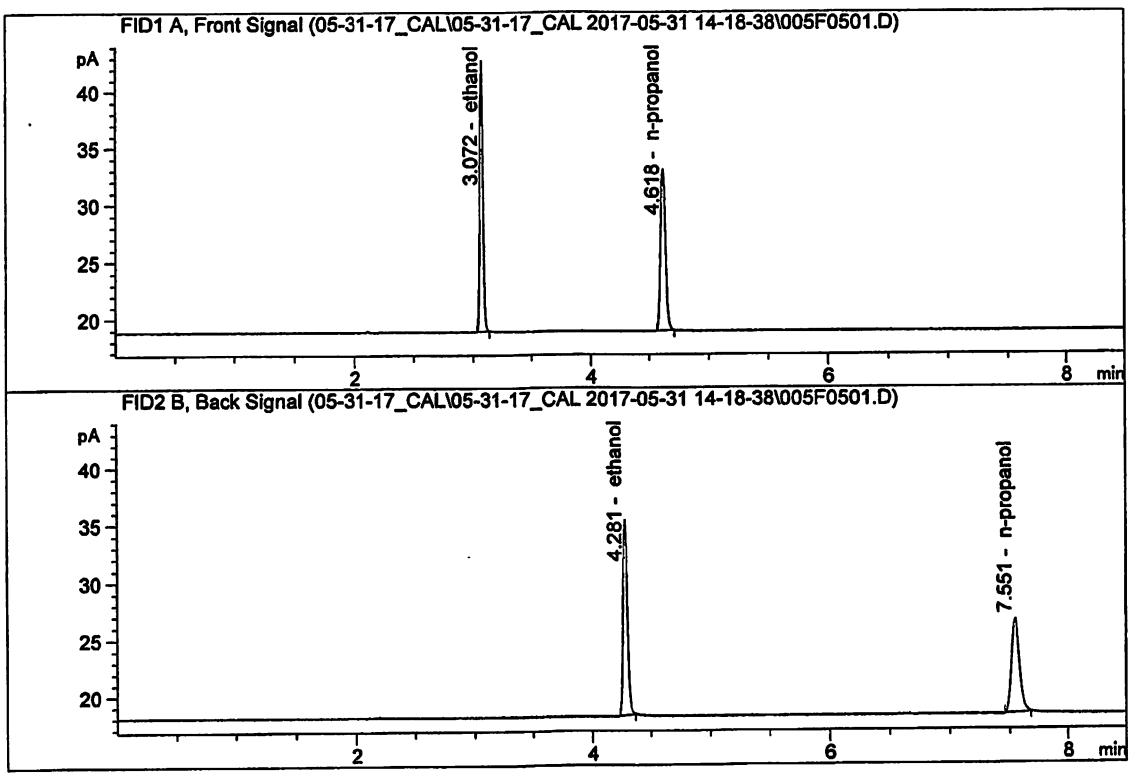


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.33768	0.2988	g/100cc
2.	Ethanol	Column 2:	26.98684	0.2968	g/100cc
3.	n-Propanol	Column 1:	40.68045	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.66084	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402
Laboratory : Meridian
Injection Date : May 31, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

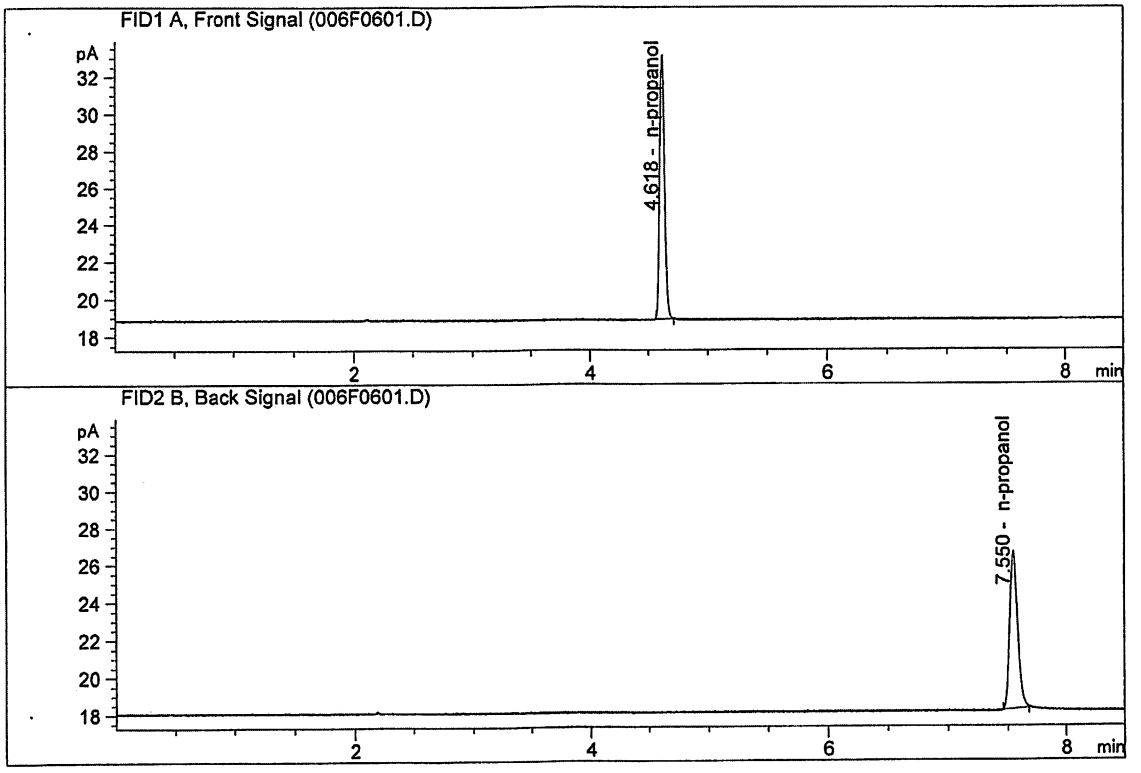


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.86459	0.5009	g/100cc
2.	Ethanol	Column 2:	45.52216	0.5028	g/100cc
3.	n-Propanol	Column 1:	40.28580	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.06374	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : May 31, 2017
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:	40.79368	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.67815	1.0000	g/100cc

JG

Sequence File C:\Chem32\1\Data\05-31-17_CAL\05-31-17_CAL 2017-05-31 14-18-38\05-31-17_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\05-31-17_CAL\05-31-17_CAL 2017-05-31 14-18-38\05-31-17_CAL.S
Data directory path: C:\Chem32\1\Data\05-31-17_CAL\05-31-17_CAL 2017-05-31 14-18-38\
Logbook: C:\Chem32\1\Data\05-31-17_CAL\05-31-17_CAL 2017-05-31 14-18-38\05-31-17_CAL.LOG
Sequence start: 5/31/2017 2:33:16 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\05-31-17_CAL\05-31-17_CAL 2017-05-31 14-18-38\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN06231406	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN06181501	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN07201502	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN02121601	-	1.0000	004F0401.D	*	4
5	5	1	0.500 FN07031402	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

JG

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, May 31, 2017 3:23:57 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

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
3.072	1	1	5.00000e-2	4.38233	1.14095e-2	No	No	1	ethanol
		2	1.00000e-1	8.83756	1.13153e-2				
		3	2.00000e-1	17.76173	1.12602e-2				
		4	3.00000e-1	26.33768	1.13905e-2				
		5	5.00000e-1	43.86459	1.13987e-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
4.281	2	1	5.00000e-2	4.33817	1.15256e-2	No	No	2	ethanol
		2	1.00000e-1	8.74374	1.14368e-2				
		3	2.00000e-1	17.88181	1.11845e-2				
		4	3.00000e-1	26.98684	1.11165e-2				
		5	5.00000e-1	45.52216	1.09837e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.618	1	1	1.00000	41.34468	2.41869e-2	No	Yes	1	n-propanol
		2	1.00000	41.26591	2.42331e-2				
		3	1.00000	41.31436	2.42047e-2				
		4	1.00000	40.68045	2.45818e-2				
		5	1.00000	40.28580	2.48226e-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	41.26481	2.42337e-2	No	Yes	2	n-propanol
		2	1.00000	40.96438	2.44115e-2				
		3	1.00000	41.20905	2.42665e-2				
		4	1.00000	40.66084	2.45937e-2				
		5	1.00000	40.06374	2.49602e-2				

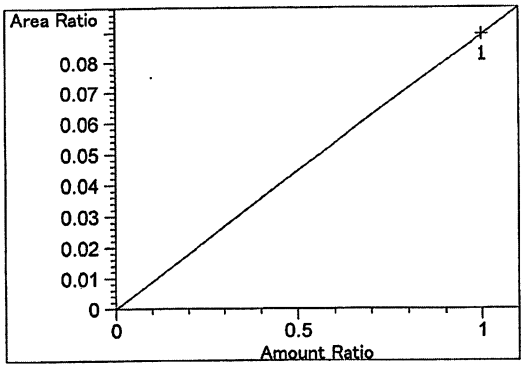
Peak Sum Table

No Entries in table

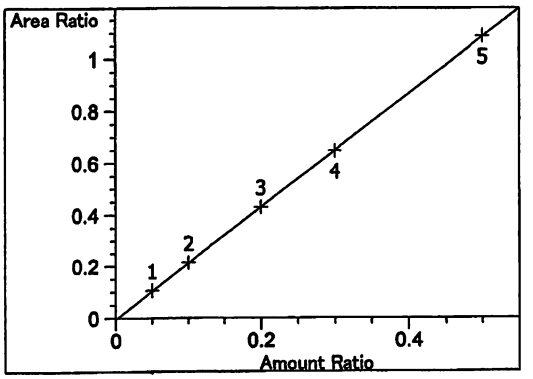
1 Warnings or Errors :

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

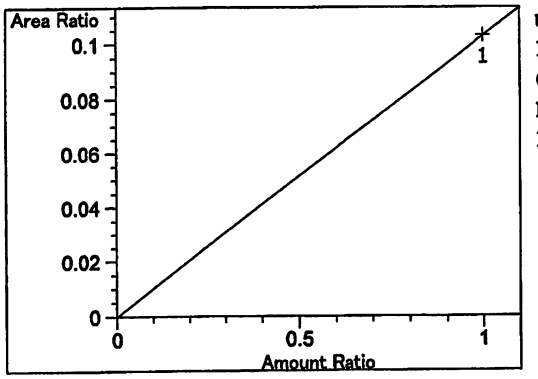
Calibration Curves



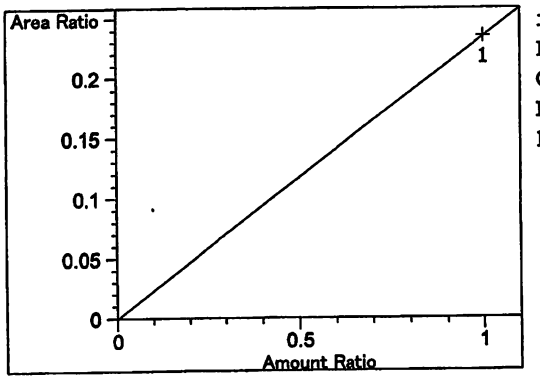
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.94116e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



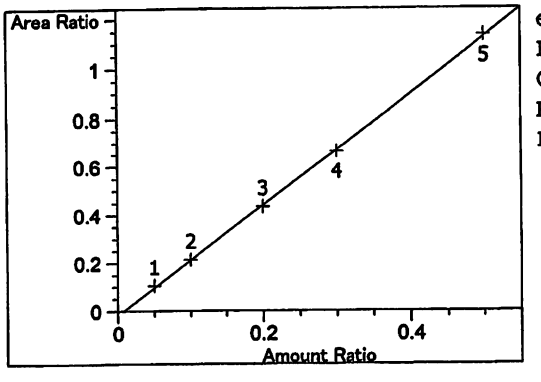
ethanol at exp. RT: 3.072
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00247
Formula: y = mx + b
m: 2.18350
b: -4.93754e-3
x: Amount Ratio
y: Area Ratio



methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.03251e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

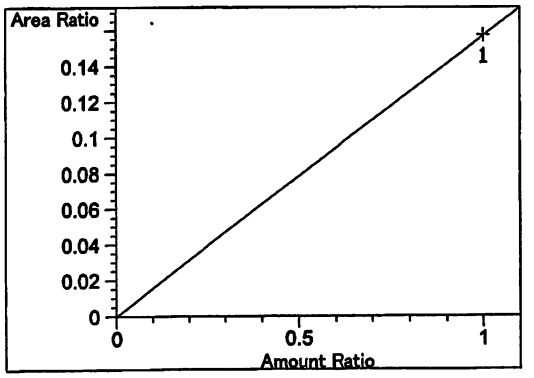


isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.35352e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

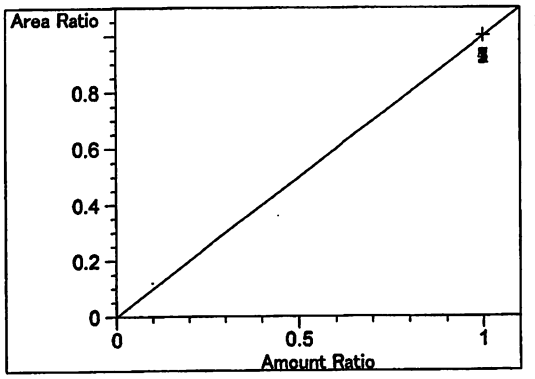


ethanol at exp. RT: 4.281
FID2 B, Back Signal
Correlation: 0.99984
Residual Std. Dev.: 0.00843
Formula: y = mx + b
m: 2.29340
b: -1.69916e-2
x: Amount Ratio
y: Area Ratio

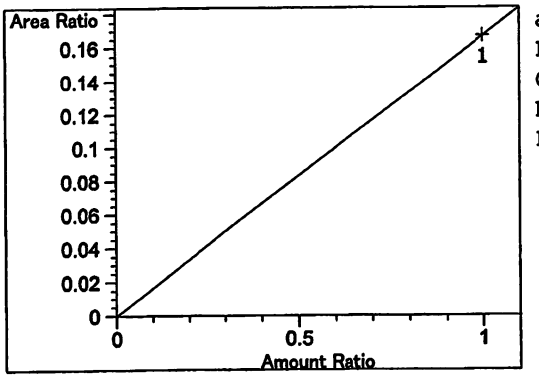
JC



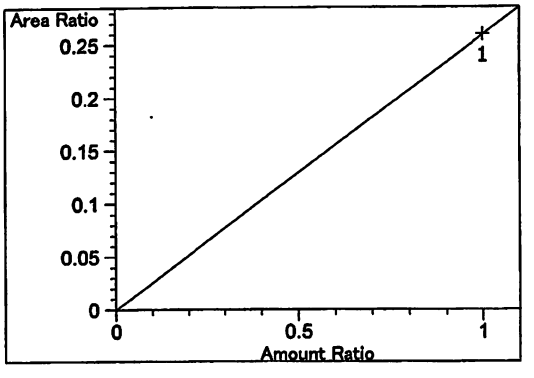
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.57200e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



n-propanol at exp. RT: 4.618
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



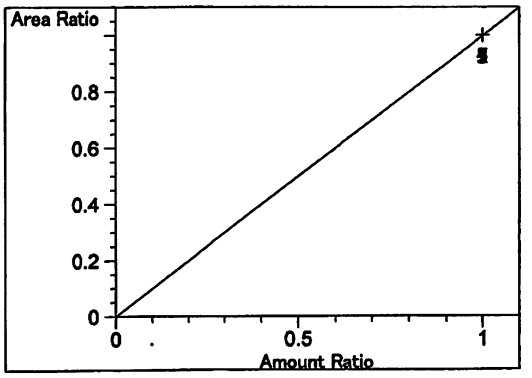
acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.67043e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.59456e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

JC

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



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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