

**WASHINGTON STATE TOXICOLOGY LABORATORY**  
 FORENSIC LABORATORY SERVICES BUREAU  
 WASHINGTON STATE PATROL  
 2203 AIRPORT WAY S, SUITE 360  
 SEATTLE, WASHINGTON 98134-2027  
 (206) 262-6100 FAX (206) 262-6145

Preparation and certification of **0.04** g/210L **Quality Assurance solution**

Batch number **03042**

Date: 12/19/2003

Preparation: 11.1 mL of absolute ethyl alcohol diluted to 18 Liters with water

Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal10	Anal 11	Anal 12
1	0.050	0.050	0.050									
2	0.050	0.050	0.050									
3	0.049	0.050	0.050									
4	0.049	0.050	0.050									
5	0.049	0.050	0.049									
Ctrl	0.100	0.098	0.099									

**External Control:**

Lot #: A024546 Exp date: 09/05

Target concentration: 0.10 g/100mL

**Statistics:**

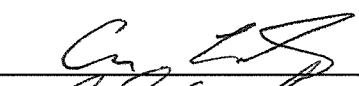


Avg. solution concent.: 0.0497 g/100 mL

SD: 0.00046

Range (3xSD): 0.0484 to 0.0511

Precision CV (%): 0.9204 %

**Equivalent vapor concent.:** 0.0404 g/210L

Analyst	Name	Signature	Date
1	Asa Louis		12/19/03
2	Mary E Wilson		12/19/03
3	Estuardo Miranda		12/19/03
4			
5			
6			
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8			
9			
10			
11			
12			

Prepared by: Asa Louis according to the approved protocol



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BAC VERIFIER DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION

I, Asa J. Louis, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Biochemistry and seven years in Toxicology.

The quality assurance solution, Lot Number 03042, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0497 grams per 100ml.

Dated: 12/29/03  
Seattle, WA

Asa J. Louis  
Forensic Toxicologist

AJL/bf  
AJLQA





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BAC VERIFIER DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION


I, Mary E. Wilson, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Biology and a minor in Chemistry with two years of experience in toxicology, including one year in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 03042, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0497 grams per 100ml.

Dated: 12/29/03  
Seattle, WA

  
Mary E. Wilson  
Forensic Toxicologist

MEW/bf  
MEWQA





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BAC VERIFIER DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION

I, Estuardo J. Miranda, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Bachelor of Science in Chemistry, Master of Science in Zoology, seven years experience in biochemical research and five years experience in Forensic Toxicology.

The quality assurance solution, Lot Number 03042 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0497 grams per 100ml.

Dated: 12/29/03  
Seattle, WA

Estuardo J. Miranda  
Forensic Toxicologist

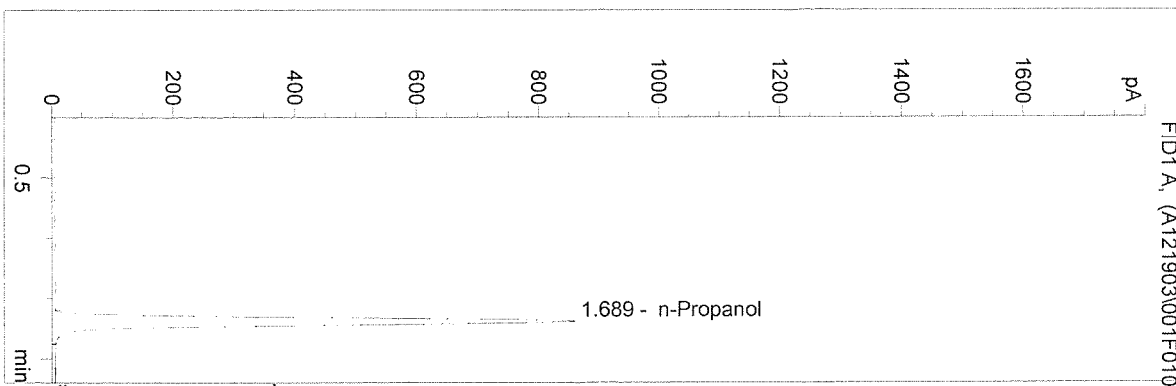
EM/bf  
EMQA



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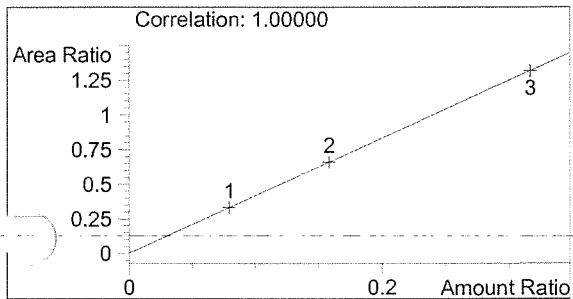
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vial # 1

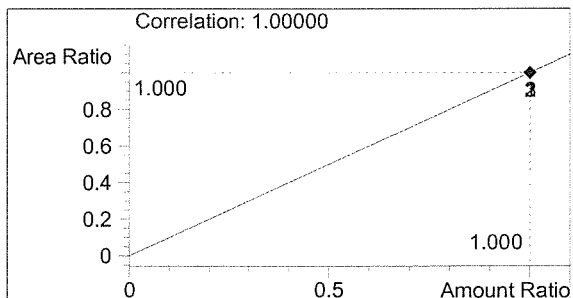


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3615	1.689

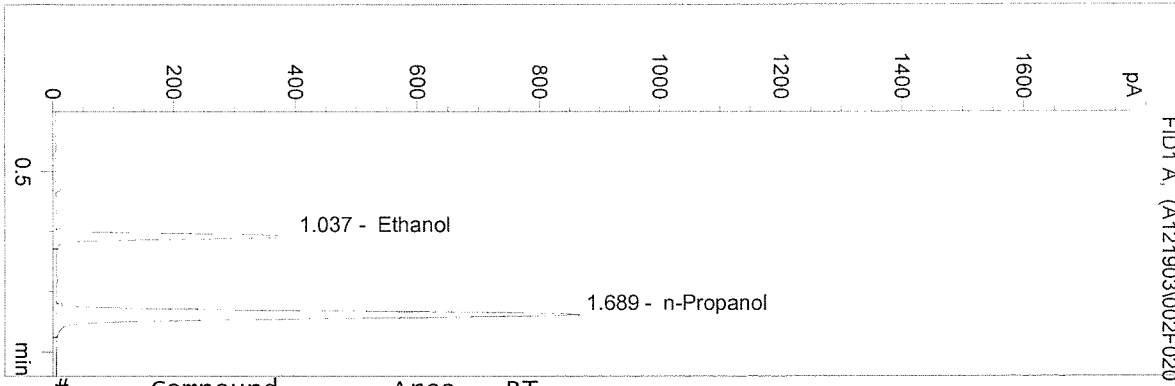
Totals:



Ethanol 0.000 g/100ml

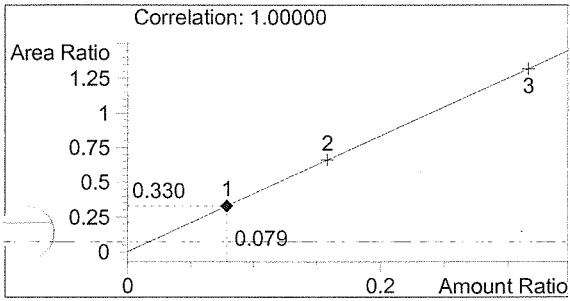


n-Propanol 1.000 g/100ml

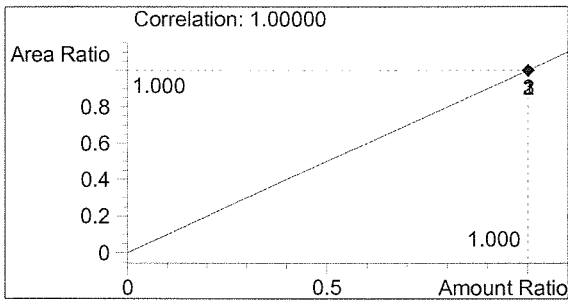


#	Compound	Area	RT
1	Ethanol	1204	1.037
2	n-Propanol	3647	1.689

Totals:



Ethanol 0.079 g/100ml

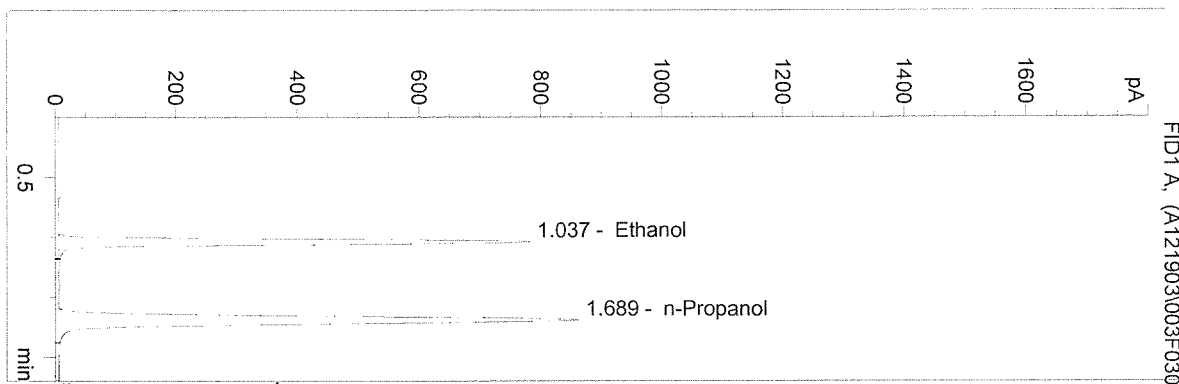


n-Propanol 1.000 g/100ml

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Instrument 2  
ALC1

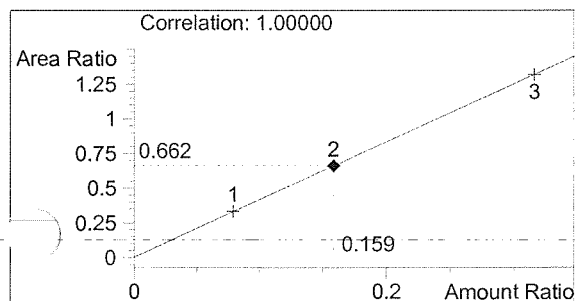
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alouis

vial # 3

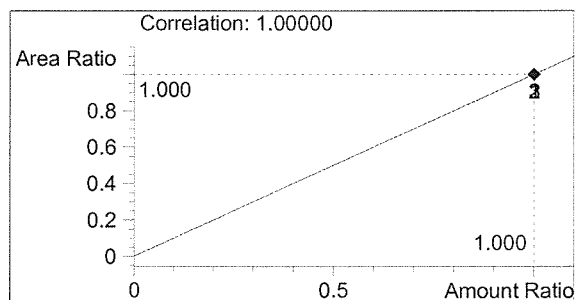


#	Compound	Area	RT
1	Ethanol	2405	1.037
2	n-Propanol	3633	1.689

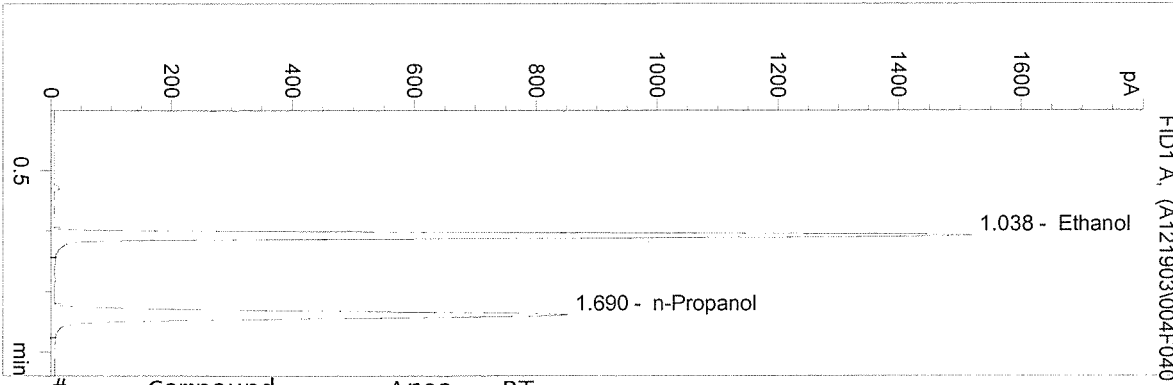
Totals:



Ethanol 0.159 g/100ml

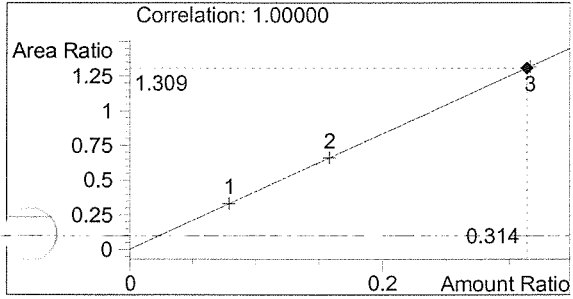


n-Propanol 1.000 g/100ml

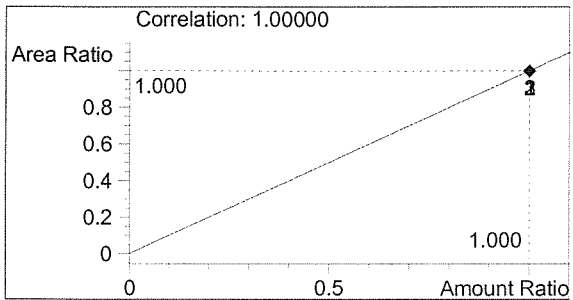


#	Compound	Area	RT
1	Ethanol	4691	1.038
2	n-Propanol	3583	1.690

Totals:



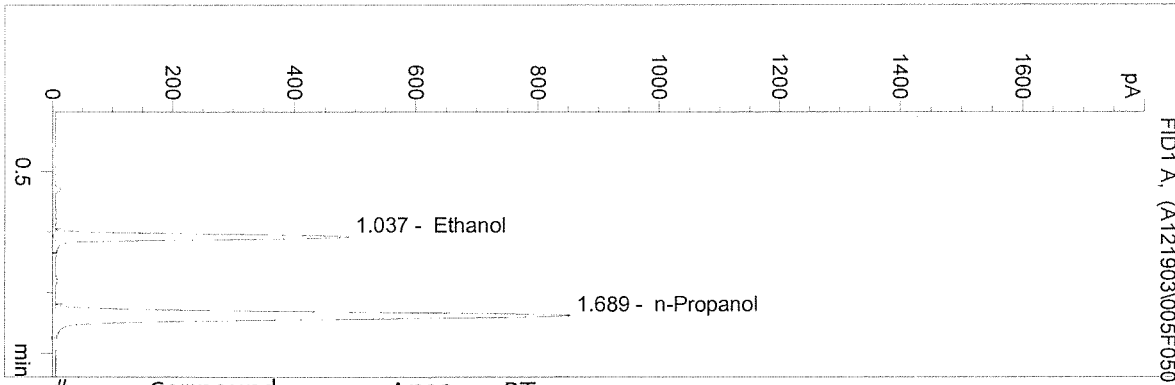
Ethanol 0.314 g/100ml



n-Propanol 1.000 g/100ml

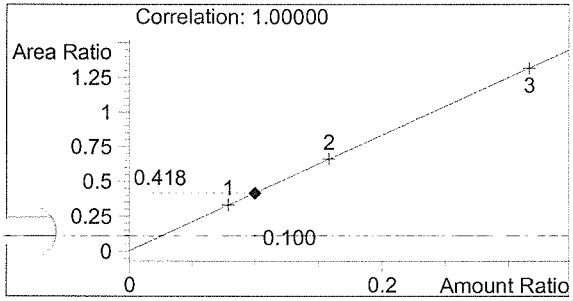


vial # 5

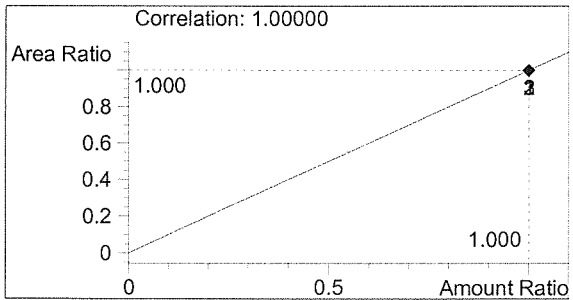


#	Compound	Area	RT
1	Ethanol	1500	1.037
2	n-Propanol	3587	1.689

Totals:



Ethanol 0.100 g/100ml

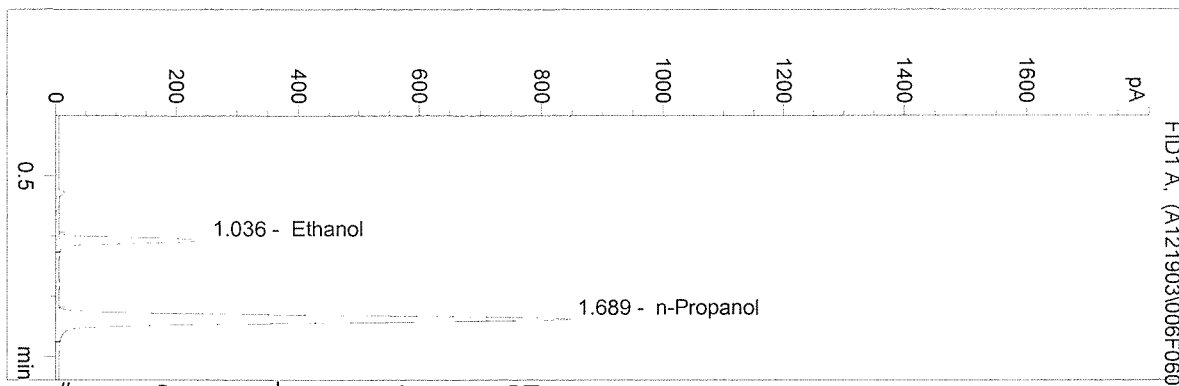


n-Propanol 1.000 g/100ml

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Instrument 2  
ALC1

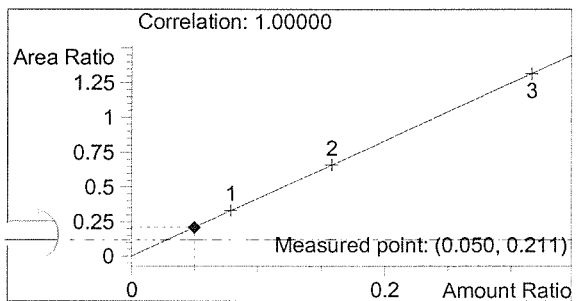
03042 QA sol  
alouis

vial # 6

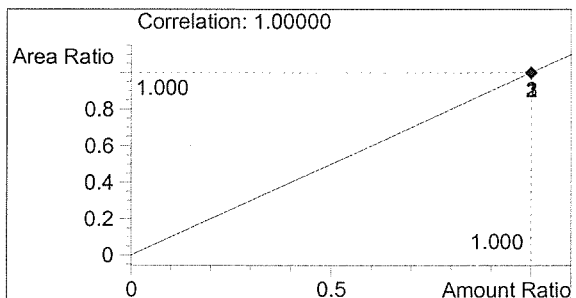


#	Compound	Area	RT
1	Ethanol	751	1.036
2	n-Propanol	3567	1.689

Totals:



Ethanol 0.050 g/100ml

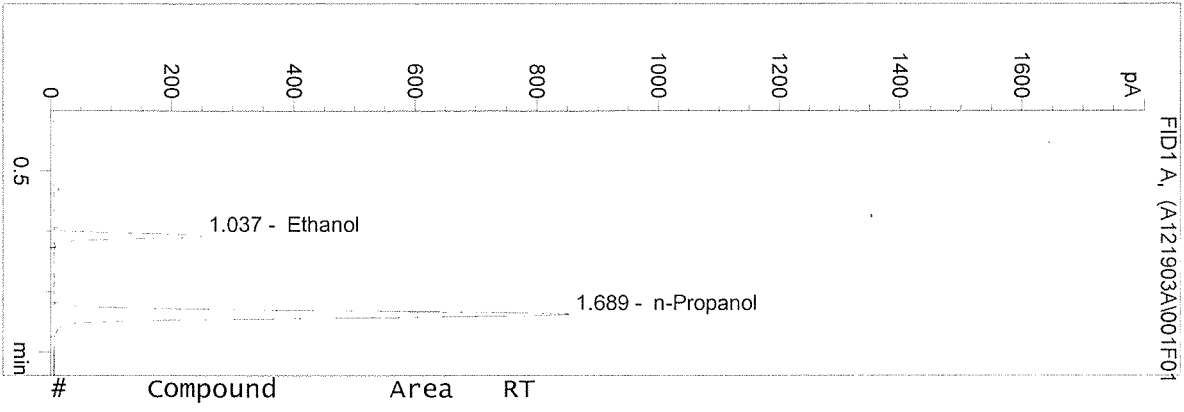


n-Propanol 1.000 g/100ml

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Instrument 2  
DP-ALC1

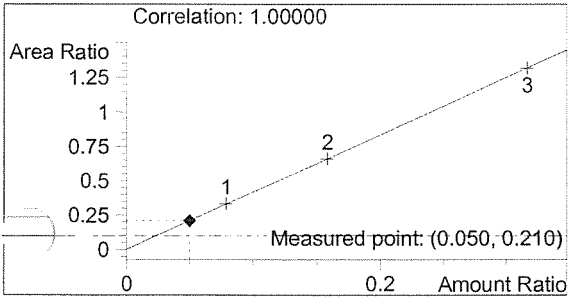
03042 QA sol  
alouis

vial # 1

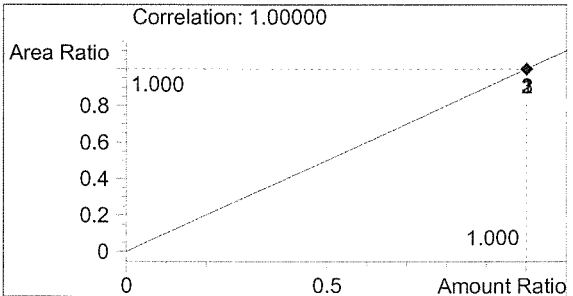


#	Compound	Area	RT
1	Ethanol	753	1.037
2	n-Propanol	3580	1.689

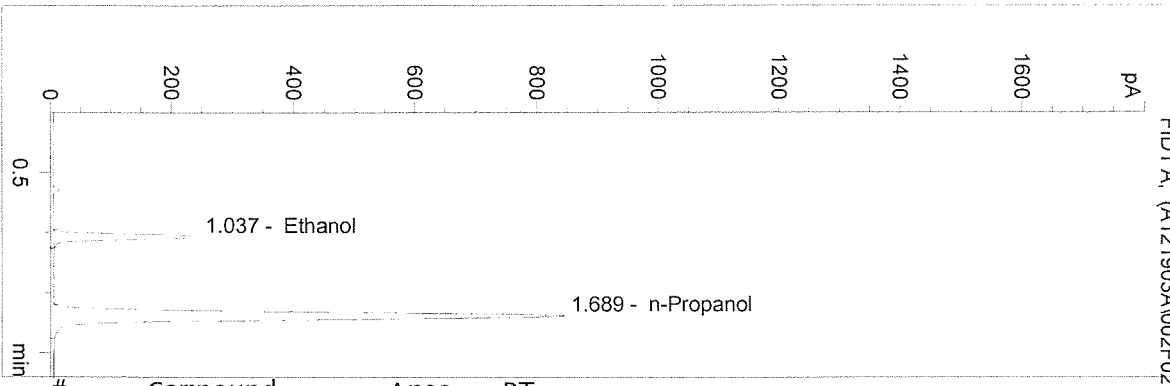
Totals:



Ethanol 0.050 g/100ml

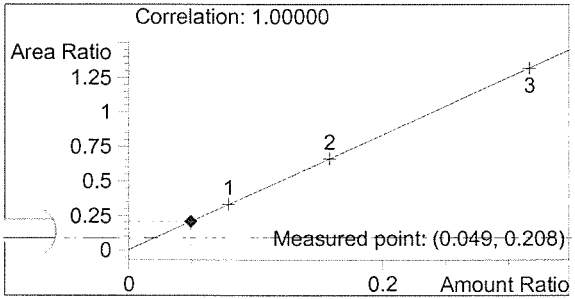


n-Propanol 1.000 g/100ml

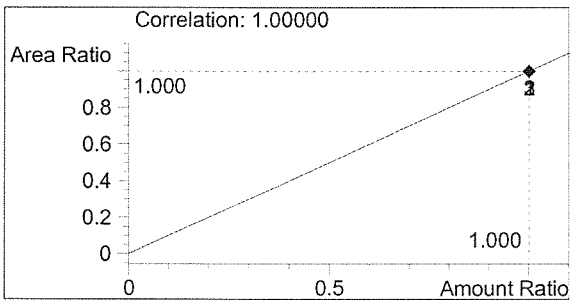


#	Compound	Area	RT
1	Ethanol	738	1.037
2	n-Propanol	3557	1.689

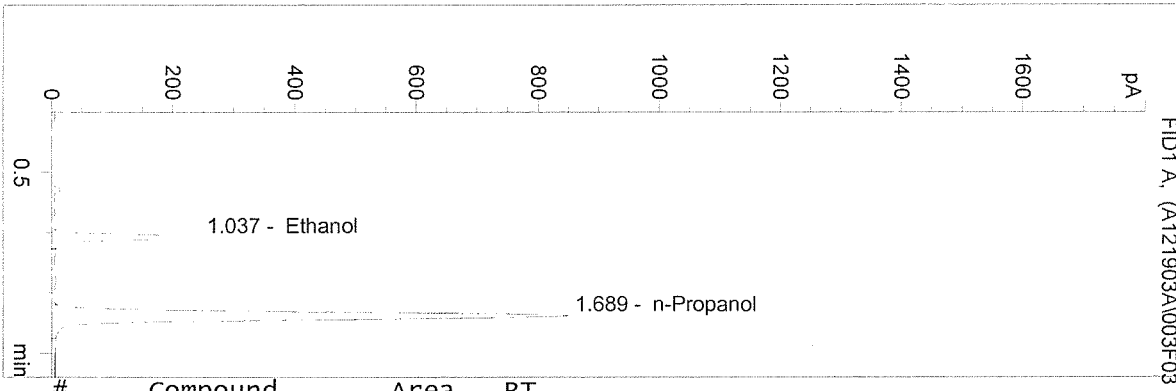
Totals:



Ethanol 0.049 g/100ml

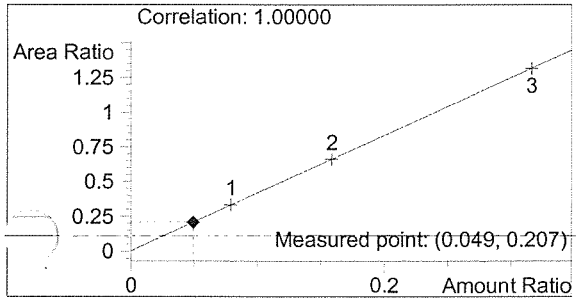


n-Propanol 1.000 g/100ml

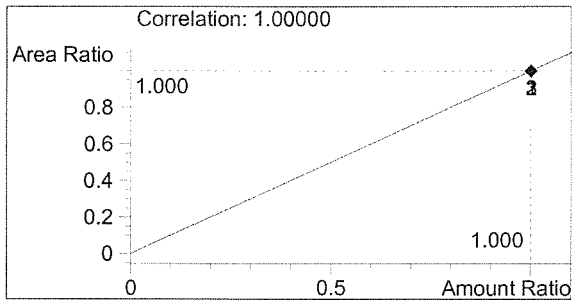


#	Compound	Area	RT
1	Ethanol	740	1.037
2	n-Propanol	3578	1.689

Totals:

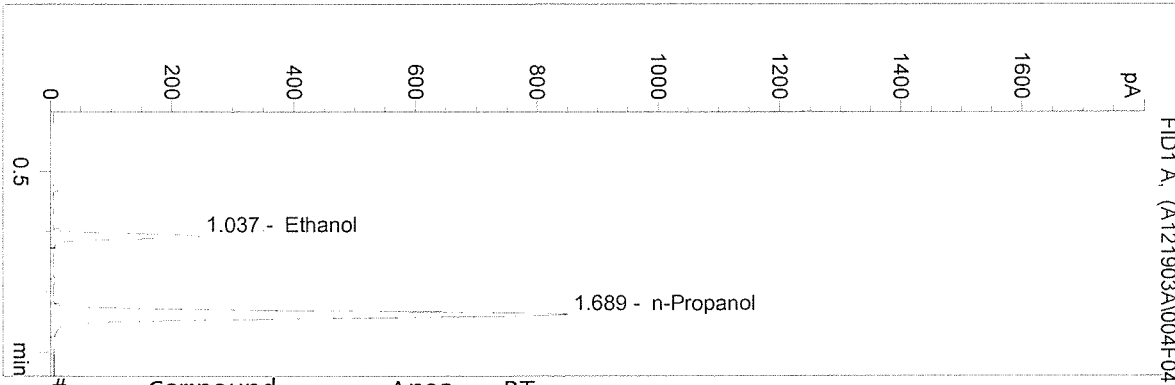


Ethanol 0.049 g/100ml



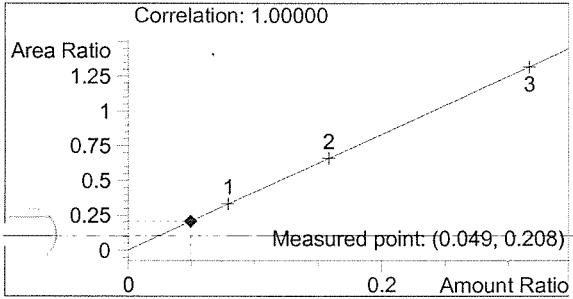
n-Propanol 1.000 g/100ml

vial # 4

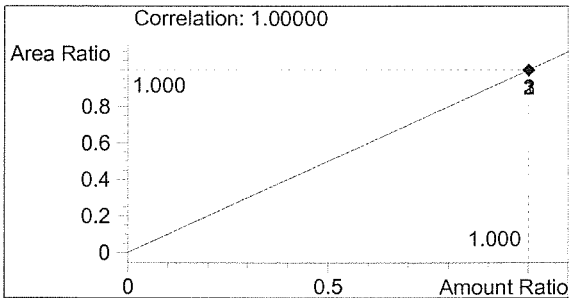


#	Compound	Area	RT
1	Ethanol	741	1.037
2	n-Propanol	3571	1.689

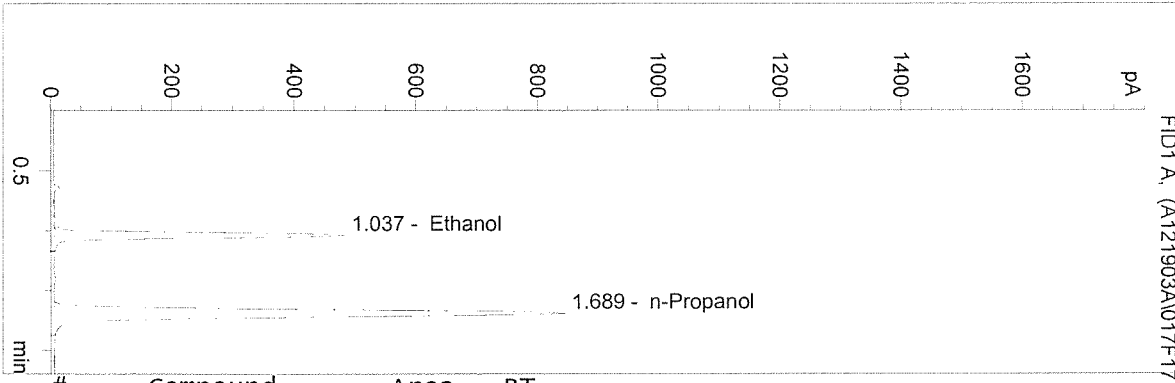
Totals:



Ethanol 0.049 g/100ml

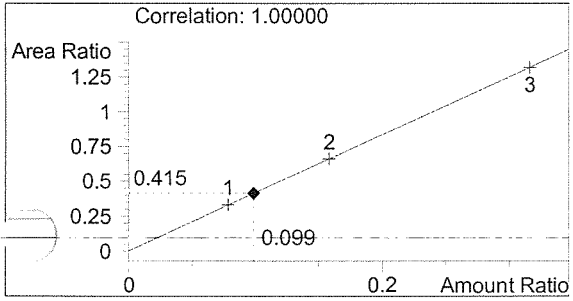


n-Propanol 1.000 g/100ml

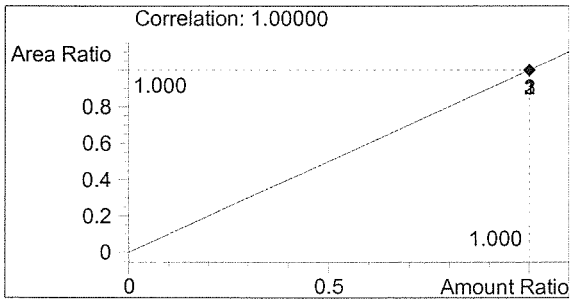


#	Compound	Area	RT
1	Ethanol	1477	1.037
2	n-Propanol	3559	1.689

Totals:

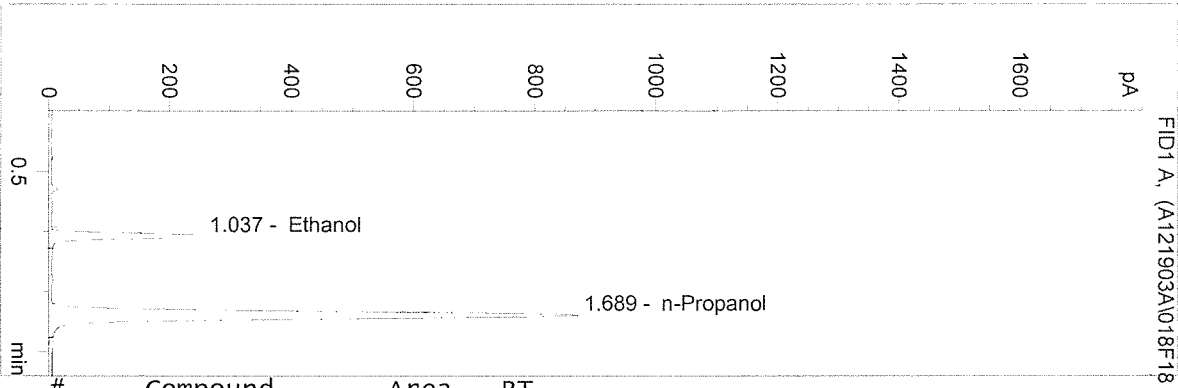


Ethanol 0.099 g/100ml



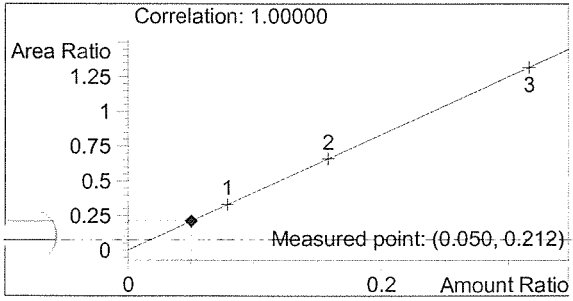
n-Propanol 1.000 g/100ml

vial # 18

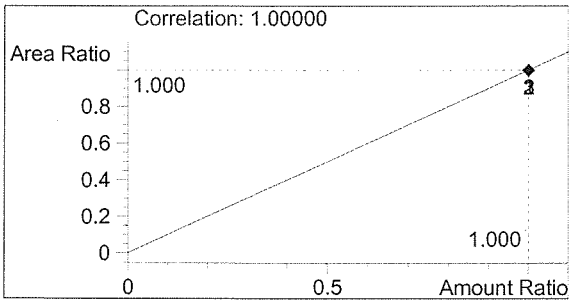


#	Compound	Area	RT
1	Ethanol	775	1.037
2	n-Propanol	3662	1.689

Totals:



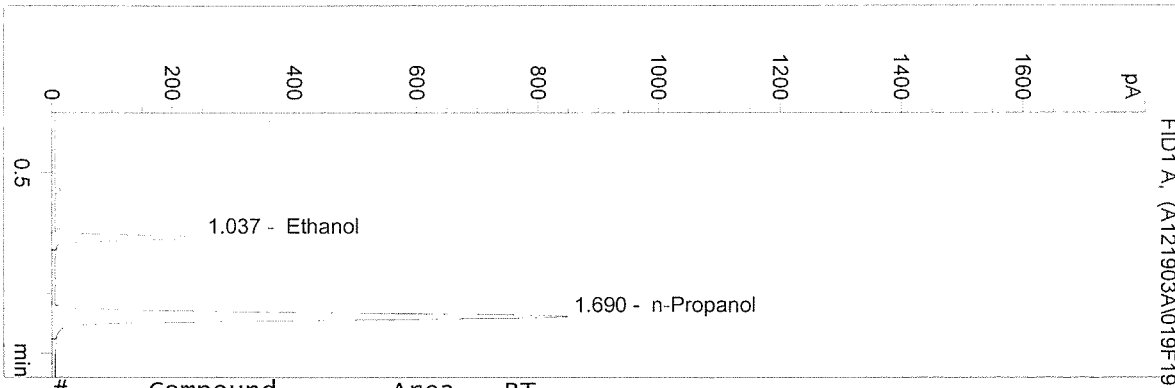
Ethanol 0.050 g/100ml



n-Propanol 1.000 g/100ml

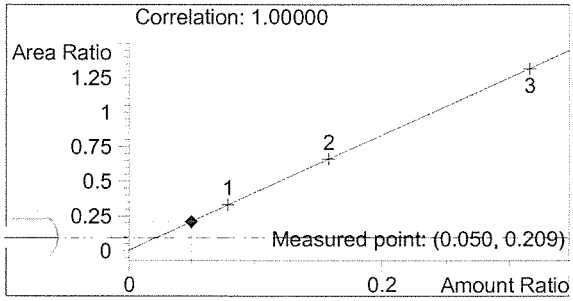


vial # 19

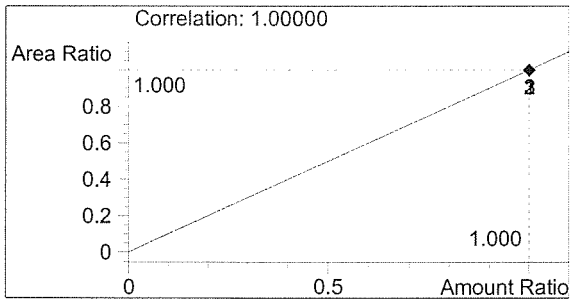


#	Compound	Area	RT
1	Ethanol	749	1.037
2	n-Propanol	3577	1.690

Totals:

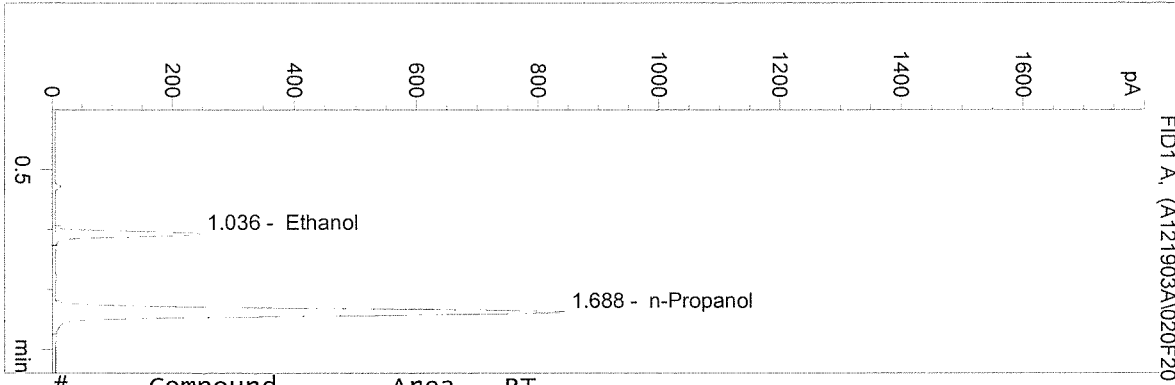


Ethanol 0.050 g/100ml



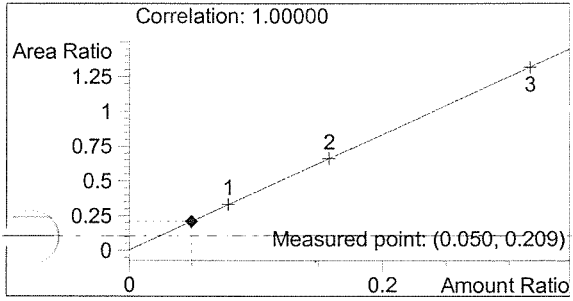
n-Propanol 1.000 g/100ml

vial # 20

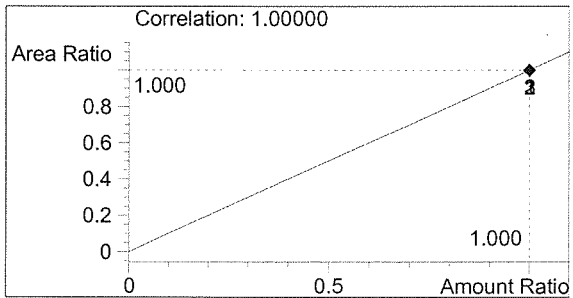


#	Compound	Area	RT
1	Ethanol	742	1.036
2	n-Propanol	3551	1.688

Totals:



Ethanol 0.050 g/100ml

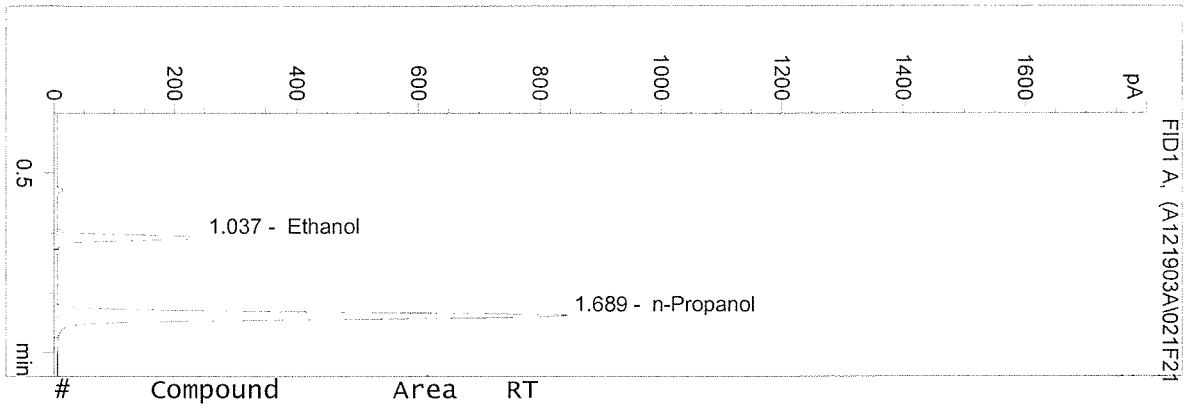


n-Propanol 1.000 g/100ml

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Instrument 2  
ALC1

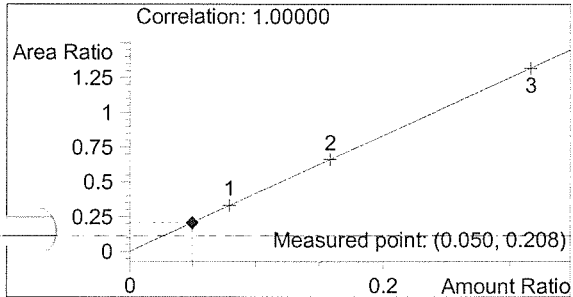
03042 QA sol EM  
alouis

vial # 21

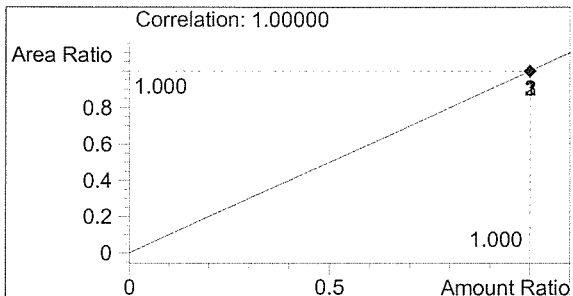


#	Compound	Area	RT
1	Ethanol	741	1.037
2	n-Propanol	3556	1.689

Totals:



Ethanol 0.050 g/100ml

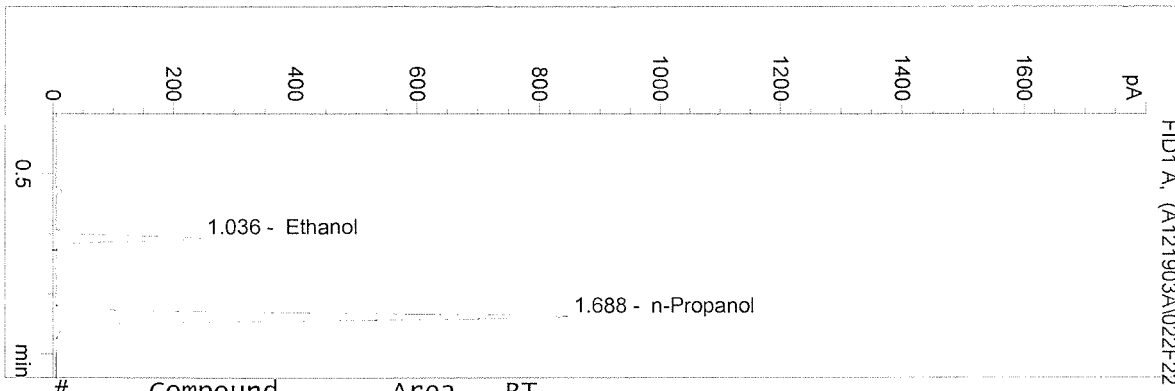


n-Propanol 1.000 g/100ml

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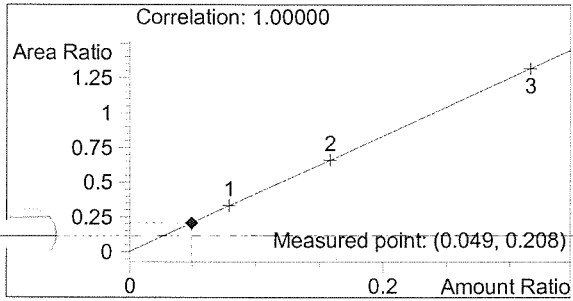
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alouis

vial # 22

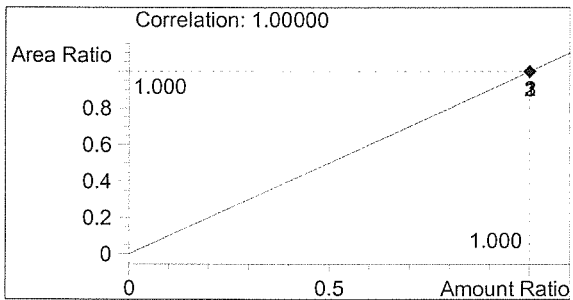


#	Compound	Area	RT
1	Ethanol	739	1.036
2	n-Propanol	3558	1.688

Totals:

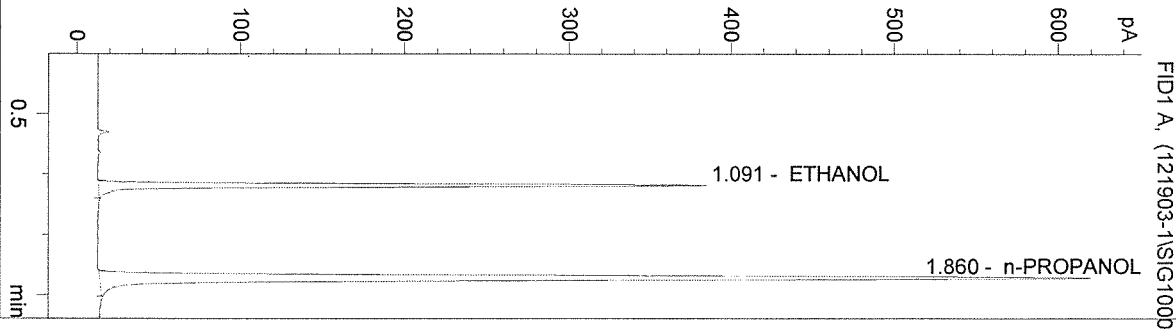


Ethanol 0.049 g/100ml



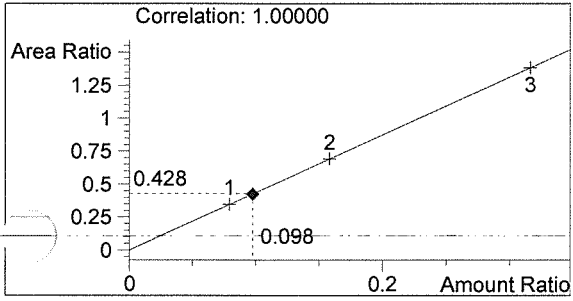
n-Propanol 1.000 g/100ml

vial # 1

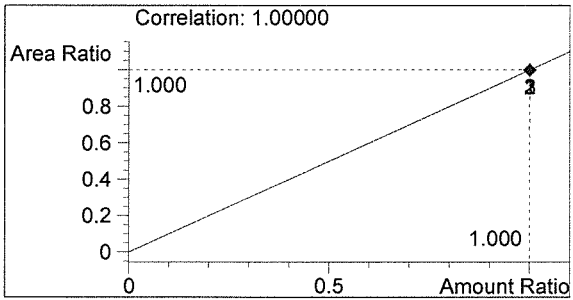


#	Compound	Area	RT
1	ETHANOL	713	1.091
2	n-PROPANOL	1664	1.860

Totals:

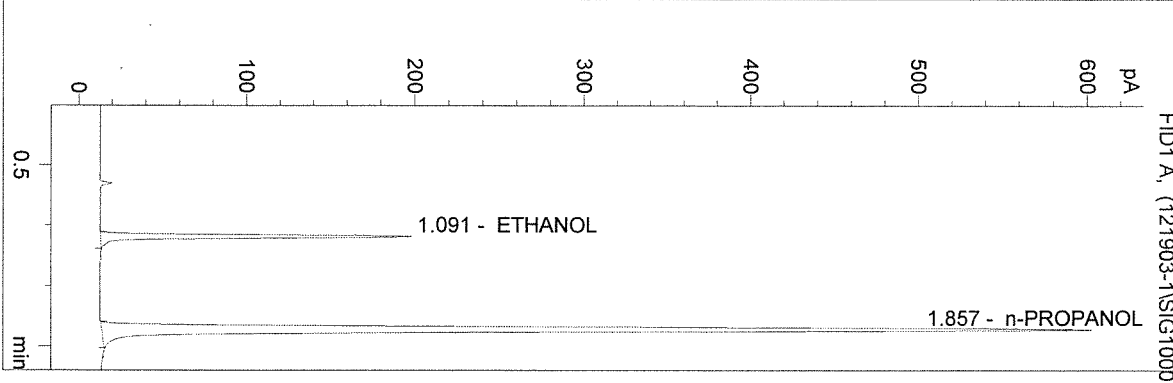


ETHANOL 0.098 g/100mL



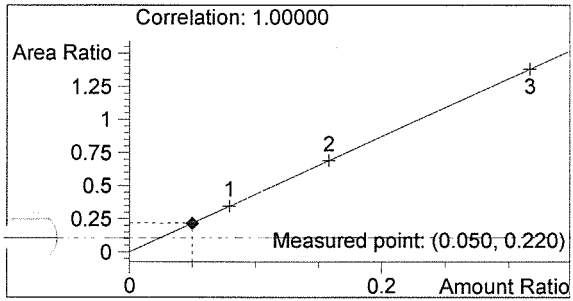
n-PROPANOL 1.000 g/100mL

vial # 2

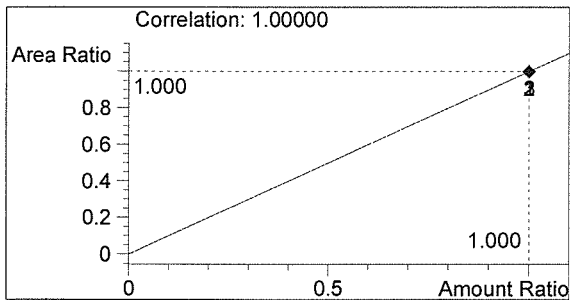


#	Compound	Area	RT
1	ETHANOL	359	1.091
2	n-PROPANOL	1630	1.857

Totals:



ETHANOL 0.050 g/100mL

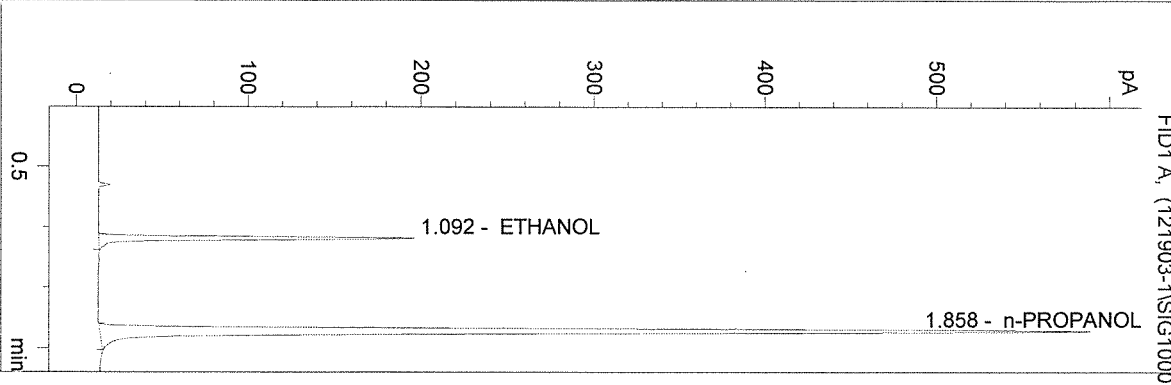


n-PROPANOL 1.000 g/100mL

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 Instrument 3

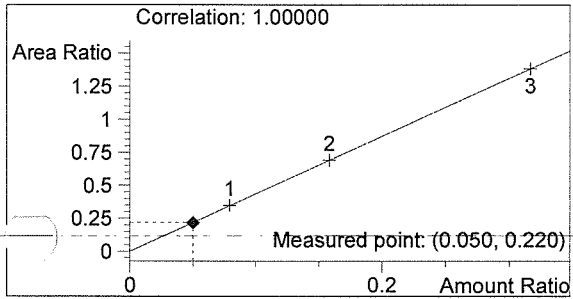
03042 qa sol  
 Mary Wilson

vial # 3

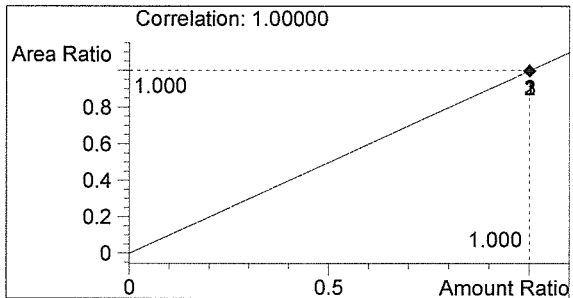


#	Compound	Area	RT
1	ETHANOL	348	1.092
2	n-PROPANOL	1586	1.858

Totals:



ETHANOL 0.050 g/100mL

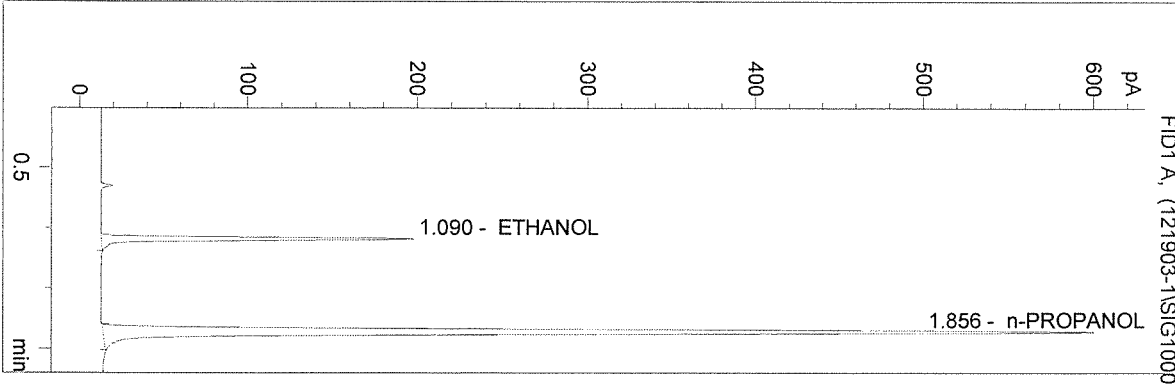


n-PROPANOL 1.000 g/100mL

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 Instrument 3

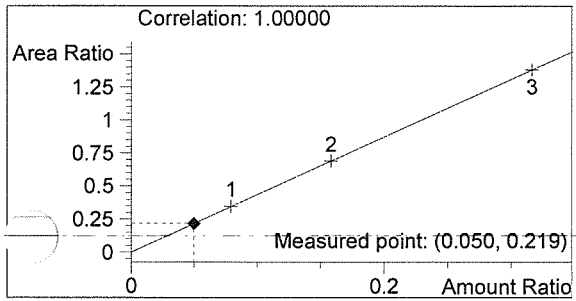
03042 qa sol  
 Mary Wilson

vial # 4

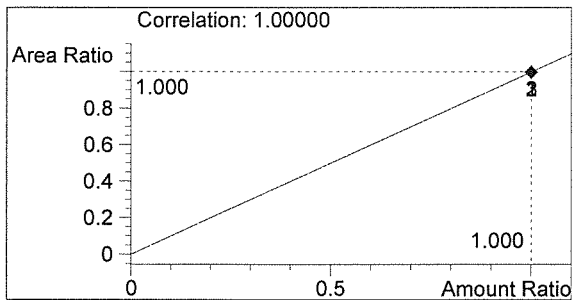


#	Compound	Area	RT
1	ETHANOL	354	1.090
2	n-PROPANOL	1621	1.856

Totals:



ETHANOL 0.050 g/100mL



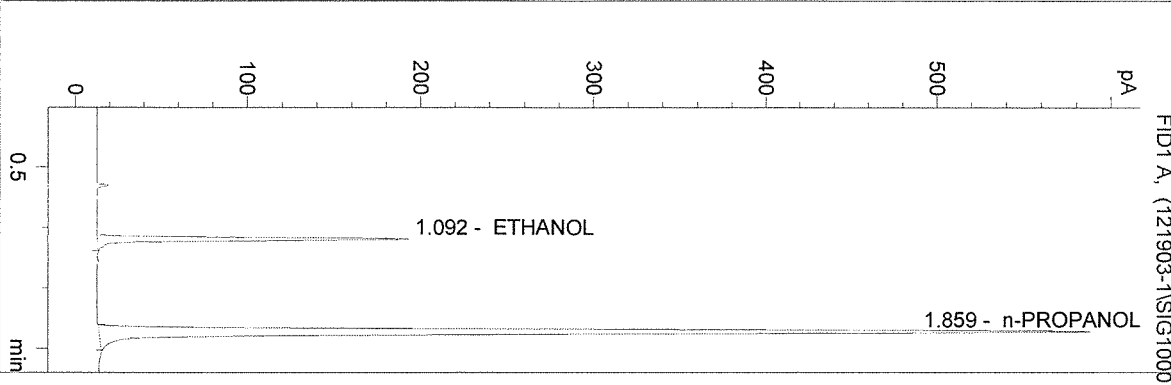
n-PROPANOL 1.000 g/100mL



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 12/19/03 3:55:22 PM  
 Instrument 3

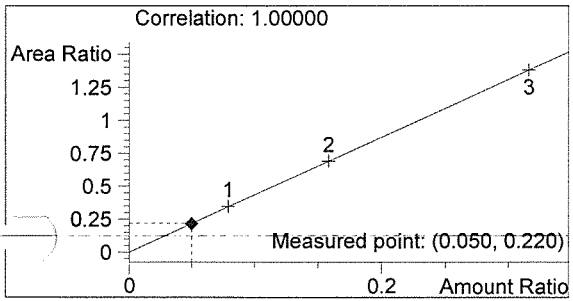
03042 qa sol  
 Mary Wilson

vial # 5

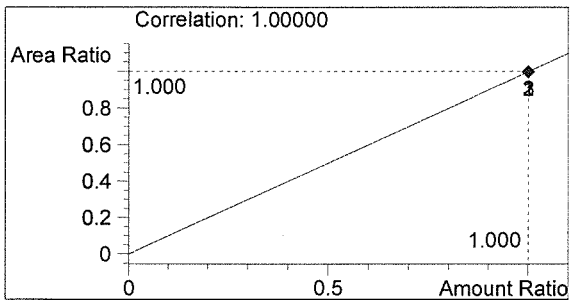


#	Compound	Area	RT
1	ETHANOL	347	1.092
2	n-PROPANOL	1577	1.859

Totals:

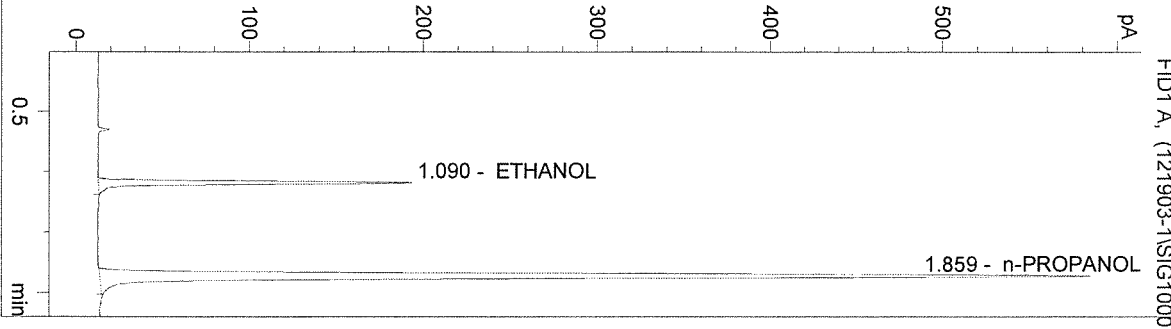


ETHANOL 0.050 g/100mL



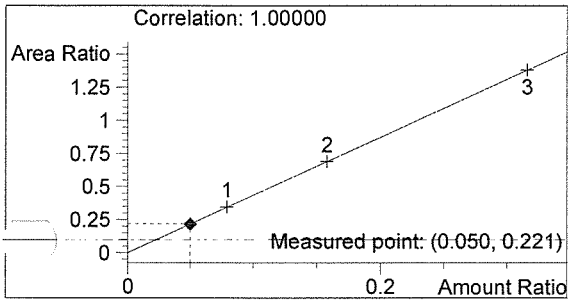
n-PROPANOL 1.000 g/100mL

vial # 6

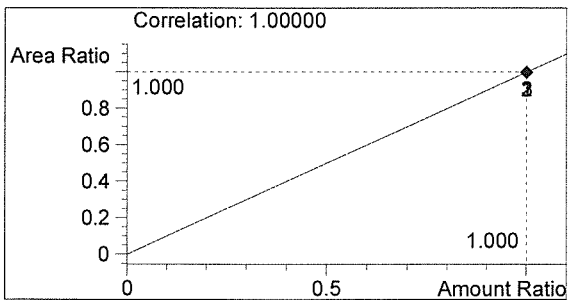


#	Compound	Area	RT
1	ETHANOL	347	1.090
2	n-PROPANOL	1574	1.859

Totals:



ETHANOL 0.050 g/100mL

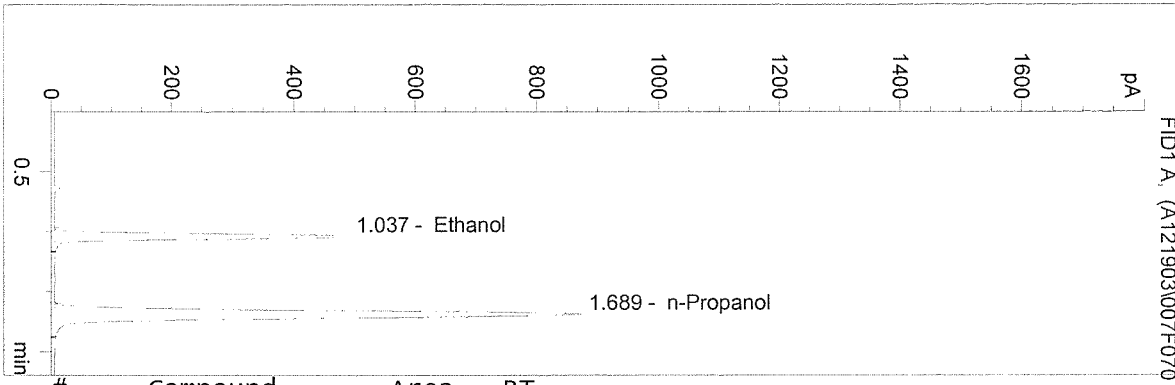


n-PROPANOL 1.000 g/100mL

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 12/19/03 3:09:23 PM  
 Instrument 2  
 DP-ALC1

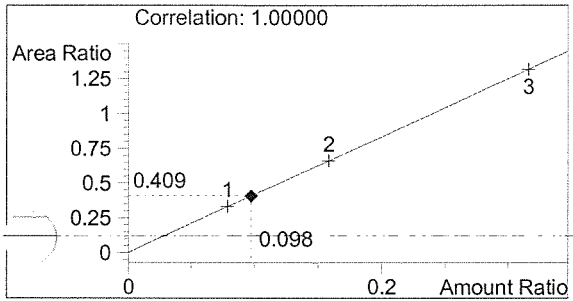
03043 QA sol  
 alouis

vial # 7

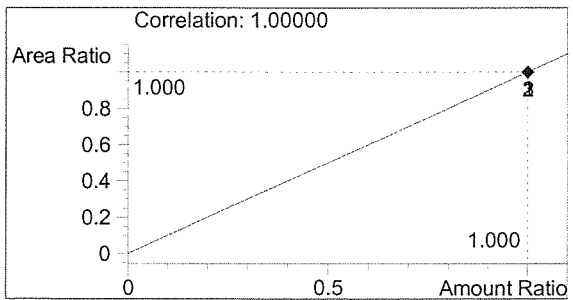


#	Compound	Area	RT
1	Ethanol	1501	1.037
2	n-Propanol	3673	1.689

Totals:



Ethanol 0.098 g/100ml

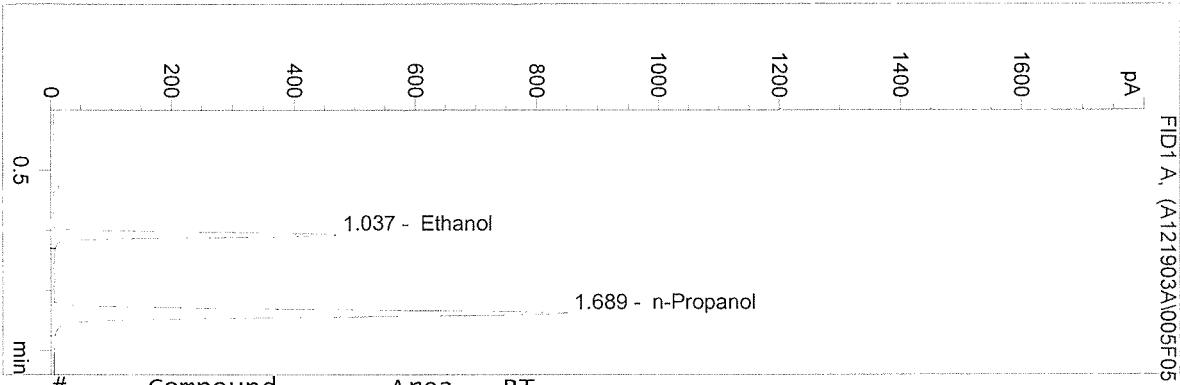


n-Propanol 1.000 g/100ml

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12/19/03 3:56:05 PM  
Instrument 2  
DP-ALC1

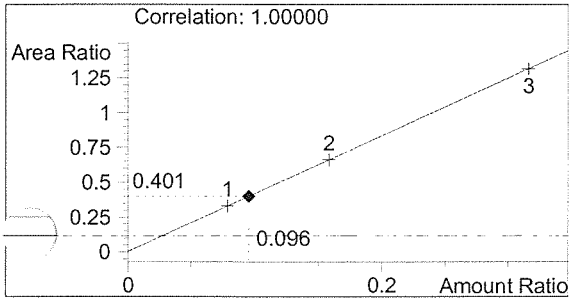
03043 QA sol  
alouis

vial # 5

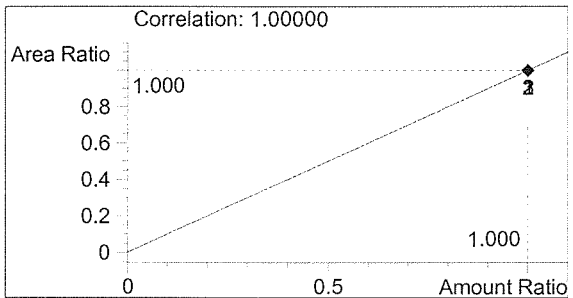


#	Compound	Area	RT
1	Ethanol	1434	1.037
2	n-Propanol	3576	1.689

Totals:



Ethanol 0.096 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M

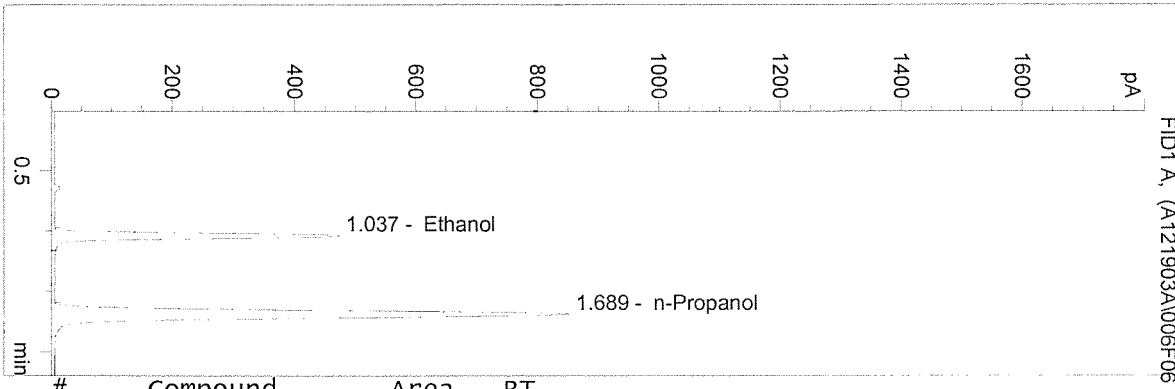
12/19/03 3:59:09 PM

Instrument 2

PP-ALC1

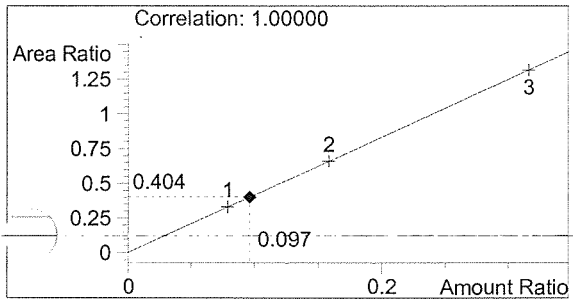
03043 QA sol  
alouis

vial # 6

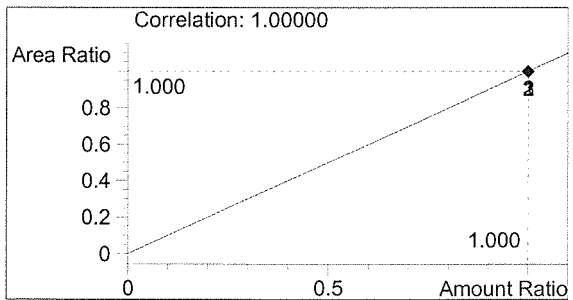


#	Compound	Area	RT
1	Ethanol	1448	1.037
2	n-Propanol	3586	1.689

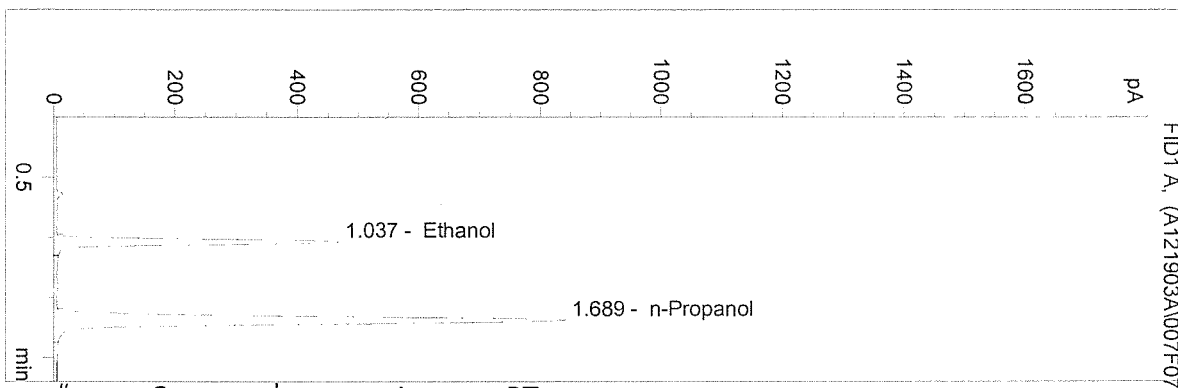
Totals:



Ethanol 0.097 g/100ml

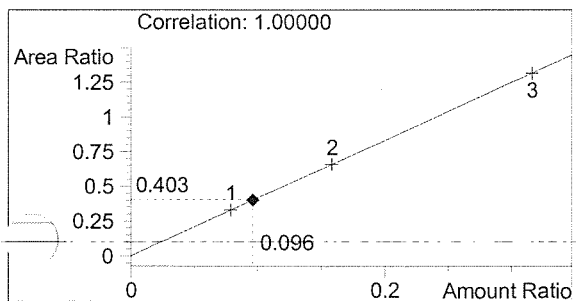


n-Propanol 1.000 g/100ml

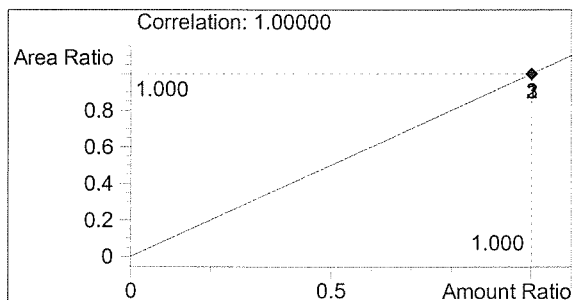


#	Compound	Area	RT
1	Ethanol	1427	1.037
2	n-Propanol	3539	1.689

Totals:



Ethanol 0.096 g/100ml

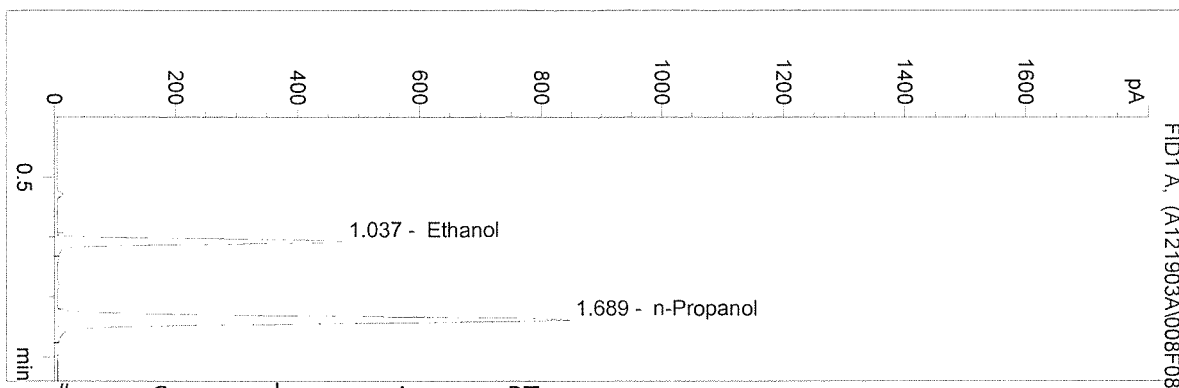


n-Propanol 1.000 g/100ml

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12/19/03 4:05:18 PM  
Instrument 2  
PP-ALC1

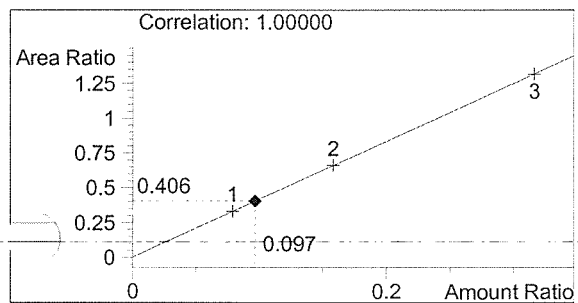
03043 QA sol  
alouis

vial # 8

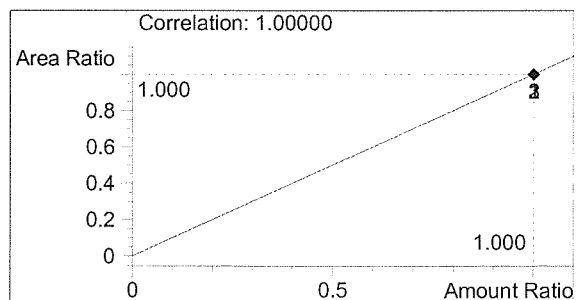


#	Compound	Area	RT
1	Ethanol	1442	1.037
2	n-Propanol	3555	1.689

Totals:



Ethanol 0.097 g/100ml

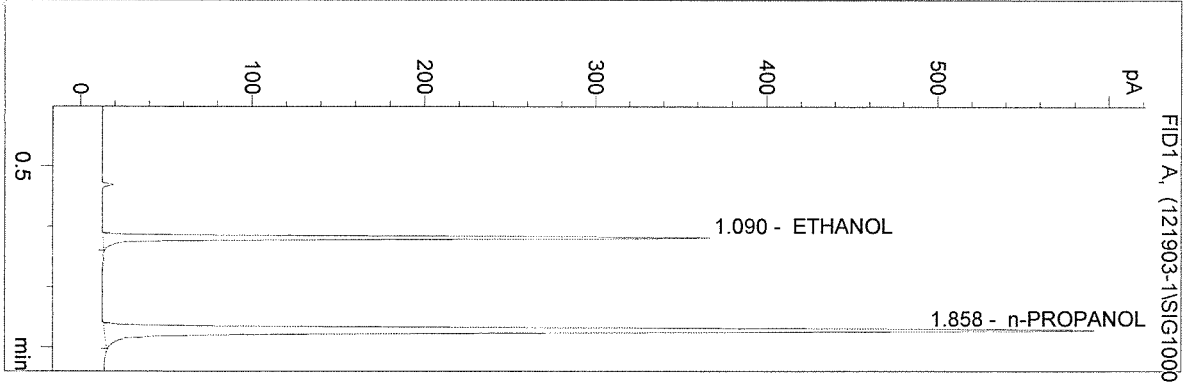


n-Propanol 1.000 g/100ml

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12/19/03 4:01:31 PM  
Instrument 3

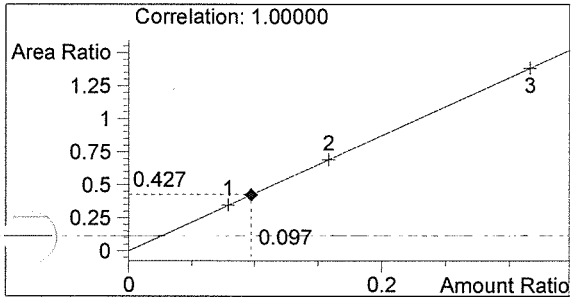
03043 qa sol  
Mary Wilson

vial # 7

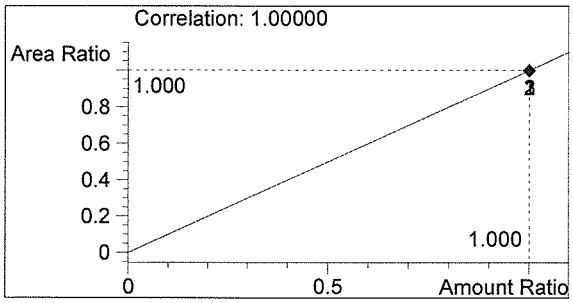


#	Compound	Area	RT
1	ETHANOL	681	1.090
2	n-PROPANOL	1594	1.858

Totals:



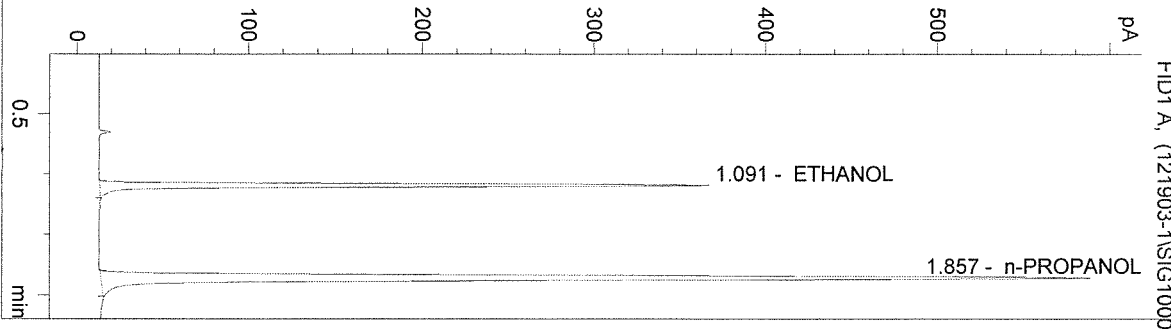
ETHANOL 0.097 g/100mL



n-PROPANOL 1.000 g/100mL

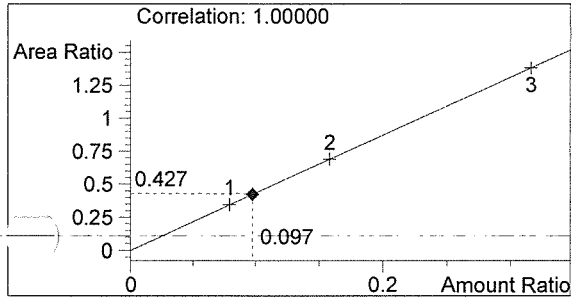


vial # 8

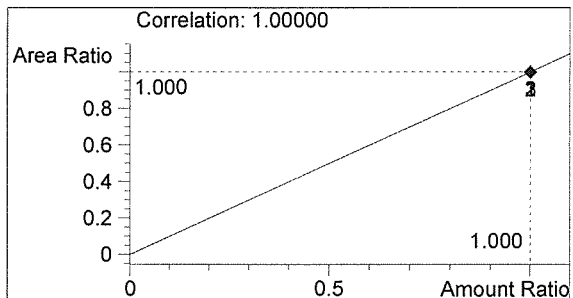


#	Compound	Area	RT
1	ETHANOL	677	1.091
2	n-PROPANOL	1584	1.857

Totals:

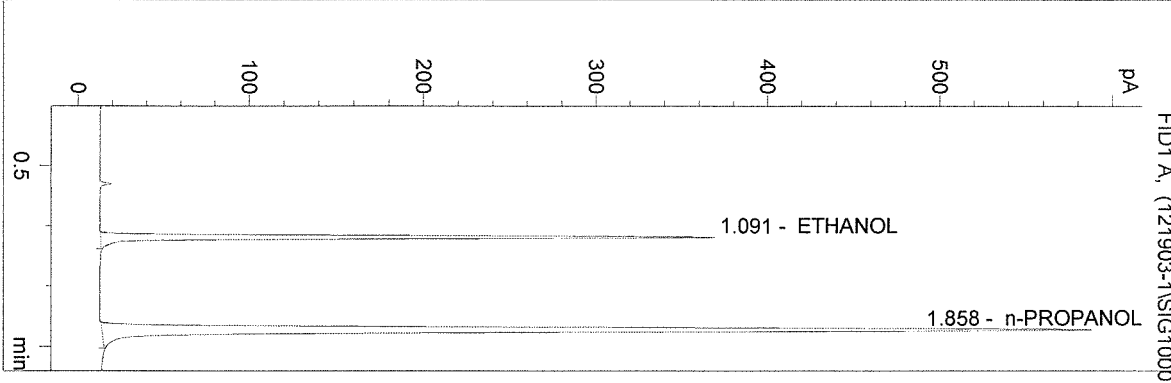


ETHANOL 0.097 g/100mL



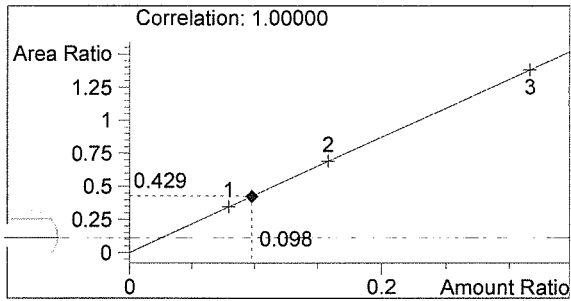
n-PROPANOL 1.000 g/100mL

vial # 9

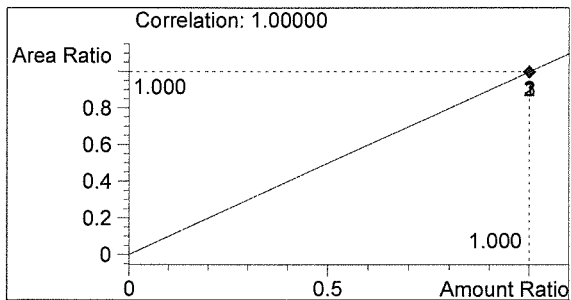


#	Compound	Area	RT
1	ETHANOL	677	1.091
2	n-PROPANOL	1578	1.858

Totals:



ETHANOL 0.098 g/100mL

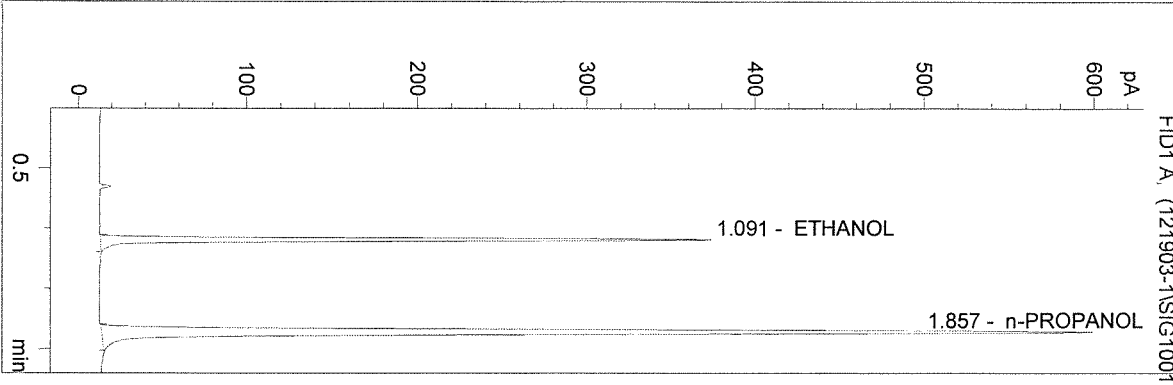


n-PROPANOL 1.000 g/100mL

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 12/19/03 4:11:00 PM  
 Instrument 3

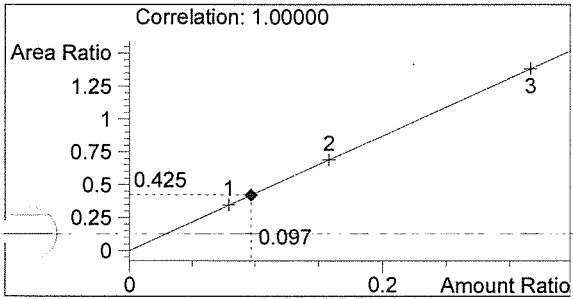
03043 qa sol  
 Mary Wilson

vial # 10

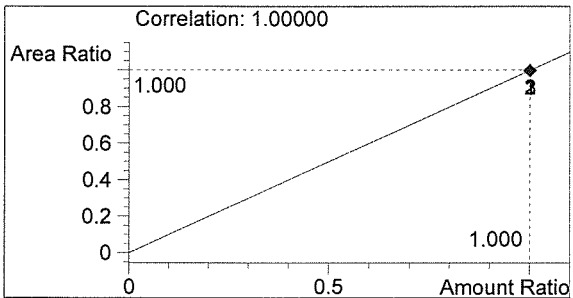


#	Compound	Area	RT
1	ETHANOL	686	1.091
2	n-PROPANOL	1615	1.857

Totals:

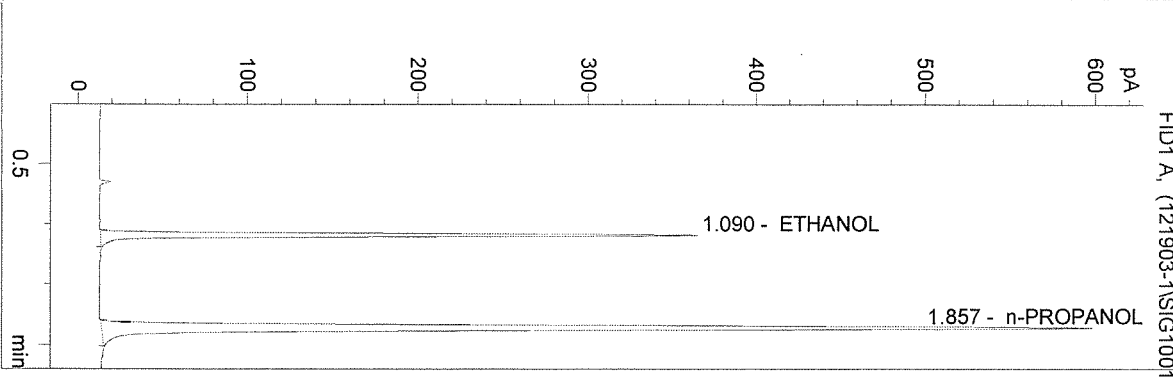


ETHANOL 0.097 g/100mL



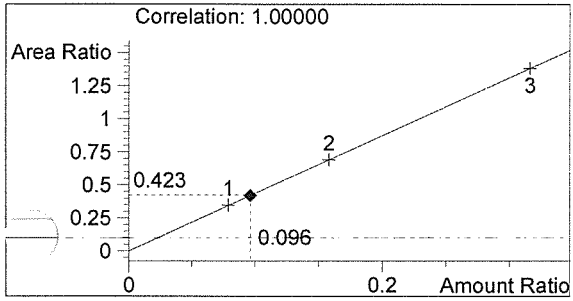
n-PROPANOL 1.000 g/100mL

vial # 11

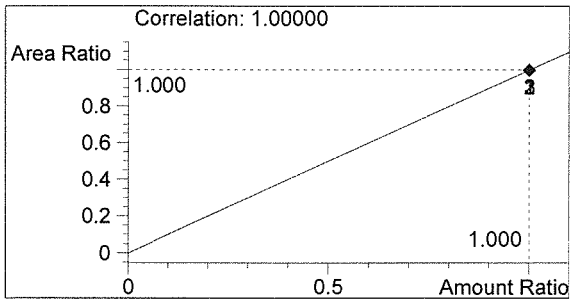


#	Compound	Area	RT
1	ETHANOL	685	1.090
2	n-PROPANOL	1619	1.857

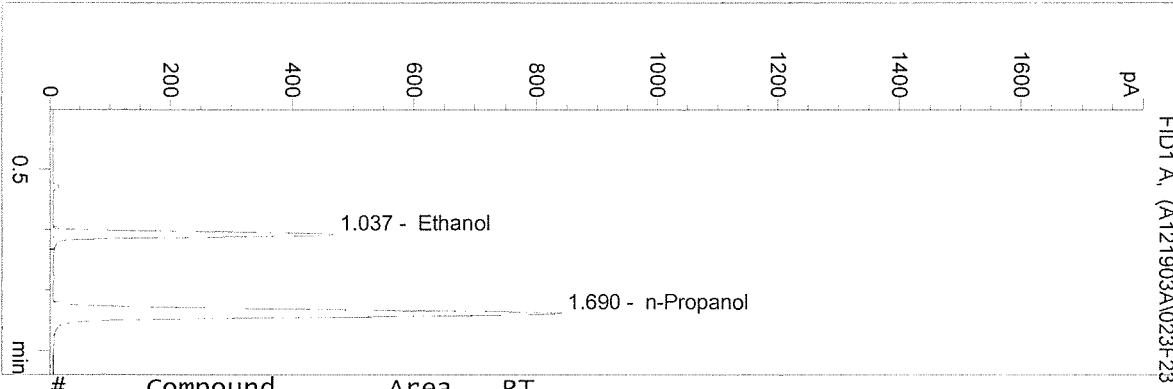
Totals:



ETHANOL 0.096 g/100mL

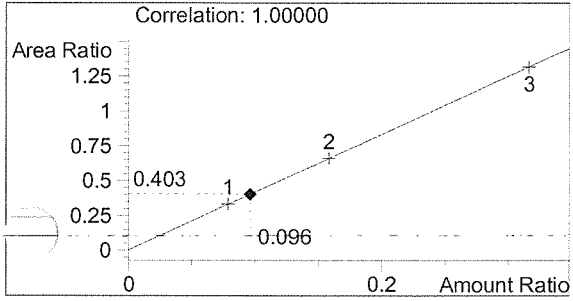


n-PROPANOL 1.000 g/100mL

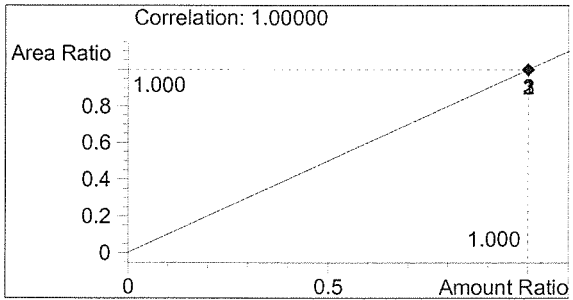


#	Compound	Area	RT
1	Ethanol	1429	1.037
2	n-Propanol	3543	1.690

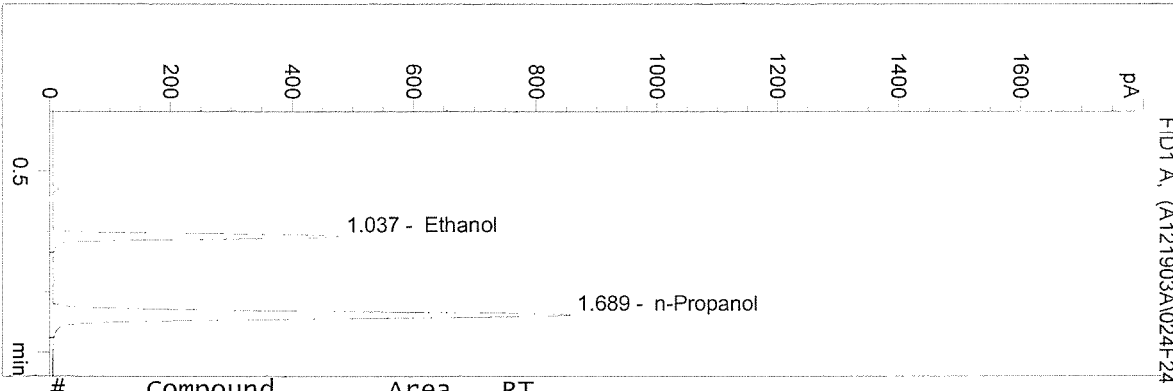
Totals:



Ethanol 0.096 g/100ml

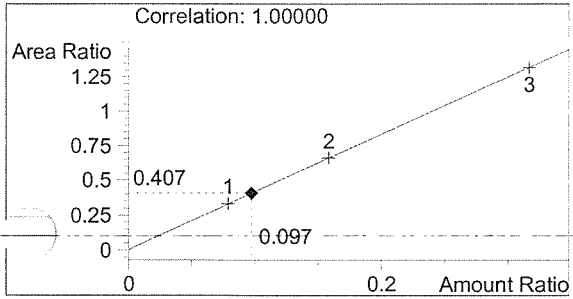


n-Propanol 1.000 g/100ml

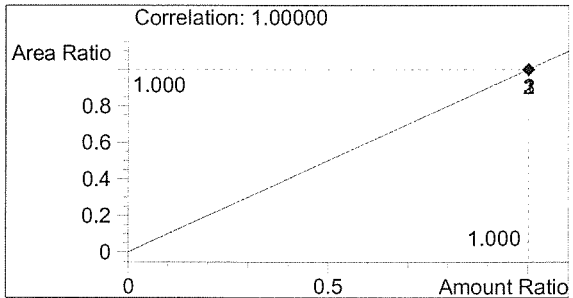


#	Compound	Area	RT
1	Ethanol	1466	1.037
2	n-Propanol	3598	1.689

Totals:

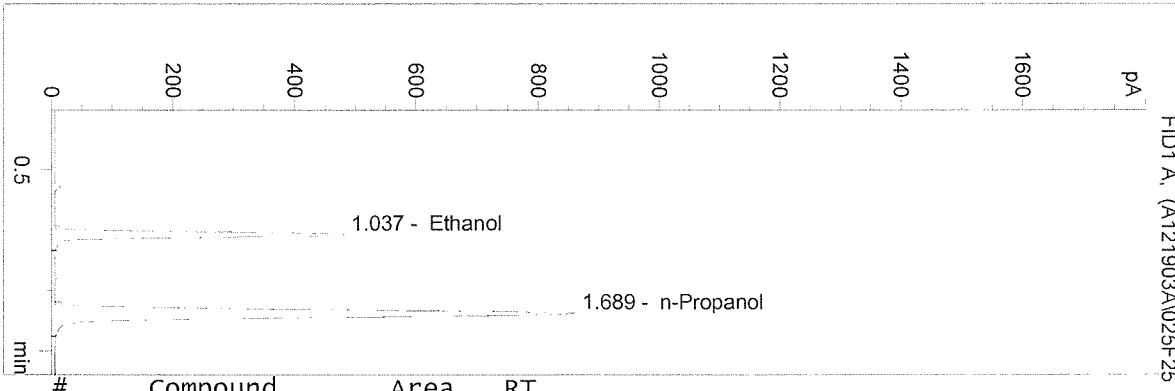


Ethanol 0.097 g/100ml



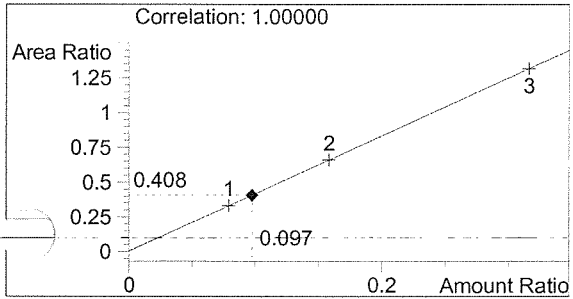
n-Propanol 1.000 g/100ml

vial # 25

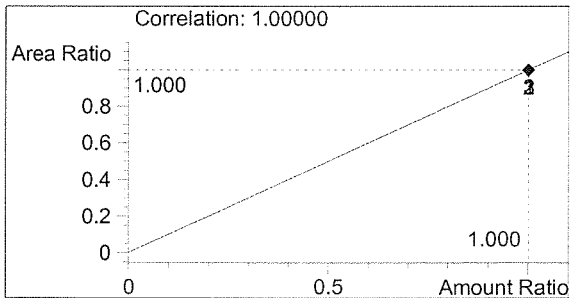


#	Compound	Area	RT
1	Ethanol	1478	1.037
2	n-Propanol	3627	1.689

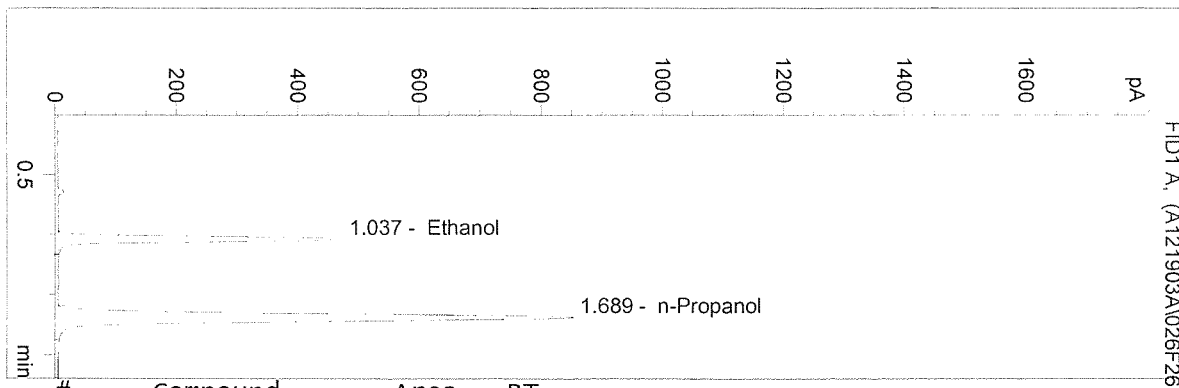
Totals:



Ethanol 0.097 g/100ml

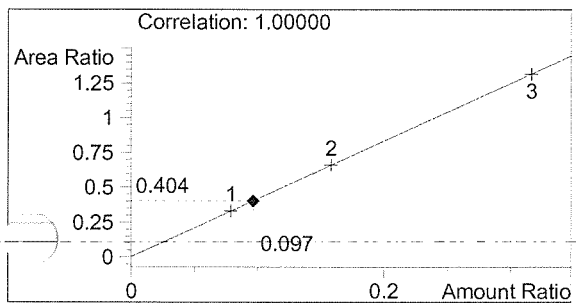


n-Propanol 1.000 g/100ml

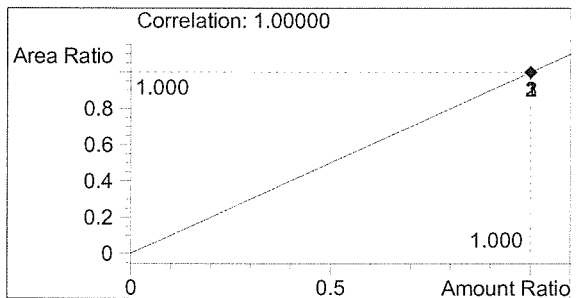


#	Compound	Area	RT
1	Ethanol	1450	1.037
2	n-Propanol	3587	1.689

Totals:



Ethanol 0.097 g/100ml



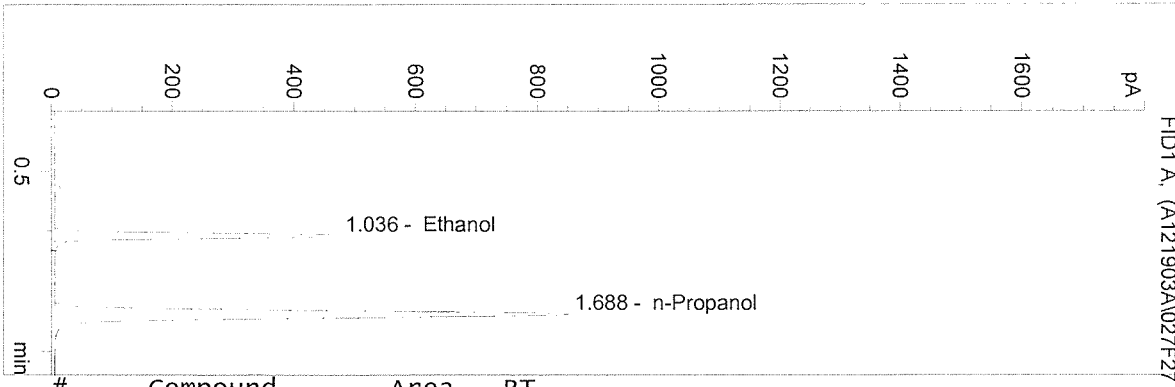
n-Propanol 1.000 g/100ml



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12/19/03 5:03:46 PM  
Instrument 2  
ALC1

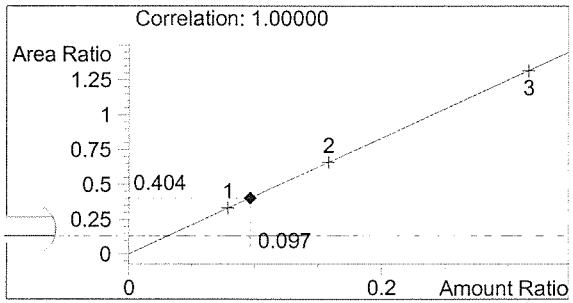
03043 QA sol EM  
alouis

vial # 27

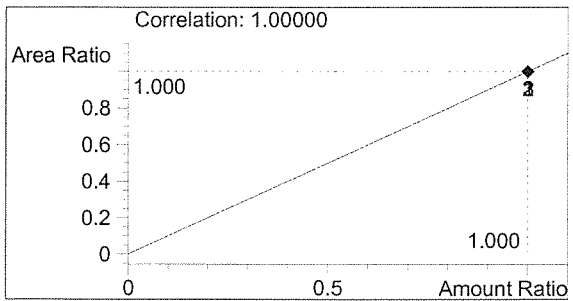


#	Compound	Area	RT
1	Ethanol	1447	1.036
2	n-Propanol	3578	1.688

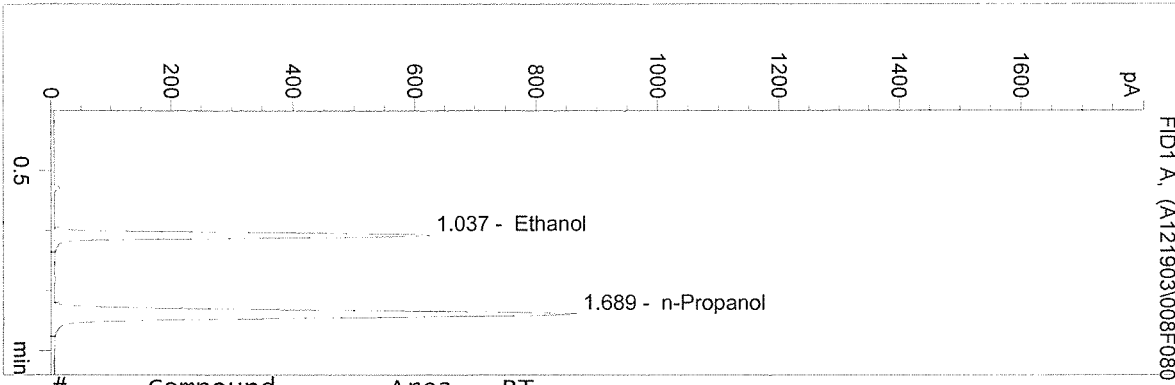
Totals:



Ethanol 0.097 g/100ml

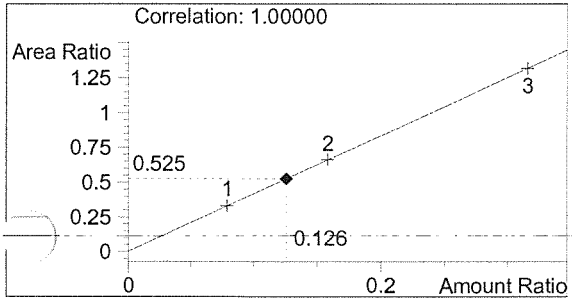


n-Propanol 1.000 g/100ml

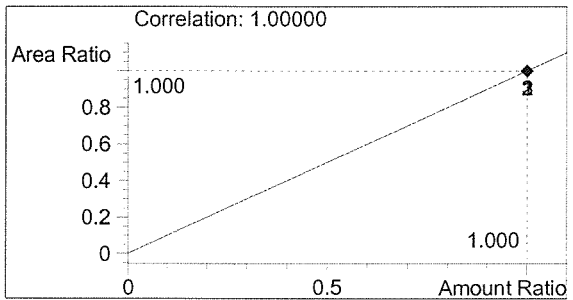


#	Compound	Area	RT
1	Ethanol	1915	1.037
2	n-Propanol	3644	1.689

Totals:



Ethanol 0.126 g/100ml



n-Propanol 1.000 g/100ml

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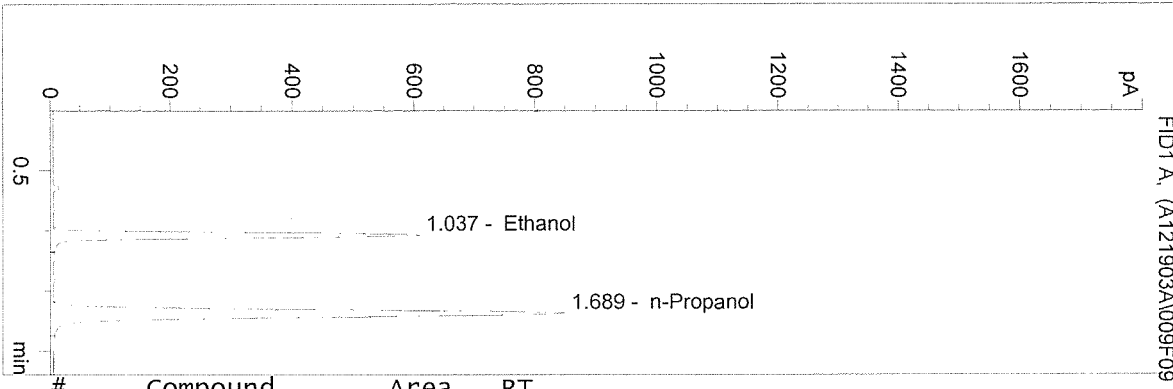
12/19/03 4:08:23 PM

Instrument 2

DR-ALC1

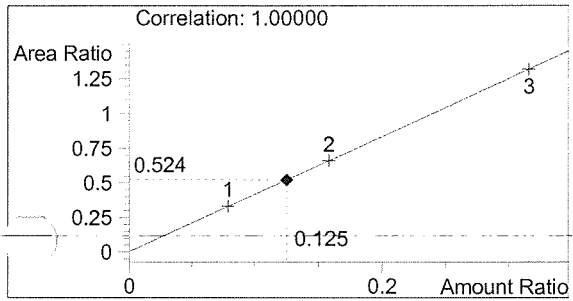
03044 QA sol  
alouis

vial # 9

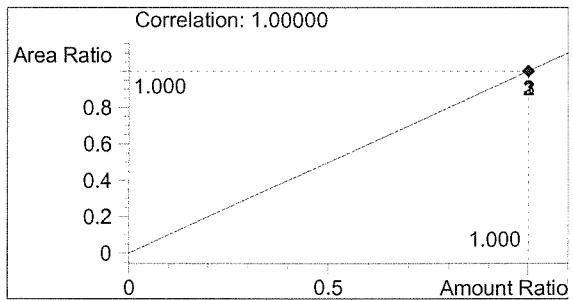


#	Compound	Area	RT
1	Ethanol	1874	1.037
2	n-Propanol	3579	1.689

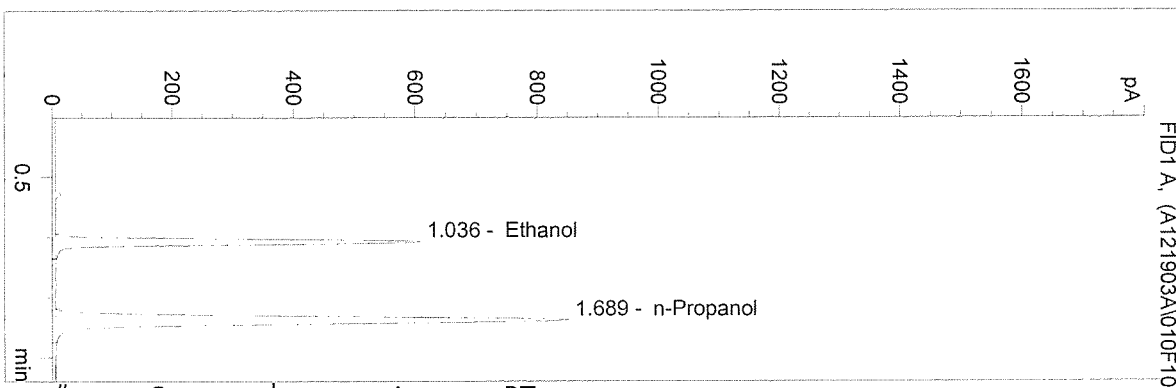
Totals:



Ethanol 0.125 g/100ml

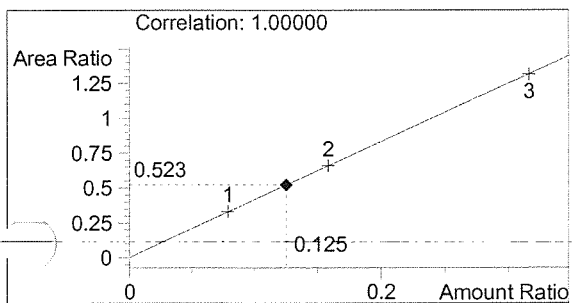


n-Propanol 1.000 g/100ml

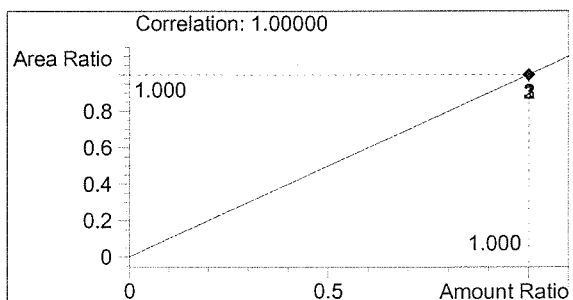


#	Compound	Area	RT
1	Ethanol	1875	1.036
2	n-Propanol	3586	1.689

Totals:



Ethanol 0.125 g/100ml

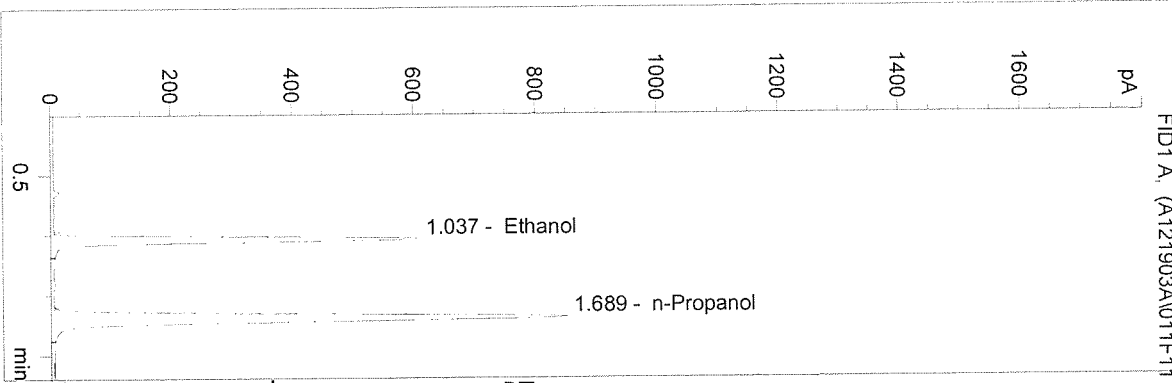


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M  
12/19/03 4:14:32 PM  
Instrument 2  
DP-ALC1

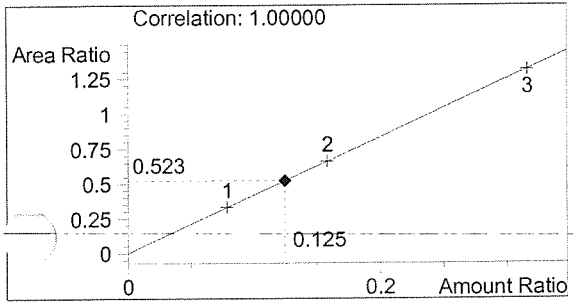
03044 QA sol  
alouis

vial # 11

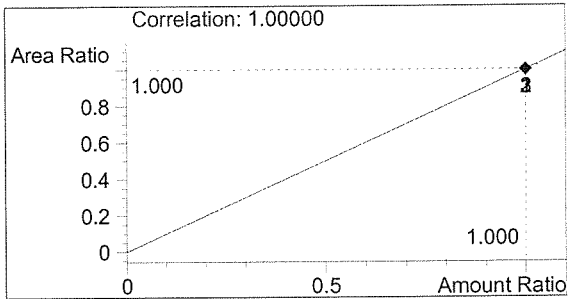


#	Compound	Area	RT
1	Ethanol	1875	1.037
2	n-Propanol	3587	1.689

Totals:



Ethanol 0.125 g/100ml

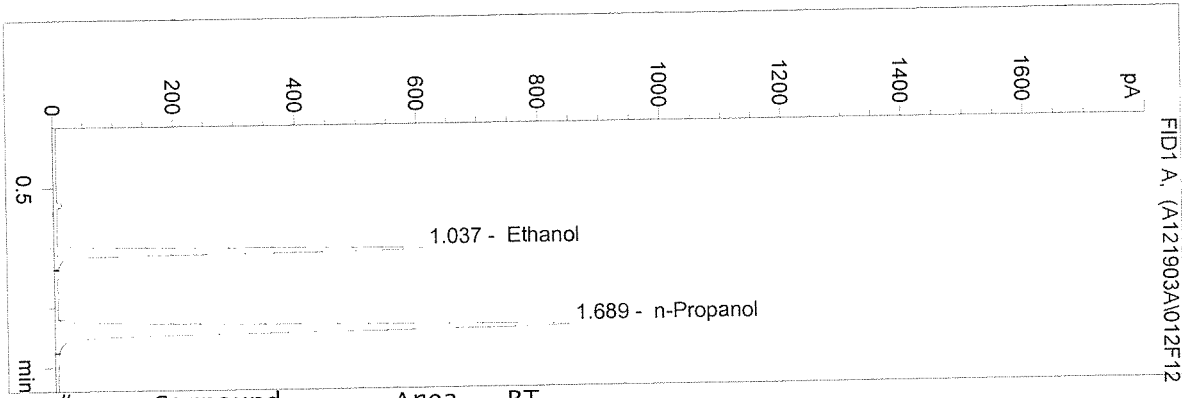


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M  
 12/19/03 4:17:37 PM  
 Instrument 2  
 DP-ALC1

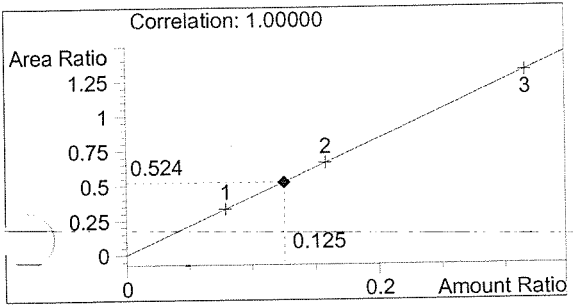
03044 QA sol  
 alouis

vial # 12

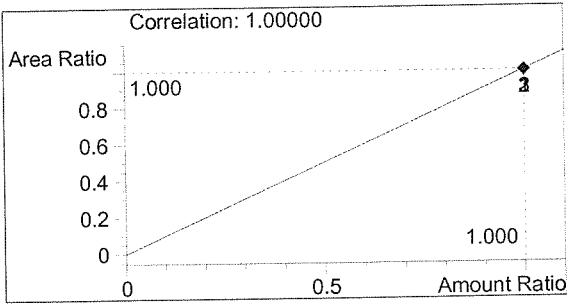


#	Compound	Area	RT
1	Ethanol	1868	1.037
2	n-Propanol	3562	1.689

Totals:



Ethanol 0.125 g/100ml

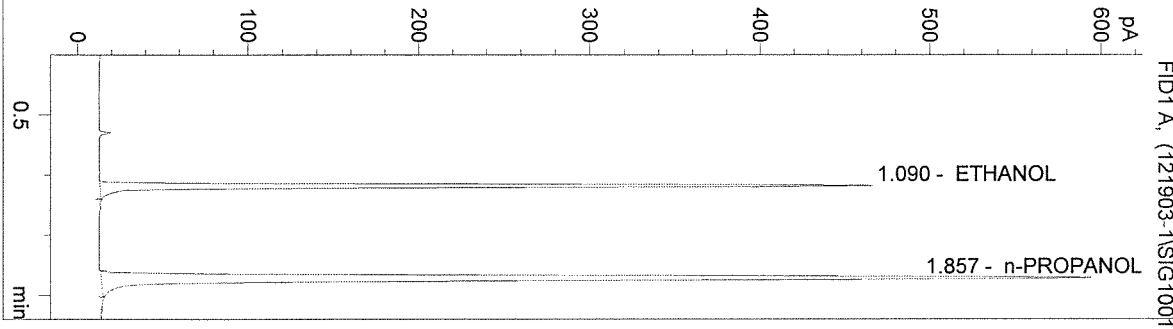


n-Propanol 1.000 g/100ml

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 12/19/03 4:17:08 PM  
 Instrument 3

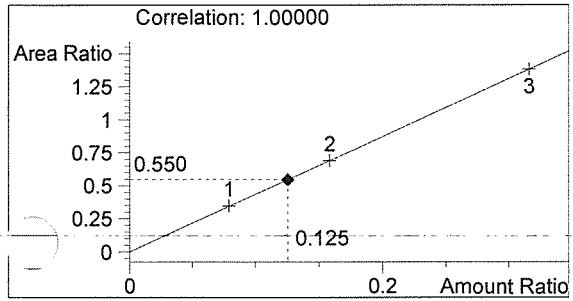
03044 qa sol  
 Mary Wilson

vial # 12

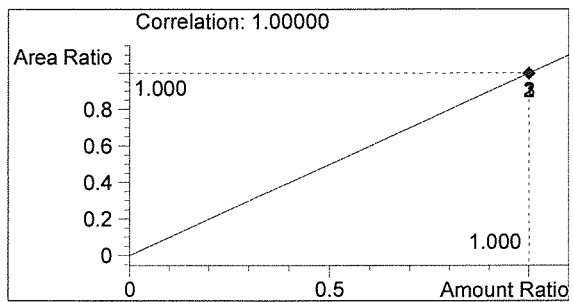


#	Compound	Area	RT
1	ETHANOL	886	1.090
2	n-PROPANOL	1611	1.857

Totals:

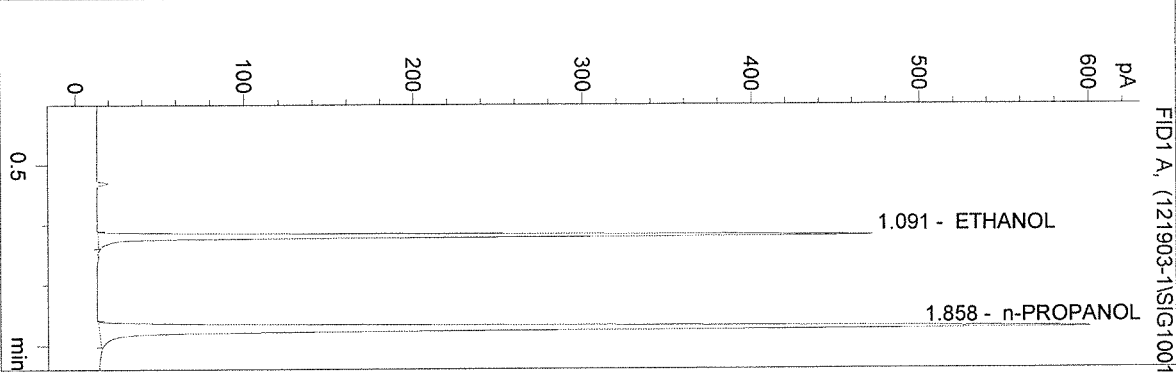


ETHANOL 0.125 g/100mL



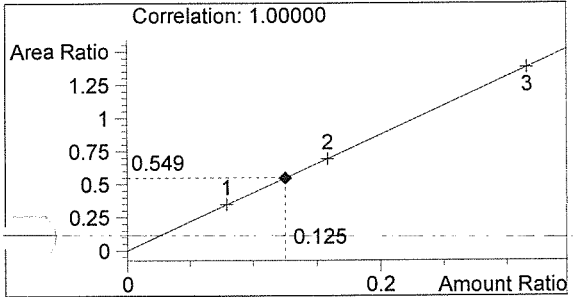
n-PROPANOL 1.000 g/100mL

vial # 13

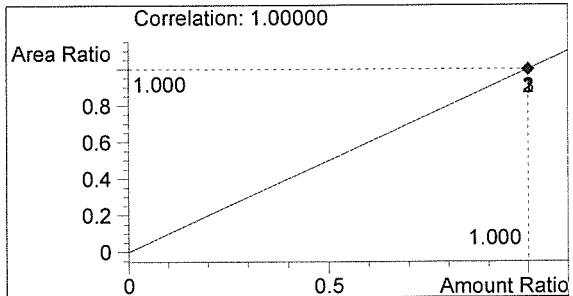


#	Compound	Area	RT
1	ETHANOL	890	1.091
2	n-PROPANOL	1622	1.858

Totals:



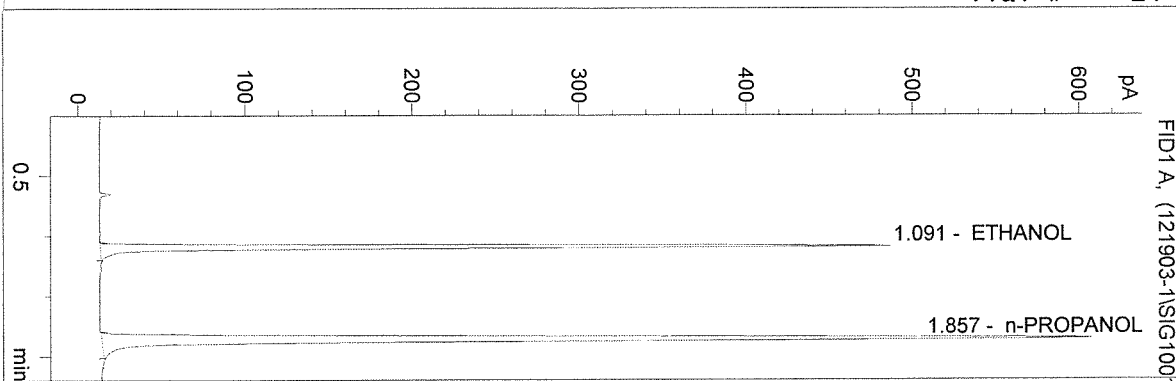
ETHANOL 0.125 g/100mL



n-PROPANOL 1.000 g/100mL

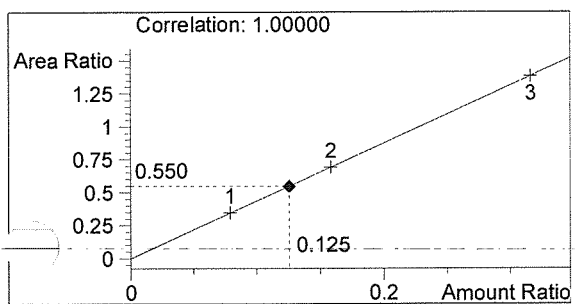


vial # 14

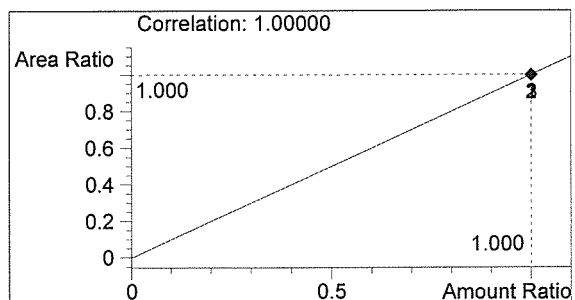


#	Compound	Area	RT
1	ETHANOL	901	1.091
2	n-PROPANOL	1638	1.857

Totals:

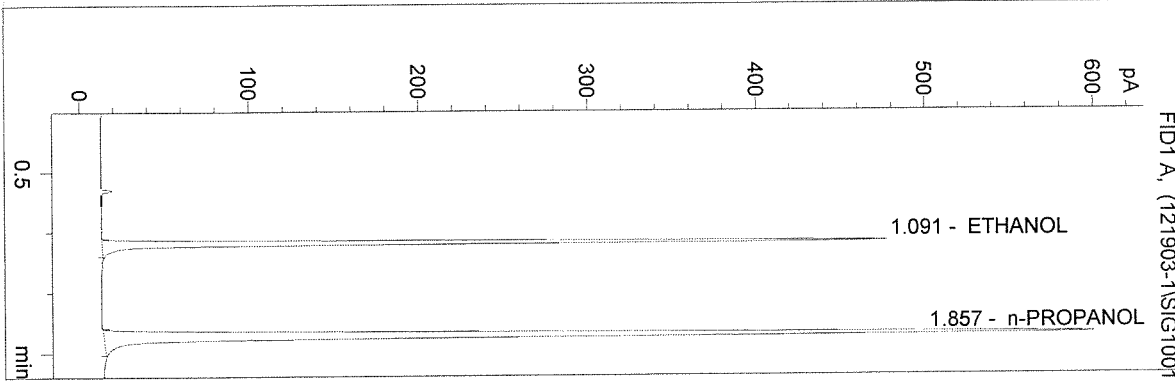


ETHANOL 0.125 g/100mL



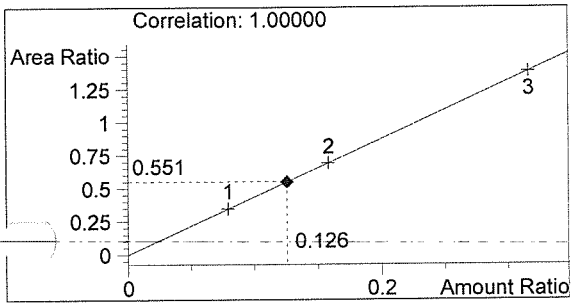
n-PROPANOL 1.000 g/100mL

vial # 15

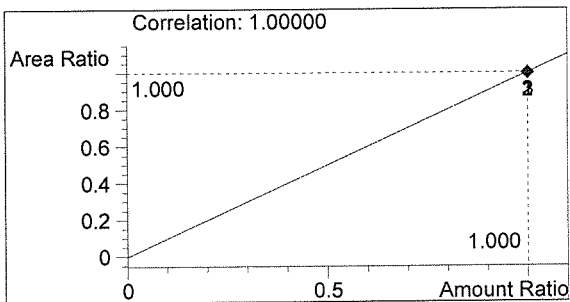


#	Compound	Area	RT
1	ETHANOL	893	1.091
2	n-PROPANOL	1621	1.857

Totals:



ETHANOL 0.126 g/100mL

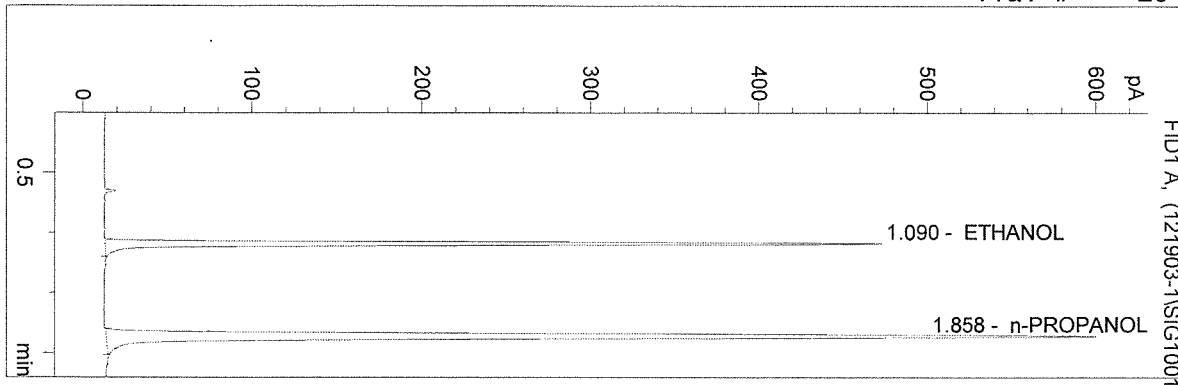


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 12/19/03 4:29:40 PM  
 Instrument 3

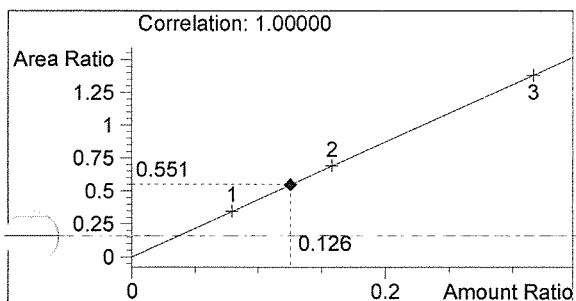
03044 qa sol  
 Mary Wilson

vial # 16

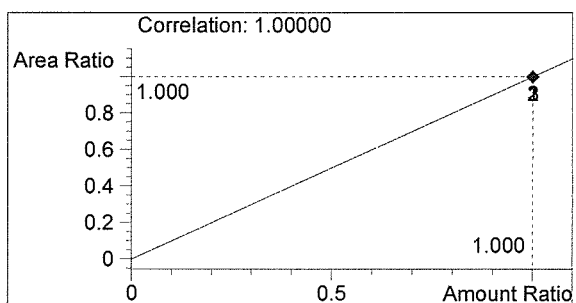


#	Compound	Area	RT
1	ETHANOL	895	1.090
2	n-PROPANOL	1626	1.858

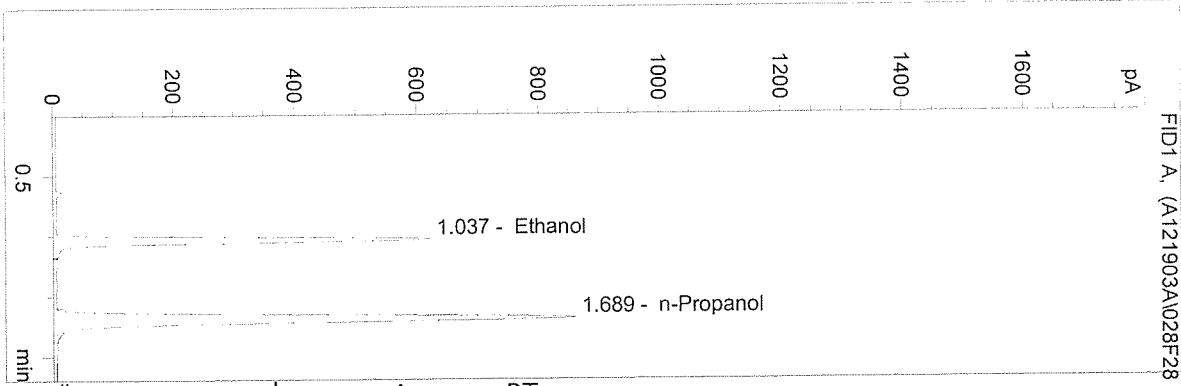
Totals:



ETHANOL 0.126 g/100mL

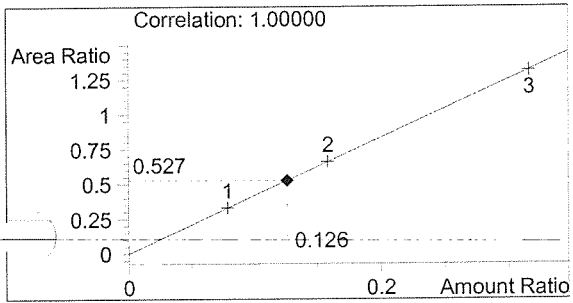


n-PROPANOL 1.000 g/100mL

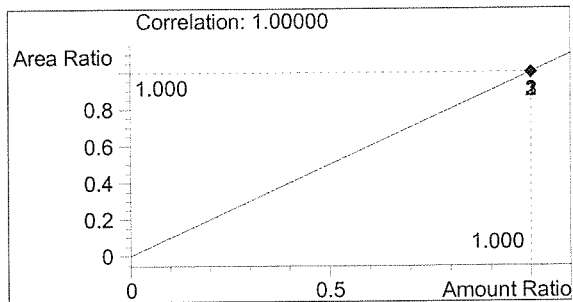


#	Compound	Area	RT
1	Ethanol	1904	1.037
2	n-Propanol	3609	1.689

Totals:



Ethanol 0.126 g/100ml

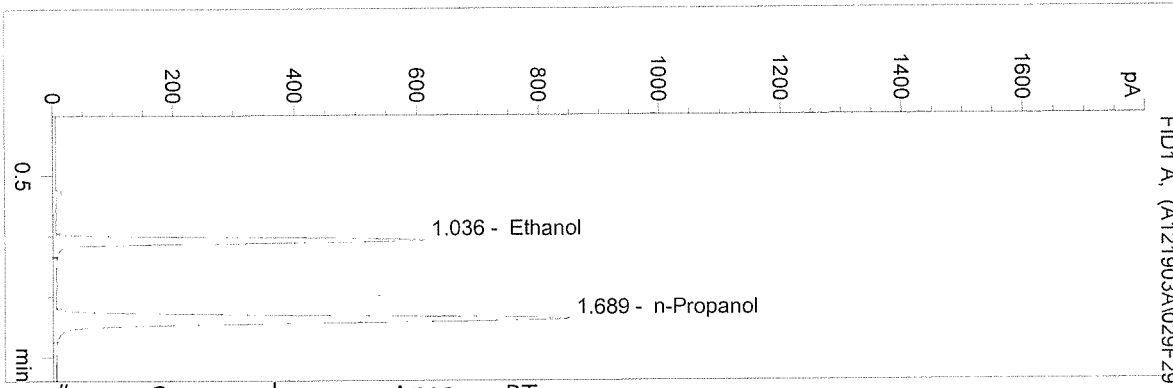


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M  
12/19/03 5:09:56 PM  
Instrument 2  
PP-ALC1

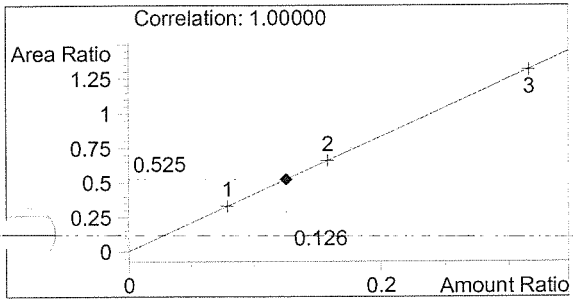
03044 QA sol EM  
alouis

vial # 29

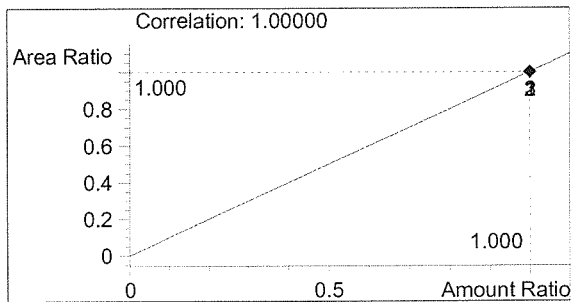


#	Compound	Area	RT
1	Ethanol	1883	1.036
2	n-Propanol	3584	1.689

Totals:



Ethanol 0.126 g/100ml

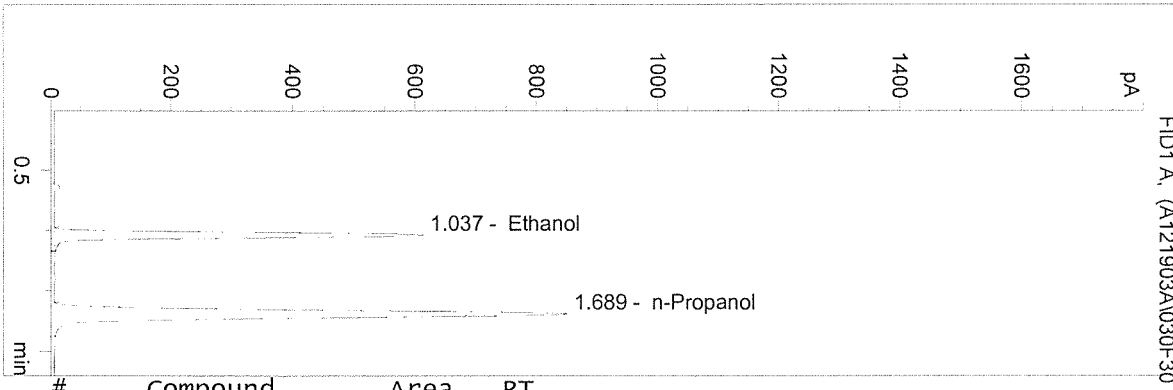


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M  
 12/19/03 5:13:00 PM  
 Instrument 2  
 PP-ALC1

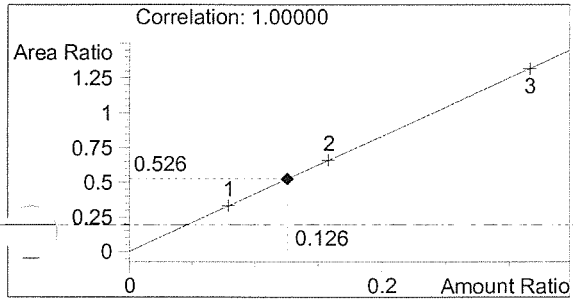
03044 QA sol EM  
 alouis

vial # 30

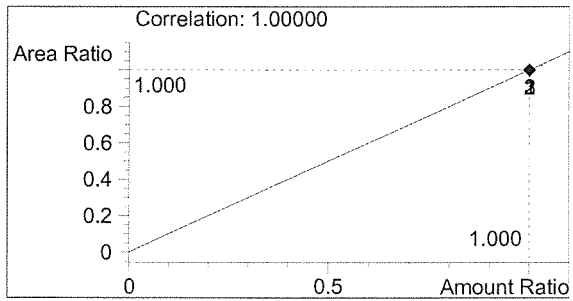


#	Compound	Area	RT
1	Ethanol	1880	1.037
2	n-Propanol	3575	1.689

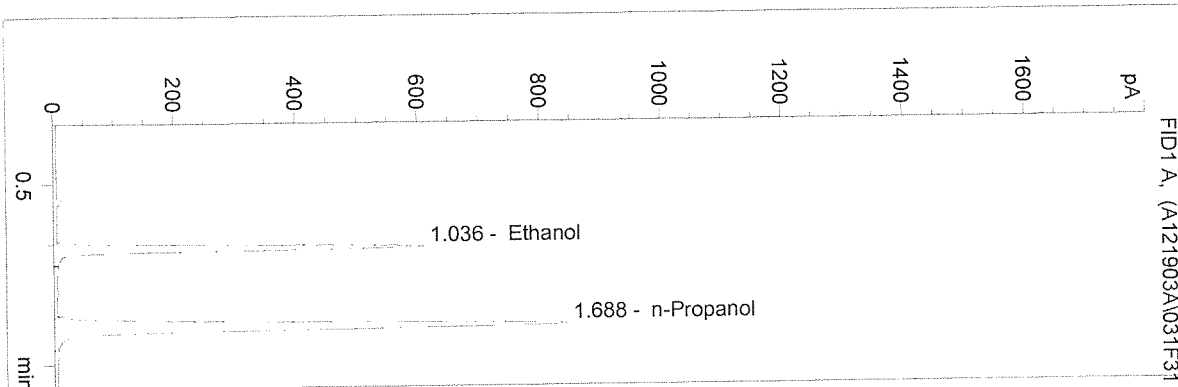
Totals:



Ethanol 0.126 g/100ml

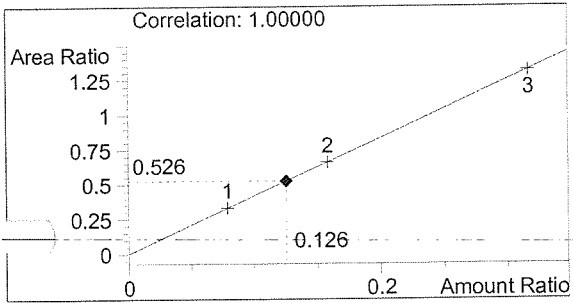


n-Propanol 1.000 g/100ml

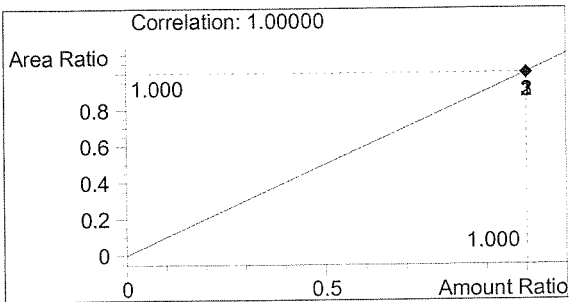


#	Compound	Area	RT
1	Ethanol	1867	1.036
2	n-Propanol	3549	1.688

Totals:



Ethanol 0.126 g/100ml

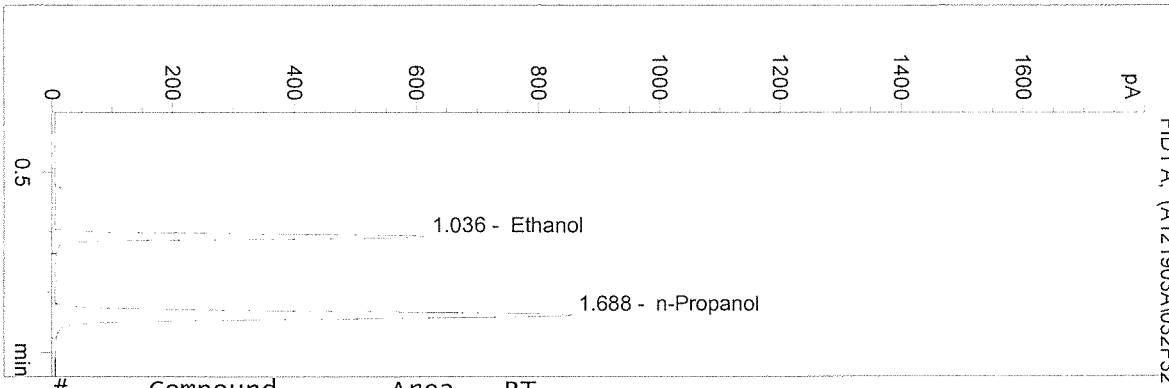


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M  
 12/19/03 5:19:09 PM  
 Instrument 2  
 GC-ALC1

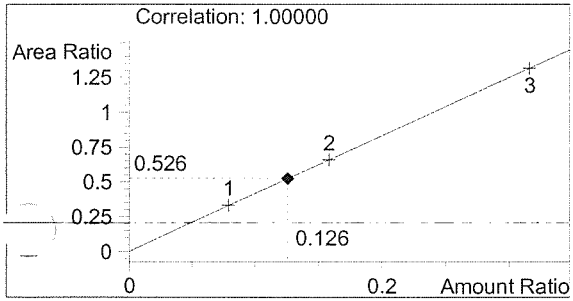
03044 QA sol EM  
 alouis

vial # 32

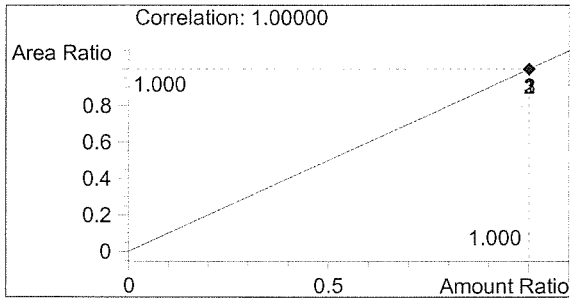


#	Compound	Area	RT
1	Ethanol	1889	1.036
2	n-Propanol	3591	1.688

Totals:



Ethanol 0.126 g/100ml



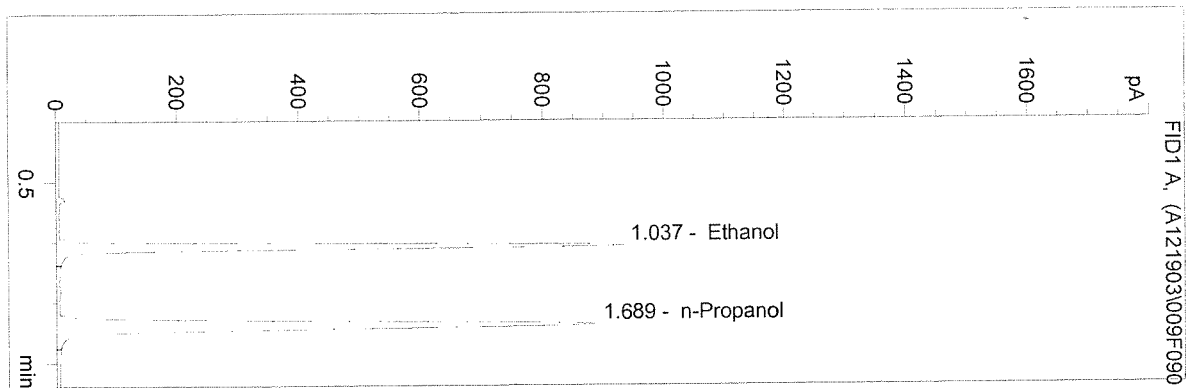
n-Propanol 1.000 g/100ml



C:\HPCHEM\2\METHODS\BLDALCO2.M  
12/19/03 3:15:33 PM  
Instrument 2  
PP-ALC1

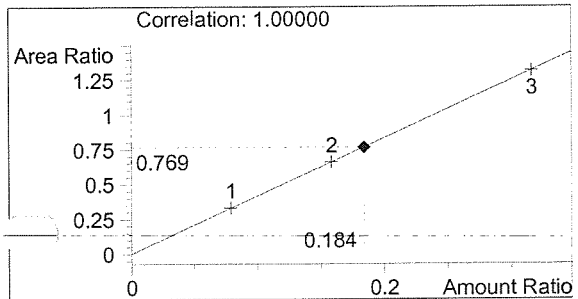
03045 QA sol  
alouis

vial # 9

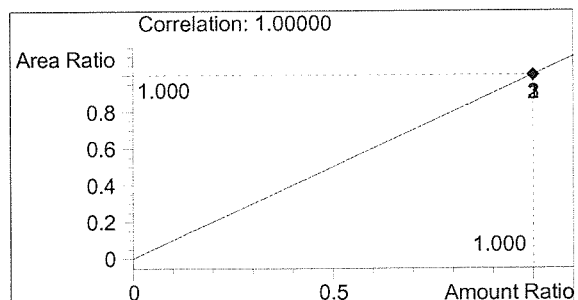


#	Compound	Area	RT
1	Ethanol	2869	1.037
2	n-Propanol	3732	1.689

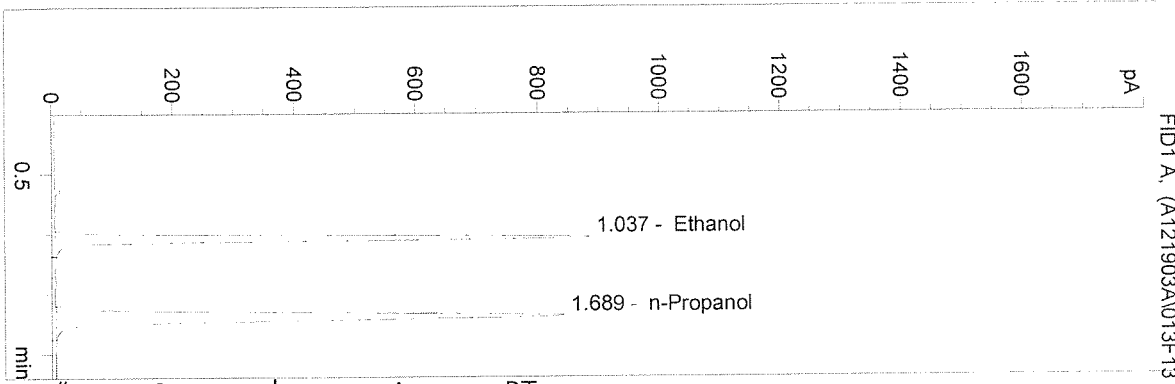
Totals:



Ethanol 0.184 g/100ml

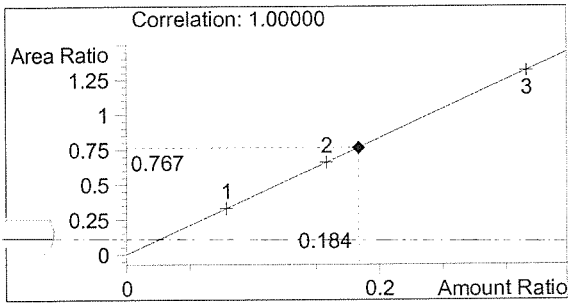


n-Propanol 1.000 g/100ml

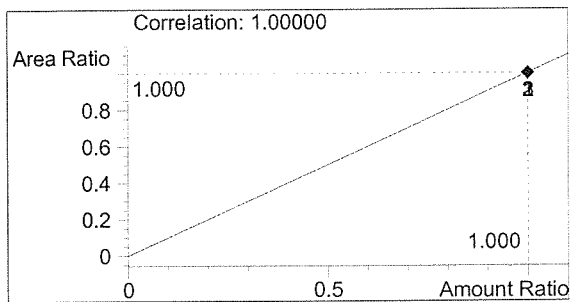


#	Compound	Area	RT
1	Ethanol	2712	1.037
2	n-Propanol	3535	1.689

Totals:



Ethanol 0.184 g/100ml

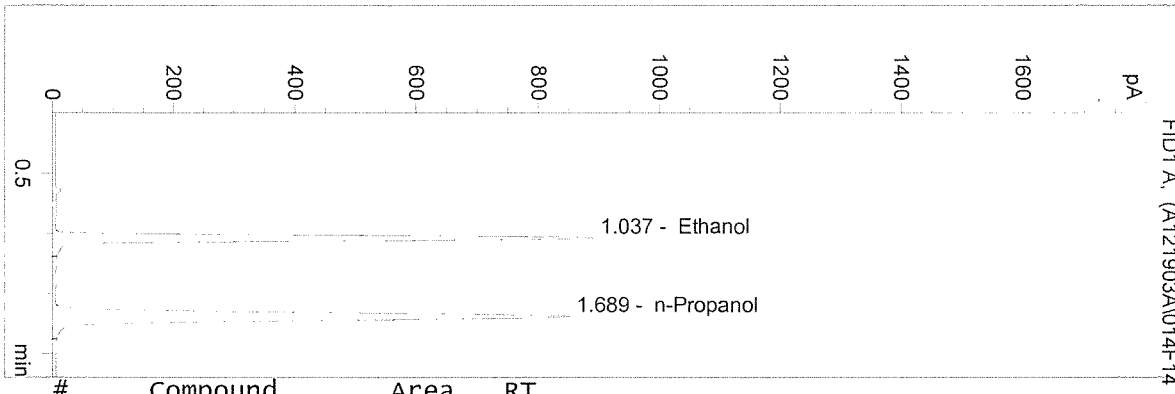


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M  
 12/19/03 4:23:46 PM  
 Instrument 2  
 DR-ALC1

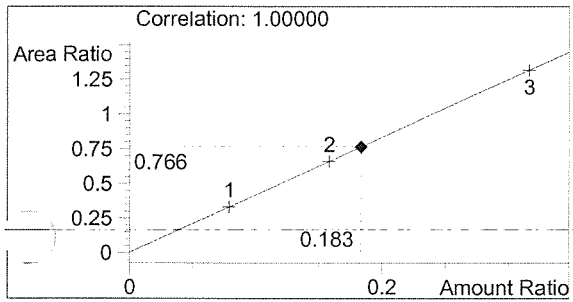
03045 QA sol  
 alouis

vial # 14

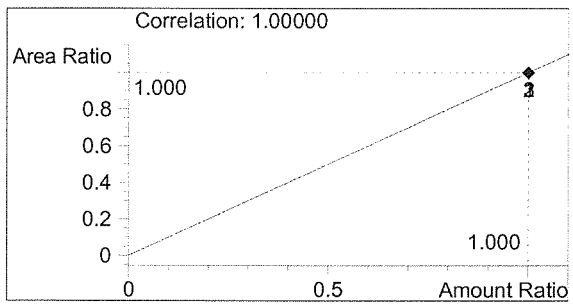


#	Compound	Area	RT
1	Ethanol	2743	1.037
2	n-Propanol	3583	1.689

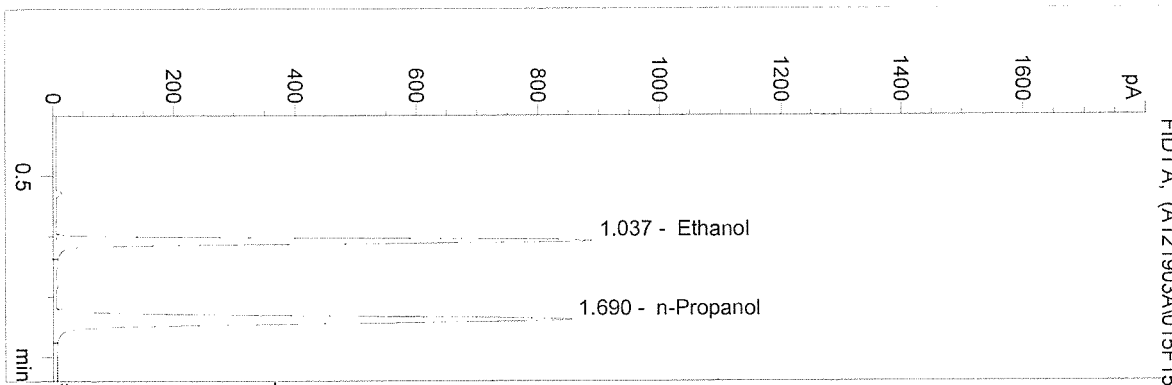
Totals:



Ethanol 0.183 g/100ml

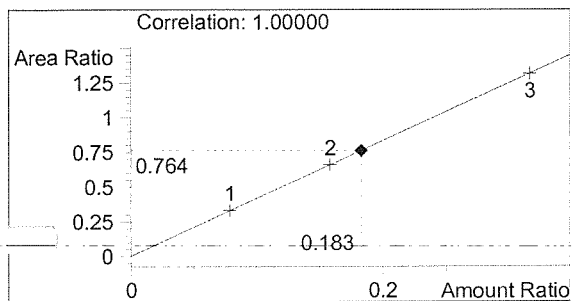


n-Propanol 1.000 g/100ml

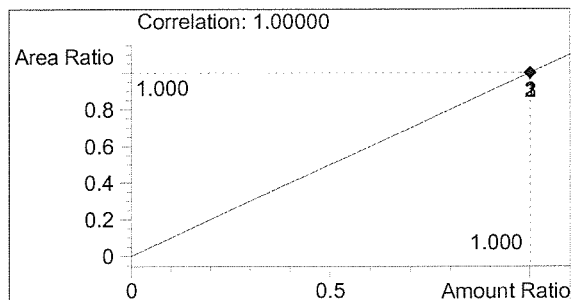


#	Compound	Area	RT
1	Ethanol	2745	1.037
2	n-Propanol	3594	1.690

Totals:



Ethanol 0.183 g/100ml

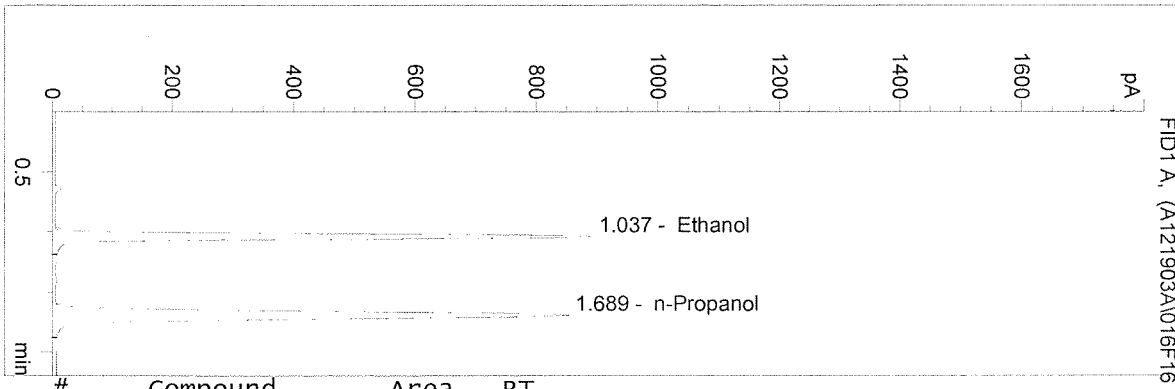


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M  
12/19/03 4:29:55 PM  
Instrument 2  
PP-ALC1

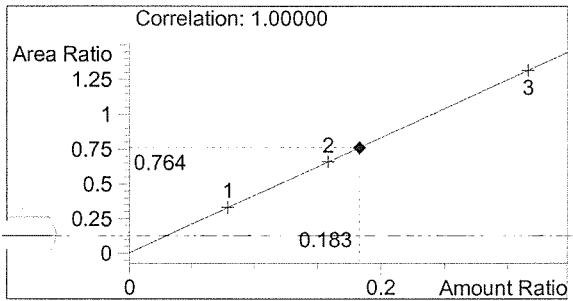
03045 QA sol  
alouis

vial # 16

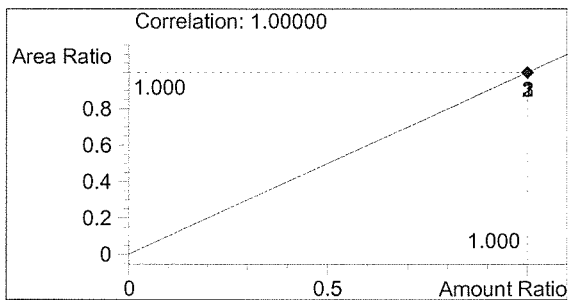


#	Compound	Area	RT
1	Ethanol	2747	1.037
2	n-Propanol	3594	1.689

Totals:

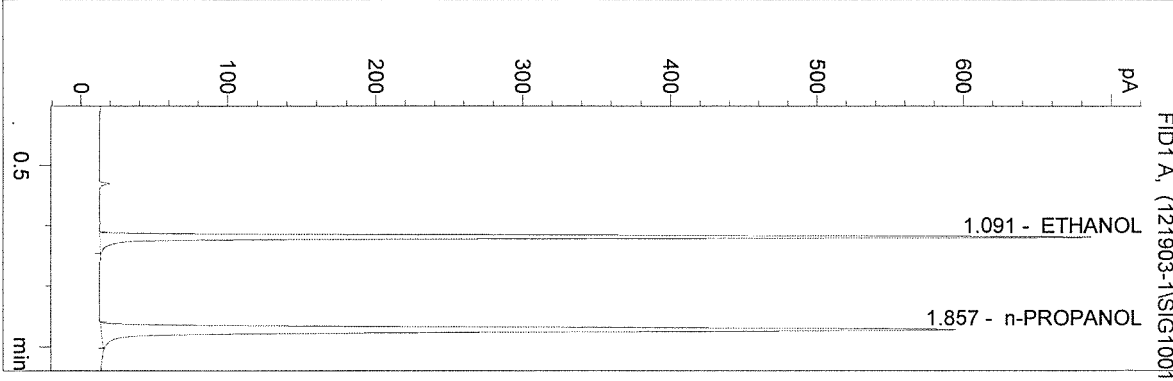


Ethanol 0.183 g/100ml



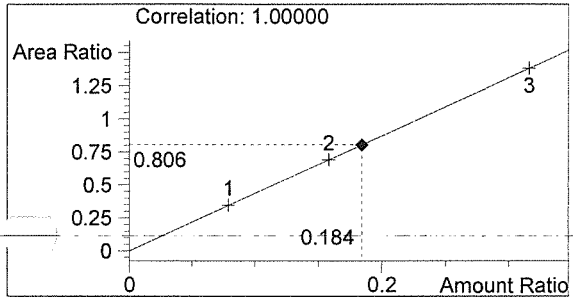
n-Propanol 1.000 g/100ml

vial # 17

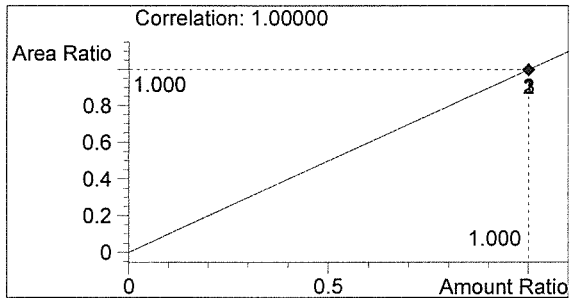


#	Compound	Area	RT
1	ETHANOL	1291	1.091
2	n-PROPANOL	1601	1.857

Totals:

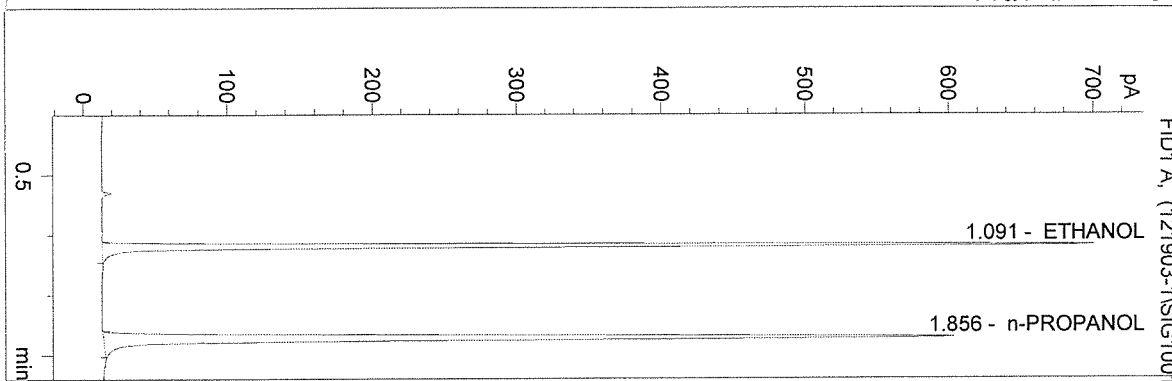


ETHANOL 0.184 g/100mL



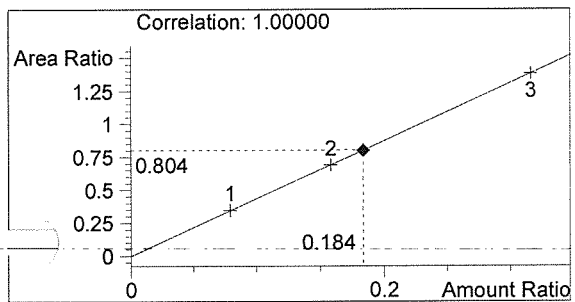
n-PROPANOL 1.000 g/100mL

vial # 18

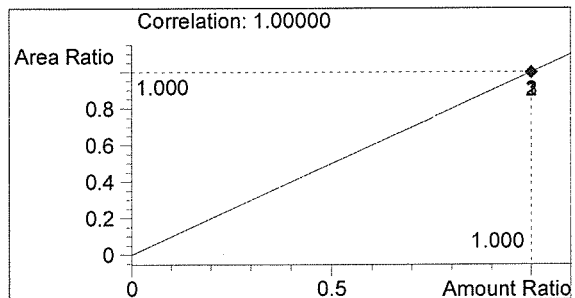


#	Compound	Area	RT
1	ETHANOL	1308	1.091
2	n-PROPANOL	1627	1.856

Totals:

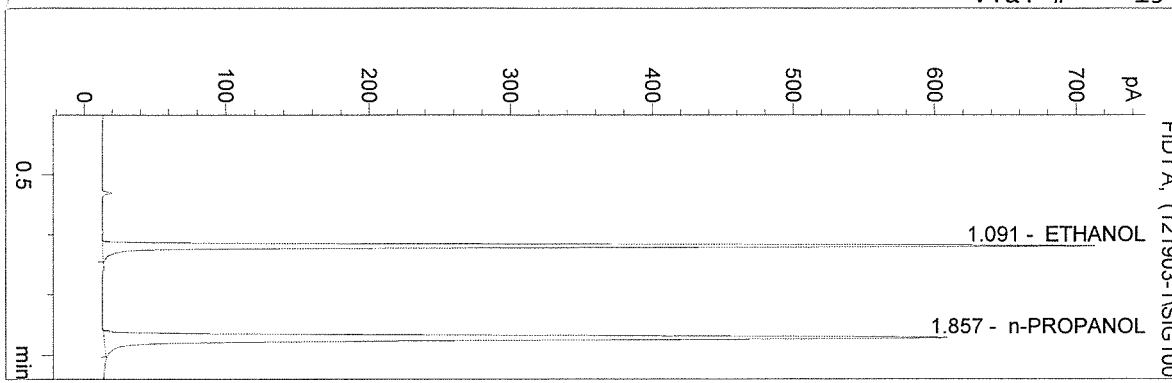


ETHANOL 0.184 g/100mL



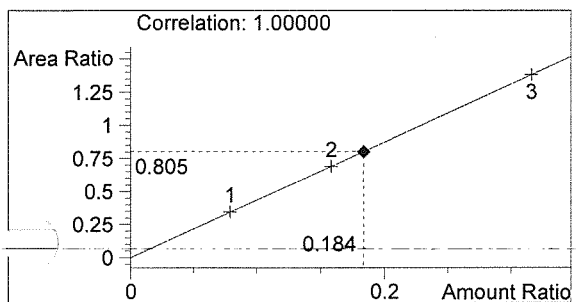
n-PROPANOL 1.000 g/100mL

vial # 19

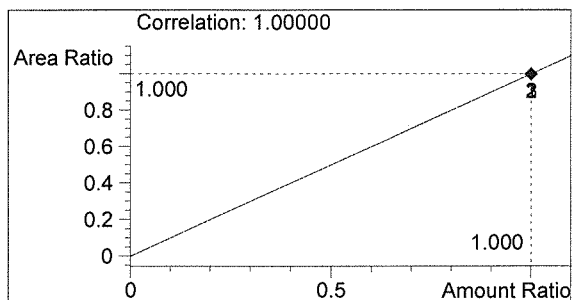


#	Compound	Area	RT
1	ETHANOL	1320	1.091
2	n-PROPANOL	1641	1.857

Totals:



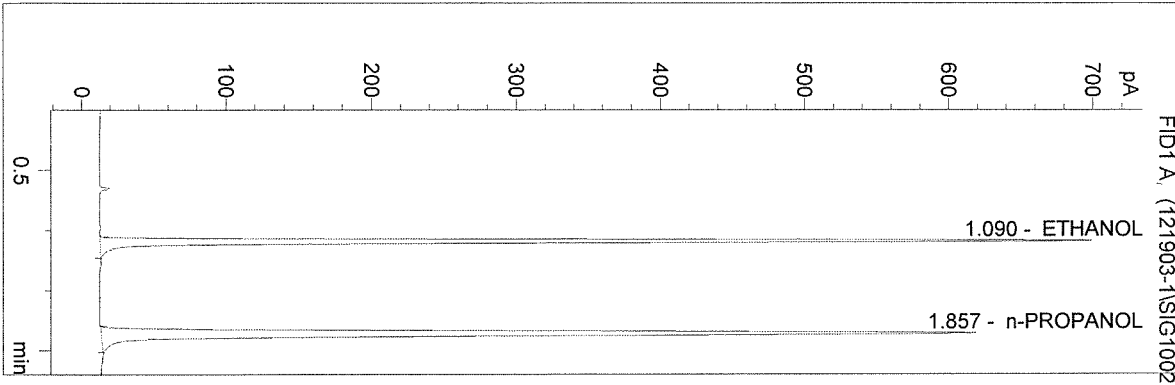
ETHANOL 0.184 g/100mL



n-PROPANOL 1.000 g/100mL

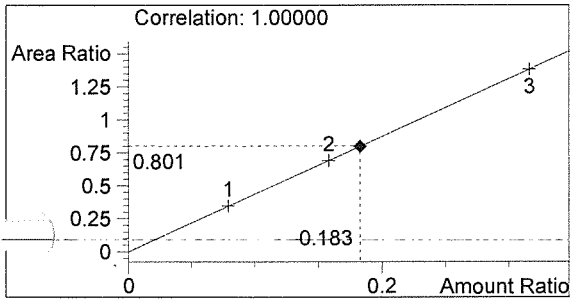


vial # 20

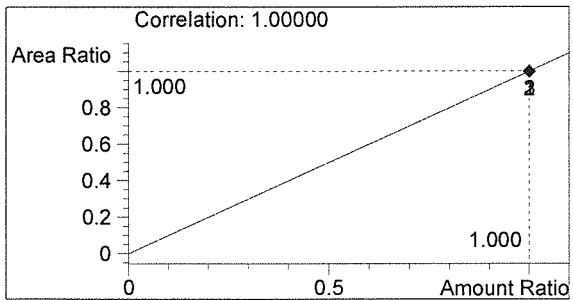


#	Compound	Area	RT
1	ETHANOL	1344	1.090
2	n-PROPANOL	1679	1.857

Totals:

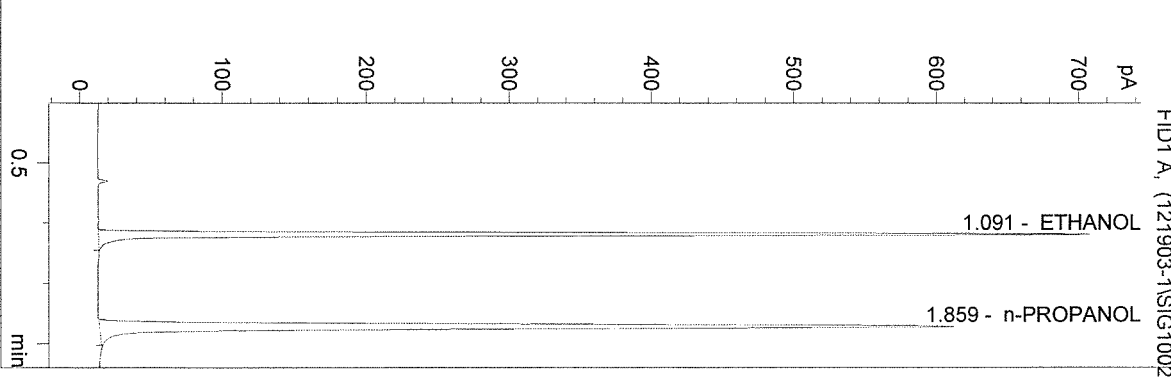


ETHANOL 0.183 g/100mL



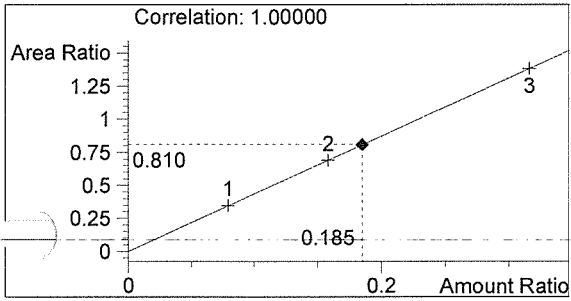
n-PROPANOL 1.000 g/100mL

vial # 21

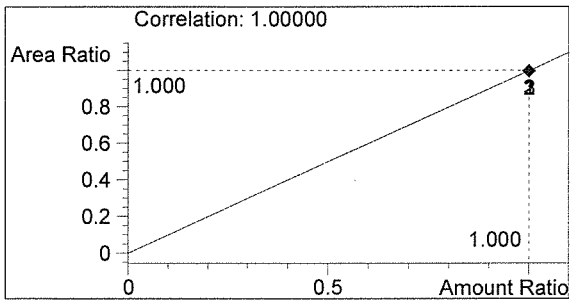


#	Compound	Area	RT
1	ETHANOL	1334	1.091
2	n-PROPANOL	1647	1.859

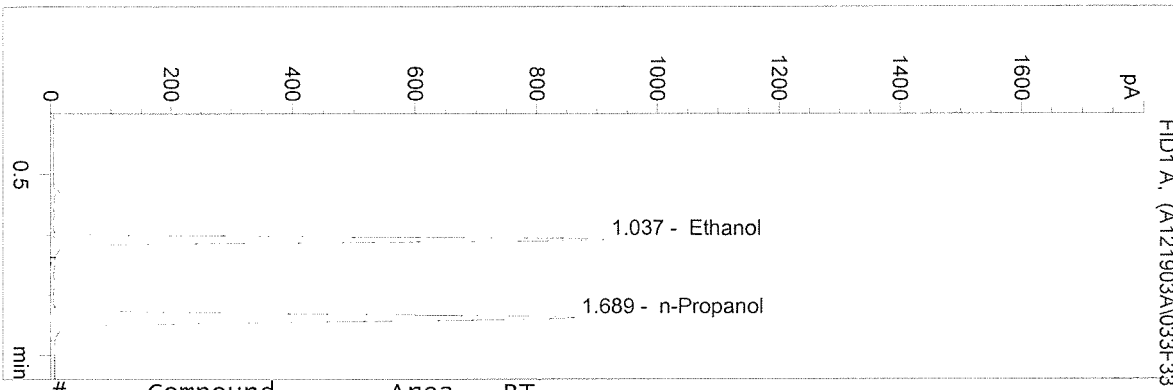
Totals:



ETHANOL 0.185 g/100mL

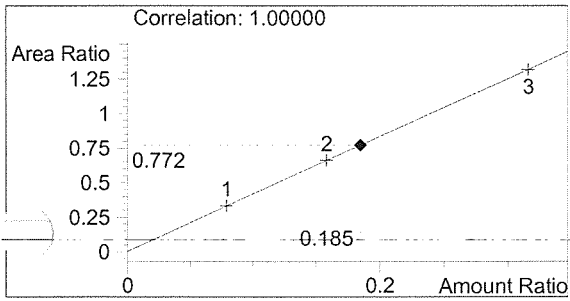


n-PROPANOL 1.000 g/100mL

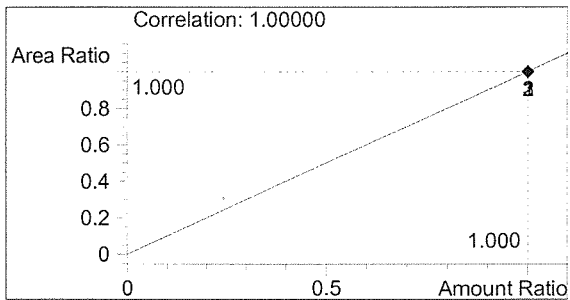


#	Compound	Area	RT
1	Ethanol	2803	1.037
2	n-Propanol	3630	1.689

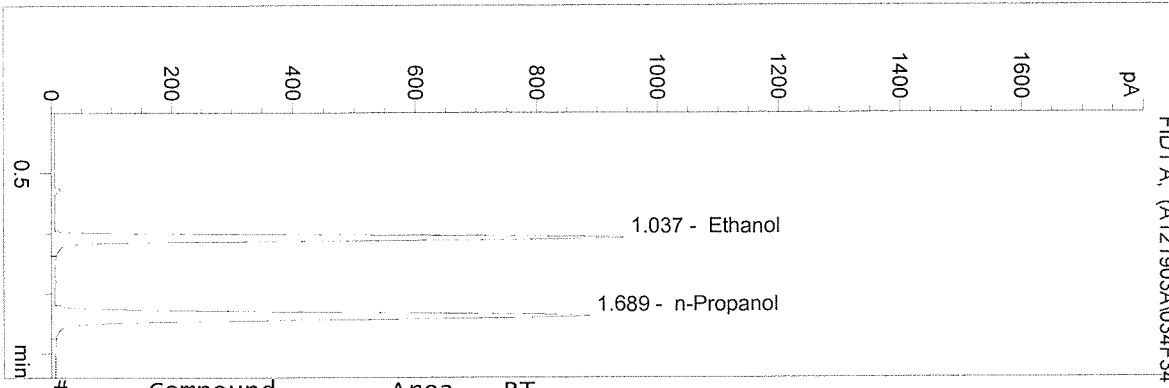
Totals:



Ethanol 0.185 g/100ml

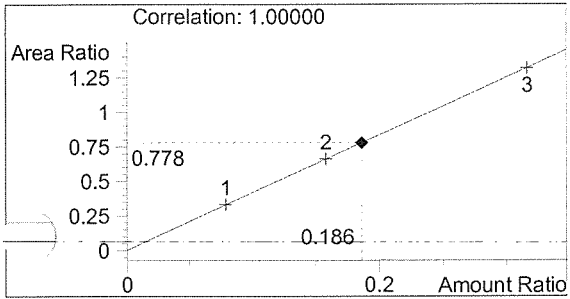


n-Propanol 1.000 g/100ml

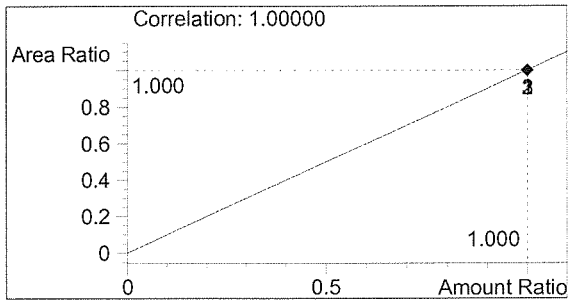


#	Compound	Area	RT
1	Ethanol	2903	1.037
2	n-Propanol	3730	1.689

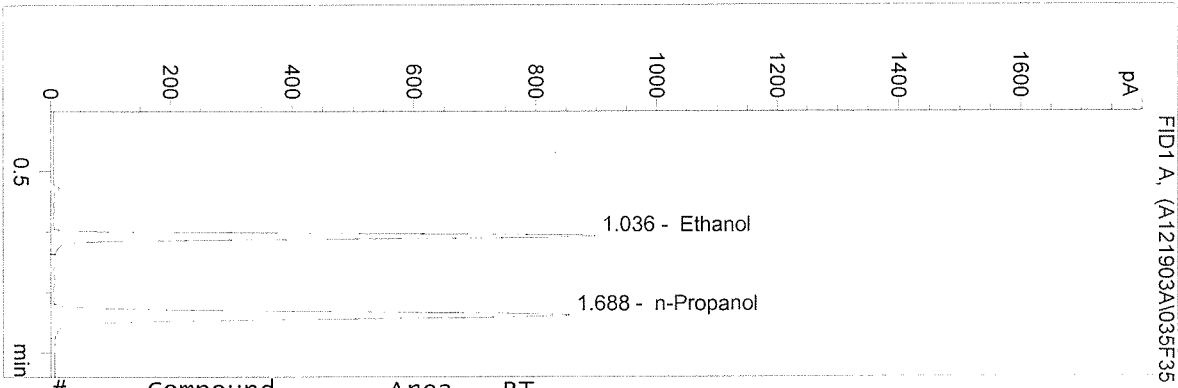
Totals:



Ethanol 0.186 g/100ml

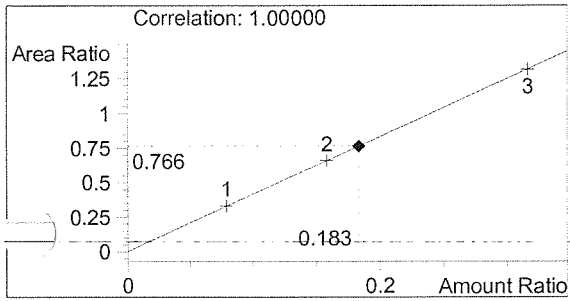


n-Propanol 1.000 g/100ml

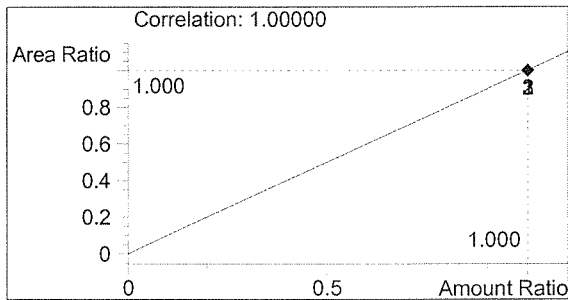


#	Compound	Area	RT
1	Ethanol	2757	1.036
2	n-Propanol	3599	1.688

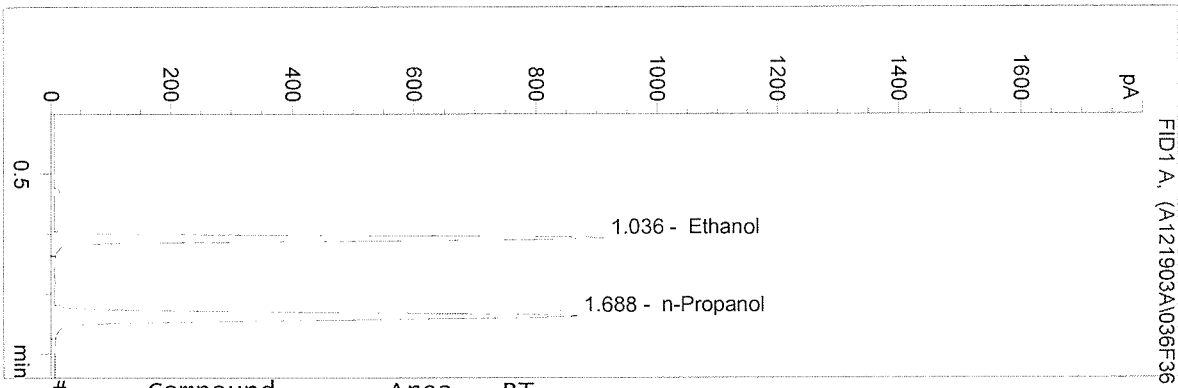
Totals:



Ethanol 0.183 g/100ml

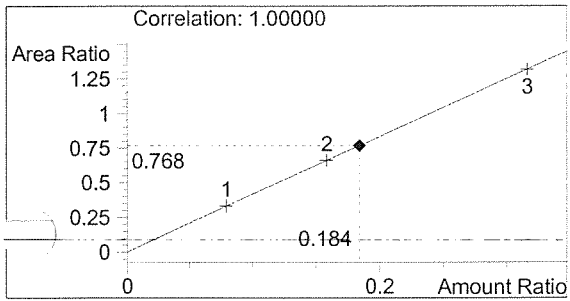


n-Propanol 1.000 g/100ml

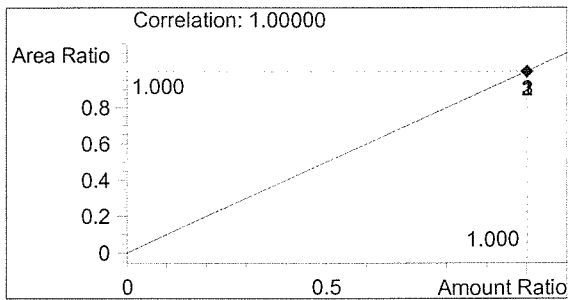


#	Compound	Area	RT
1	Ethanol	2795	1.036
2	n-Propanol	3641	1.688

Totals:



Ethanol 0.184 g/100ml

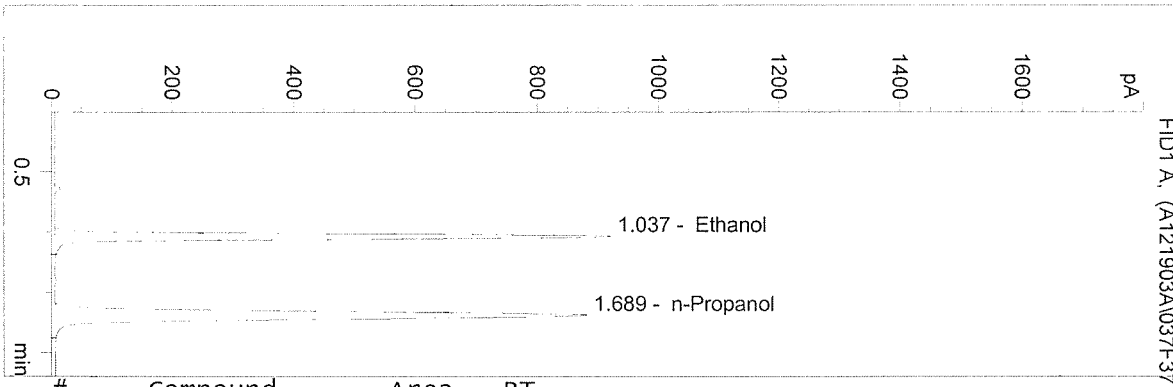


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M  
 12/19/03 5:34:33 PM  
 Instrument 2  
 PS-ALC1

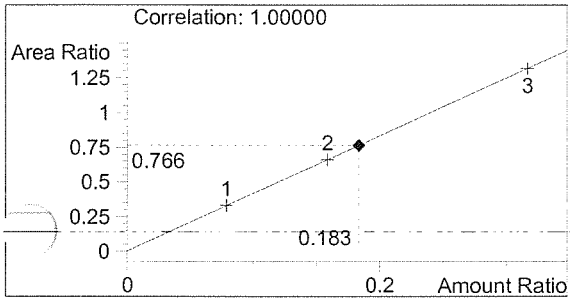
03045 QA sol EM  
 alouis

vial # 37

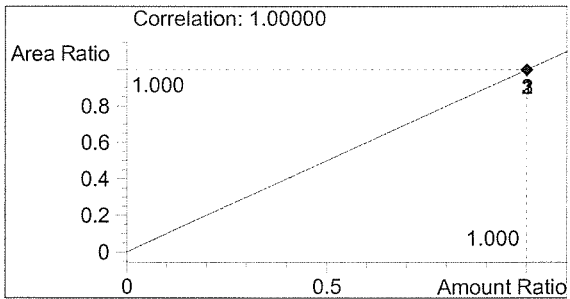


#	Compound	Area	RT
1	Ethanol	2836	1.037
2	n-Propanol	3704	1.689

Totals:



Ethanol 0.183 g/100ml



n-Propanol 1.000 g/100ml