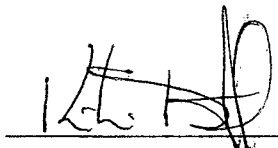


**Notice of Simulator Solution File Review**

At the request of the State Toxicologist a review of the following simulator solution records has been accomplished. The following file consists of simulator solution analyses performed and completed by the State Toxicology Laboratory for a specific batch number. The file contains the simulator solution data entry form along with a file review record and the chromatograms generated by the Toxicology Laboratory during the analyses of the solutions. This file has been reviewed by Tpr. Ken Denton and Mr. Rod Gullberg for accuracy and completeness. Where computations regarding simulator solution values have been found to be incorrect, the corrected values have been written in by Mr. Rod Gullberg along with initials and date. The corrected values were then evaluated to ensure that the solution still conformed to those standards established by the State Toxicologist.

Where computation values changed for a specific batch number, the analysts employed by the State Toxicology Laboratory were asked to review the revisions, ensure the solution complied with the criteria established by the State Toxicologist and then re-sign their affidavit. Their signature will appear on their original affidavit along with a statement regarding their review of the results.

Where a dating error occurred that analyst will have made the correction on the original data form including their initials and date and then re-signed their original affidavit.

 10/9/2007

Tpr. Ken Denton

Date

 10-9-07

Rod G. Gullberg

Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEA SEANTON / TOD GULLBERG Date 10-1-07  
Location TOX LAB SEATTLE Batch Number 06042

Form Review Criteria

Preparation date precedes all analysis dates: Okay  Not Okay \_\_\_  
Data entry corresponds to all chromatograms: Okay  Not Okay \_\_\_  
All signatures present: Okay  Not Okay \_\_\_


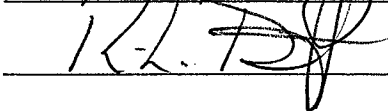
Computations:

Avg. solution concentration: Correct  Not Correct \_\_\_  
Standard deviation: Correct  Not Correct \_\_\_  
Range: Correct  Not Correct \_\_\_  
Precision: Correct  Not Correct \_\_\_  
Equivalent vapor concent.: Correct  Not Correct \_\_\_  
External Control Information  
(lot # and future date): Correct  Not Correct \_\_\_

Complies with accuracy and precision requirements established by the  
State Toxicologist: Yes  No \_\_\_

Corrections Necessary:

Comments:

Reviewer Signature:  Date: 10-1-07  
Reviewer Signature:  Date: 10/1/2007

**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


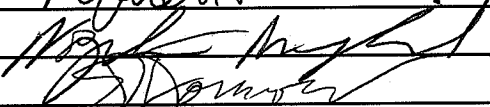
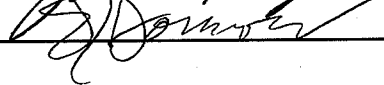
Preparation and certification of **0.15** g/210L Quality Assurance solution  
 Batch number **06042** Date: 11/6/2006  
 Preparation: 42.3 mL of absolute ethyl alcohol diluted to 18 Liters with water  
 Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal10	Anal 11	Anal 12	Anal 13	Anal14	Anal 15	Anal 16
1	0.190	0.189	0.189													
2	0.192	0.190	0.188													
3	0.192	0.192	0.190													
4	0.193	0.190	0.190													
5	0.190	0.190	0.190													
Ctrl	0.099	0.099	0.100													

**External Control:**  
 Lot #: A041837 Exp date: 4-2010  
 Target concentration: 0.10 g/100mL

**Statistics:**  
 Avg. solution concent.: 0.1903 g/100 mL  
 SD: 0.00135  
 Range (3xSD): 0.1863 to 0.1943  
 Precision CV (%): 0.7069 %

**Equivalent vapor concent.:** 0.1547 g/210L

Analyst	Name	Signature	Date
1	Lisa Piquette		11/06/2006
2	Naziha Nuwayhid, PhD		11/06/2006
3	Edward Formoso		11/07/2006
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Prepared by: Lisa Piquette according to the approved protocol



STATE OF WASHINGTON  
WASHINGTON STATE PATROL

WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360•Seattle, Washington 98134-2927•(206) 262-6100•FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION

I, Edward J. Formoso, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry and twenty-nine years of experience in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 06042, was prepared in the Washington State Toxicology Laboratory on 11/6/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.15 grams per 100ml.

Dated: 11/7/2006  
Seattle, WA

Edward J. Formoso  
Forensic Toxicologist

EJF/km  
EFQA



STATE OF WASHINGTON  
WASHINGTON STATE PATROL

WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360•Seattle, Washington 98134-2927•(206) 262-6100•FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION

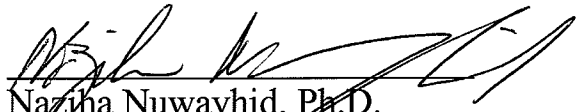
I, Naziha Nuwayhid, do certify under penalty of perjury that:

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

I possess the following qualifications: Bachelor and Masters degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and six years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

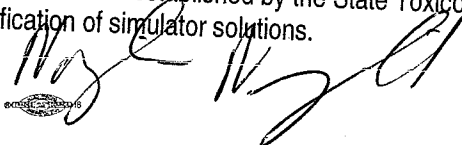
The quality assurance solution, Lot Number 06042, was prepared in the Washington State Toxicology Laboratory on 11/6/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.15 grams per 100ml.

Dated: 11/7/2006  
Seattle, WA

  
Naziha Nuwayhid, Ph.D.  
Forensic Toxicologist

NN/km  
NNQA

A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions.

  
10/8/07





STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360•Seattle, Washington 98134-2927•(206) 262-6100•FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION


I, Lisa R. Piquette, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biochemistry, and two years laboratory experience in formulation chemistry.

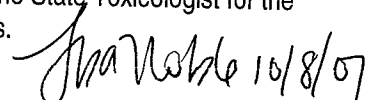
The quality assurance solution, Lot Number 06042, was prepared in the Washington State Toxicology Laboratory on 11/06/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.15 grams per 100ml.

Dated: 11/7/2006  
Seattle, WA

  
\_\_\_\_\_  
Lisa R. Piquette  
Forensic Toxicologist

LP/km  
LPQA

A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions.

  
Jana Noble 10/8/07

Sequence Parameters:

Operator: Lisa Piquette  
Data File Naming: Auto  
Data Directory: D:\HPCHEM\1\DATA\  
Data Subdirectory: 061106LP  
Part of Methods to run: According to Runtime Checklist  
Barcode Reader: not used  
Shutdown Cmd/Macro: none  
Sequence Comment:

Sequence Table (Front Injector):

Method and Injection Info Part:

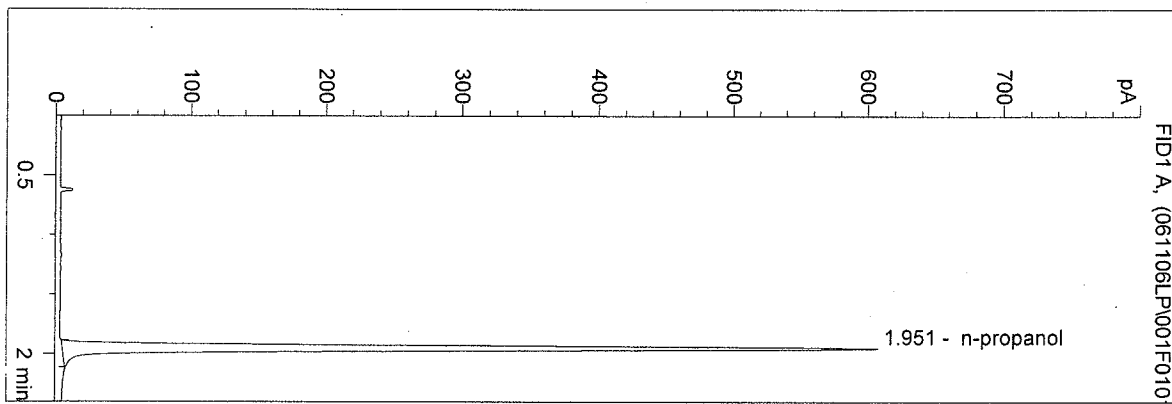
Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	BLDALCO2	1	Sample		
2	Vial 2	0.10 CONTROL-LP	BLDALCO2	1	Ctrl Samp		
3	Vial 3	06042-1	BLDALCO2	1	Sample		
4	Vial 4	06042-2	BLDALCO2	1	Sample		
5	Vial 5	06042-3	BLDALCO2	1	Sample		
6	Vial 6	06042-4	BLDALCO2	1	Sample		
7	Vial 7	06042-5	BLDALCO2	1	Sample		
8	Vial 8	BLANK	BLDALCO2	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

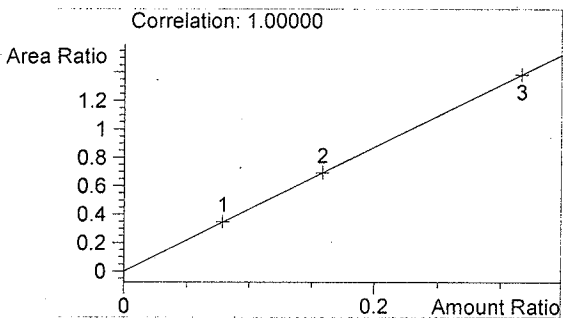
D:\HPCHEM\1\METHODS\BLDALCO2.M  
 11/6/2006 4:13:34 PM  
 Instrument 5  
 DB-ALC2

BLANK  
 Lisa Piquette  
 vial # 1

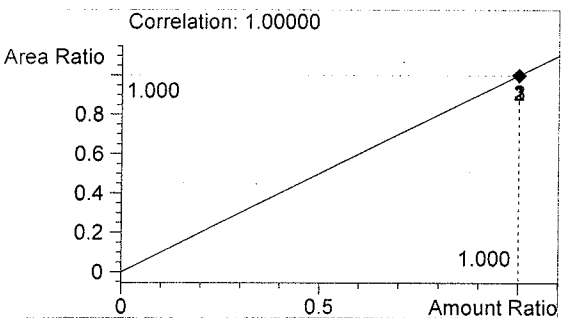


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1778	1.951

Totals:



ethanol 0.000 g/100ml

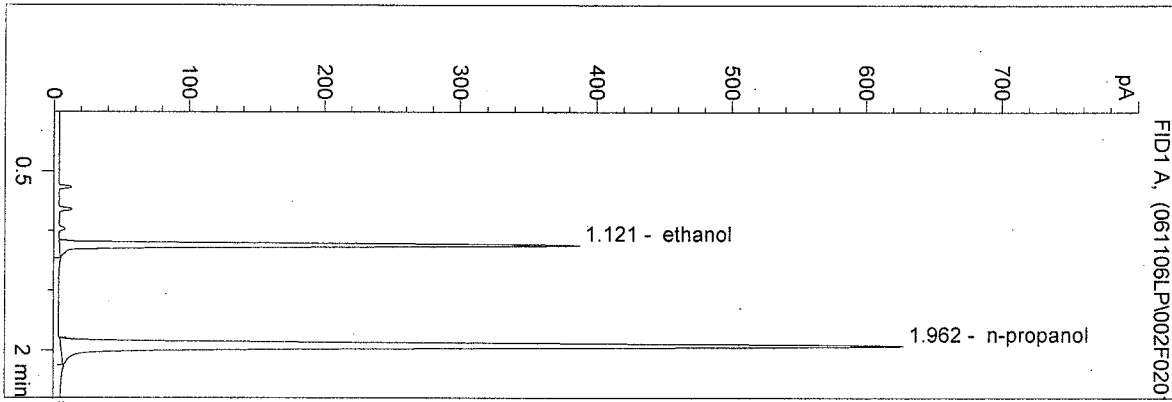


n-propanol 1.000 g/100ml



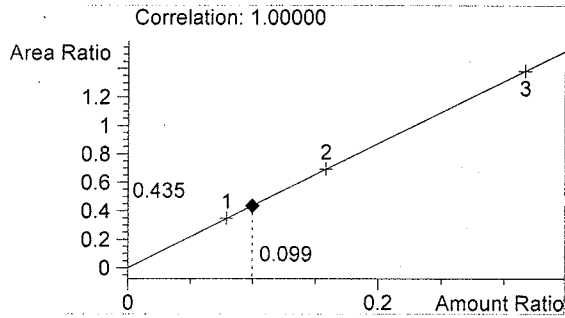
D:\HPCHEM\1\METHODS\BLDALCO2.M  
 11/6/2006 4:16:54 PM  
 Instrument 5  
 DB-ALC2

0.10 CONTROL-LP  
 Lisa Piquette  
 vial # 2

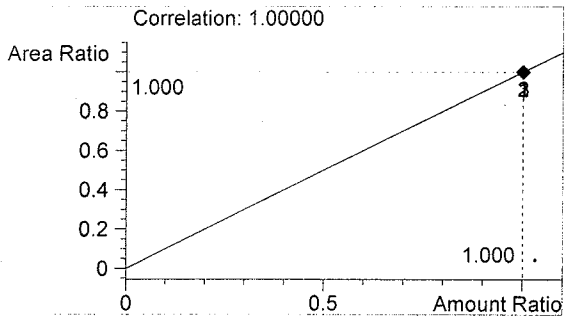


#	Compound	Area	RT
1	ethanol	802	1.121
2	n-propanol	1842	1.962

Totals:



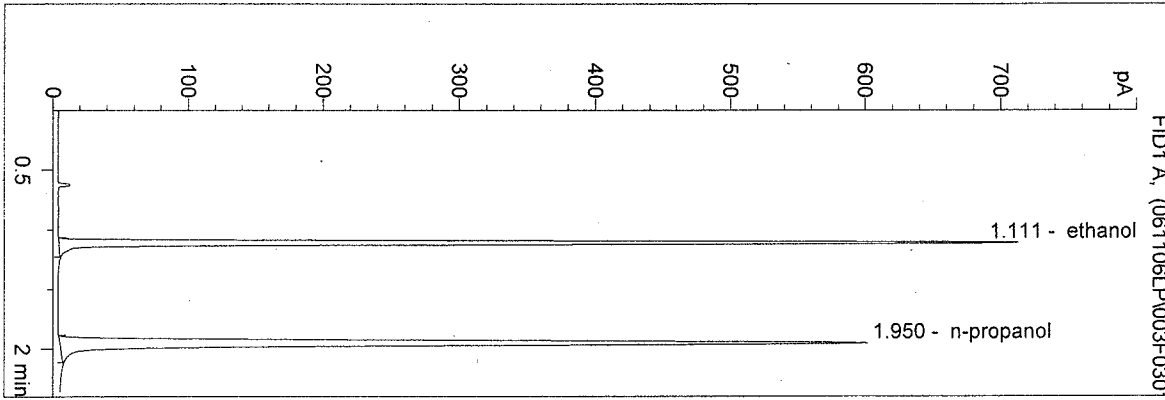
ethanol 0.099 g/100ml



n-propanol 1.000 g/100ml

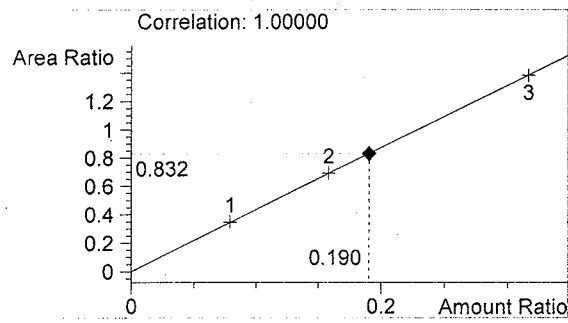
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 Instrument 5  
 DB-ALC2

06042-1  
 Lisa Piquette  
 vial # 3

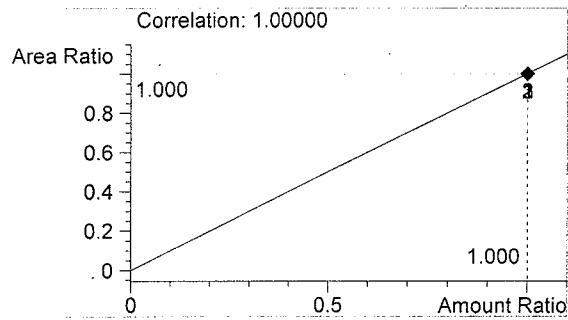


#	Compound	Area	RT
1	ethanol	1466	1.111
2	n-propanol	1762	1.950

Totals:



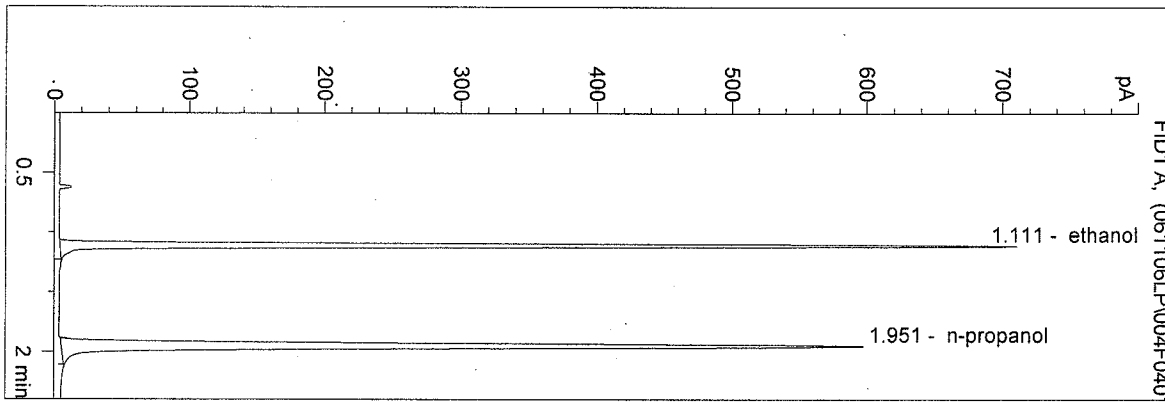
ethanol 0.190 g/100ml



n-propanol 1.000 g/100ml

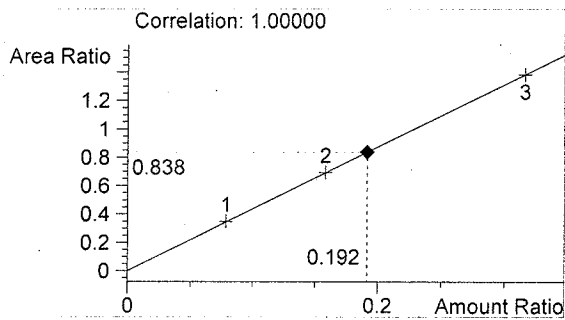
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 11/6/2006 4:25:31 PM  
 Instrument 5  
 DB-ALC2

06042-2  
 Lisa Piquette  
 vial # 4

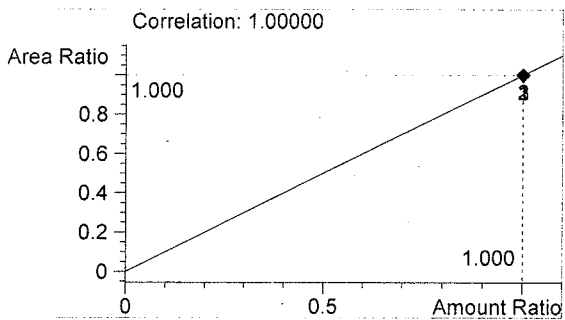


#	Compound	Area	RT
1	ethanol	1466	1.111
2	n-propanol	1749	1.951

Totals:



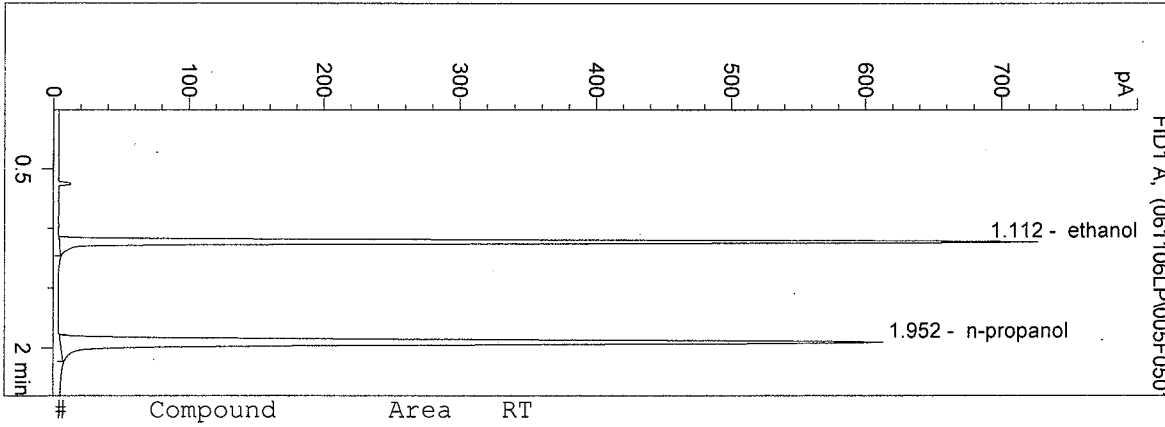
ethanol 0.192 g/100ml



n-propanol 1.000 g/100ml

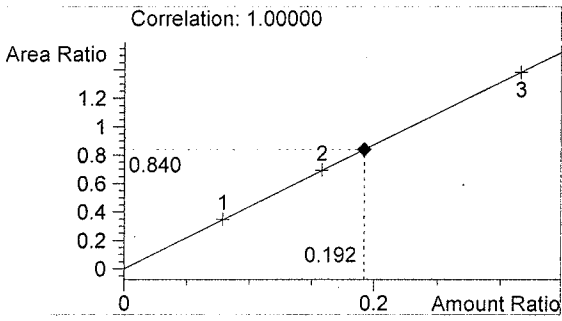
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 11/6/2006 4:28:56 PM  
 Instrument 5  
 DB-ALC2

06042-3  
 Lisa Piquette  
 vial # 5

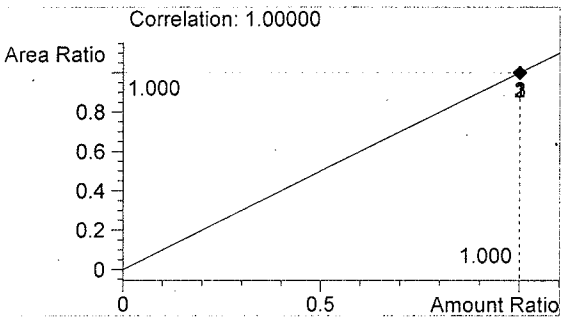


#	Compound	Area	RT
1	ethanol	1510	1.112
2	n-propanol	1799	1.952

Totals:



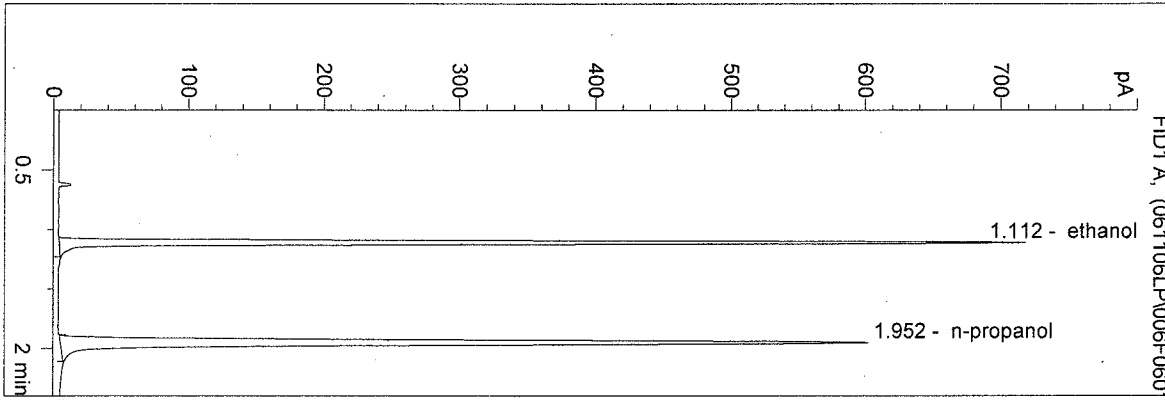
ethanol 0.192 g/100ml



n-propanol 1.000 g/100ml

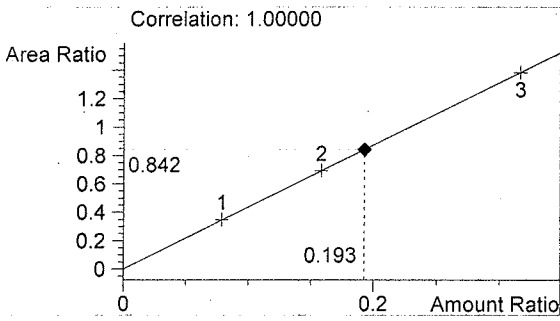
D:\HPCHEM\1\METHODS\BLDALCO2.M  
 11/6/2006 4:32:22 PM  
 Instrument 5  
 DB-ALC2

06042-4  
 Lisa Piquette  
 vial # 6

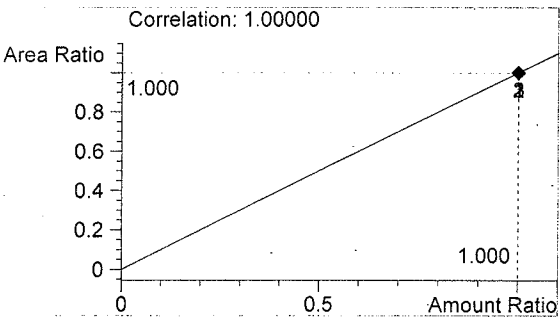


#	Compound	Area	RT
1	ethanol	1488	1.112
2	n-propanol	1766	1.952

Totals:



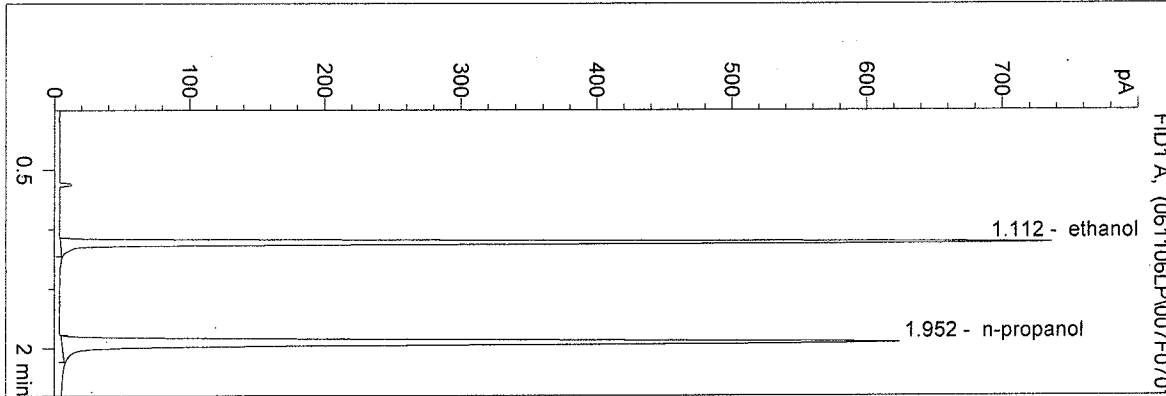
ethanol 0.193 g/100ml



n-propanol 1.000 g/100ml

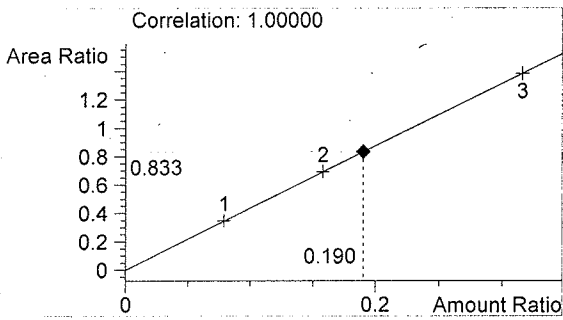
D:\HPCHEM\1\METHODS\BLDALCO2.M  
 11/6/2006 4:37:33 PM  
 Instrument 5  
 DB-ALC2

06042-5  
 Lisa Piquette  
 vial # 7

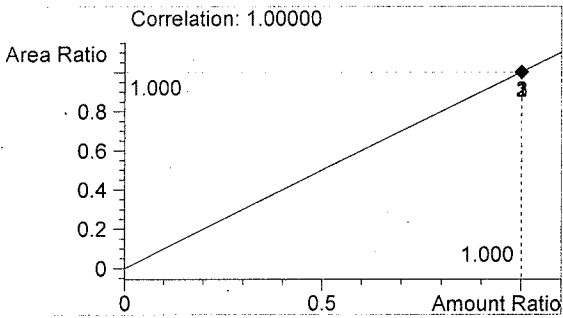


#	Compound	Area	RT
1	ethanol	1518	1.112
2	n-propanol	1823	1.952

Totals:



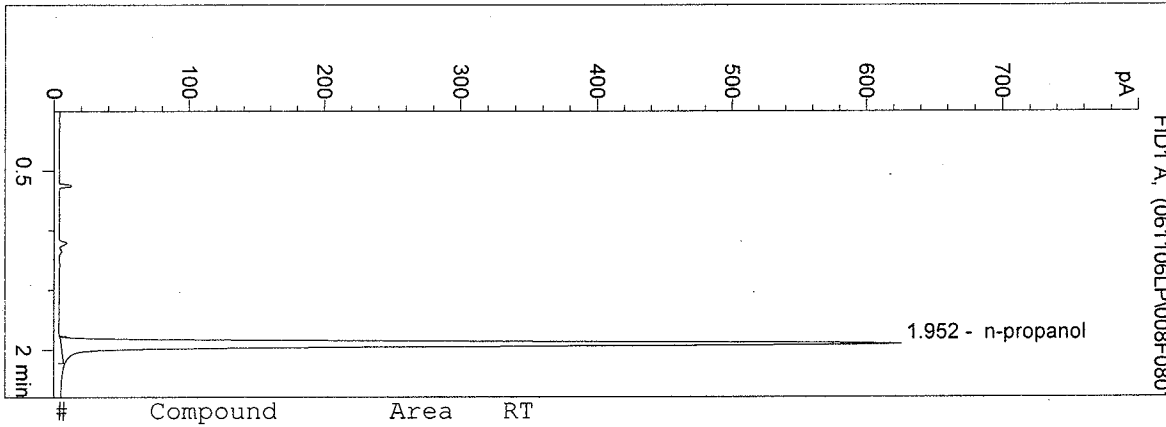
ethanol 0.190 g/100ml



n-propanol 1.000 g/100ml

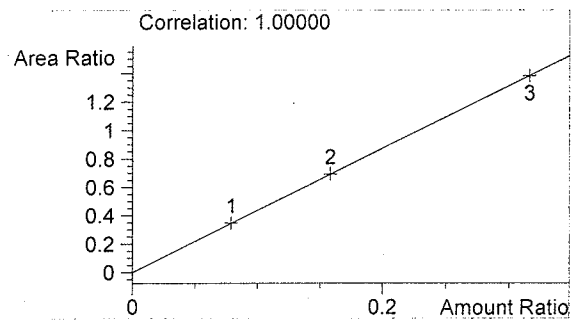
D:\HPCHEM\1\METHODS\BLDALCO2.M  
 11/6/2006 4:40:51 PM  
 Instrument 5  
 DB-ALC2

BLANK  
 Lisa Piquette  
 vial # 8

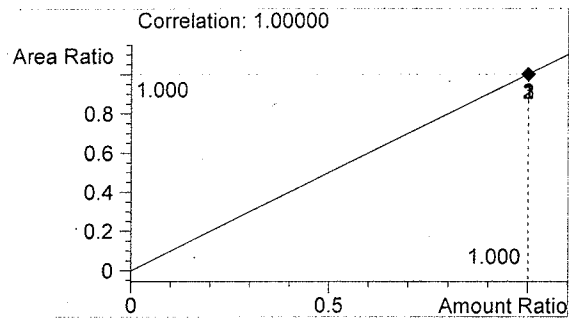


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1835	1.952

Totals:



ethanol 0.000 g/100ml

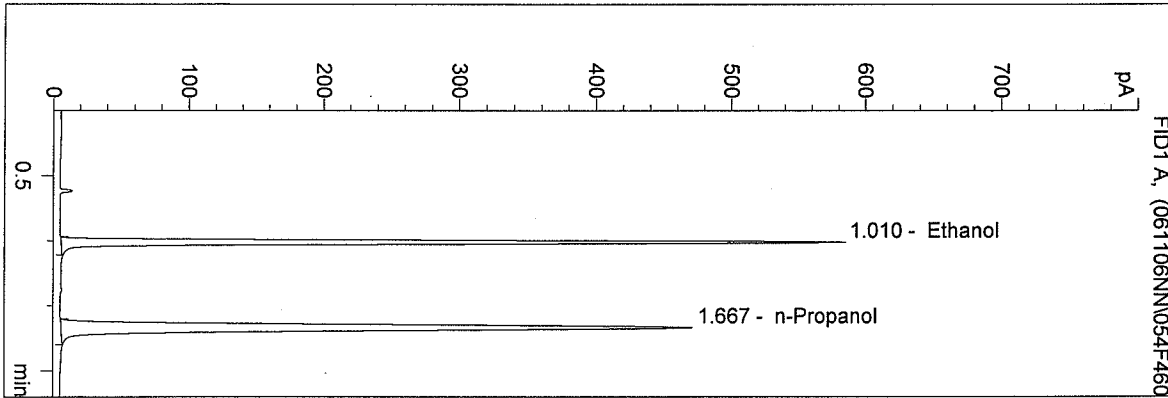


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 11/6/2006 5:32:41 PM  
 Instrument 4  
 DB-ALC1

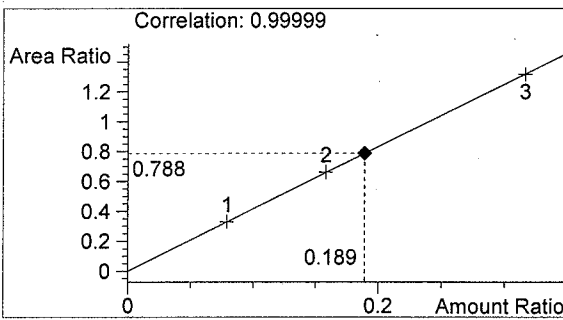
06042 QA-1  
 N Nuwayhid, PhD

vial # 54

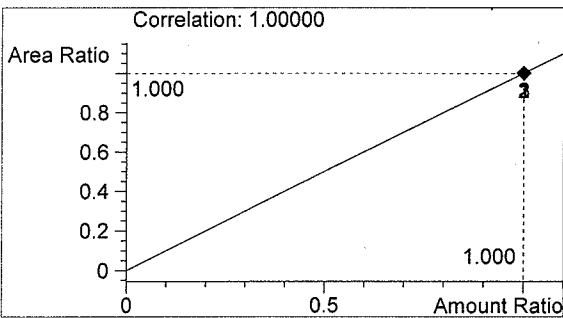


#	Compound	Area	RT
1	Ethanol	1149	1.010
2	n-Propanol	1458	1.667

Totals:



Ethanol 0.189 g/100ml



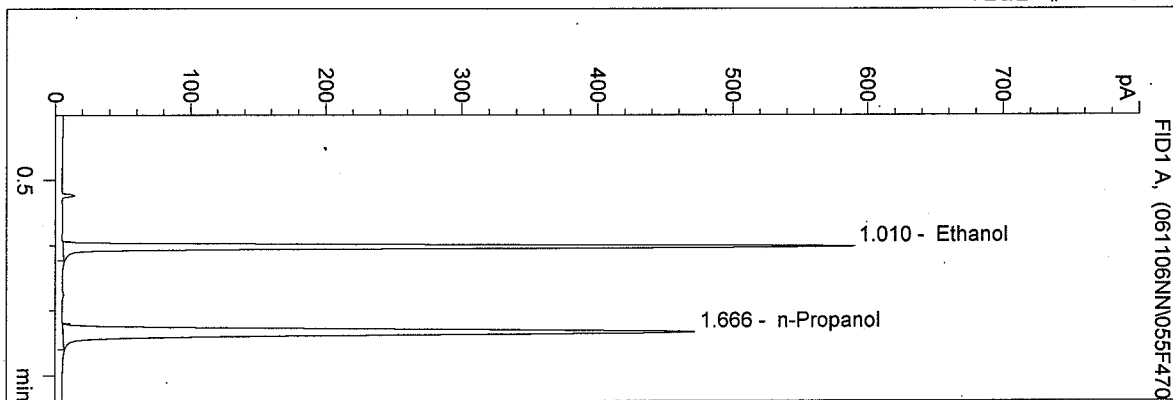
n-Propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO.M  
 11/6/2006 5:35:59 PM  
 Instrument 4  
 DB-ALC1

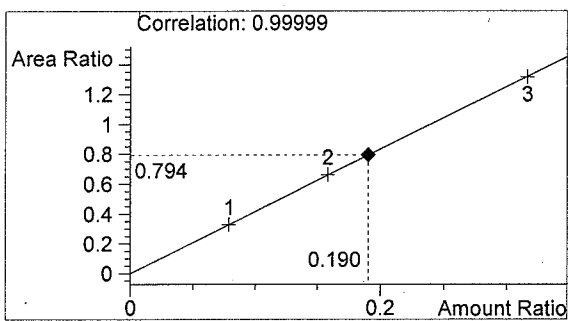
06042 QA-2  
 N Nuwayhid, PhD

vial # 55

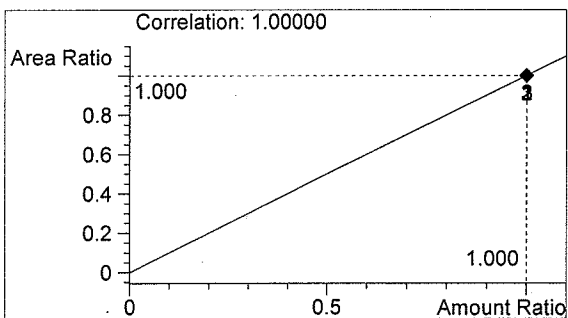


#	Compound	Area	RT
1	Ethanol	1158	1.010
2	n-Propanol	1459	1.666

Totals:



Ethanol 0.190 g/100ml

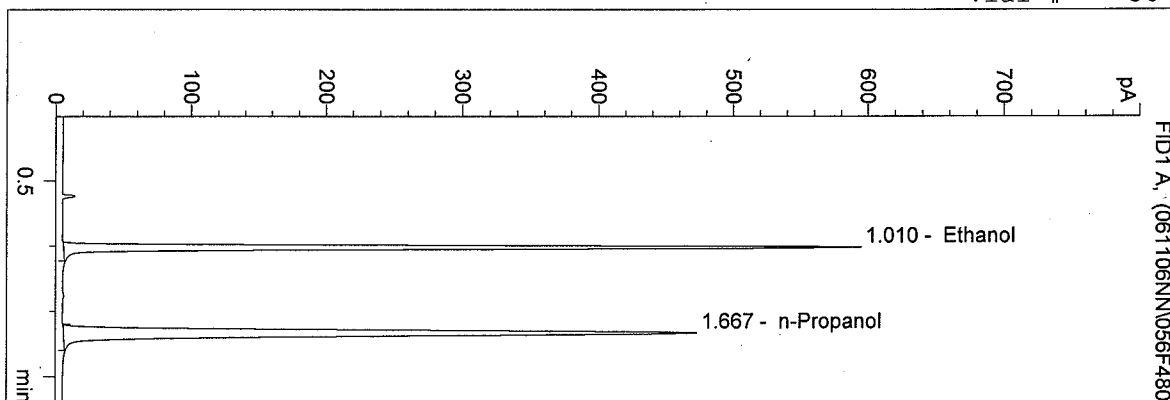


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 11/6/2006 5:39:17 PM  
 Instrument 4  
 DB-ALC1

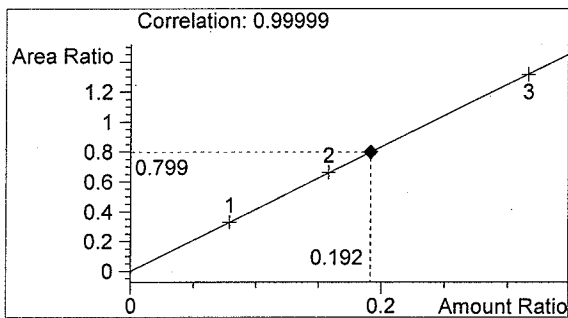
06042 QA-3  
 N Nuwayhid, PhD

vial # 56

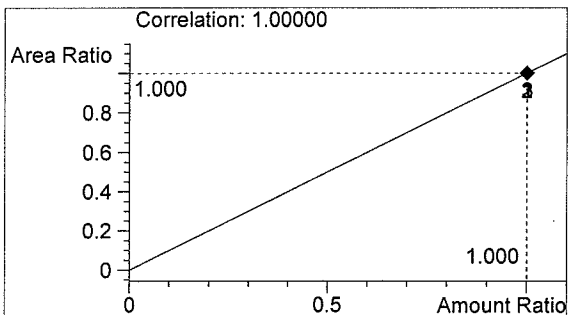


#	Compound	Area	RT
1	Ethanol	1168	1.010
2	n-Propanol	1461	1.667

Totals:



Ethanol 0.192 g/100ml

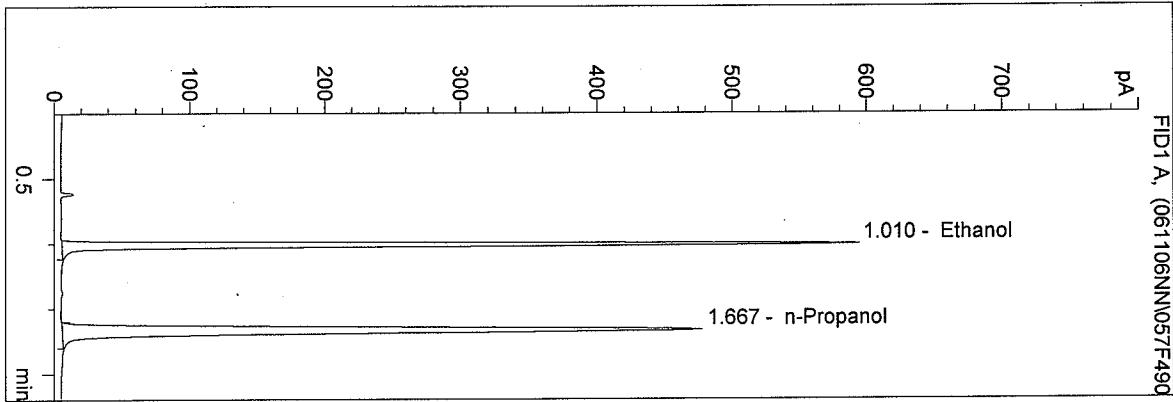


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 11/6/2006 5:42:34 PM  
 Instrument 4  
 DB-ALC1

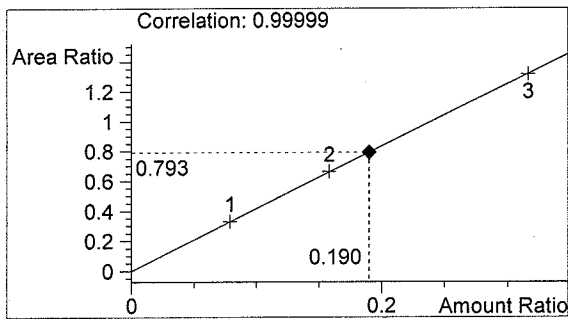
06042 QA-4  
 N Nuwayhid, PhD

vial # 57

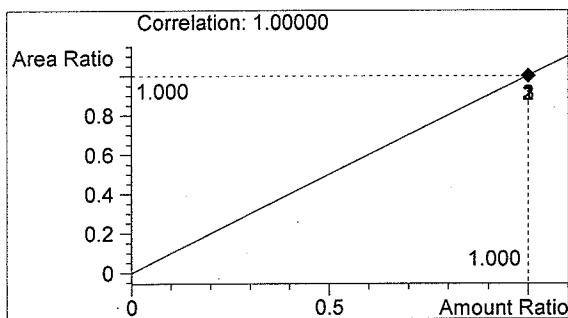


#	Compound	Area	RT
1	Ethanol	1173	1.010
2	n-Propanol	1480	1.667

Totals:



Ethanol 0.190 g/100ml

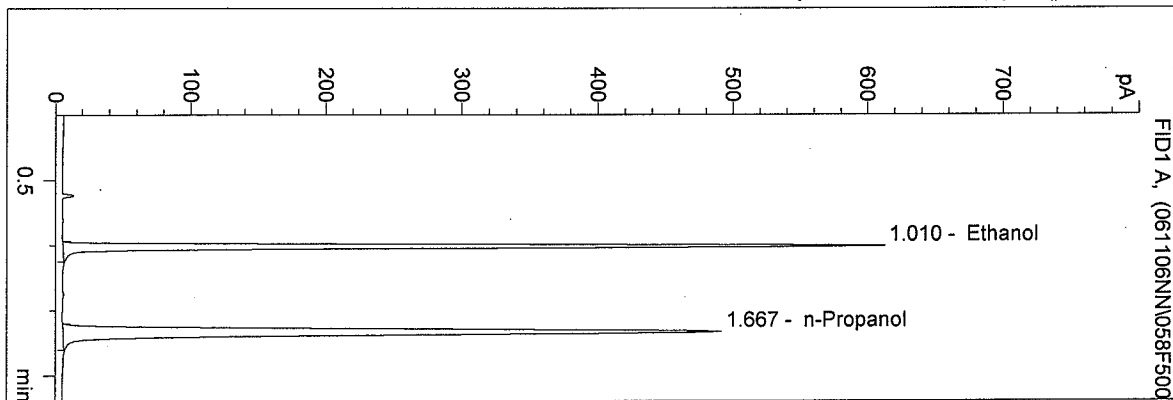


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 11/6/2006 5:45:48 PM  
 Instrument 4  
 DB-ALC1

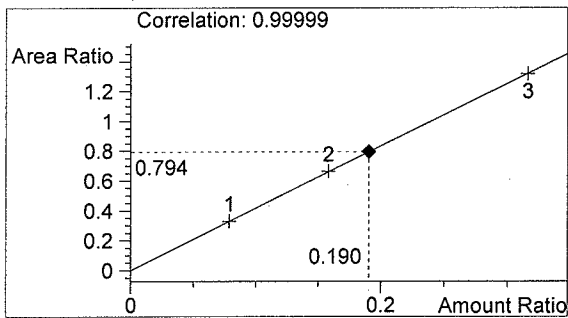
06042 QA-5  
 N Nuwayhid, PhD

vial # 58

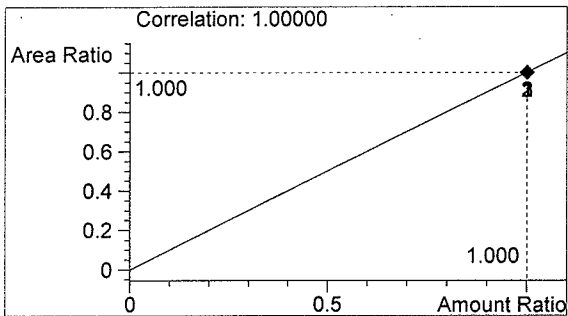


#	Compound	Area	RT
1	Ethanol	1208	1.010
2	n-Propanol	1522	1.667

Totals:



Ethanol 0.190 g/100ml

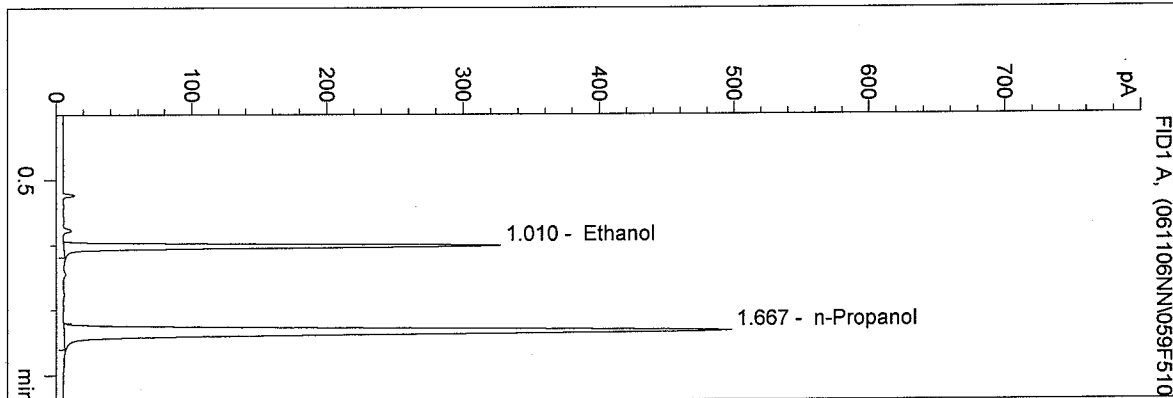


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 11/6/2006 5:48:59 PM  
 Instrument 4  
 DB-ALC1

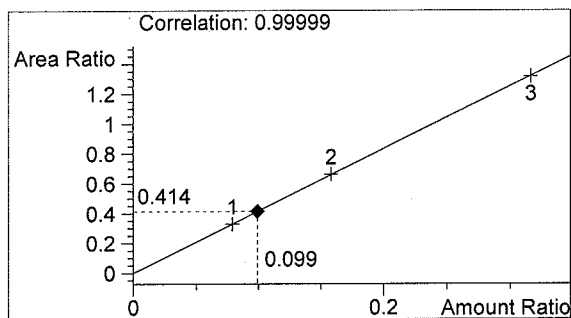
0.10 Ctrl-NN  
 N Nuwayhid, PhD

vial # 59

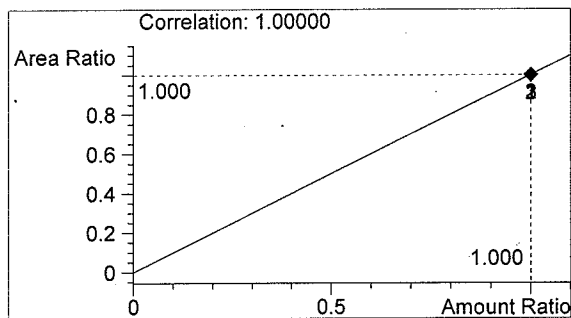


#	Compound	Area	RT
1	Ethanol	638	1.010
2	n-Propanol	1542	1.667

Totals:



Ethanol 0.099 g/100ml

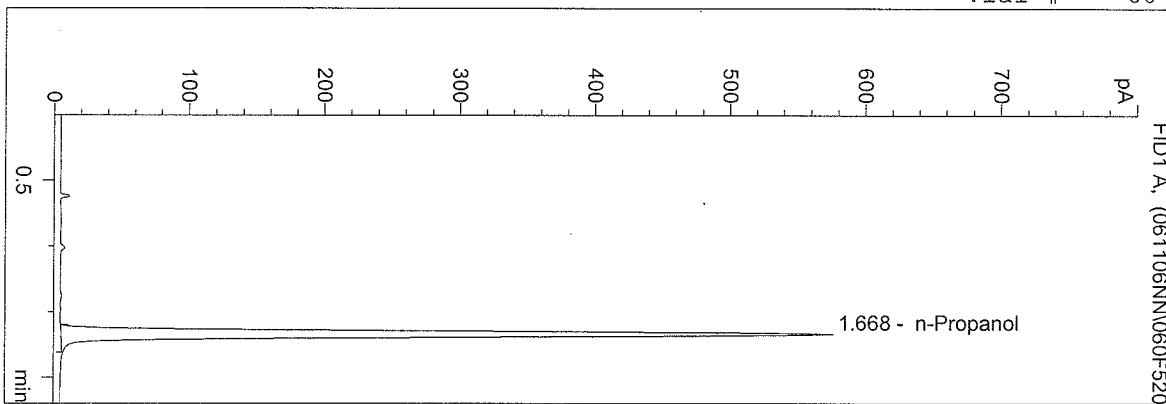


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
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 Instrument 4  
 DB-ALC1

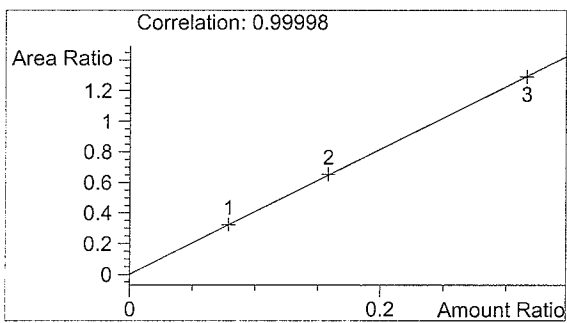
Blank  
 N Nuwayhid, PhD

vial # 60

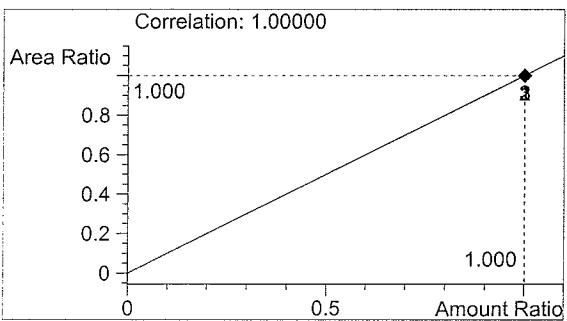


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1791	1.668

Totals:



Ethanol 0.000 g/100ml

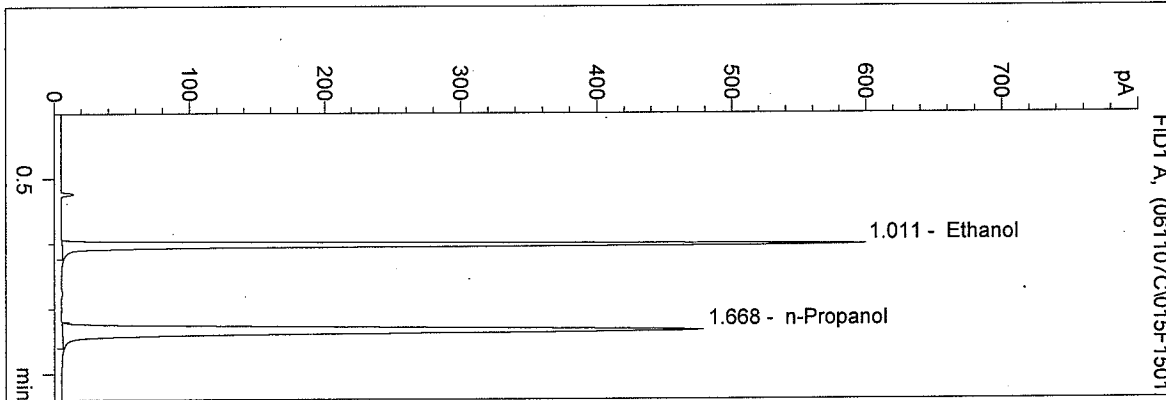


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 11/7/2006 10:17:54 AM  
 Instrument 4  
 DB-ALC1

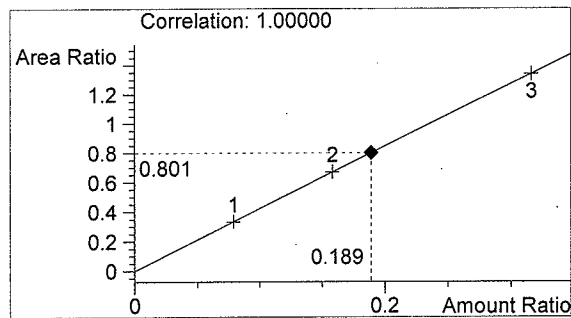
06042-EF  
 SIMULATOR SOLUTION

vial # 15

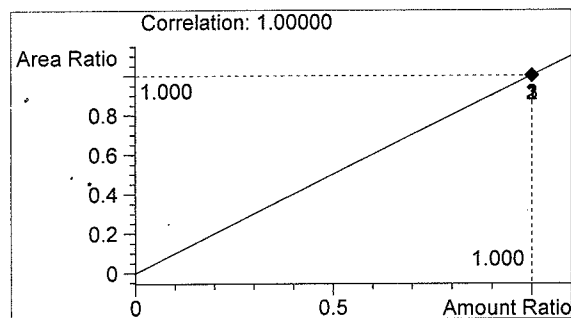


#	Compound	Area	RT
1	Ethanol	1187	1.011
2	n-Propanol	1482	1.668

Totals:



Ethanol 0.189 g/100ml

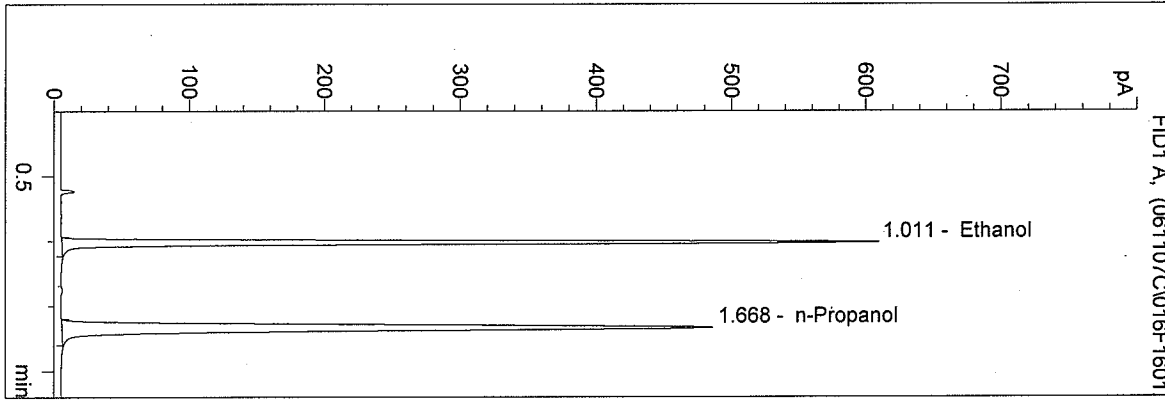


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 11/7/2006 10:21:09 AM  
 Instrument 4  
 DB-ALC1

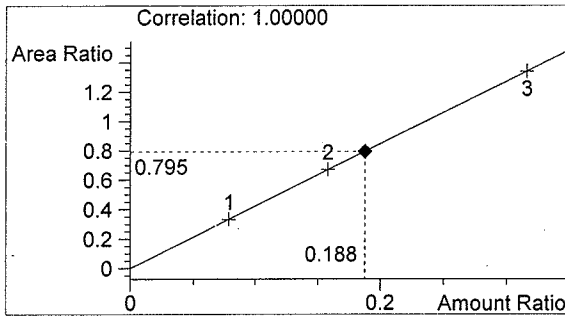
06042-EF  
 SIMULATOR SOLUTION

vial # 16

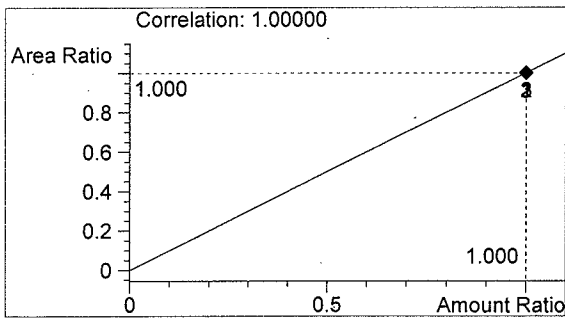


#	Compound	Area	RT
1	Ethanol	1197	1.011
2	n-Propanol	1506	1.668

Totals:



Ethanol 0.188 g/100ml



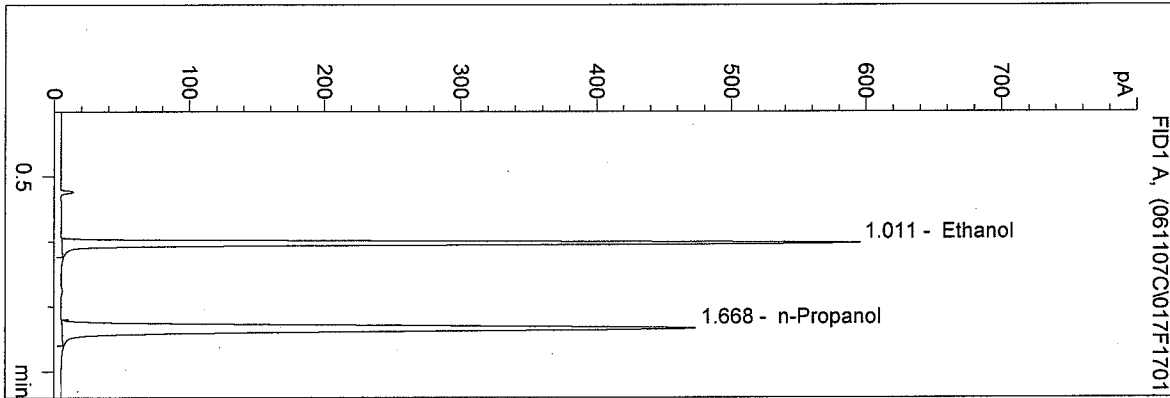
n-Propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO.M  
 11/7/2006 10:24:19 AM  
 Instrument 4  
 DB-ALC1

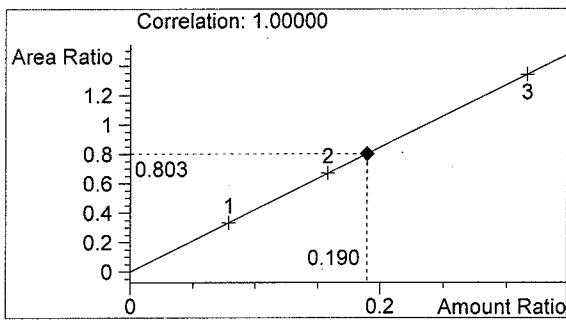
06042-EF  
 SIMULATOR SOLUTION

vial # 17

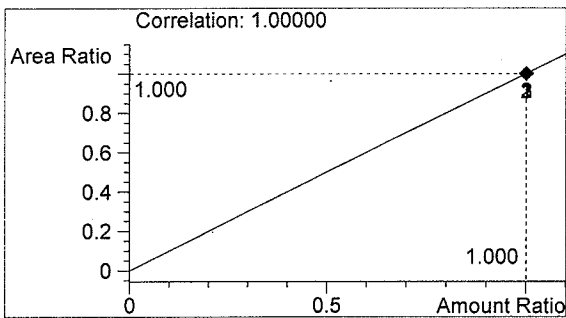


#	Compound	Area	RT
1	Ethanol	1178	1.011
2	n-Propanol	1467	1.668

Totals:



Ethanol 0.190 g/100ml

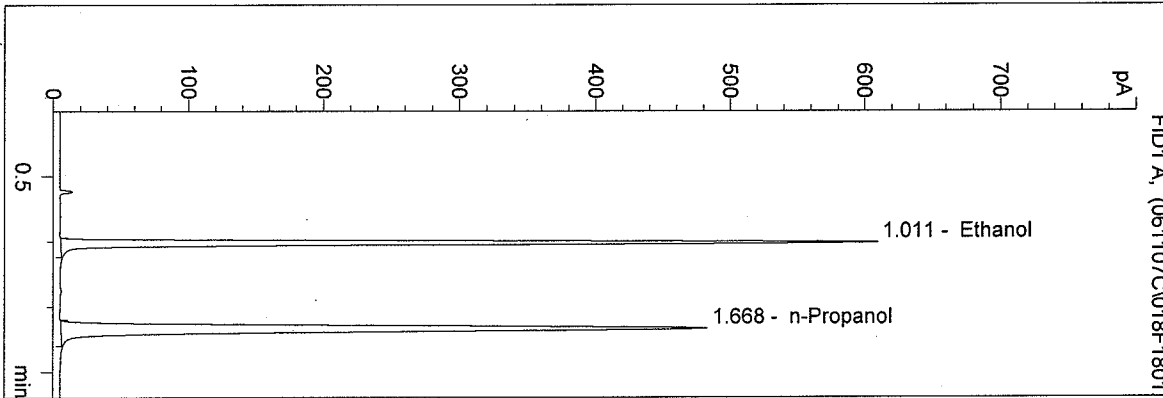


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 11/7/2006 10:27:29 AM  
 Instrument 4  
 DB-ALC1

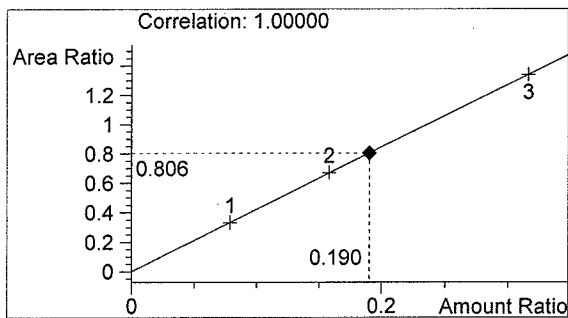
06042-EF  
 SIMULATOR SOLUTION

vial # 18

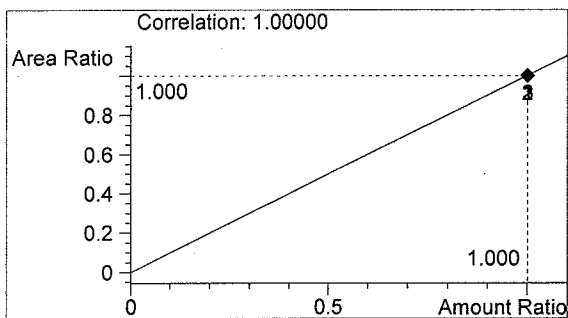


#	Compound	Area	RT
1	Ethanol	1208	1.011
2	n-Propanol	1498	1.668

Totals:



Ethanol 0.190 g/100ml

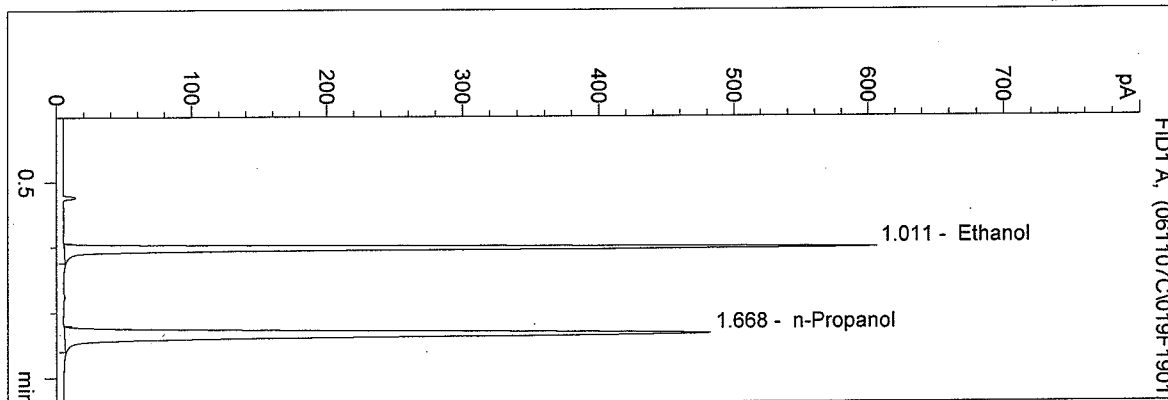


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
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 Instrument 4  
 DB-ALC1

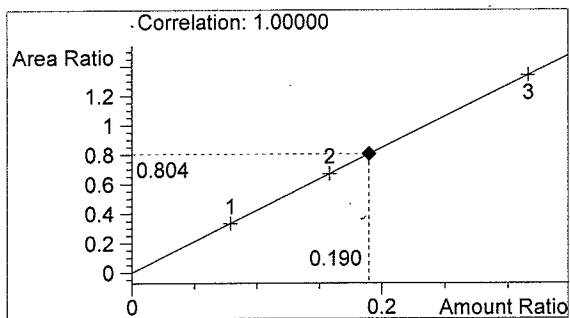
06042-EF  
 SIMULATOR SOLUTION

vial # 19

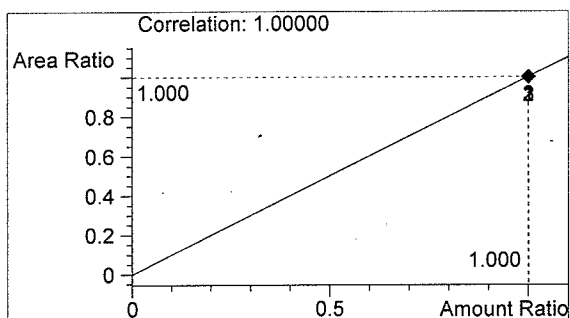


#	Compound	Area	RT
1	Ethanol	1204	1.011
2	n-Propanol	1496	1.668

Totals:



Ethanol 0.190 g/100ml

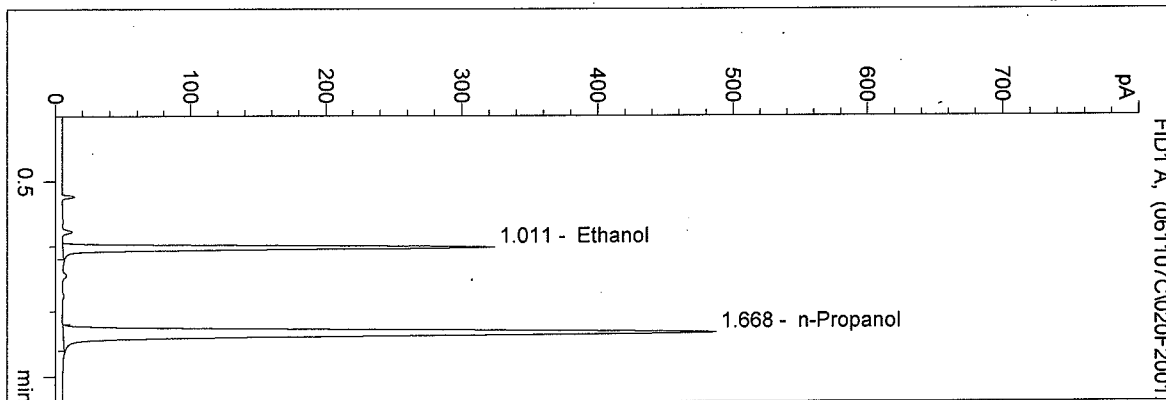


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
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 Instrument 4  
 DB-ALC1

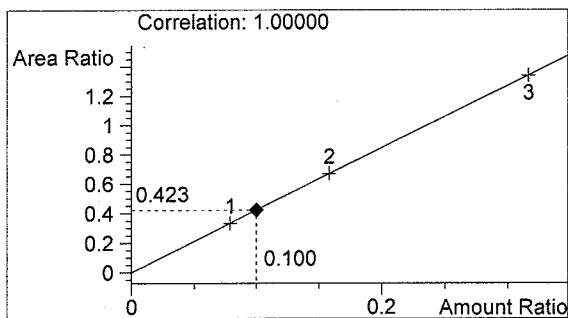
0.10 CON-EF  
 SIMULATOR SOLUTION

vial # 20

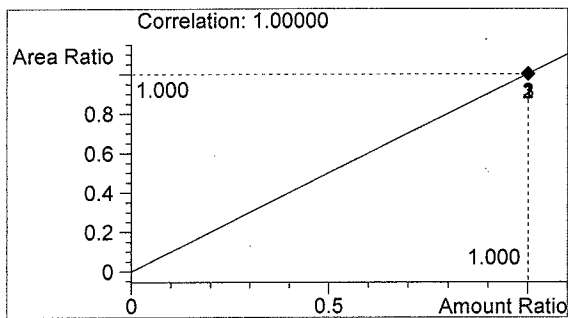


#	Compound	Area	RT
1	Ethanol	641	1.011
2	n-Propanol	1513	1.668

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml