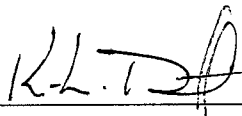


## Notice of Simulator Solution File Review

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.



10/15/2007

Tpr. Ken Denton

Date



10-15-07

Rod G. Gullberg

Date

Washington State Toxicology Laboratory  
Simulator Solution Data Entry Review Form

Reviewer KEVIN DENTON / ROB GULLBERG Date 10-10-07  
Location TOX LAB SEATTLE Batch Number 05005

Form Review Criteria

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

**Computations:**

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

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

Corrections Necessary:

RESULT # 5 FOR KAREN G. INCORRECT

Comments:

Reviewer Signature: [Signature] Date: 10-10-07  
Reviewer Signature: [Signature] Date: 10/10/2007

**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 **05005**

Date: 1/7/2005

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	Anal 10	Anal 11	Anal 12
1	0.189	0.189	0.185									
2	0.190	0.191	0.185									
3	0.189	0.191	0.186									
4	0.191	0.191	0.185		<i>12.8</i>							
5	0.189	0.190	<del>0.185</del>	0.186		<i>10-11-07</i>						
Ctrl	0.101	0.100	0.099									

*RLL*

**External Control:**

Lot #: A028603 Exp date: 12/07

Target concentration: 0.10 g/100mL

*0.1533*

**Equivalent vapor concent.:** 0.1532 g/210L

**Statistics:**

Avg. solution concent.: *0.1885* *10-11-07*  
~~0.1884~~ g/100 mL

SD: ~~0.00247~~ *0.00239*

Range (3xSD): ~~0.1810~~ to ~~0.1958~~ *0.1957*

Precision CV (%): ~~1.3125~~ %

*1.2600*

Analyst	Name	Signature	Date
1	Estuardo J. Miranda	<i>[Signature]</i>	01/07/2005
2	Brian Capron	<i>[Signature]</i>	01/10/2005
3	Kari Gruendell	<i>[Signature]</i>	01/11/2005
4			
5			
6			
7			
8			
9			
10			
11			
12			

Prepared by: Estuardo J. Miranda according to the approved protocol



STATE OF WASHINGTON  
 WASHINGTON STATE PATROL  
 WASHINGTON STATE TOXICOLOGY LABORATORY  
 2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

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 DataMaster 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 six years experience in Forensic Toxicology.

The quality assurance solution, Lot Number 05005 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was ~~0.1884~~ grams per 100ml.

EM 10-15-2007  
 0.1885  
 EM  
 10-15-2007

Dated: 1/24/05  
 Seattle, WA

Estuardo J. Miranda  
 Forensic Toxicologist

EM/la  
 EMQA

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.

10-15-2007





STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY  
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION

I, Brian Capron, do certify under penalty of perjury as follows:

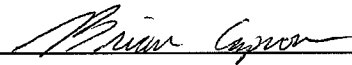
I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology and eight years of experience in forensic toxicology.

The quality assurance solution, Lot Number 05005, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was ~~0.1884~~ grams per 100ml.


0.1885  
BC 10-11-07

Dated: 1/24/05  
Seattle, WA

  
\_\_\_\_\_  
Brian Capron  
Forensic Toxicologist

BC/la  
BCQA

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.

 10-11-07





STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION

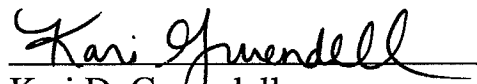
I, Kari D. Gruendell, do certify under penalty of perjury as follows:

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

I possess the following qualifications: BS degree in Biology and a minor in Chemistry and two years of analytical laboratory experience.

The quality assurance solution, Lot Number 05005, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1884 grams per 100ml.

Dated: 1/24/05  
Seattle, WA

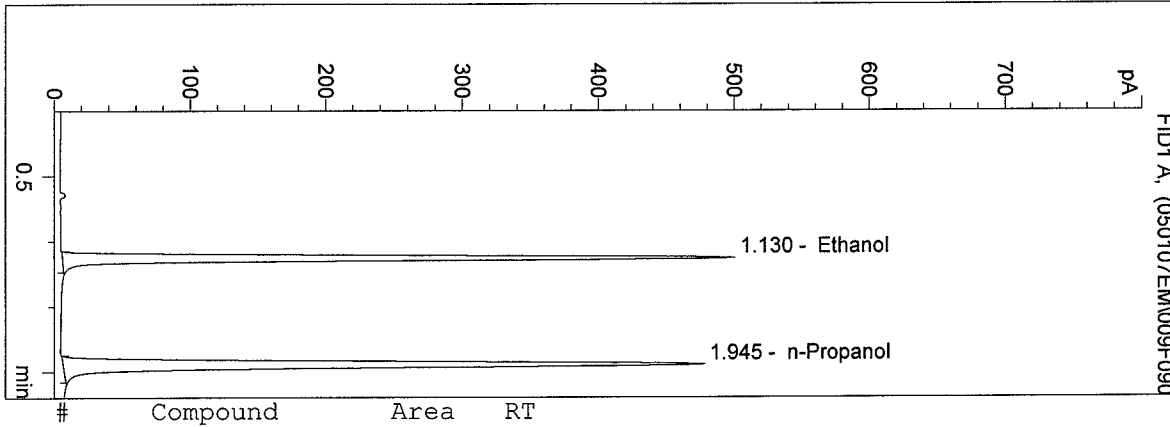
  
Kari D. Gruendell  
Forensic Toxicologist

KDG/la  
KDGQA

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 1/7/2005 3:38:39 PM  
 Instrument 5  
 DB-ALC2

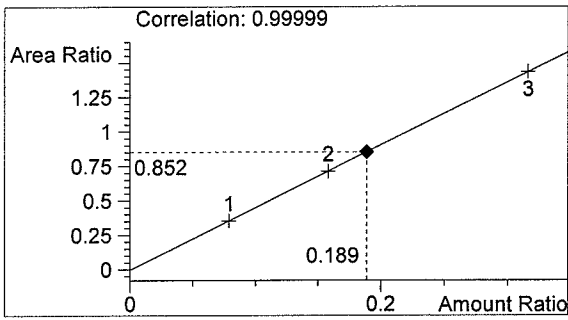
Q.A. Sol 05005-1  
 Estuardo J. Miranda

vial # 9

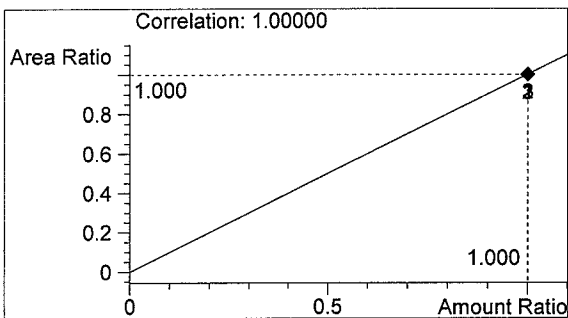


#	Compound	Area	RT
1	Ethanol	1334	1.130
2	n-Propanol	1566	1.945

Totals:



Ethanol 0.189 g/100ml

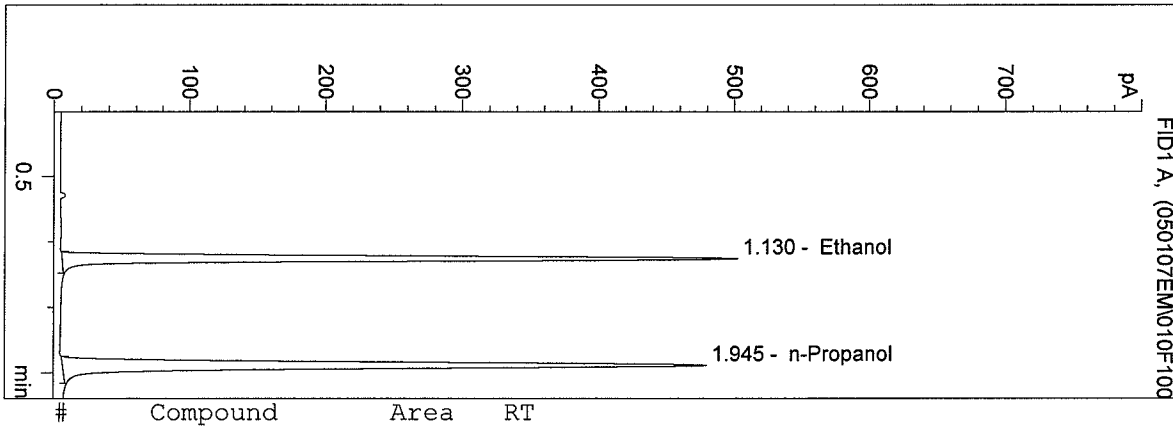


n-Propanol 1.000 g/100ml

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 1/7/2005 3:41:34 PM  
 Instrument 5  
 DB-ALC2

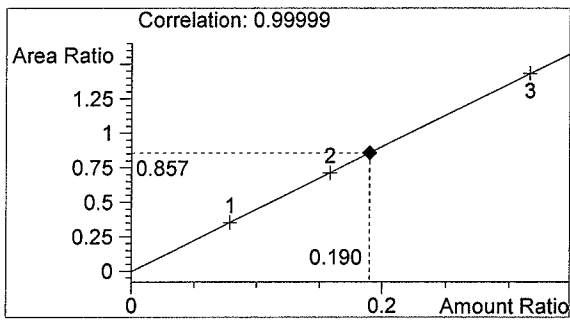
Q.A. Sol 05005-2  
 Estuardo J. Miranda

vial # 10

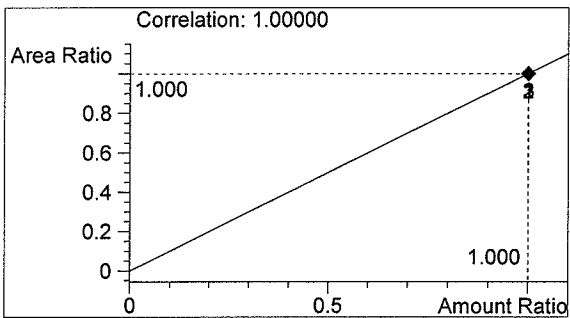


#	Compound	Area	RT
1	Ethanol	1358	1.130
2	n-Propanol	1584	1.945

Totals:



Ethanol 0.190 g/100ml



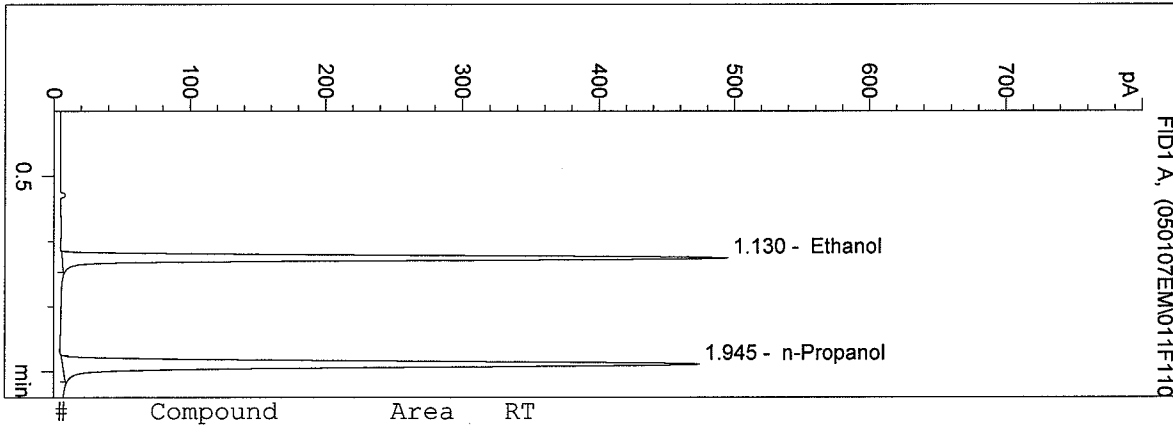
n-Propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/7/2005 3:44:33 PM  
 Instrument 5  
 DB-ALC2

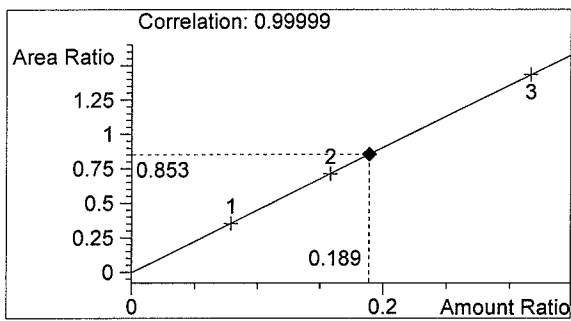
Q.A. Sol 05005-3  
 Estuardo J. Miranda

vial # 11

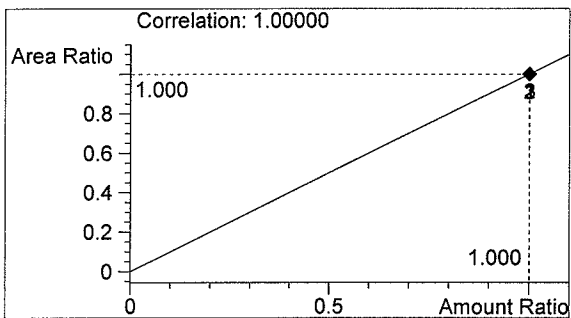


#	Compound	Area	RT
1	Ethanol	1334	1.130
2	n-Propanol	1564	1.945

Totals:



Ethanol 0.189 g/100ml

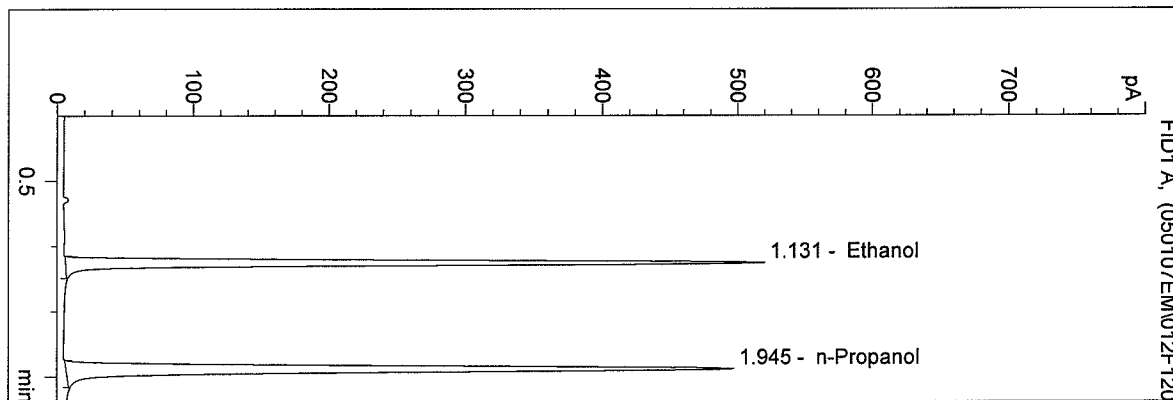


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/7/2005 3:47:13 PM  
 Instrument 5  
 DB-ALC2

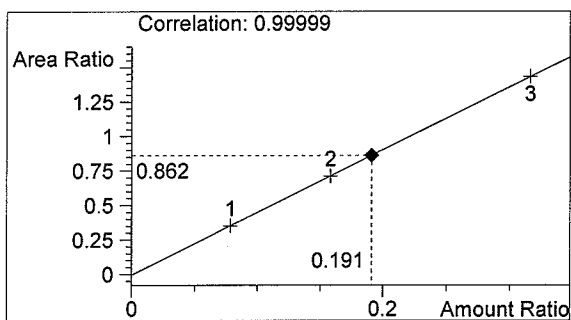
Q.A. Sol 05005-4  
 Estuardo J. Miranda

vial # 12

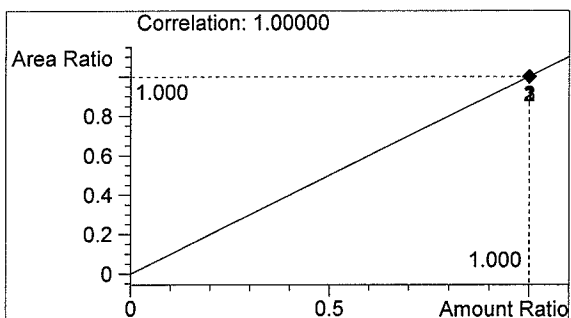


#	Compound	Area	RT
1	Ethanol	1417	1.131
2	n-Propanol	1643	1.945

Totals:



Ethanol 0.191 g/100ml

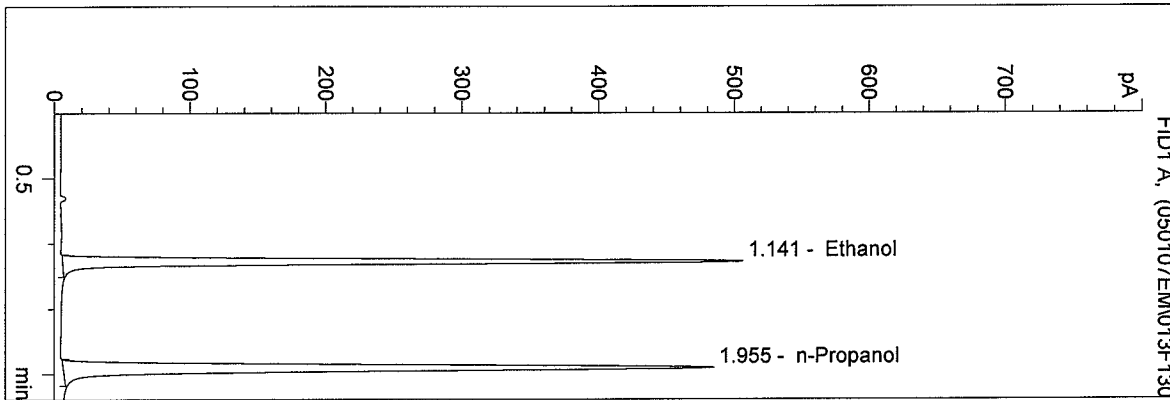


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
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 Instrument 5  
 DB-ALC2

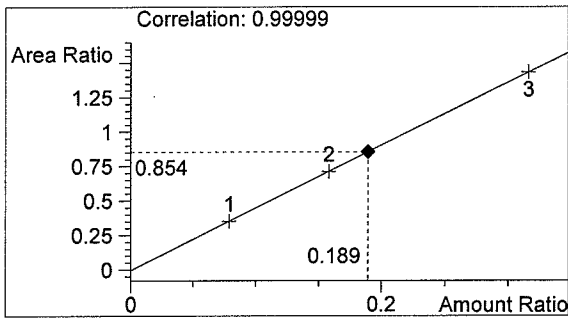
Q.A. Sol 05005-5  
 Estuardo J. Miranda

vial # 13

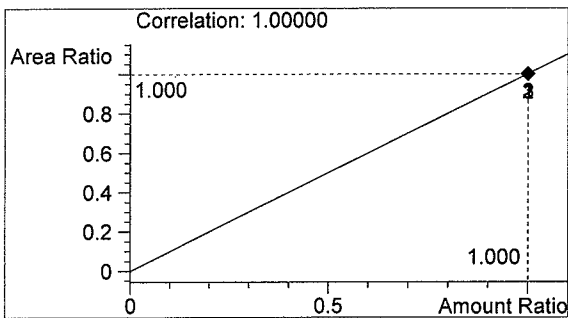


#	Compound	Area	RT
1	Ethanol	1368	1.141
2	n-Propanol	1601	1.955

Totals:



Ethanol 0.189 g/100ml

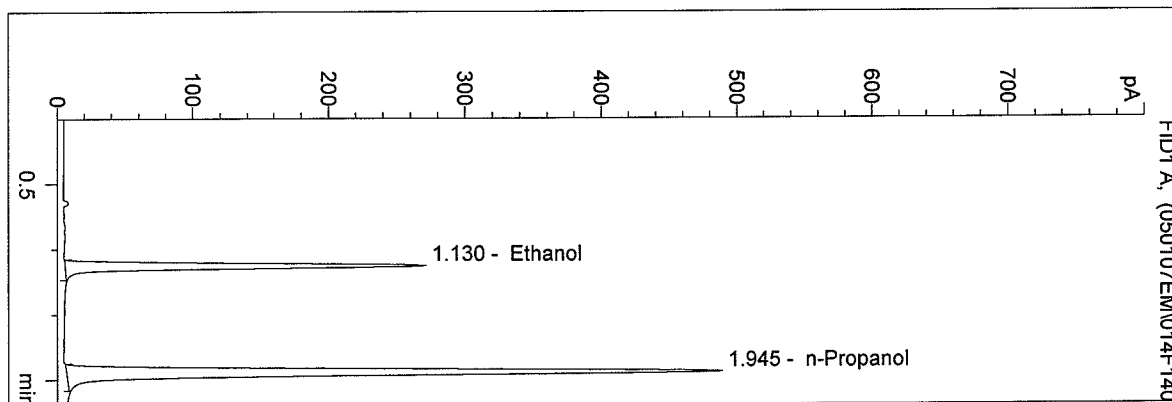


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/7/2005 3:53:39 PM  
 Instrument 5  
 DB-ALC2

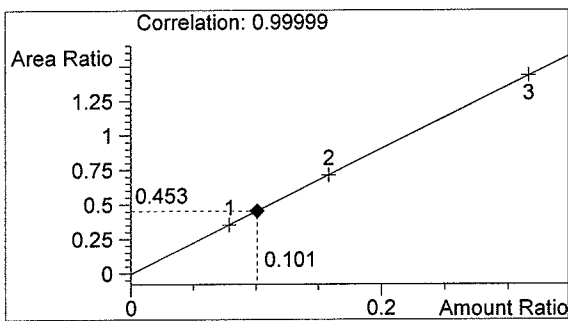
0.100 Control EM  
 Estuardo J. Miranda

vial # 14

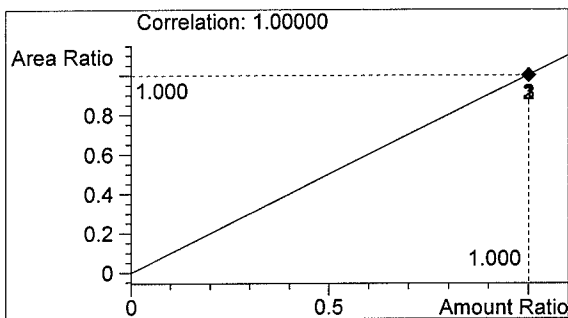


#	Compound	Area	RT
1	Ethanol	732	1.130
2	n-Propanol	1615	1.945

Totals:



Ethanol 0.101 g/100ml

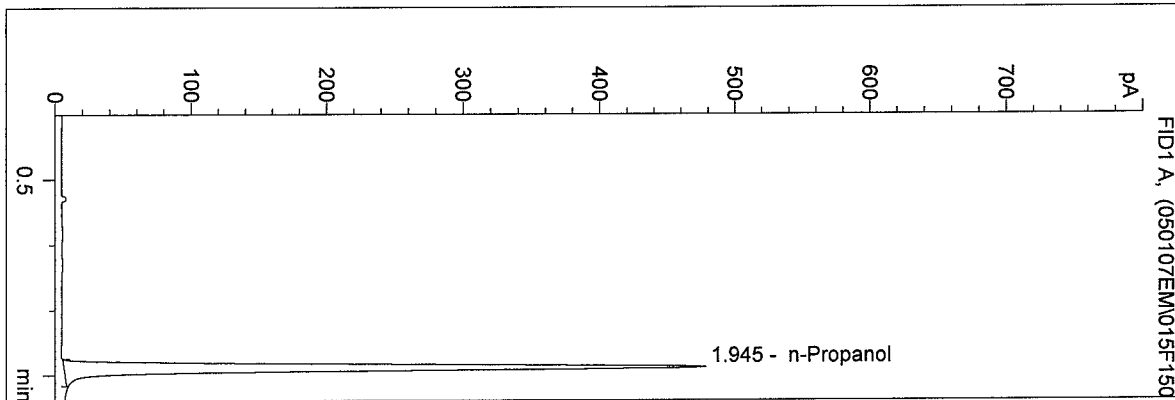


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
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 Instrument 5  
 DB-ALC2

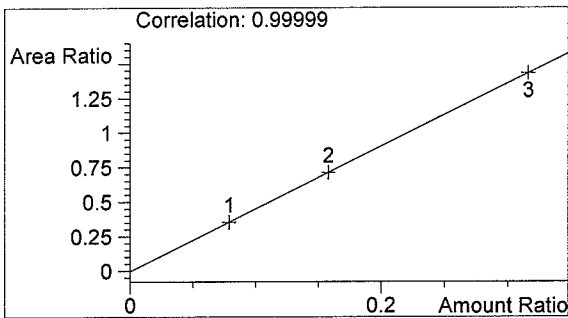
Blank  
 Estuardo J. Miranda

vial # 15

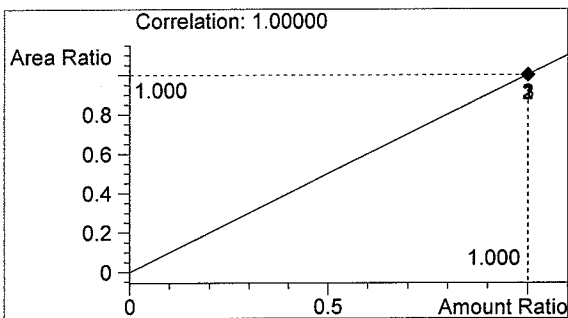


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1571	1.945

Totals:



Ethanol 0.000 g/100ml

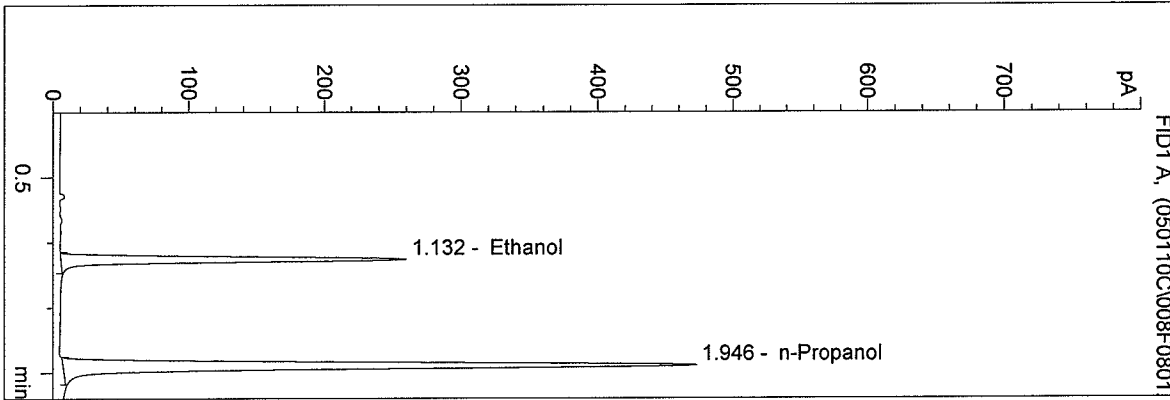


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/10/2005 1:05:53 PM  
 Instrument 5  
 DB-ALC2

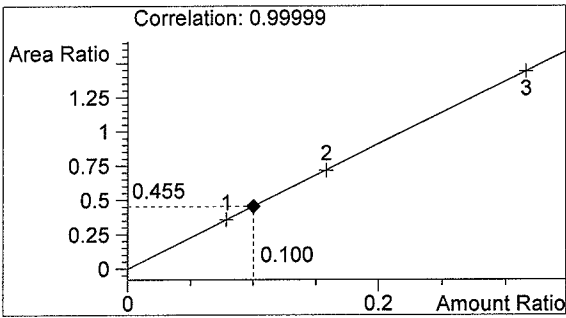
0.10 control  
 bcapron

vial # 8

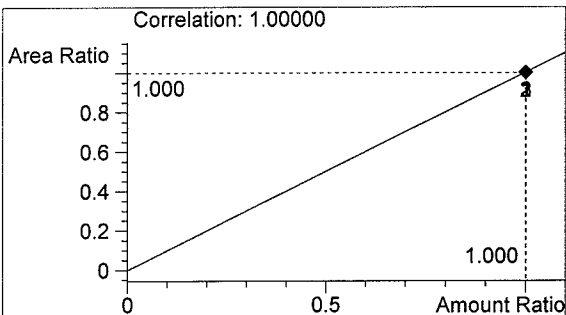


#	Compound	Area	RT
1	Ethanol	718	1.132
2	n-Propanol	1579	1.946

Totals:



Ethanol 0.100 g/100ml

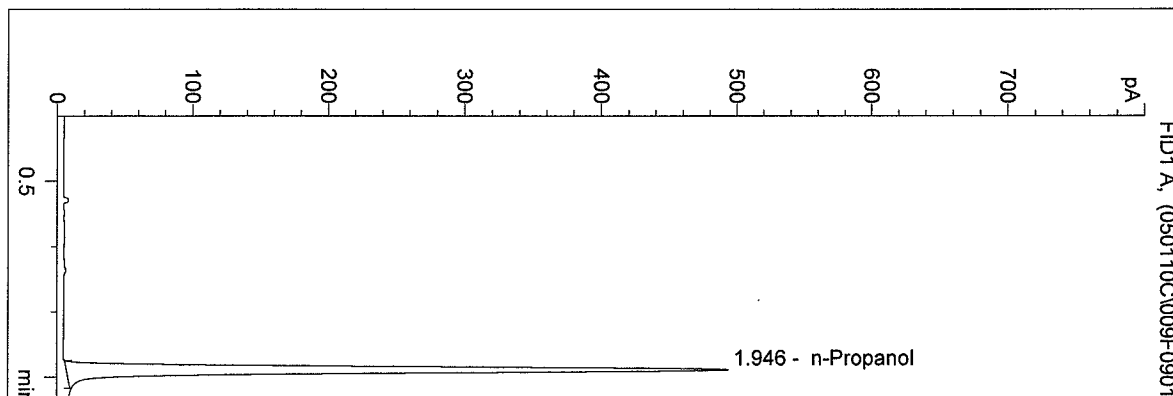


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/10/2005 1:09:17 PM  
 Instrument 5  
 DB-ALC2

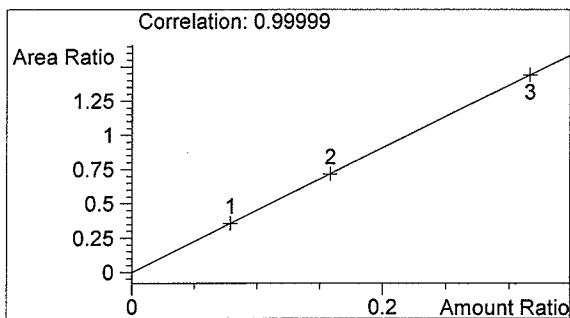
blank  
 bcapron

vial # 9

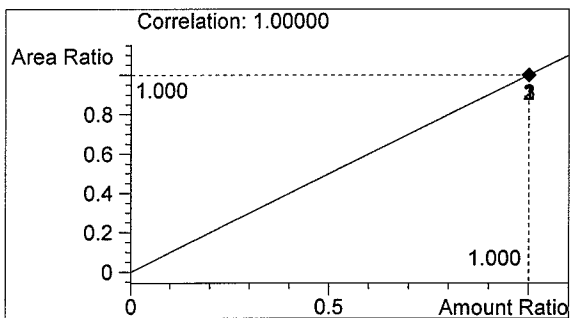


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1653	1.946

Totals:



Ethanol 0.000 g/100ml

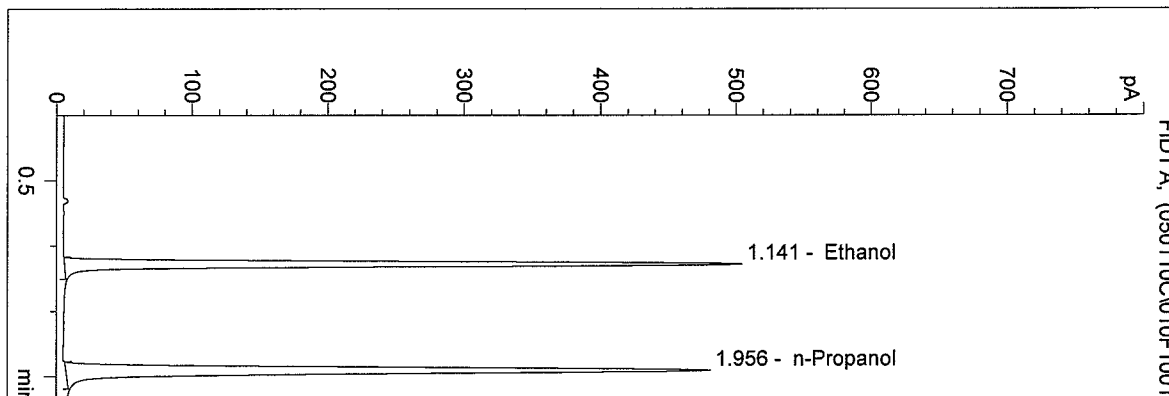


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/10/2005 1:12:13 PM  
 Instrument 5  
 DB-ALC2

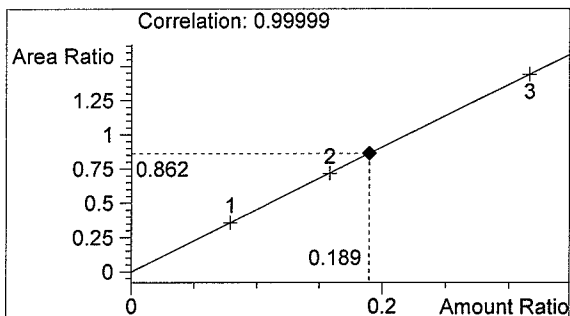
05005  
 bcapron

vial # 10

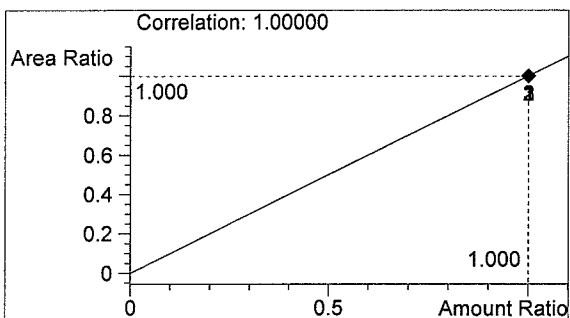


#	Compound	Area	RT
1	Ethanol	1362	1.141
2	n-Propanol	1580	1.956

Totals:



Ethanol 0.189 g/100ml



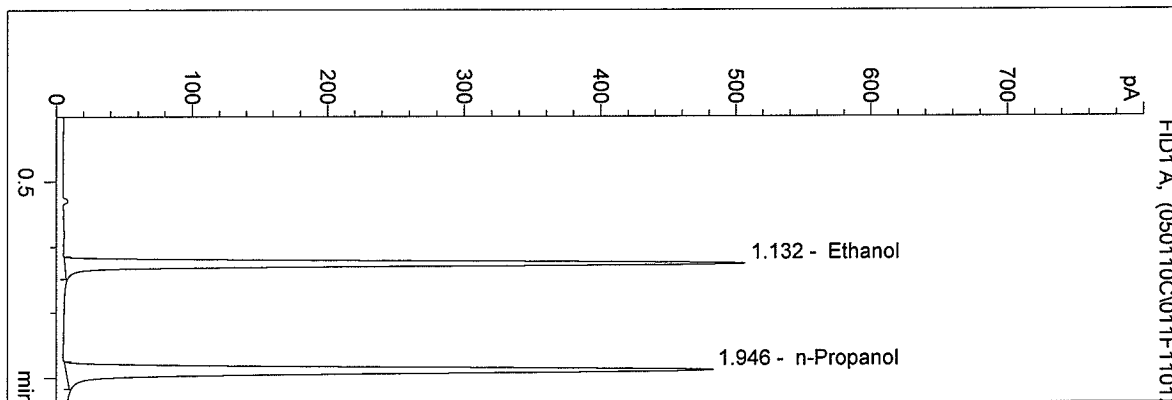
n-Propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/10/2005 1:15:11 PM  
 Instrument 5  
 DB-ALC2

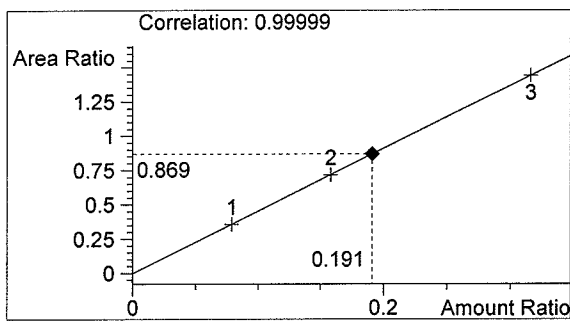
05005  
 bcapron

vial # 11

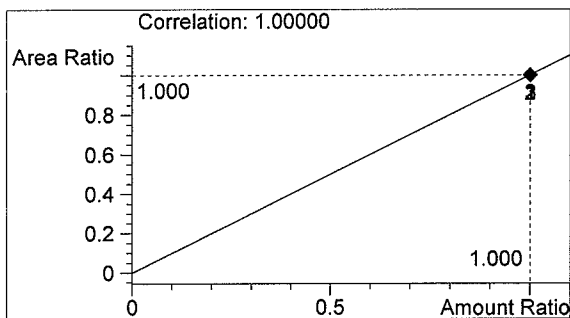


#	Compound	Area	RT
1	Ethanol	1404	1.132
2	n-Propanol	1616	1.946

Totals:



Ethanol 0.191 g/100ml

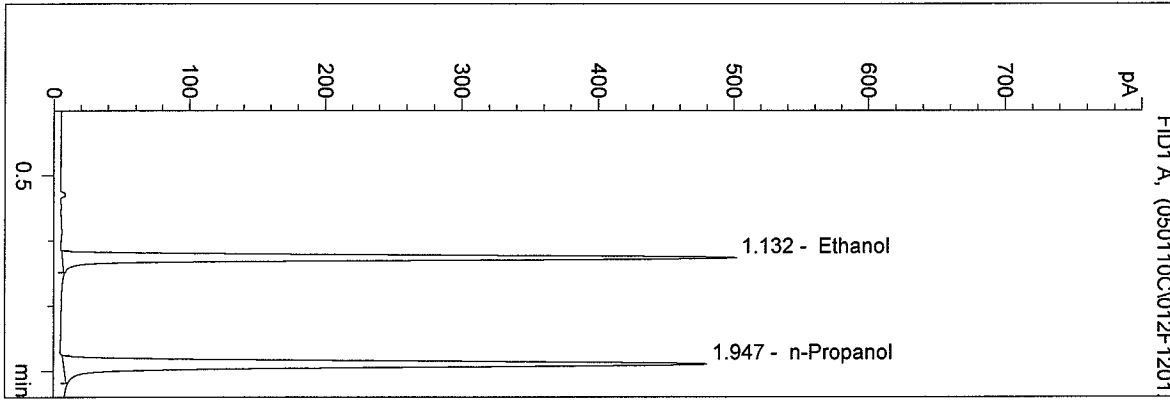


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/10/2005 1:17:53 PM  
 Instrument 5  
 DB-ALC2

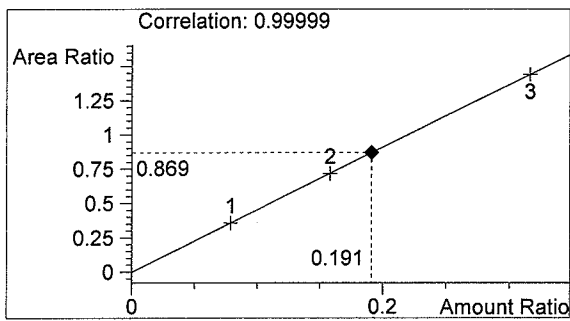
05005  
 bcapron

vial # 12

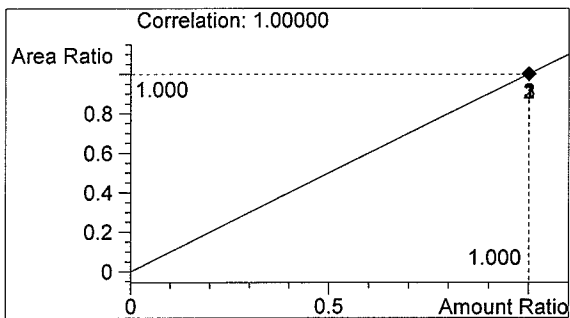


#	Compound	Area	RT
1	Ethanol	1396	1.132
2	n-Propanol	1606	1.947

Totals:



Ethanol 0.191 g/100ml

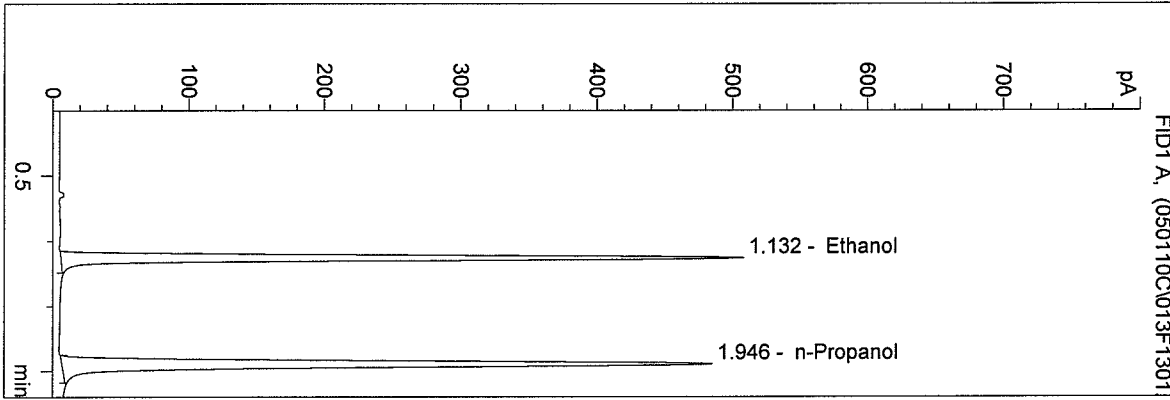


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/10/2005 1:21:06 PM  
 Instrument 5  
 DB-ALC2

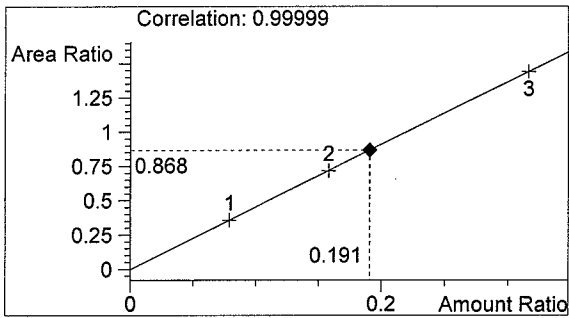
05005  
 bcapron

vial # 13

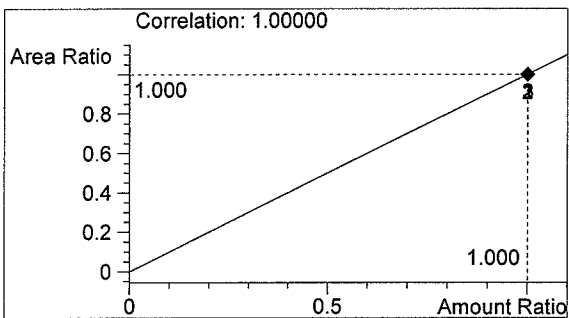


#	Compound	Area	RT
1	Ethanol	1414	1.132
2	n-Propanol	1629	1.946

Totals:



Ethanol 0.191 g/100ml

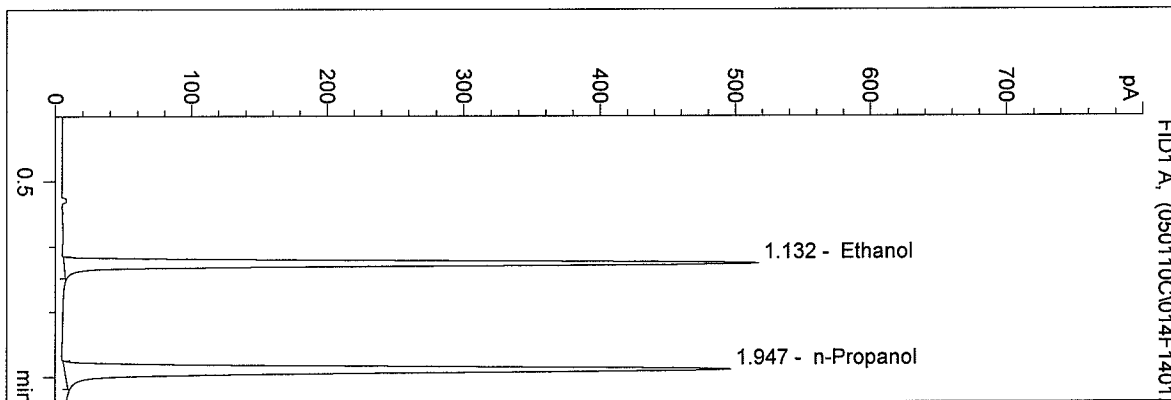


n-Propanol 1.000 g/100ml

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 1/10/2005 1:24:11 PM  
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 DB-ALC2

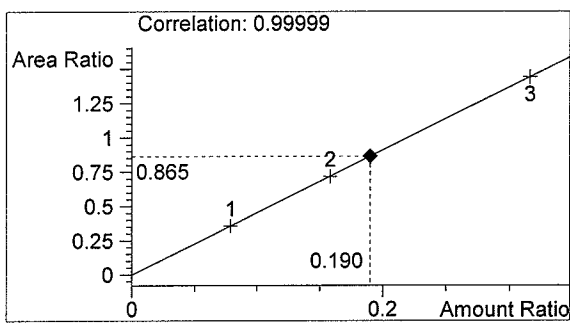
05005  
 bcapron

vial # 14

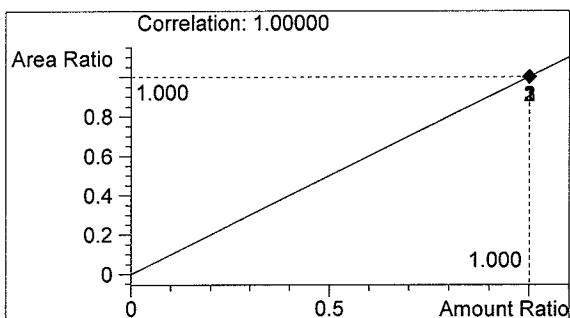


#	Compound	Area	RT
1	Ethanol	1445	1.132
2	n-Propanol	1671	1.947

Totals:



Ethanol 0.190 g/100ml

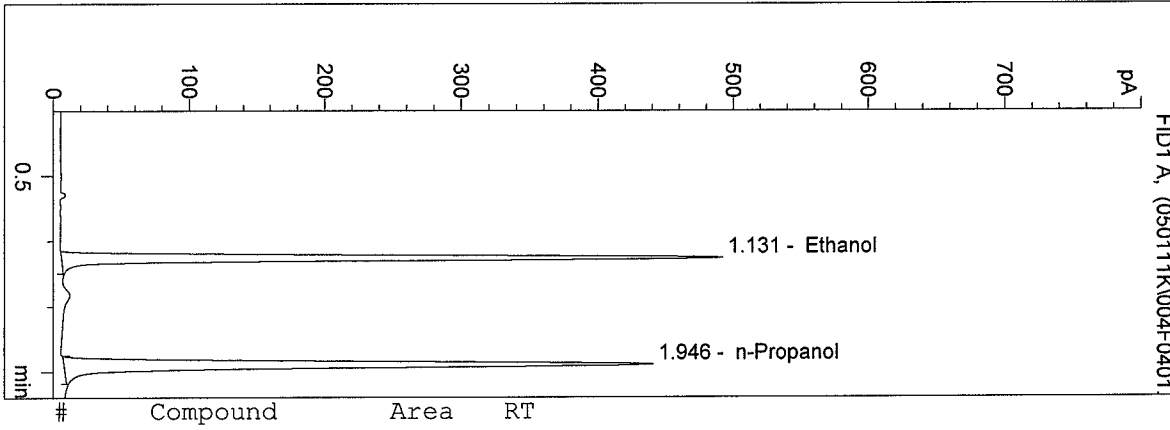


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/11/2005 3:47:28 PM  
 Instrument 5  
 DB-ALC2

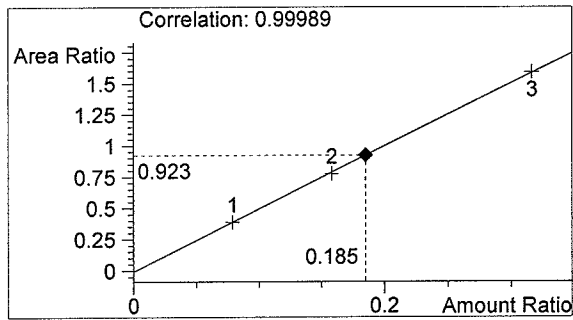
05005 QA #1  
 Kari Gruendell

vial # 4

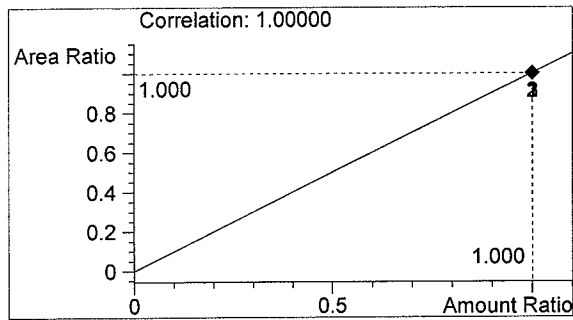


#	Compound	Area	RT
1	Ethanol	1358	1.131
2	n-Propanol	1471	1.946

Totals:



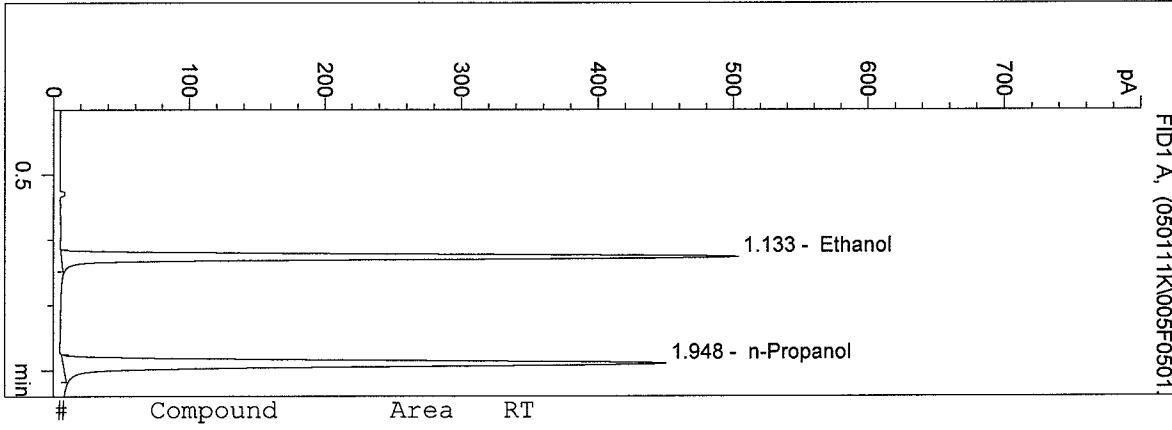
Ethanol 0.185 g/100ml



n-Propanol 1.000 g/100ml

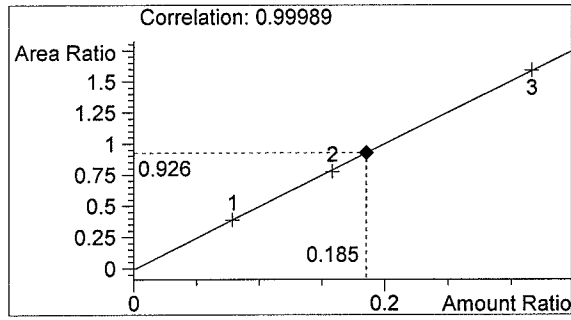
D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/11/2005 3:50:57 PM  
 Instrument 5  
 DB-ALC2

05005 QA #2  
 Kari Gruendell  
 vial # 5

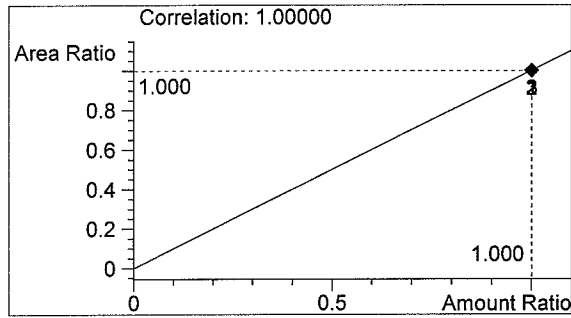


#	Compound	Area	RT
1	Ethanol	1395	1.133
2	n-Propanol	1507	1.948

Totals:



Ethanol 0.185 g/100ml

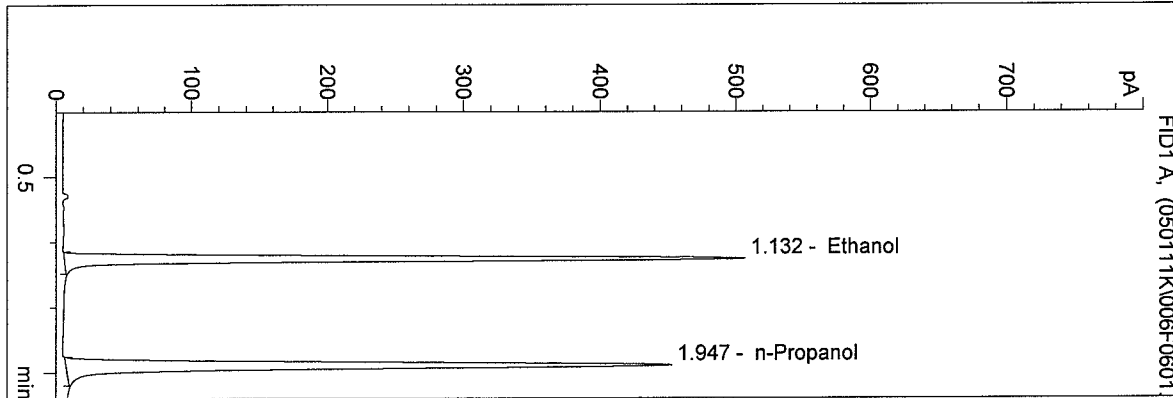


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/11/2005 3:53:57 PM  
 Instrument 5  
 DB-ALC2

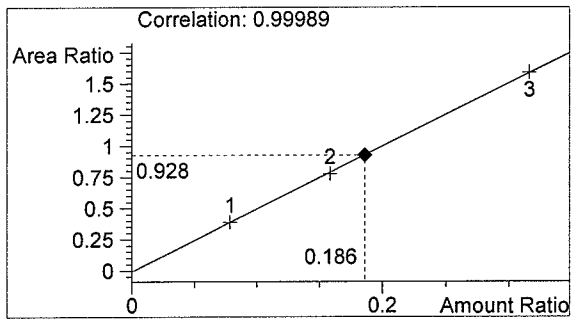
05005 QA #3  
 Kari Gruendell

vial # 6

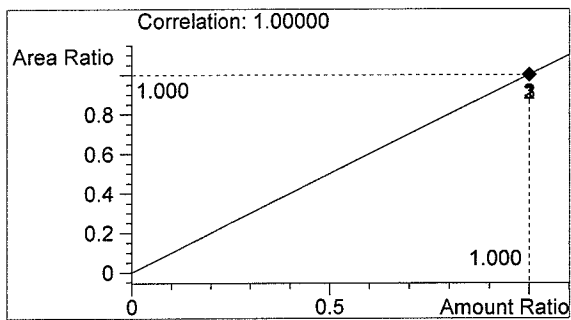


#	Compound	Area	RT
1	Ethanol	1410	1.132
2	n-Propanol	1520	1.947

Totals:



Ethanol 0.186 g/100ml

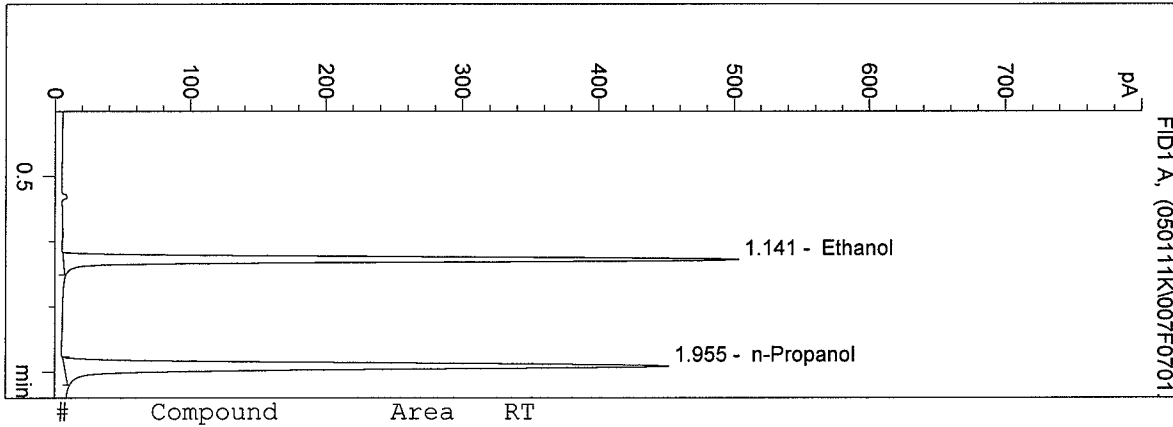


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/11/2005 3:56:39 PM  
 Instrument 5  
 DB-ALC2

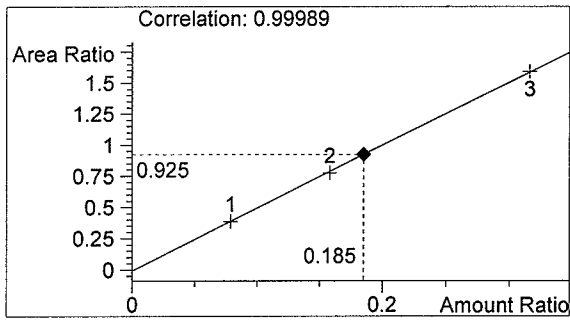
05005 QA #4  
 Kari Gruendell

vial # 7

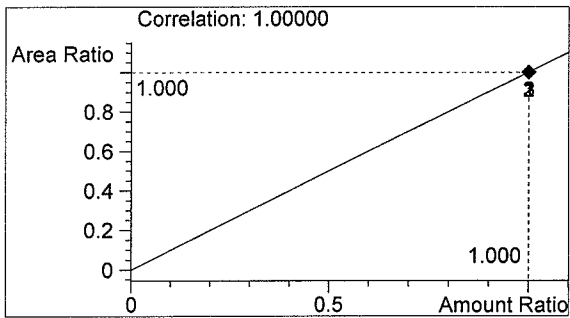


#	Compound	Area	RT
1	Ethanol	1403	1.141
2	n-Propanol	1517	1.955

Totals:



Ethanol 0.185 g/100ml

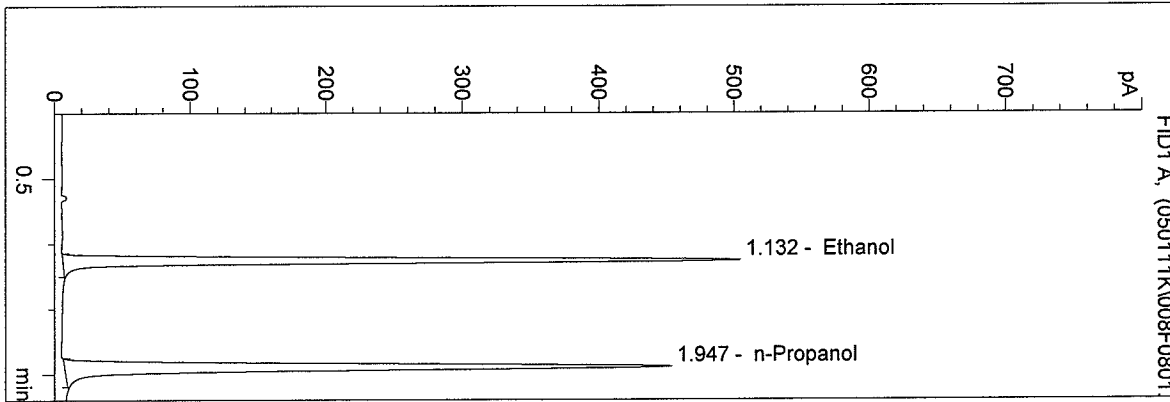


n-Propanol 1.000 g/100ml



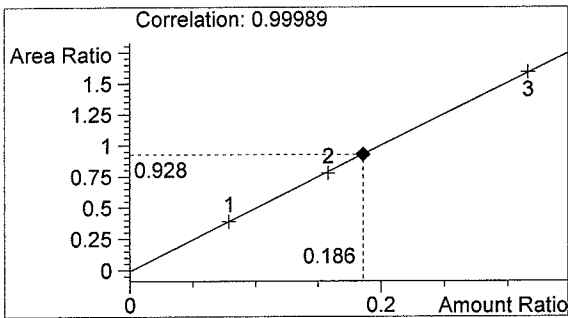
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 1/11/2005 3:59:22 PM  
 Instrument 5  
 DB-ALC2

05005 QA #5  
 Kari Gruendell  
 vial # 8

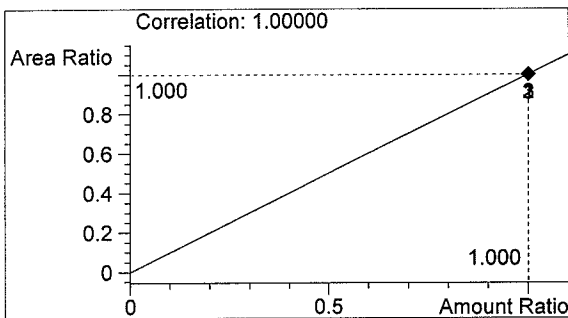


#	Compound	Area	RT
1	Ethanol	1418	1.132
2	n-Propanol	1527	1.947

Totals:



Ethanol 0.186 g/100ml

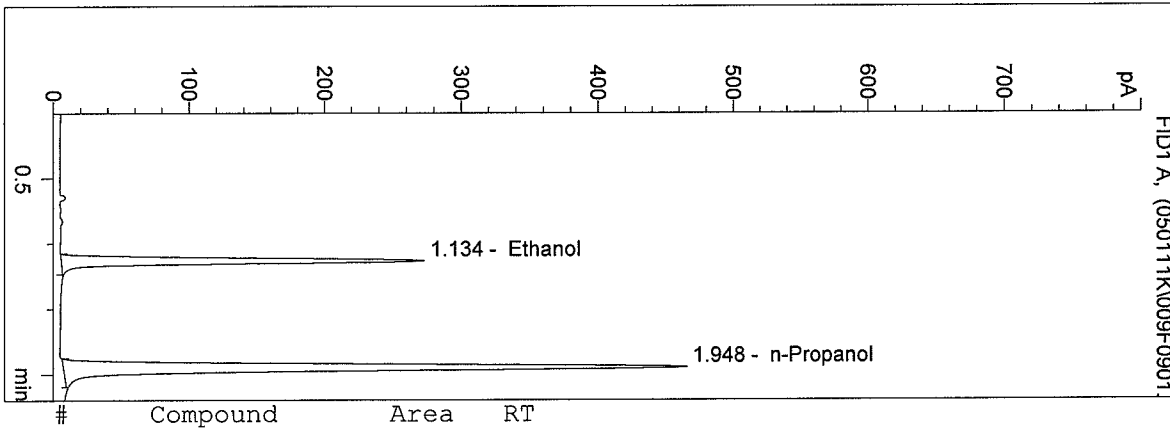


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 1/11/2005 4:02:55 PM  
 Instrument 5  
 DB-ALC2

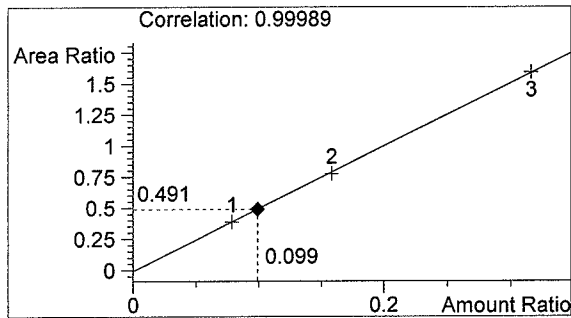
0.10 CONTROL  
 Kari Gruendell

vial # 9

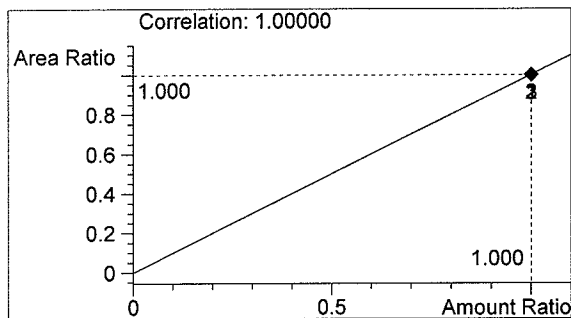


#	Compound	Area	RT
1	Ethanol	780	1.134
2	n-Propanol	1587	1.948

Totals:



Ethanol 0.099 g/100ml

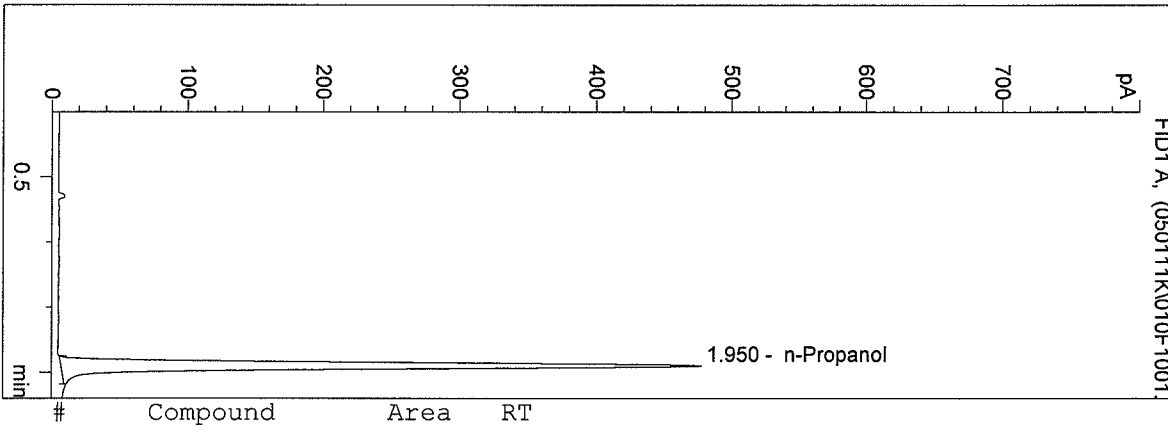


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
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 Instrument 5  
 DB-ALC2

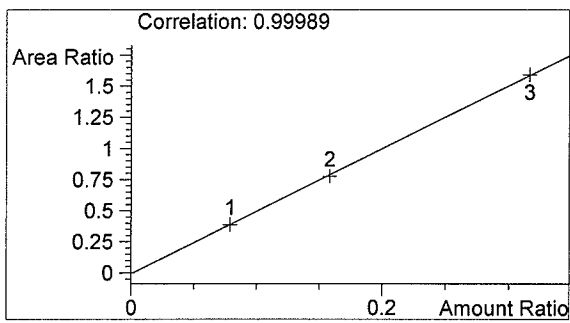
BLANK  
 Kari Gruendell

vial # 10

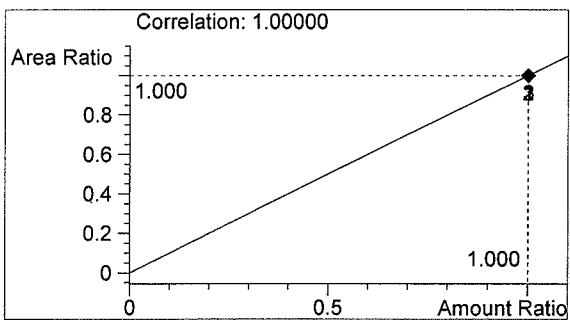


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1617	1.950

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml