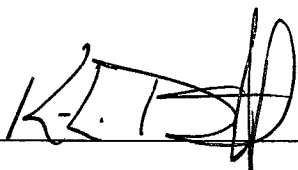


## Notice of Simulator Solution File Review

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.

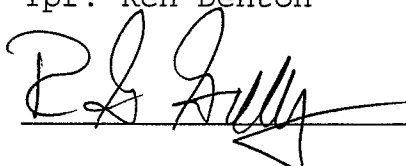
Where computation values changed for a specific batch number, the analysts employed by the State Toxicology Laboratory were asked to review the revisions, ensure the solution complied with the criteria established by the State Toxicologist and then re-sign their affidavit. Their signature will appear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

  
\_\_\_\_\_ 10/8/2007

Tpr. Ken Denton

Date

  
\_\_\_\_\_ 10-8-07

Rod G. Gullberg

Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN DENTON / ROD GULLBERG Date 10-4-07  
Location TOX LAB SEATTLE Batch Number 06016

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


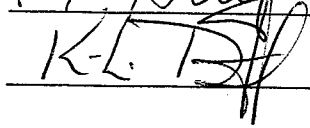
External Control Information  
(lot # and future date): Correct  Not Correct

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

Corrections Necessary:

CONTROL VALUE FOR NAZIHA N. INCORRECT  
REJECTED DATA FOR NAZIHA N. NEEDS TO BE  
LINED-OUT

Comments:

Reviewer Signature:  Date: 10-4-07  
Reviewer Signature:  Date: 10/4/2007

**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 **0.10** g/210L Quality Assurance solution  
 Batch number **06016** Date: 4/13/2006  
 Preparation: 28.9 mL of absolute ethyl alcohol diluted to 18 Liters with water  
 Concentration of ethanol (g/100mL) measured by gas chromatography:

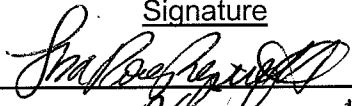
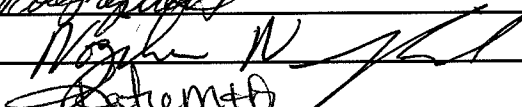
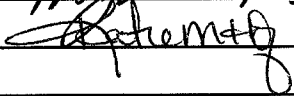
	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal 10	Anal 11	Anal 12	Anal 13	Anal 14	Anal 15	Anal 16
1	0.125	0.126	0.127													
2	0.127	0.126	0.128													
3	0.126	0.126	0.129													
4	0.126	0.126	0.129													
5	0.126	0.127	0.129													
Ctrl	0.098	<del>0.10</del>	0.101													

0.101  
 RRB  
 10-5-07

**External Control:**  
 Lot #: a035928-20 Exp date: 7/09  
 Target concentration: 0.10 g/100mL

**Statistics:**  
 Avg. solution concent.: 0.1269 g/100 mL  
 SD: 0.00130  
 Range (3xSD): 0.1230 to 0.1308  
 Precision CV (%): 1.0260 %

**Equivalent vapor concent.:** 0.1032 g/210L

Analyst	Name	Signature	Date
1	Lisa Piquette		04/14/2006
2	Naziha Nuwayhid, PhD		04/14/2006
3	Katie M Hof		04/18/2006
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

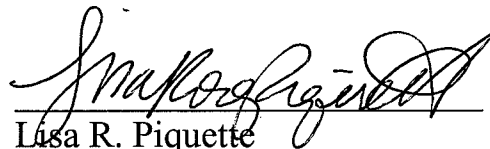
I, Lisa R. Piquette, do certify under penalty of perjury that:

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.

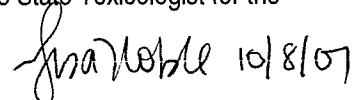
The quality assurance solution, Lot Number 06016, was prepared in the Washington State Toxicology Laboratory on 4/13/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.1269 grams per 100ml.

Dated: 4/20/2006  
Seattle, WA

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

LP/ks  
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.

  
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, 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 06016, was prepared in the Washington State Toxicology Laboratory on 4/13/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.1269 grams per 100ml.

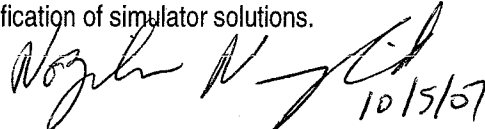
Dated: 4/20/2006  
Seattle, WA

  
Naziha Nuwayhid, Ph.D.  
Forensic Toxicologist

NN/ks  
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.



  
10/5/07





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

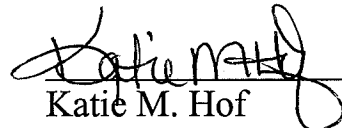
I, Katie M. Hof, do certify under penalty of perjury that:

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: Bachelors degree in Medical Technology and twenty years of experience as a forensic toxicologist.

The quality assurance solution, Lot Number 06016, was prepared in the Washington State Toxicology Laboratory on 4/13/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.1269 grams per 100ml.

Dated: 4/20/2006  
Seattle, WA

  
Katie M. Hof  
Forensic Toxicologist

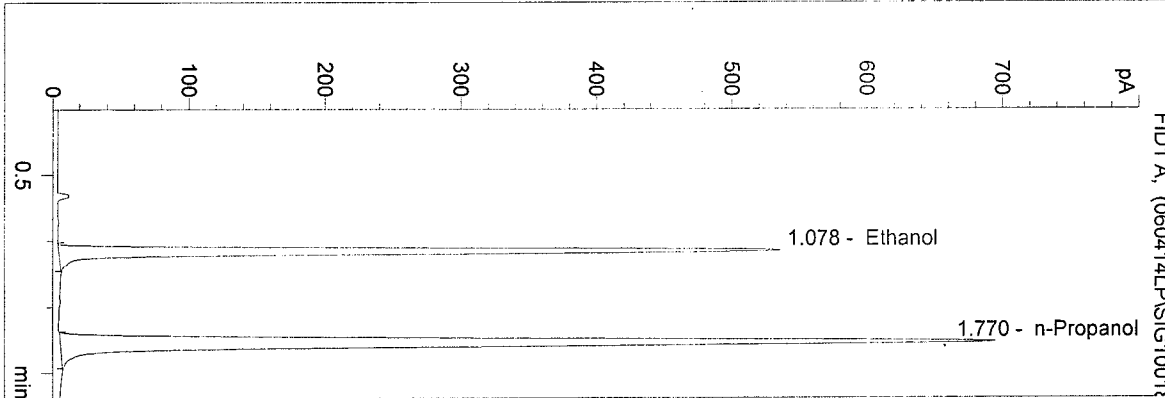
KMH/ks  
KHQA



WASHINGTON STATE TOXICOLOGY LABORATORY

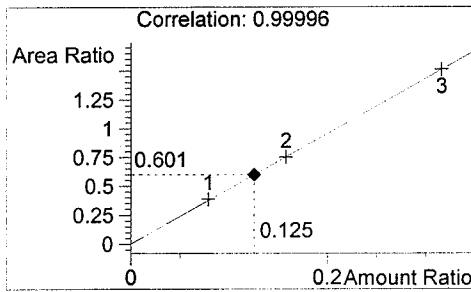
C:\HPCHEM\1\METHODS\BLDALCO.M  
 4/14/2006 2:41:50 PM  
 Instrument 1  
 DB BAC 1

QA 06016  
 Lisa Piquette  
 vial # 18



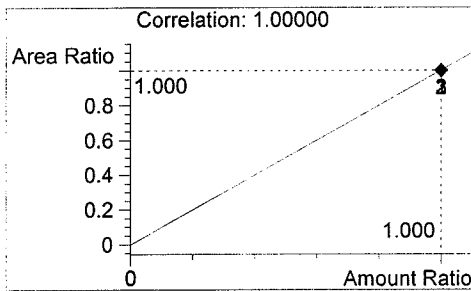
#	Compound	Area	RT
1	Ethanol	1640	1.078
2	n-Propanol	2730	1.770

Tot



Ethanol

0.125 g/100ml

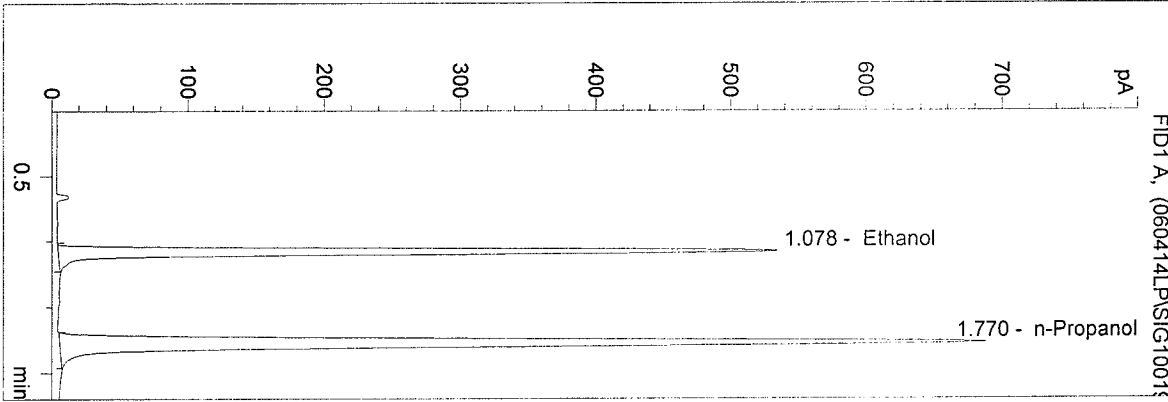


n-Propanol

1.000 g/100ml

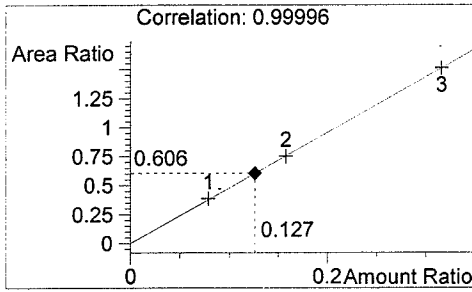
C:\HPCHEM\1\METHODS\BLDALCO.M  
 4/14/2006 2:44:54 PM  
 Instrument 1  
 DB BAC 1

QA 06016  
 Lisa Piquette  
 vial # 19



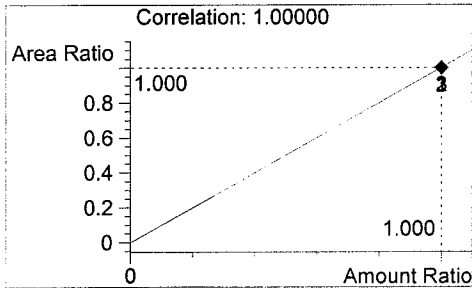
#	Compound	Area	RT
1	Ethanol	1640	1.078
2	n-Propanol	2707	1.770

Tot



Ethanol

0.127 g/100ml



n-Propanol

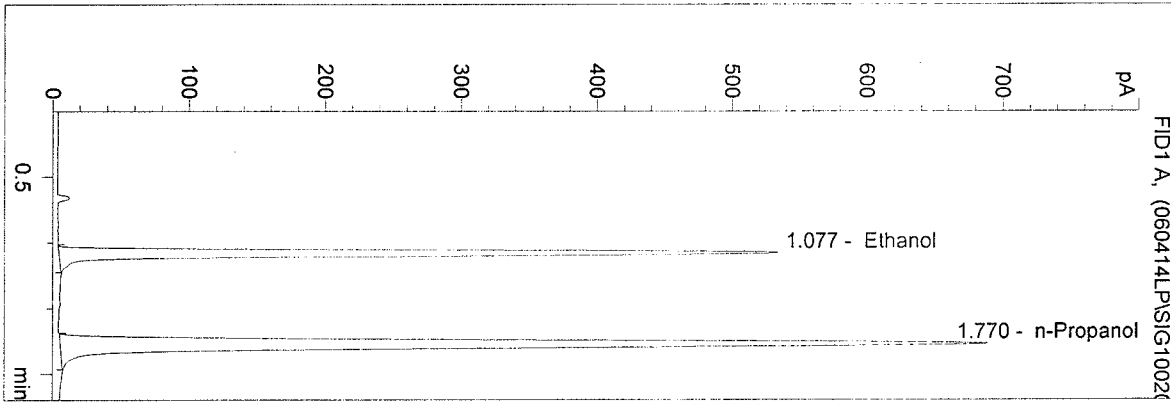
1.000 g/100ml



WASHINGTON STATE TOXICOLOGY LABORATORY

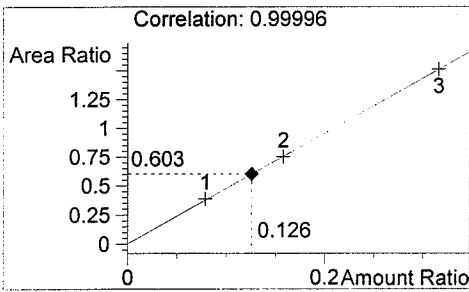
C:\HPCHEM\1\METHODS\BLDALCO.M  
 4/14/2006 2:47:59 PM  
 Instrument 1  
 DB BAC 1

QA 06016  
 Lisa Piquette  
 vial # 20



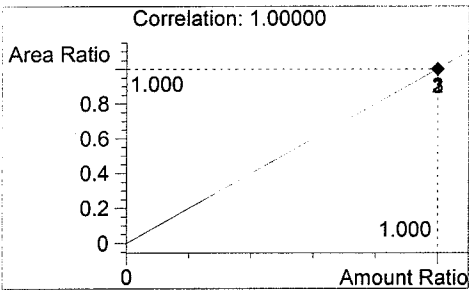
#	Compound	Area	RT
1	Ethanol	1635	1.077
2	n-Propanol	2712	1.770

Tot



Ethanol

0.126 g/100ml

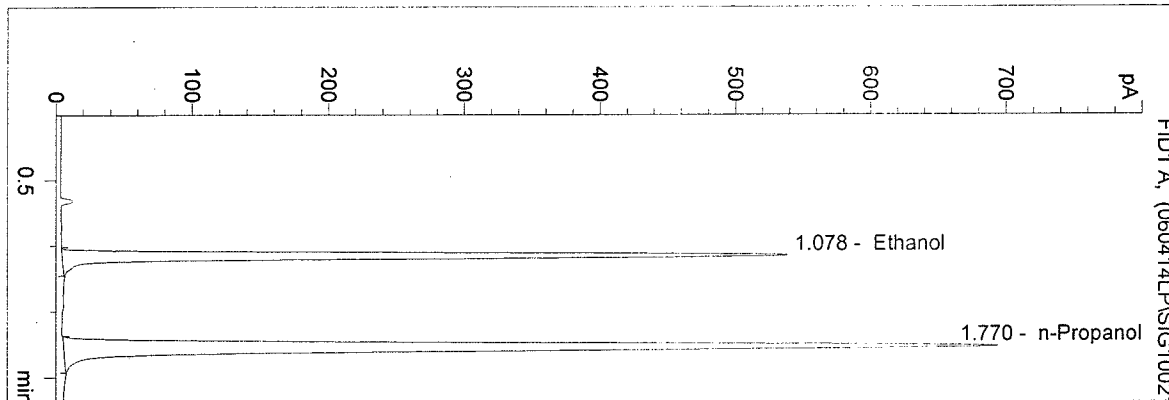


n-Propanol

1.000 g/100ml

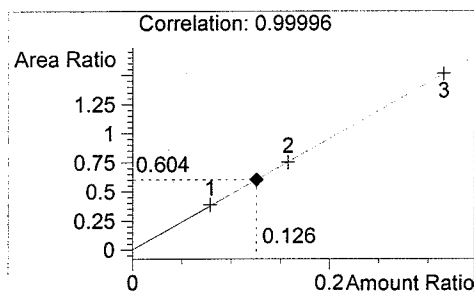
C:\HPCHEM\1\METHODS\BLDALCO.M  
 4/14/2006 2:51:04 PM  
 Instrument 1  
 DB BAC 1

QA 06016  
 Lisa Piquette  
 vial # 21



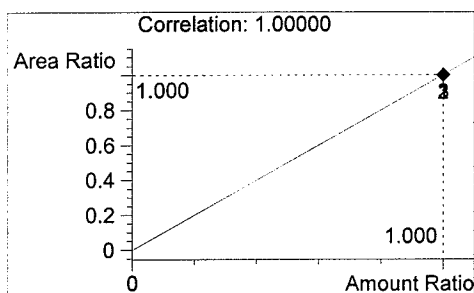
#	Compound	Area	RT
1	Ethanol	1644	1.078
2	n-Propanol	2722	1.770

Tot



Ethanol

0.126 g/100ml

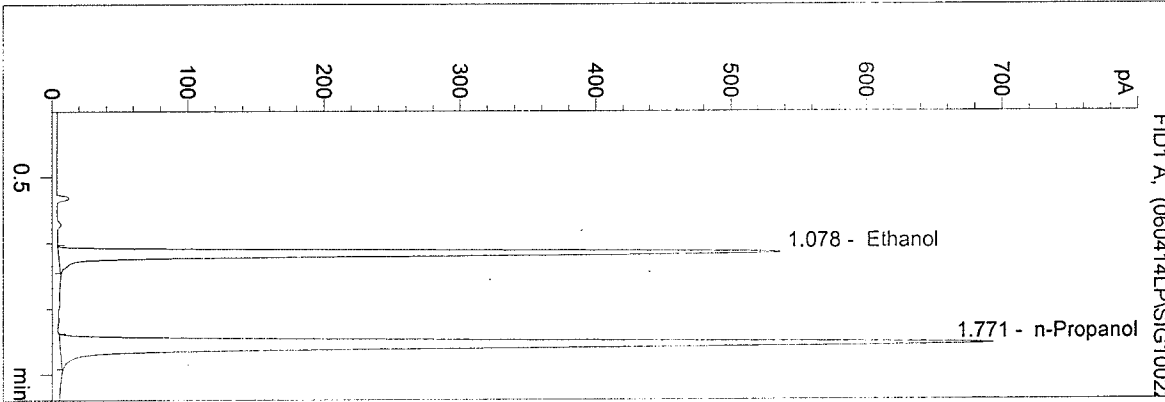


n-Propanol

1.000 g/100ml

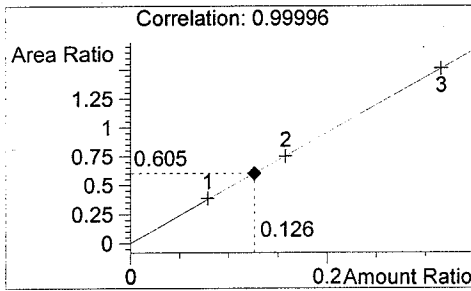
C:\HPCHEM\1\METHODS\BLDALCO.M  
 4/14/2006 2:54:09 PM  
 Instrument 1  
 DB BAC 1

QA 06016  
 Lisa Piquette  
 vial # 22



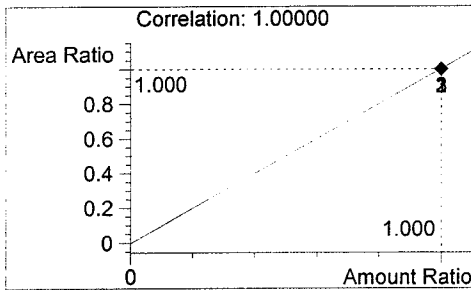
#	Compound	Area	RT
1	Ethanol	1649	1.078
2	n-Propanol	2726	1.771

Tot



Ethanol

0.126 g/100ml

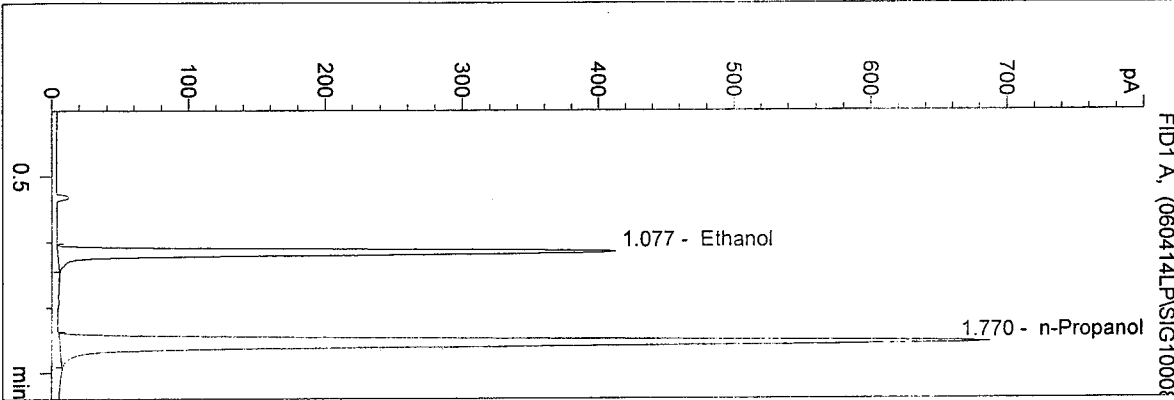


n-Propanol

1.000 g/100ml

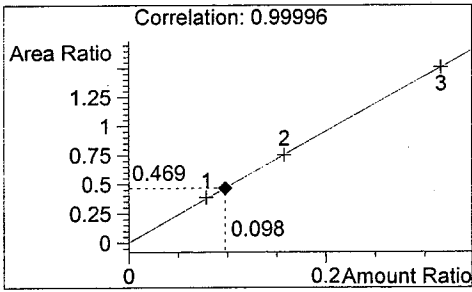
C:\HPCHEM\1\METHODS\BLDALCO.M  
 4/14/2006 2:11:02 PM  
 Instrument 1  
 DB BAC 1

0.10 CONTROL LP  
 Lisa Piquette  
 vial # 8



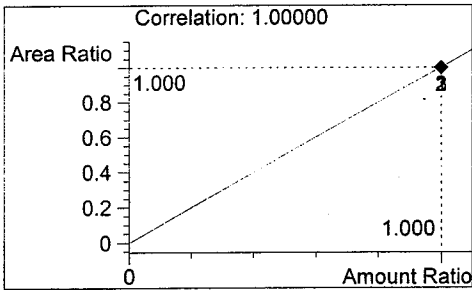
#	Compound	Area	RT
1	Ethanol	1264	1.077
2	n-Propanol	2696	1.770

Tot



Ethanol

0.098 g/100ml

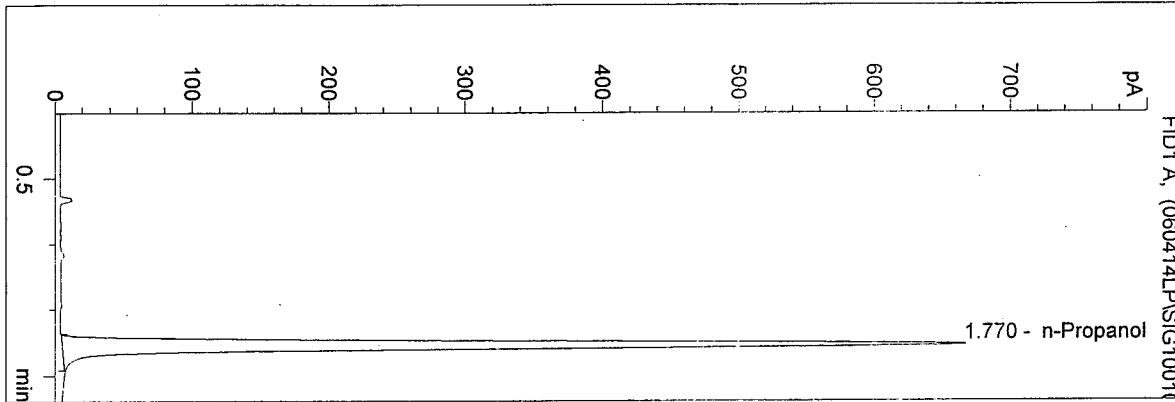


n-Propanol

1.000 g/100ml

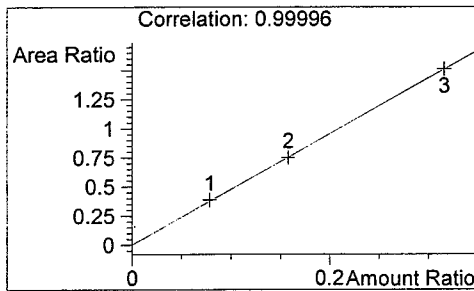
C:\HPCHEM\1\METHODS\BLDALCO.M  
 4/14/2006 2:17:11 PM  
 Instrument 1  
 DB BAC 1

BLANK  
 Lisa Piquette  
 vial # 10



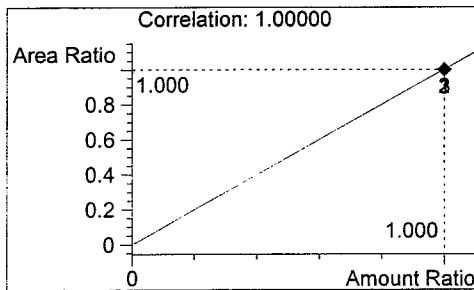
#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2625	1.770

Tot



Ethanol

0.000 g/100ml



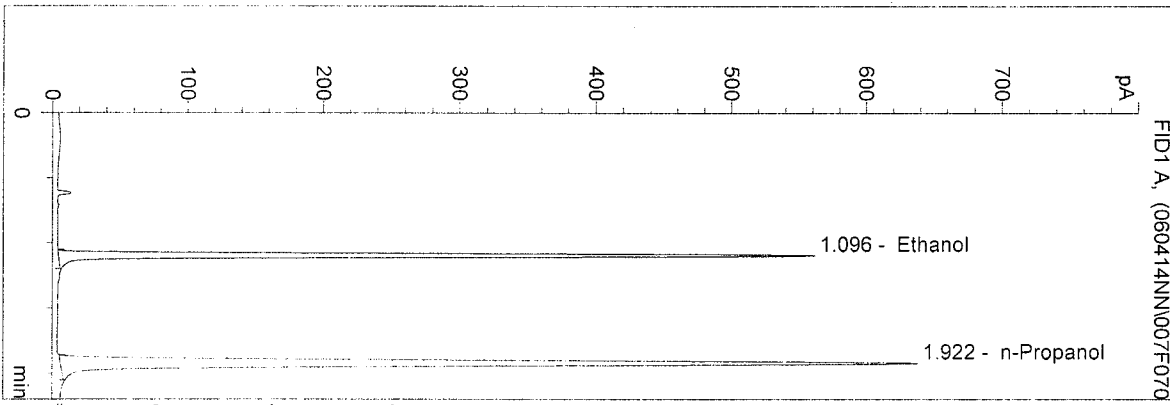
n-Propanol

1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/14/2006 3:15:00 PM  
 Instrument 5  
 DB-ALC2

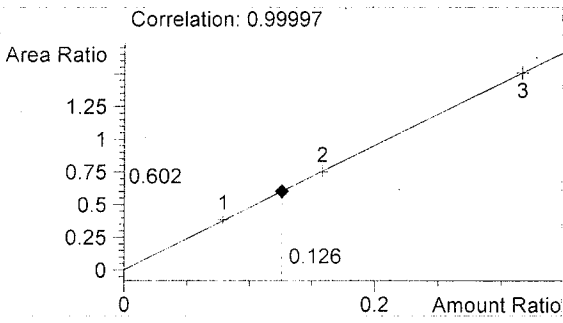
06016 QA-1  
 N Nuwayhid, PhD

vial # 7

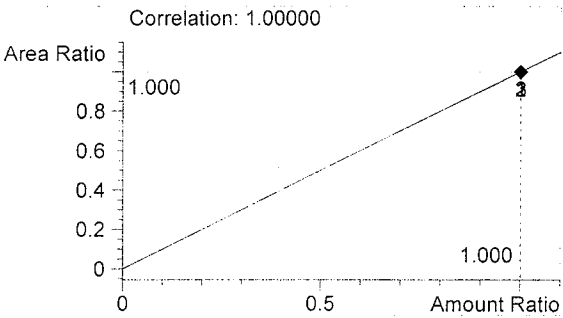


#	Compound	Area	RT
1	Ethanol	1114	1.096
2	n-Propanol	1850	1.922

Totals:



Ethanol 0.126 g/100ml

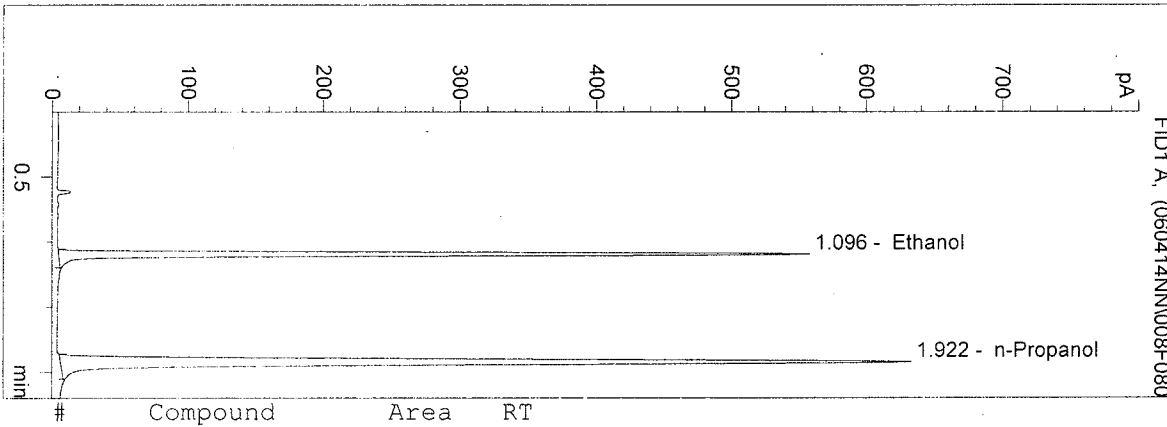


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/14/2006 3:18:15 PM  
 Instrument 5  
 DB-ALC2

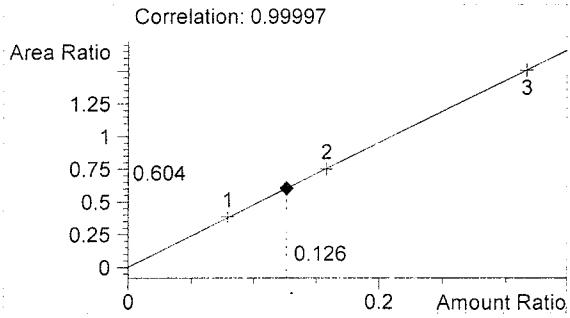
06016 QA-2  
 N Nuwayhid, PhD

vial # 8

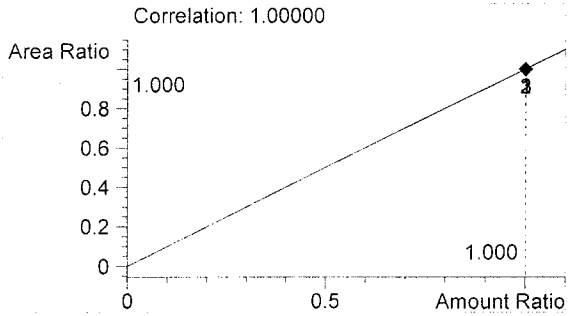


#	Compound	Area	RT
1	Ethanol	1109	1.096
2	n-Propanol	1837	1.922

Totals:



Ethanol 0.126 g/100ml

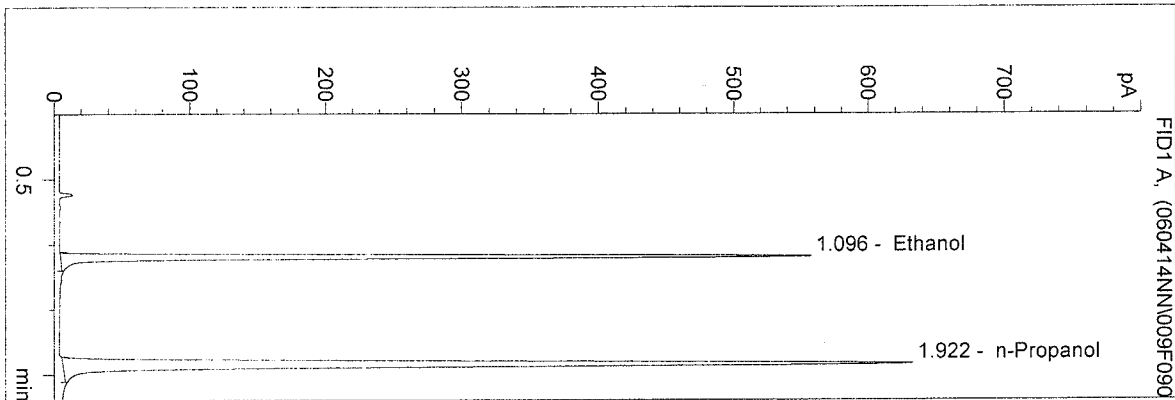


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/14/2006 3:21:29 PM  
 Instrument 5  
 DB-ALC2

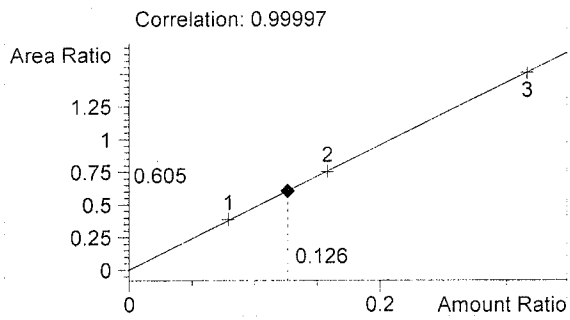
06016 QA-3  
 N Nuwayhid, PhD

vial # 9

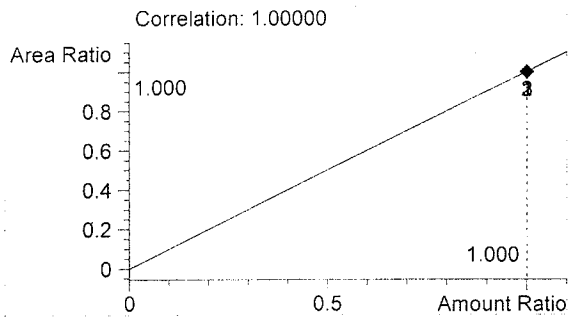


#	Compound	Area	RT
1	Ethanol	1108	1.096
2	n-Propanol	1832	1.922

Totals:



Ethanol 0.126 g/100ml



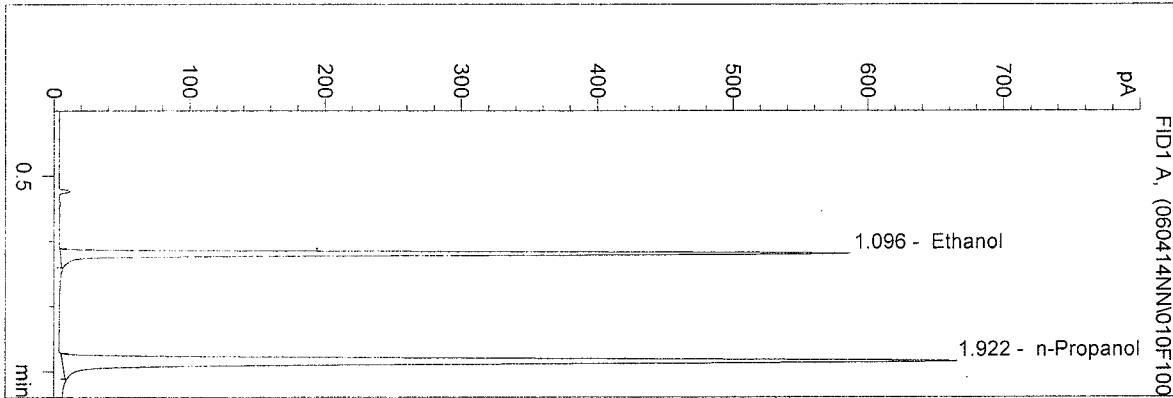
n-Propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/14/2006 3:24:43 PM  
 Instrument 5  
 DB-ALC2

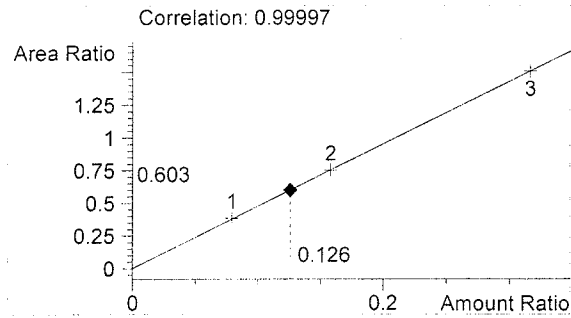
06016 QA-4  
 N Nuwayhid, PhD

vial # 10

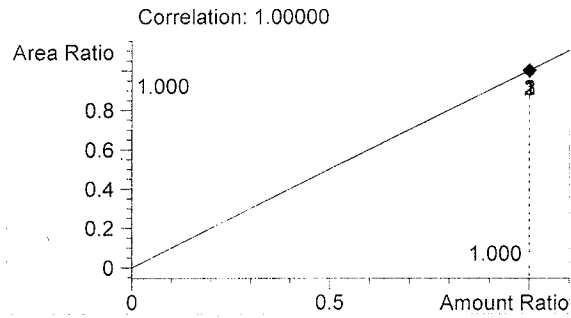


#	Compound	Area	RT
1	Ethanol	1160	1.096
2	n-Propanol	1924	1.922

Totals:



Ethanol 0.126 g/100ml

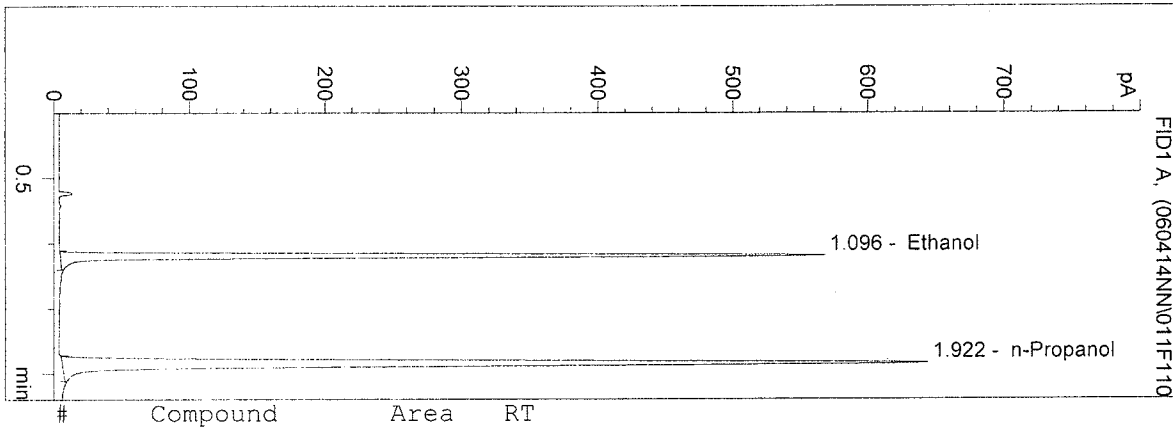


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/14/2006 3:27:56 PM  
 Instrument 5  
 DB-ALC2

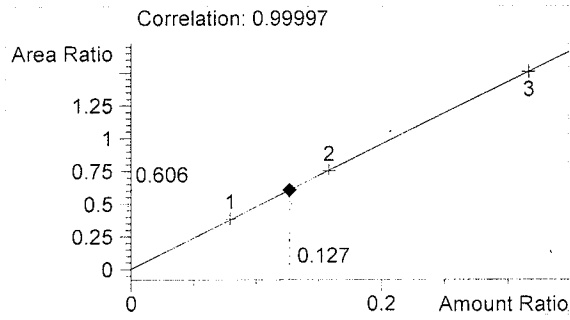
06016 QA-5  
 N Nuwayhid, PhD

vial # 11

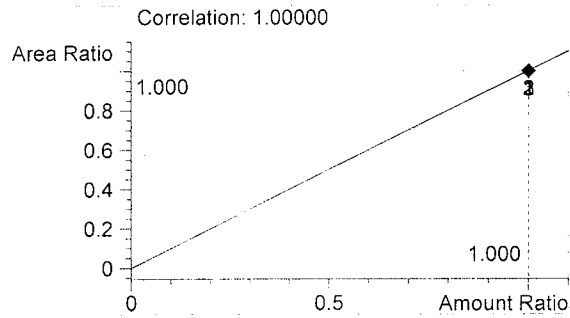


#	Compound	Area	RT
1	Ethanol	1134	1.096
2	n-Propanol	1870	1.922

Totals:



Ethanol 0.127 g/100ml

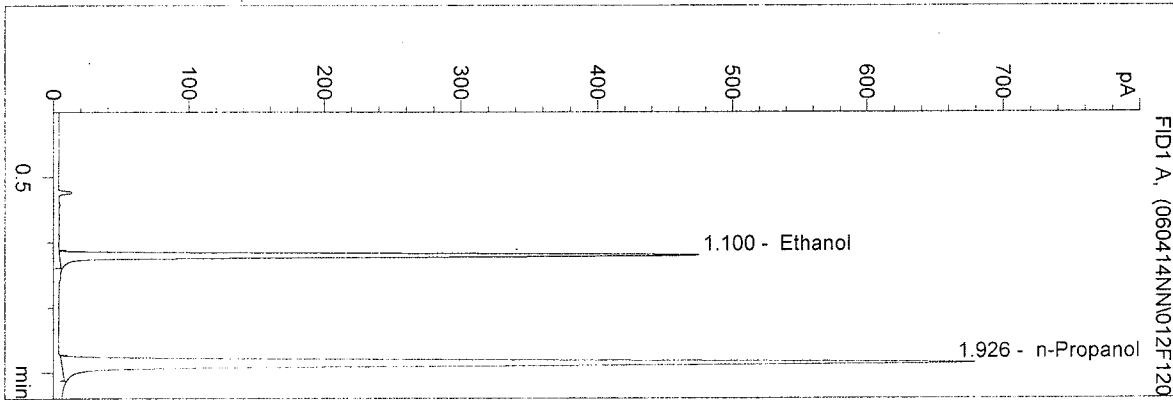


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/14/2006 3:31:09 PM  
 Instrument 5  
 DB-ALC2

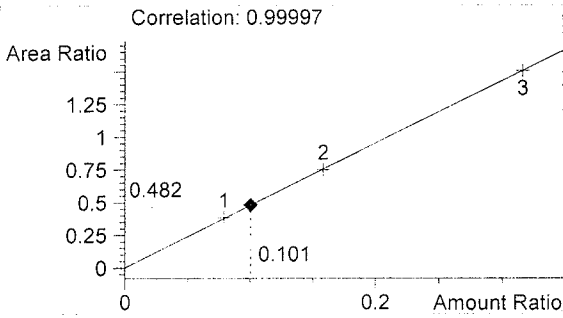
0.10 CTRL-NN  
 N Nuwayhid, PhD

vial # 12

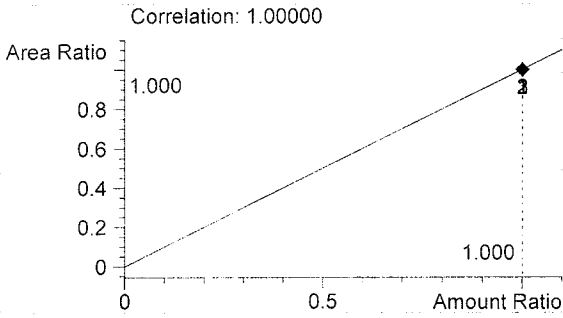


#	Compound	Area	RT
1	Ethanol	953	1.100
2	n-Propanol	1978	1.926

Totals:



Ethanol 0.101 g/100ml

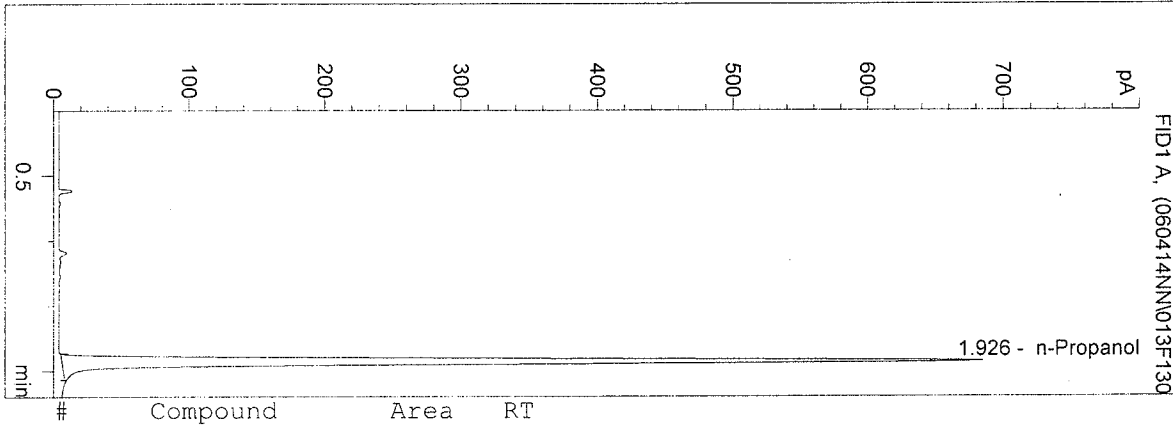


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/14/2006 3:34:19 PM  
 Instrument 5  
 DB-ALC2

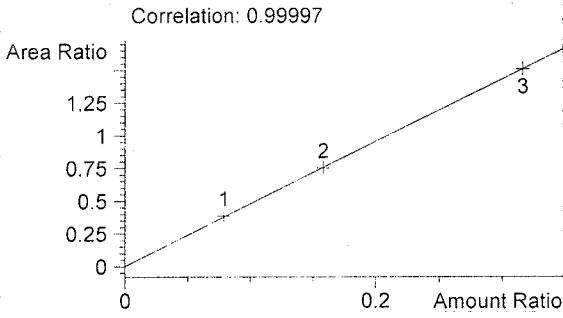
Blank  
 N Nuwayhid, PhD

vial # 13

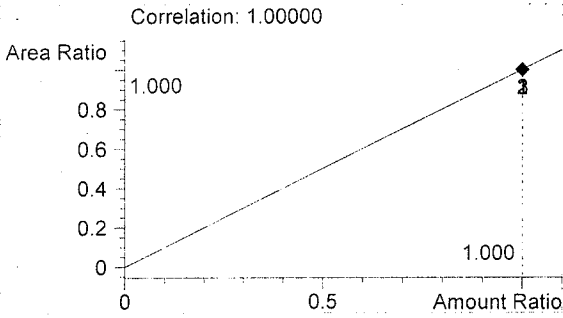


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1993	1.926

Totals:



Ethanol 0.000 g/100ml

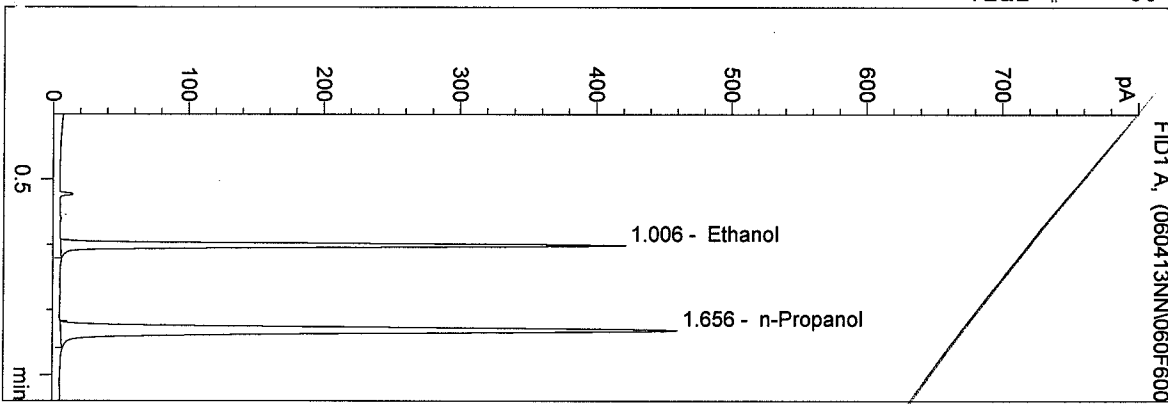


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 4/13/2006 10:41:56 PM  
 Instrument 4  
 DB-ALC1

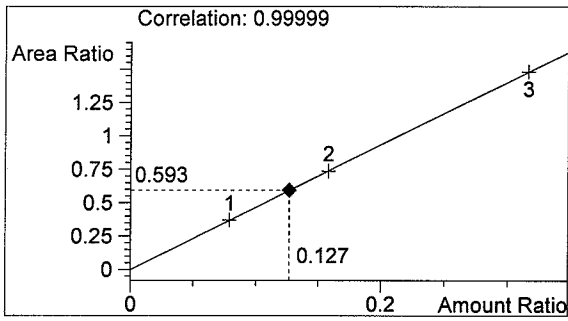
Blank 6016-QA  
 N Nuwayhid, PhD

vial # 60

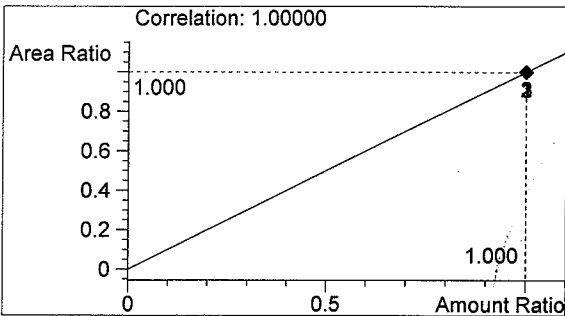


#	Compound	Area	RT
1	Ethanol	848	1.006
2	n-Propanol	1429	1.656

Totals:



Ethanol 0.127 g/100ml



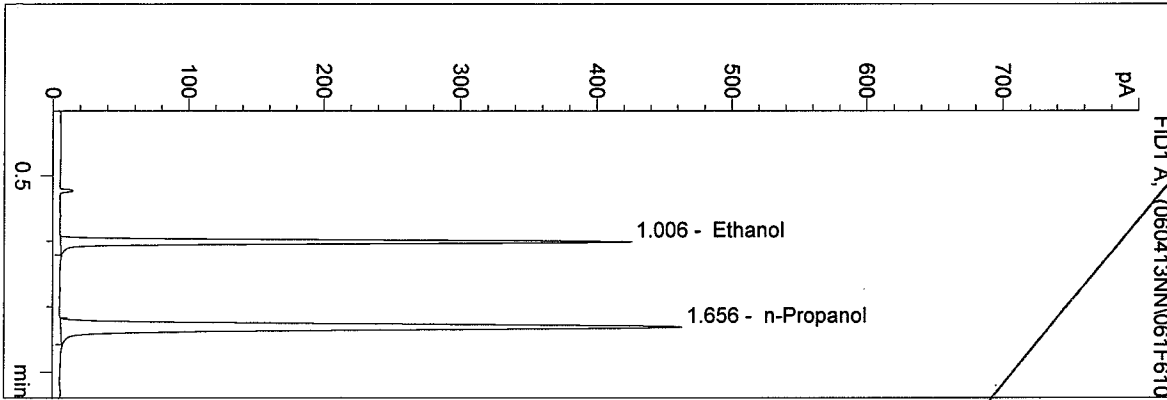
n-Propanol 1.000 g/100ml

*not used  
 NN 10/5/07*

D:\HPCHEM\1\METHODS\BLDALCO.M  
 4/13/2006 10:45:06 PM  
 Instrument 4  
 DB-ALC1

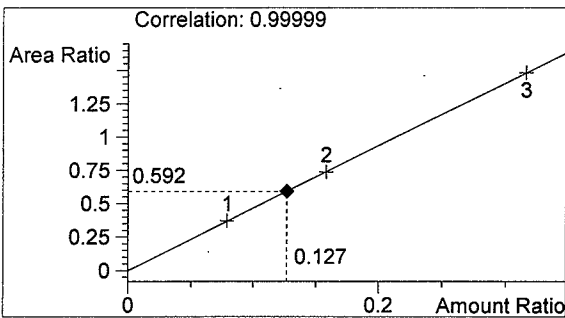
06016 QA-1  
 N Nuwayhid, PhD

vial # 61

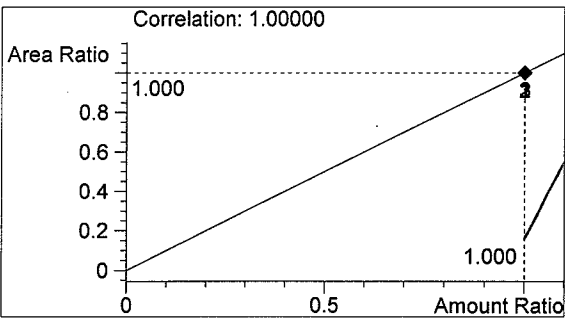


#	Compound	Area	RT
1	Ethanol	851	1.006
2	n-Propanol	1437	1.656

Totals:



Ethanol 0.127 g/100ml



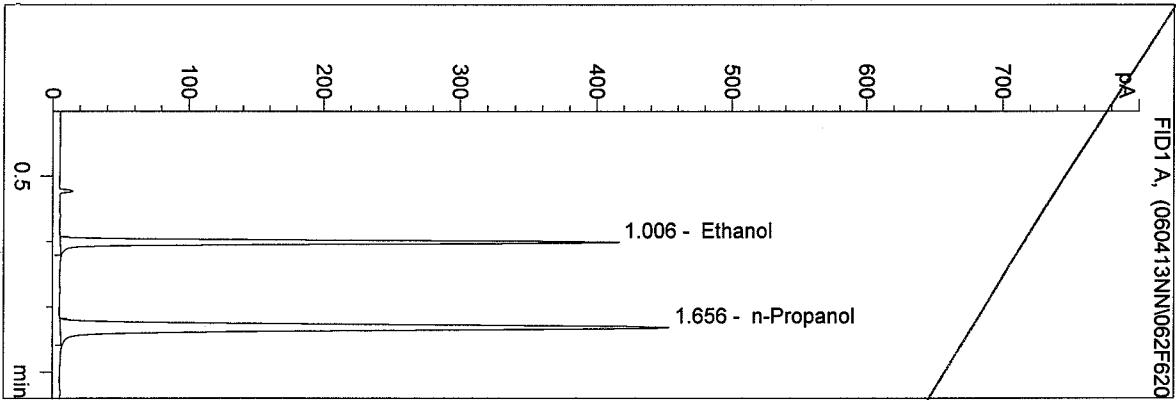
n-Propanol 1.000 g/100ml

*Not used  
 NW  
 10/5/07*

D:\HPCHEM\1\METHODS\BLDALCO.M  
 4/13/2006 10:48:16 PM  
 Instrument 4  
 DB-ALC1

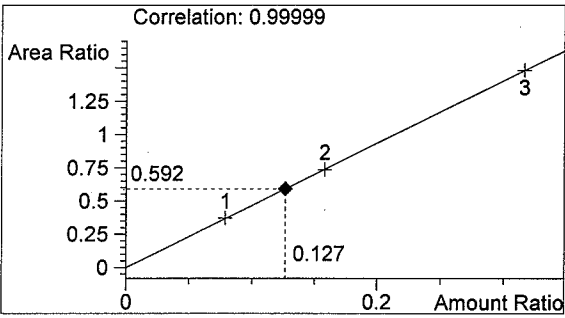
06016 QA-2  
 N Nuwayhid, PhD

vial # 62

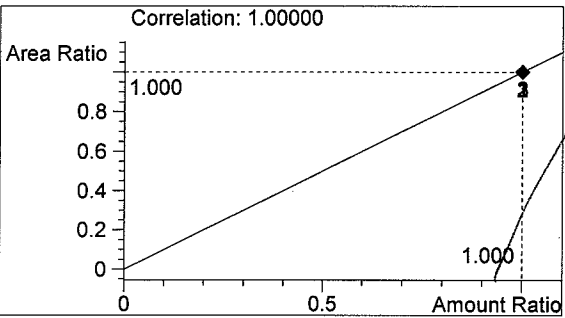


#	Compound	Area	RT
1	Ethanol	834	1.006
2	n-Propanol	1409	1.656

Totals:



Ethanol 0.127 g/100ml



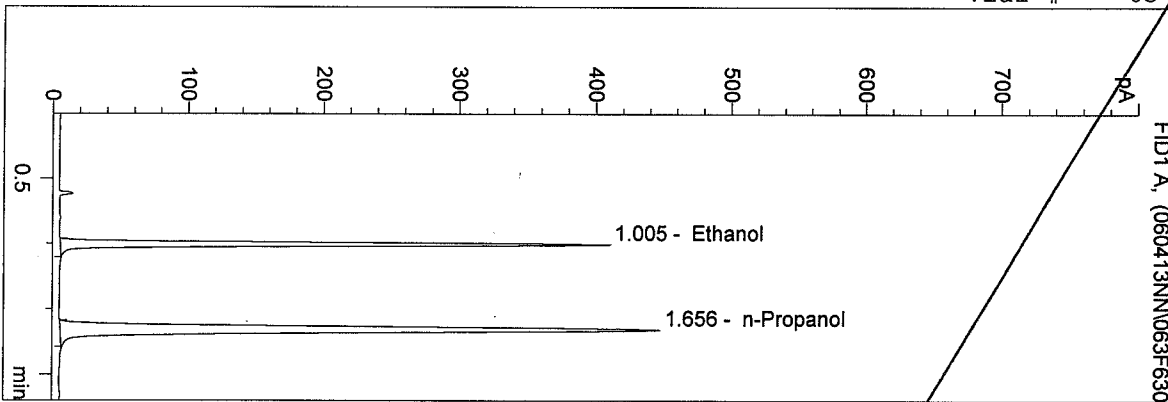
n-Propanol 1.000 g/100ml

*not used  
 NN 10/5/07*

D:\HPCHEM\1\METHODS\BLDALCO.M  
 4/13/2006 10:51:35 PM  
 Instrument 4  
 DB-ALC1

06016 QA-3  
 N Nuwayhid, PhD

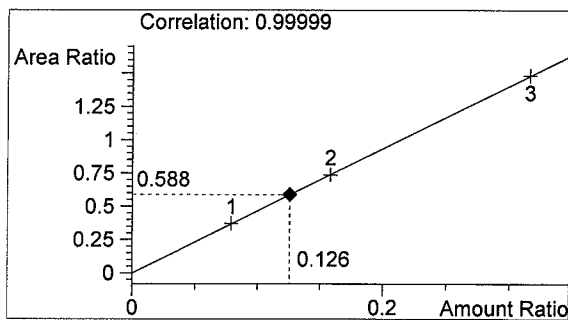
vial # 63



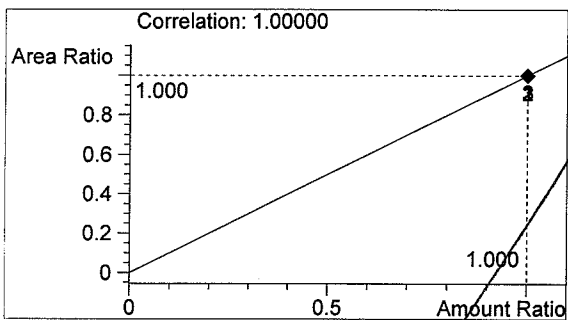
#	Compound	Area	RT
1	Ethanol	816	1.005
2	n-Propanol	1387	1.656

Totals:

*not used  
 NN  
 10/5/07*



Ethanol 0.126 g/100ml



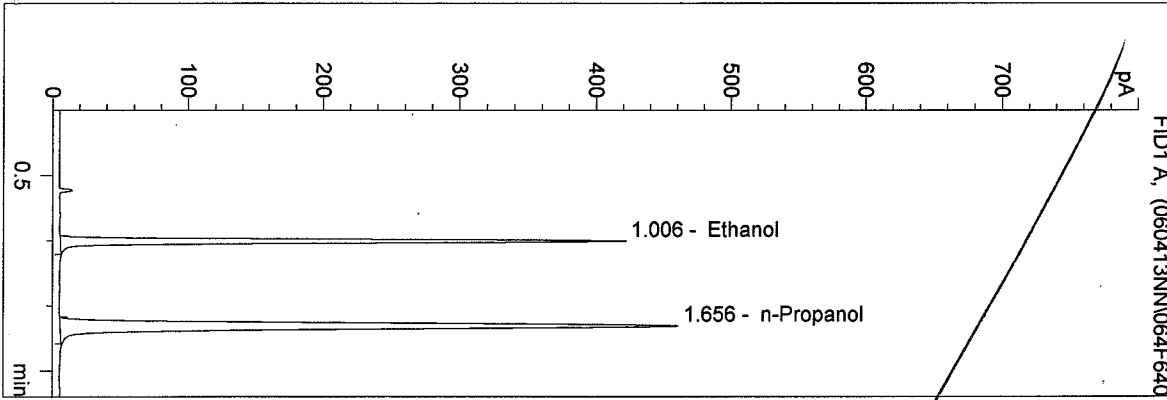
n-Propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO.M  
 4/13/2006 10:54:54 PM  
 Instrument 4  
 DB-ALC1

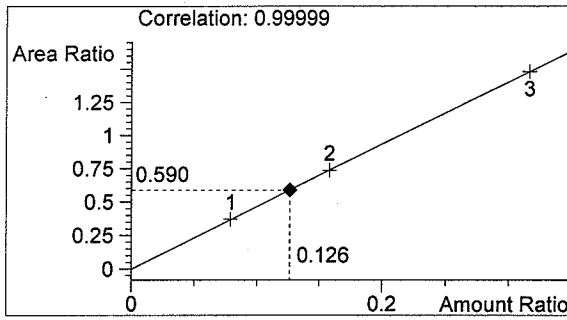
06016 QA-4  
 N Nuwayhid, PhD

vial # 64

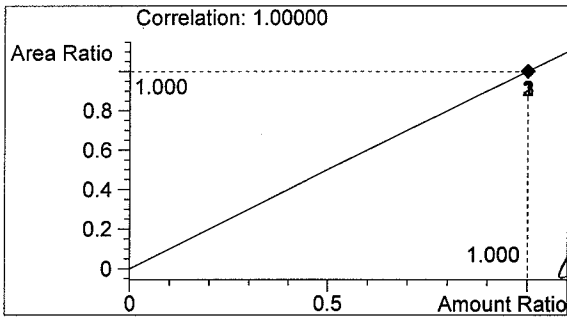


#	Compound	Area	RT
1	Ethanol	844	1.006
2	n-Propanol	1431	1.656

Totals:



Ethanol 0.126 g/100ml



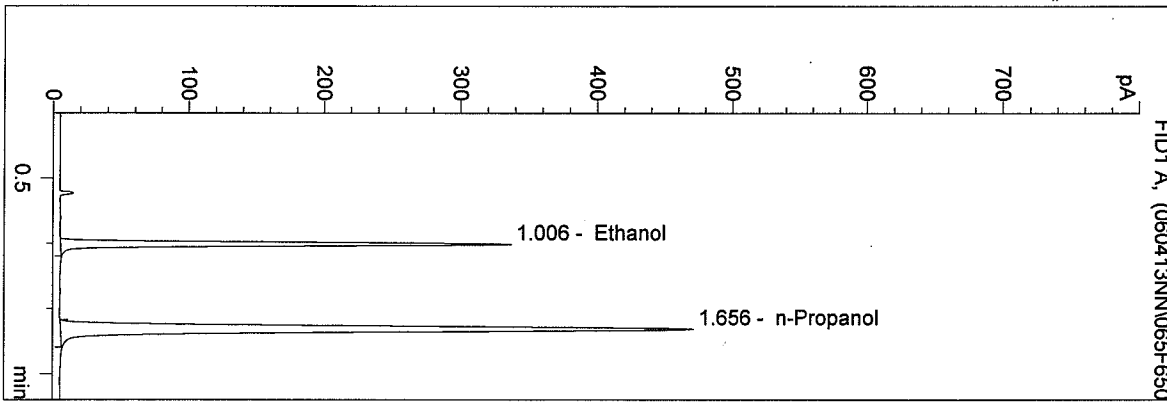
n-Propanol 1.000 g/100ml

*Not used  
 MW 10/5/07*

D:\HPCHEM\1\METHODS\BLDALCO.M  
 4/13/2006 10:58:11 PM  
 Instrument 4  
 DB-ALC1

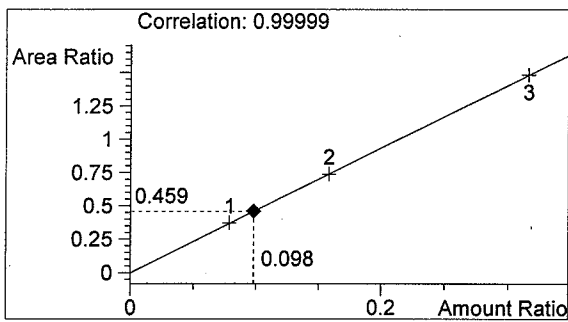
*CTL 0.1N*  
~~06016 QA-5~~ *NM*  
 N Nuwayhid, PhD  
*4/14/06*

vial # 65

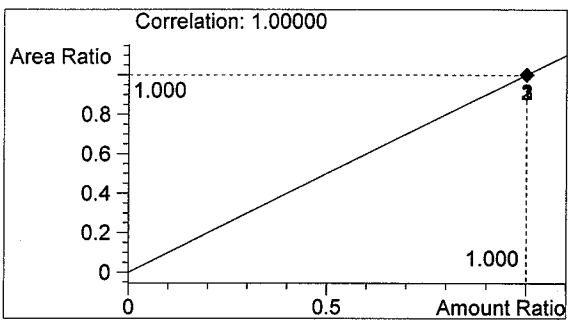


#	Compound	Area	RT
1	Ethanol	673	1.006
2	n-Propanol	1467	1.656

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

*Not used*  
*NM 10/5/07*

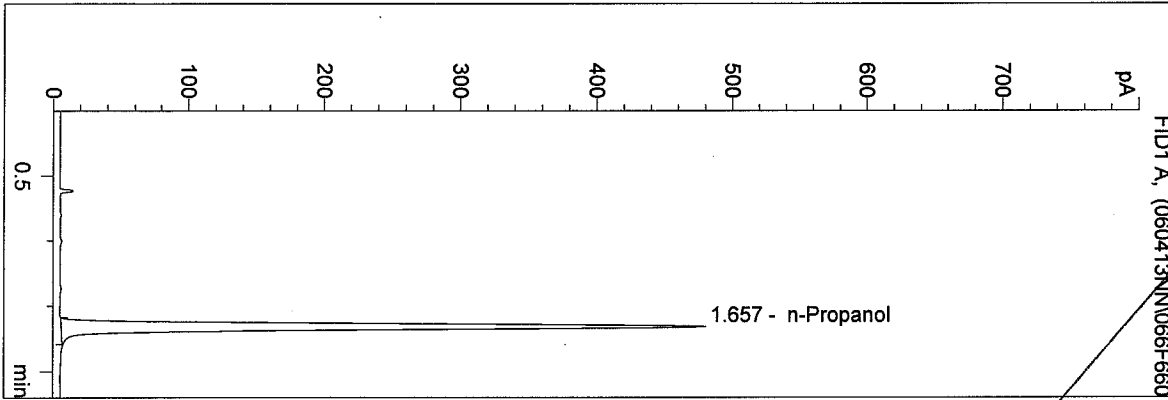
D:\HPCHEM\1\METHODS\BLDALCO.M  
4/13/2006 11:01:27 PM  
Instrument 4  
DB-ALC1

~~0.10 CTL-NN~~  
N Nuwayhid, PhD

*Blank  
NW*

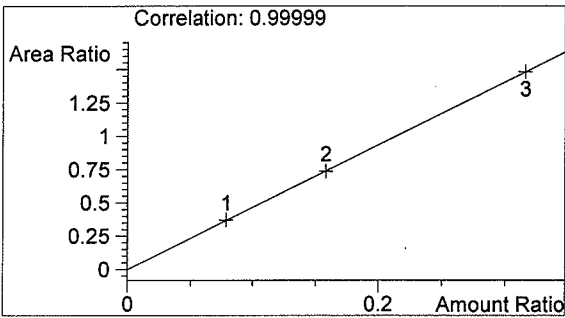
vial # 66

*4/14/06*

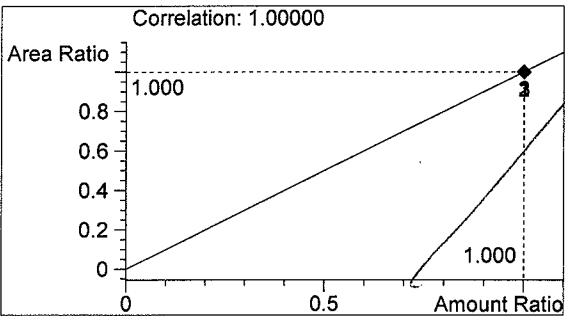


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1494	1.657

Totals:



Ethanol 0.000 g/100ml



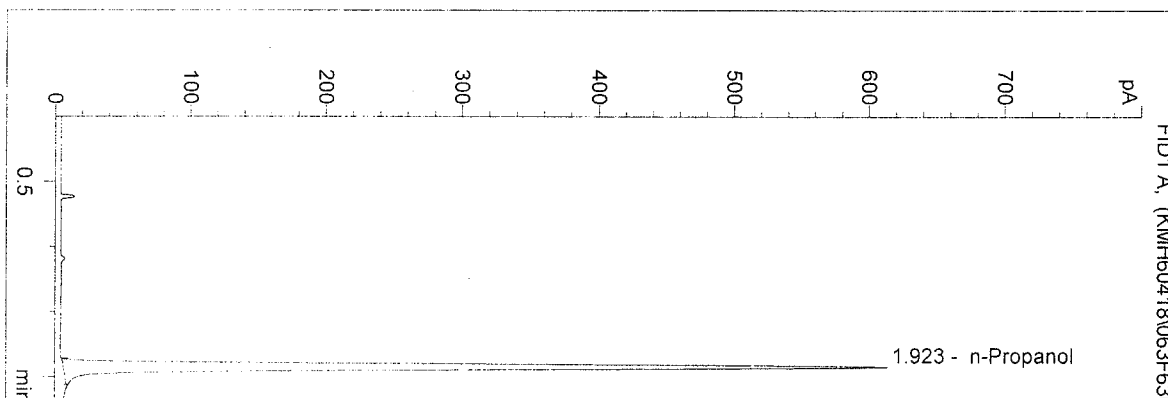
n-Propanol 1.000 g/100ml

*Not used  
NW 10/5/07*

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/18/2006 4:06:27 PM  
 Instrument 5  
 DB-ALC2

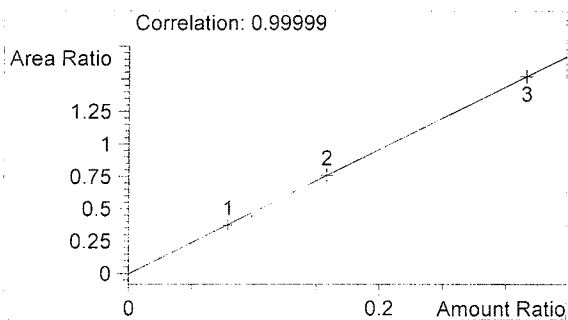
blank  
 Katie Hof

vial # 63

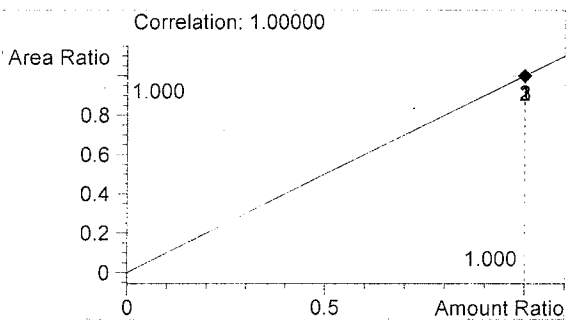


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1793	1.923

Totals:



Ethanol 0.000 g/100ml

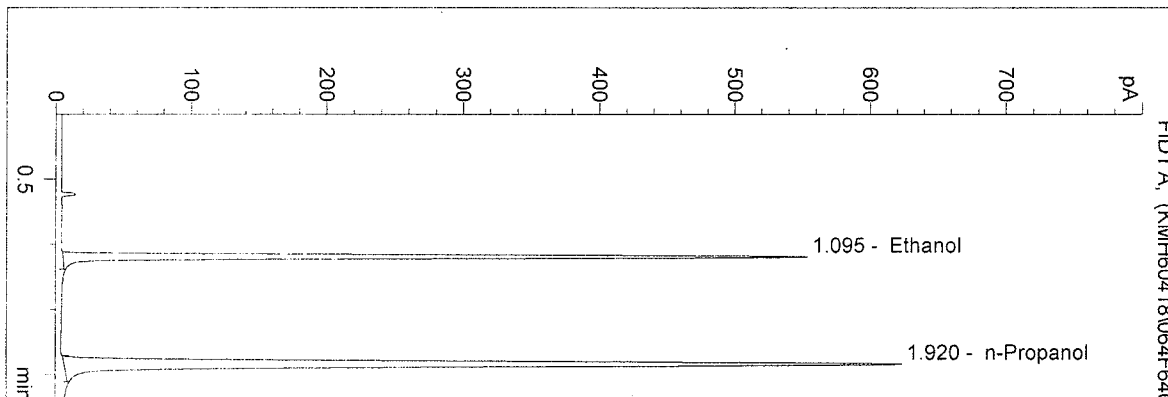


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/18/2006 4:09:41 PM  
 Instrument 5  
 DB-ALC2

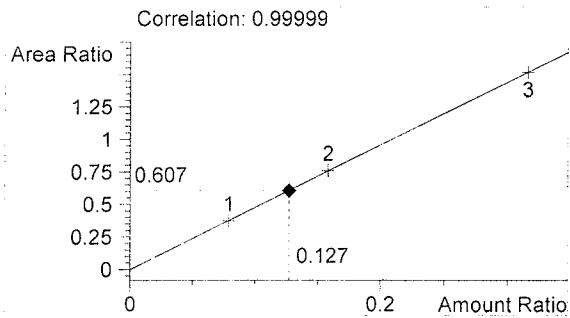
qa06016-a  
 Katie Hof

vial # 64

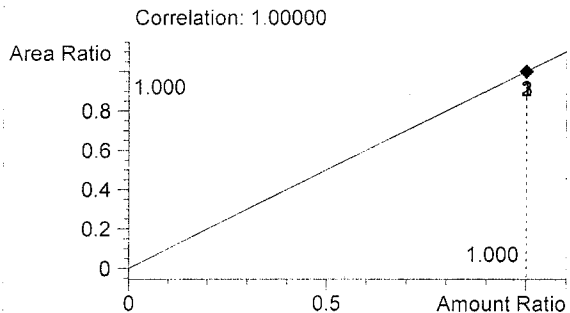


#	Compound	Area	RT
1	Ethanol	1103	1.095
2	n-Propanol	1817	1.920

Totals:



Ethanol 0.127 g/100ml

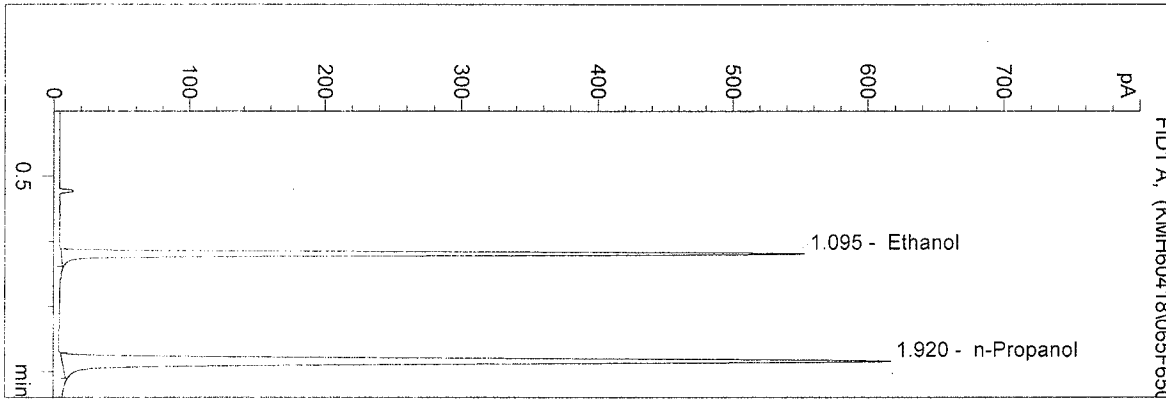


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/18/2006 4:12:55 PM  
 Instrument 5  
 DB-ALC2

qa06016-b  
 Katie Hof

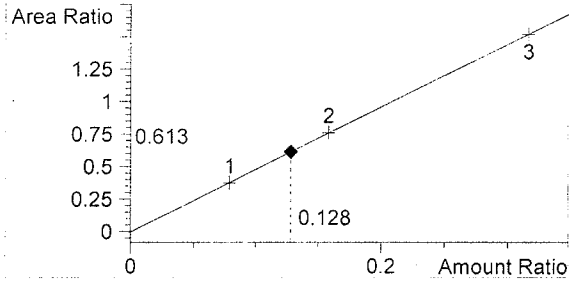
vial # 65



#	Compound	Area	RT
1	Ethanol	1105	1.095
2	n-Propanol	1801	1.920

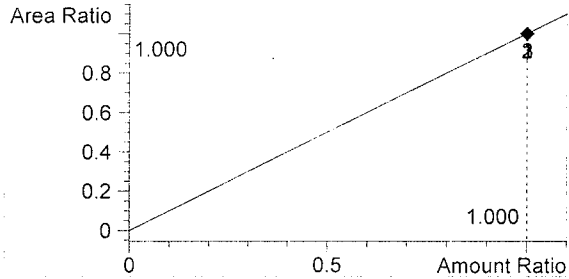
Totals:

Correlation: 0.99999



Ethanol 0.128 g/100ml

Correlation: 1.00000

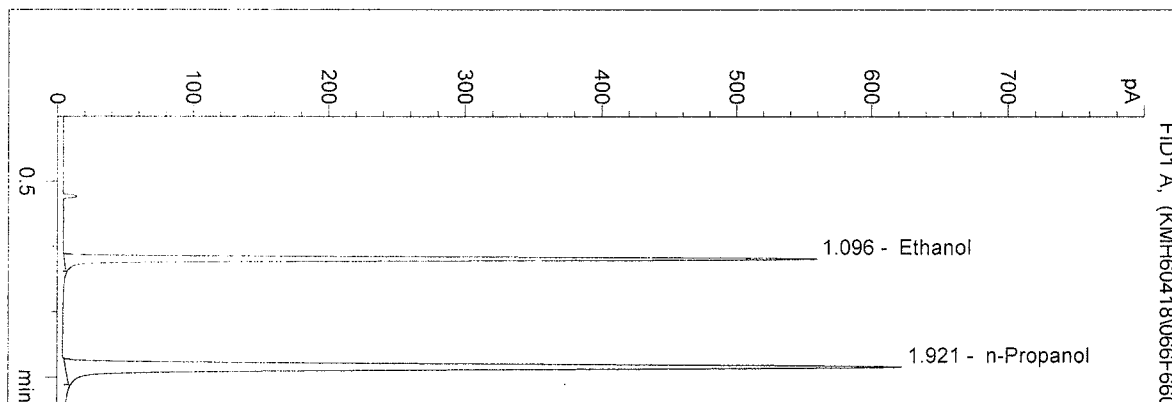


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/18/2006 4:16:13 PM  
 Instrument 5  
 DB-ALC2

qa06016-c  
 Katie Hof

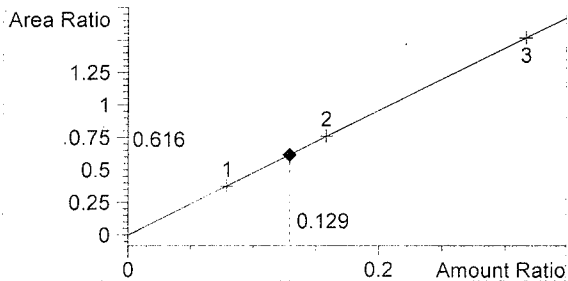
vial # 66



#	Compound	Area	RT
1	Ethanol	1120	1.096
2	n-Propanol	1818	1.921

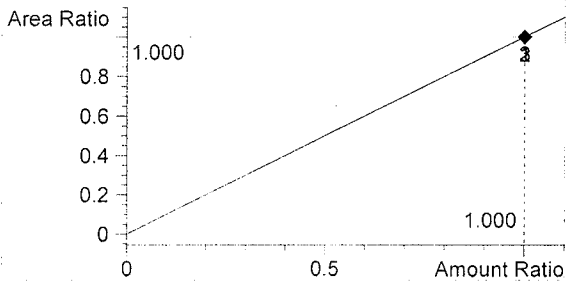
Totals:

Correlation: 0.99999



Ethanol 0.129 g/100ml

Correlation: 1.00000

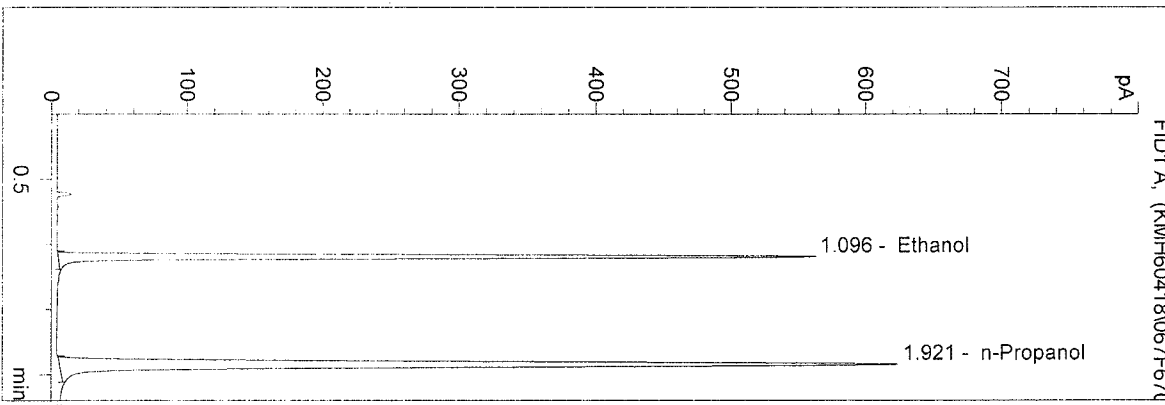


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/18/2006 4:19:29 PM  
 Instrument 5  
 DB-ALC2

qa06016-d  
 Katie Hof

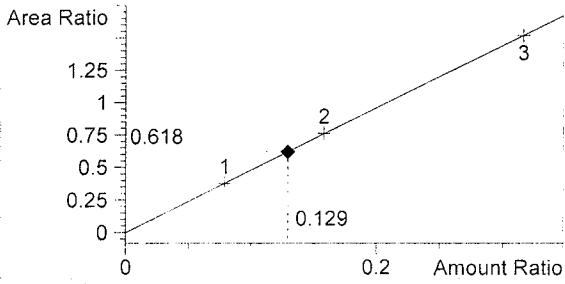
vial # 67



#	Compound	Area	RT
1	Ethanol	1130	1.096
2	n-Propanol	1827	1.921

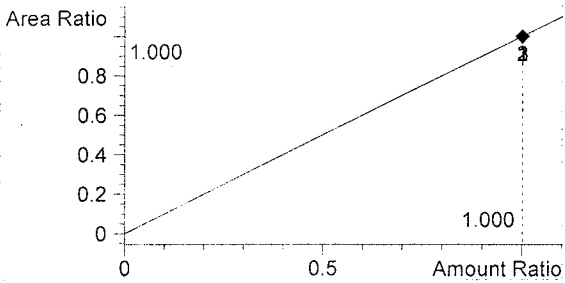
Totals:

Correlation: 0.99999



Ethanol 0.129 g/100ml

Correlation: 1.00000



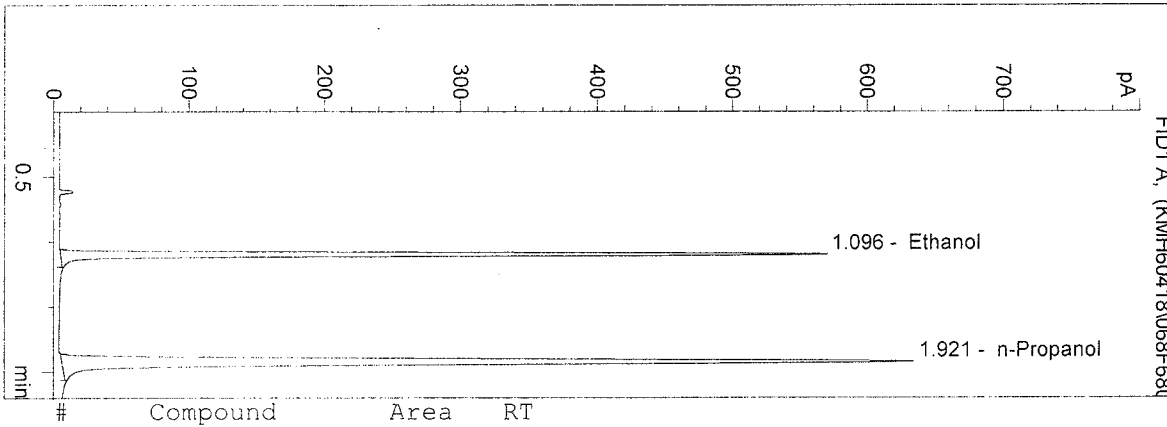
n-Propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/18/2006 4:22:41 PM  
 Instrument 5  
 DB-ALC2

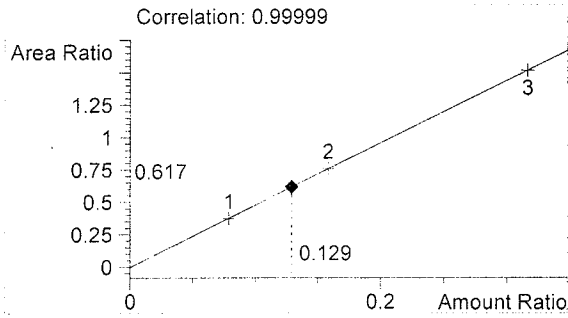
qa06016-e  
 Katie Hof

vial # 68

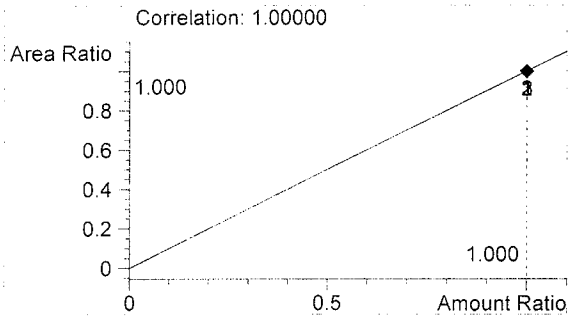


#	Compound	Area	RT
1	Ethanol	1143	1.096
2	n-Propanol	1852	1.921

Totals:



Ethanol 0.129 g/100ml

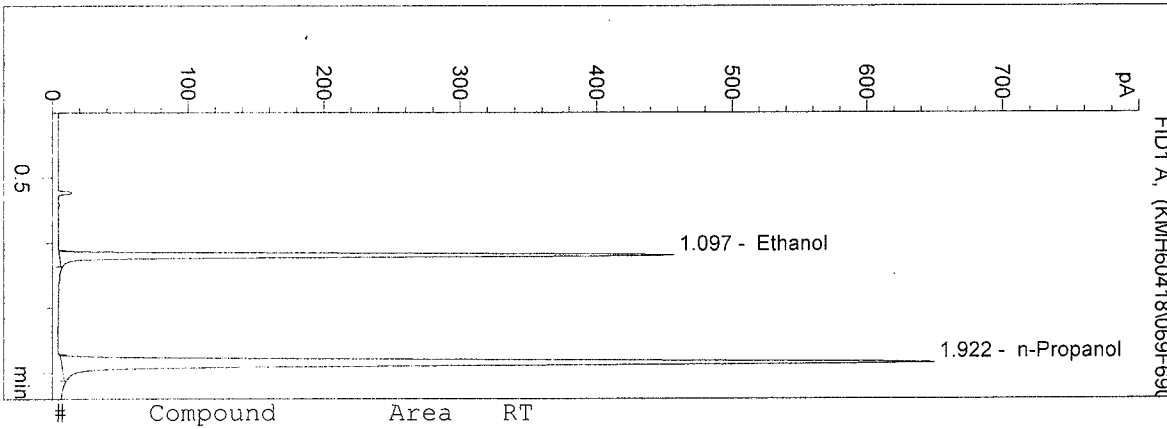


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/18/2006 4:25:50 PM  
 Instrument 5  
 DB-ALC2

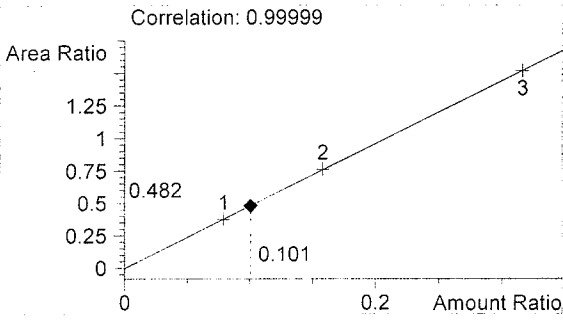
0.10 ctl-kmh  
 Katie Hof

vial # 69

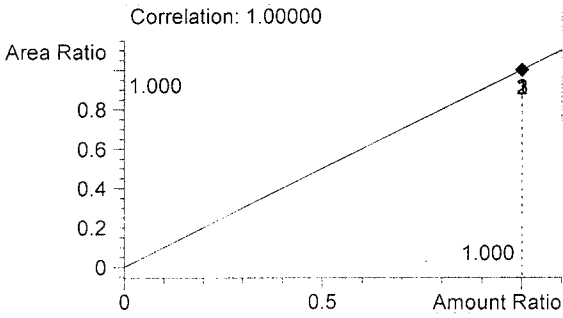


#	Compound	Area	RT
1	Ethanol	913	1.097
2	n-Propanol	1896	1.922

Totals:



Ethanol 0.101 g/100ml

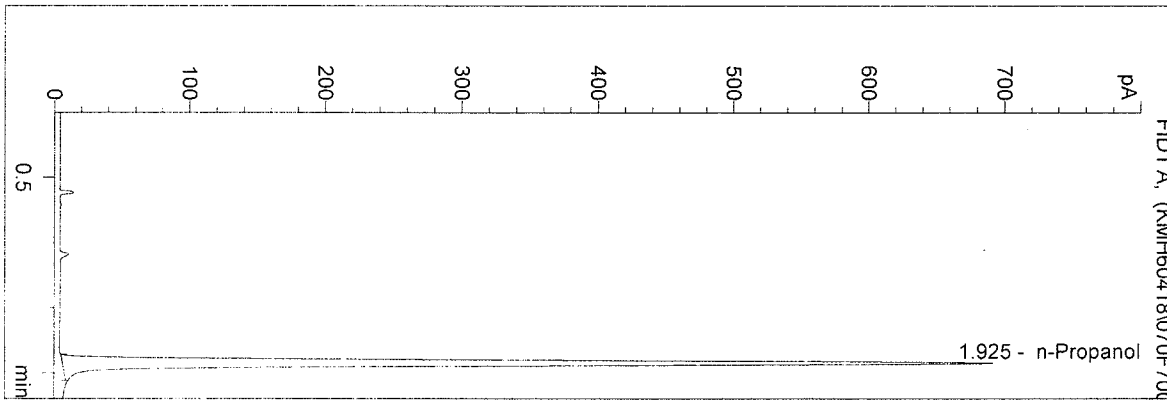


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 4/18/2006 4:29:08 PM  
 Instrument 5  
 DB-ALC2

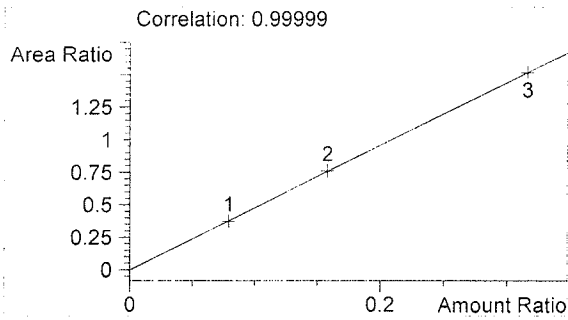
blank  
 Katie Hof

vial # 70

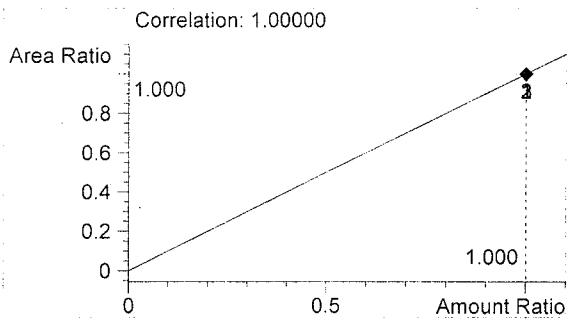


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2023	1.925

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml