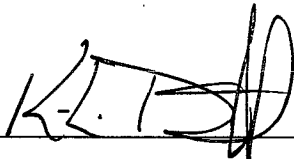


**Notice of Simulator Solution File Review**

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.

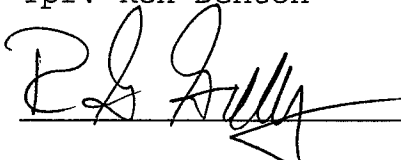
Where computation values changed for a specific batch number, the analysts employed by the State Toxicology Laboratory were asked to review the revisions, ensure the solution complied with the criteria established by the State Toxicologist and then re-sign their affidavit. Their signature will appear 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 KOEN BRENTON / ROB GULLBERG Date 10-1-07  
Location TD4 LAB SEATTLE Batch Number D6038

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 **0.08** g/210L Quality Assurance solution  
 Batch number **06038** Date: 10/4/2006  
 Preparation: 22.2 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	0.098	0.097	0.098													
2	0.098	0.097	0.099													
3	0.099	0.098	0.100													
4	0.099	0.097	0.099													
5	0.099	0.097	0.099													
Ctrl	0.099	0.100	0.100													

**External Control:**  
 Lot #: A041837 Exp date: 04/2010  
 Target concentration: 0.10 g/100mL

**Statistics:**  
 Avg. solution concent.: 0.0983 g/100 mL  
 SD: 0.00096  
 Range (3xSD): 0.0954 to 0.1012  
 Precision CV (%): 0.9778 %

**Equivalent vapor concent.:** 0.0799 g/210L

Analyst	Name	Signature	Date
1	Brianne Akins	<i>Brianne Akins</i>	10/09/2006
2	Christopher S Johnston	<i>Christopher S Johnston</i>	10/04/2006
3	Sarah M. Swenson	<i>Sarah M. Swenson</i>	10/05/2006
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Prepared by: Brianne Akins according to the approved protocol

**WASHINGTON STATE TOXICOLOGY LABORATORY**  
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 2203 AIRPORT WAY S, SUITE 360  
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Preparation and certification of **0.08** g/210L Quality Assurance solution  
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	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	0.098	0.097	0.098													
2	0.098	0.097	0.099													
3	0.099	0.098	0.100													
4	0.099	0.097	0.099													
5	0.099	0.097	0.099													
Ctrl	0.099	0.100	0.100													

**External Control:**  
 Lot #: \_\_\_\_\_ Exp date: \_\_\_\_\_  
 Target concentration: 0.10 g/100mL

**Statistics:**  
 Avg solution concent.: 0.0983 g/100 mL  
 SD: 0.00096  
 Range (3xSD): 0.0954 to 0.1012  
 Precision CV (%): 0.9778 %

**Equivalent vapor concent.:** 0.0799 g/210L

Analyst	Name	Signature	Date
1	Brianne Akins	<i>Brianne E. Akins</i>	10/09/2006
2	Christopher S Johnston	<i>Christopher S Johnston</i>	10/04/2006
3	Sarah M. Swenson	<i>Sarah M. Swenson</i>	10/05/2006
4			
5			
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7			
8			
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10			
11			
12			
13			
14			
15			
16			

Prepared by: Brianne Akins 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, Brianne E. Akins, 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 Biology.

The quality assurance solution, Lot Number 06038, was prepared in the Washington State Toxicology Laboratory on 10/4/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.0983 grams per 100ml.

Dated: 10/10/2006  
Seattle, WA

*Brianne E. Akins*

Brianne E. Akins  
Forensic Toxicologist

BEA/ks  
BAQA

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.

*Brianne E. Akins 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

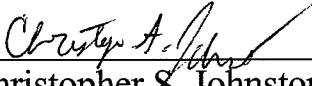
I, Christopher S. Johnston, do certify under penalty of perjury that:

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.

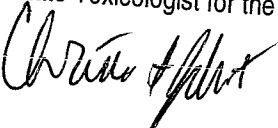
The quality assurance solution, Lot Number 06038, was prepared in the Washington State Toxicology Laboratory on 10/4/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.0983 grams per 100ml.

Dated: 10/10/2006  
Seattle, WA

  
\_\_\_\_\_  
Christopher S. Johnston  
Forensic Toxicologist

CSJ/ks  
CJQA

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.

 10.05.07



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, Sarah Swenson, 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 over three years of experience in forensic toxicology.


The quality assurance solution, Lot Number 06038, was prepared in the Washington State Toxicology Laboratory on 10/4/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.0983 grams per 100ml.

Dated: 10/10/2006  
Seattle, WA

  
Sarah Swenson  
Forensic Toxicologist

SMS/ks  
SSQA

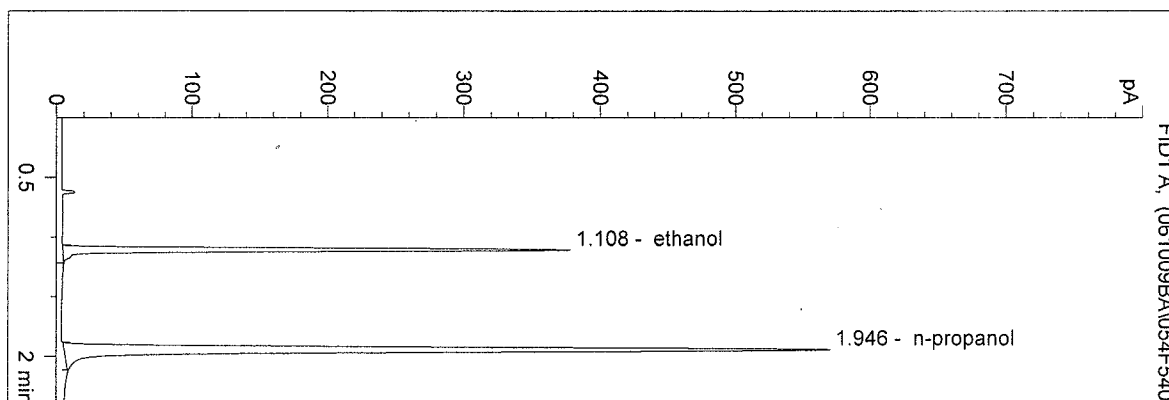
A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions.

  
10/5/07

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

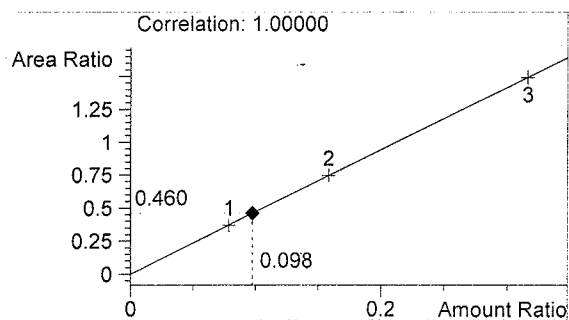
QA 06038 A  
 Brianne E. Akins

vial # 54

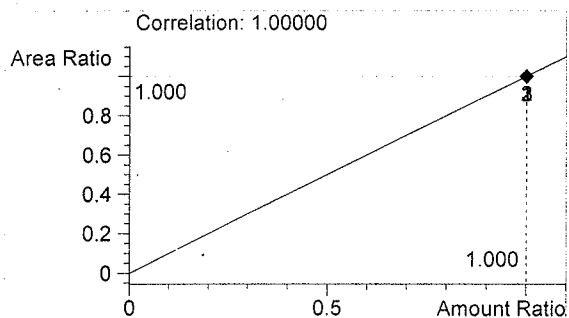


#	Compound	Area	RT
1	ethanol	772	1.108
2	n-propanol	1676	1.946

Totals:



ethanol 0.098 g/100ml



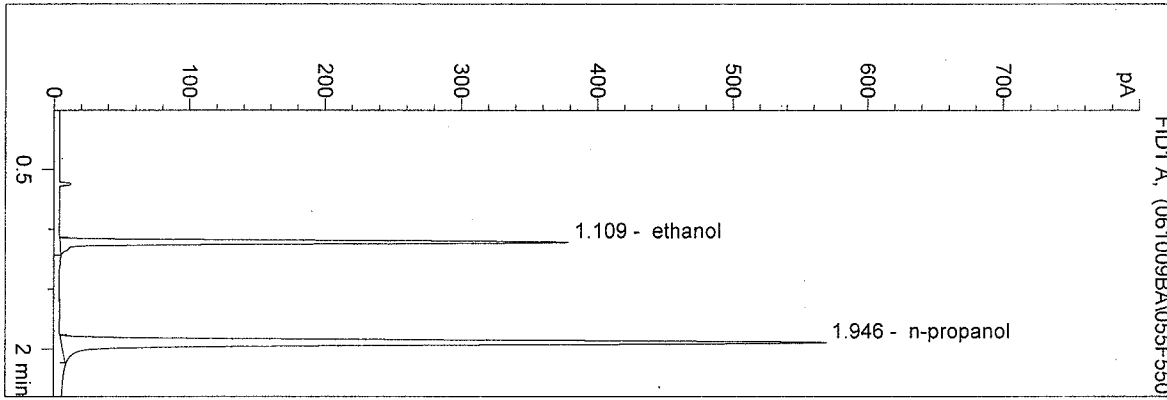
n-propanol 1.000 g/100ml



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 Instrument 5  
 DB-ALC2

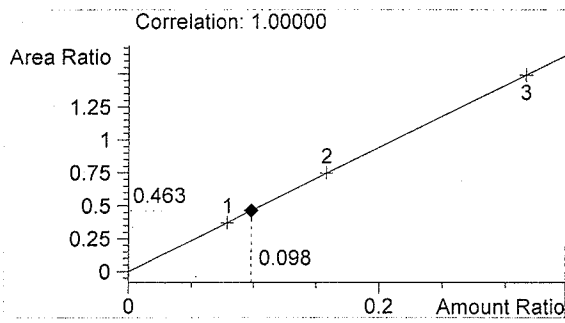
QA 06038 B  
 Brianne E. Akins

vial # 55

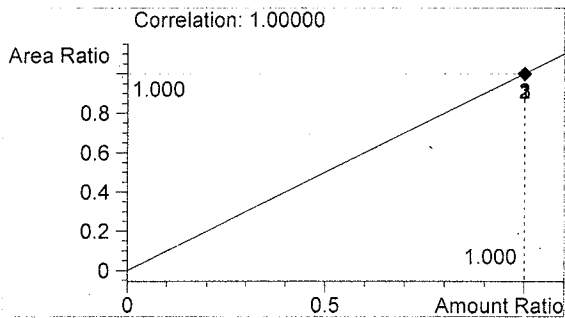


#	Compound	Area	RT
1	ethanol	774	1.109
2	n-propanol	1671	1.946

Totals:



ethanol 0.098 g/100ml

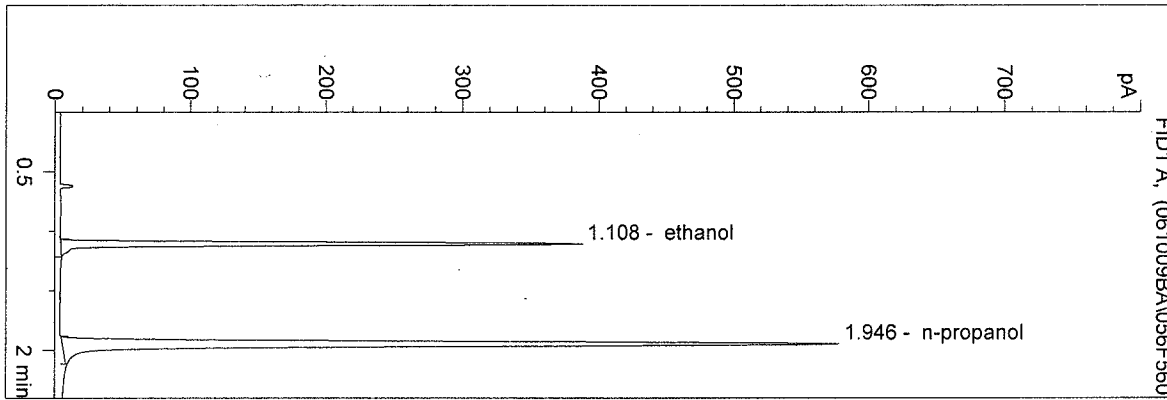


n-propanol 1.000 g/100ml

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 10/9/2006 1:41:06 PM  
 Instrument 5  
 DB-ALC2

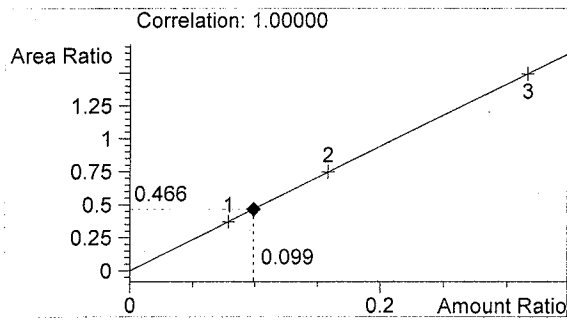
QA 06038 C  
 Brianne E. Akins

vial # 56

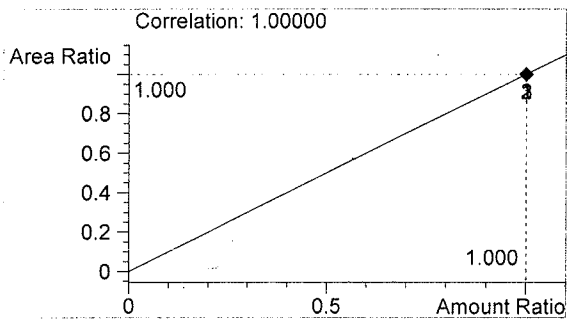


#	Compound	Area	RT
1	ethanol	794	1.108
2	n-propanol	1702	1.946

Totals:



ethanol 0.099 g/100ml

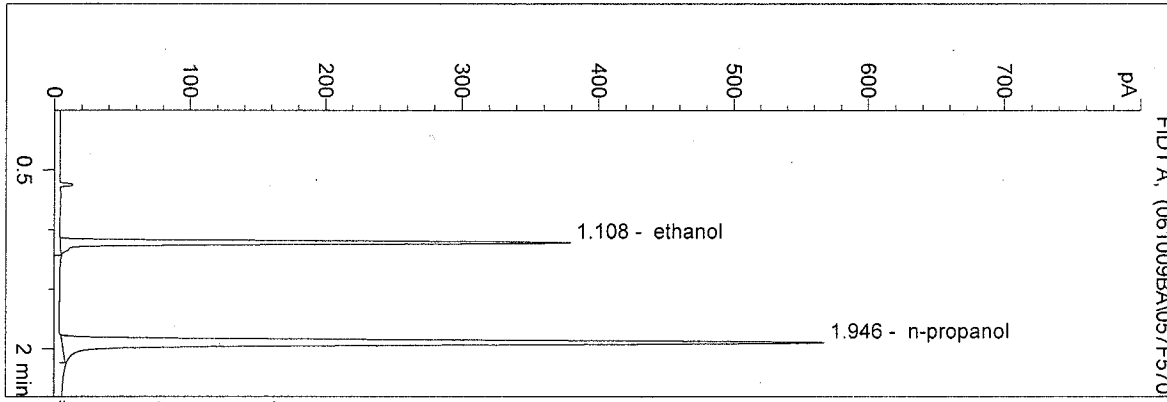


n-propanol 1.000 g/100ml

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 10/9/2006 1:44:46 PM  
 Instrument 5  
 DB-ALC2

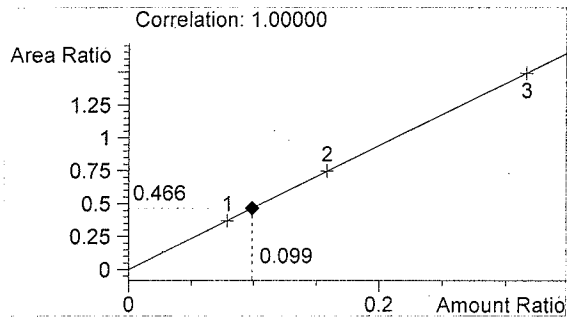
QA 06038 D  
 Brianne E. Akins

vial # 57

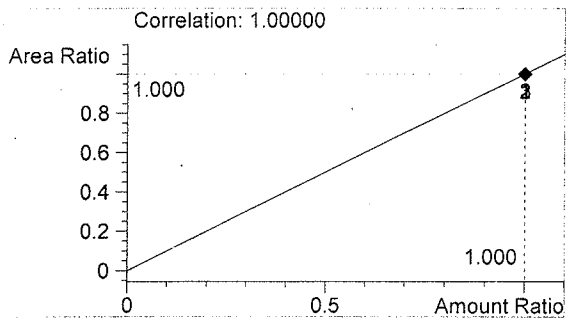


#	Compound	Area	RT
1	ethanol	777	1.108
2	n-propanol	1669	1.946

Totals:



ethanol 0.099 g/100ml

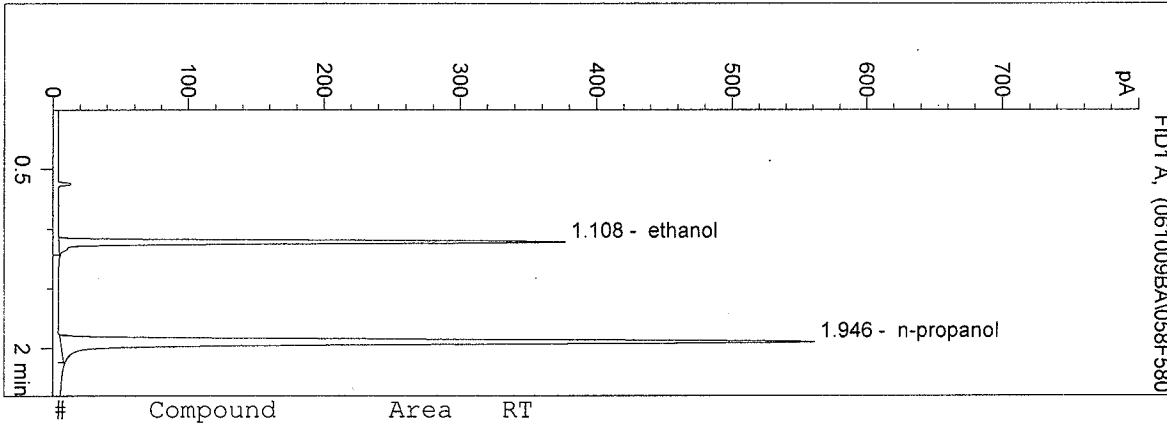


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 10/9/2006 1:48:25 PM  
 Instrument 5  
 DB-ALC2

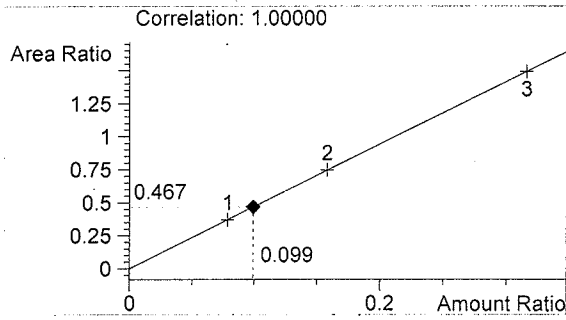
QA 06038 E  
 Brianne E. Akins

vial # 58

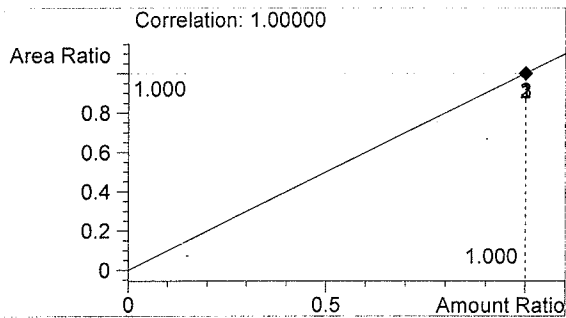


#	Compound	Area	RT
1	ethanol	771	1.108
2	n-propanol	1649	1.946

Totals:



ethanol 0.099 g/100ml

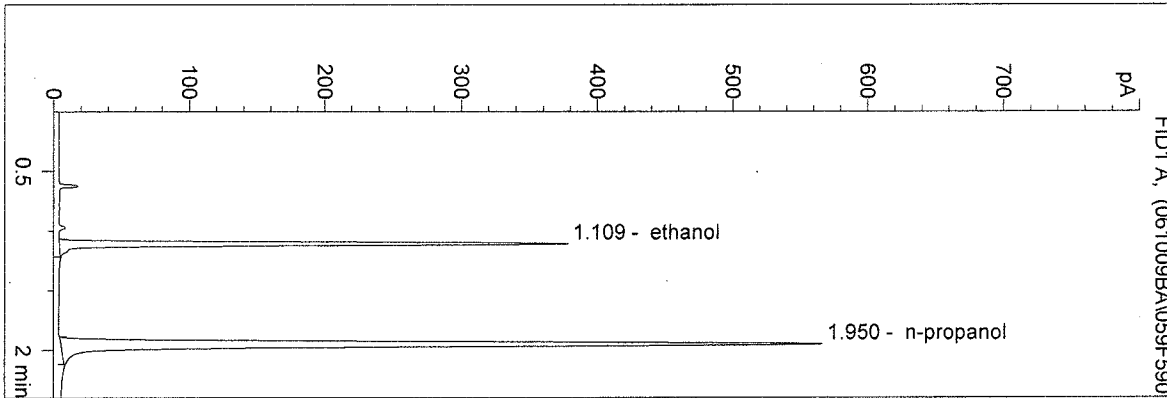


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 10/9/2006 1:53:09 PM  
 Instrument 5  
 DB-ALC2

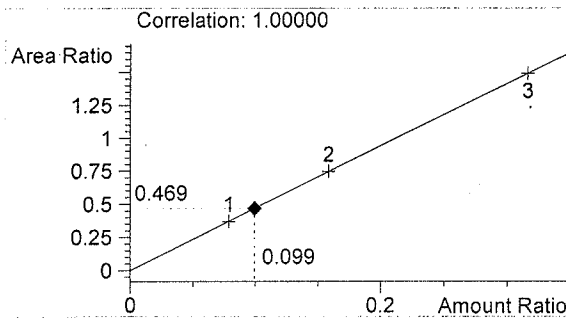
0.10 CONTROL-BA  
 Brianne E. Akins

vial # 59

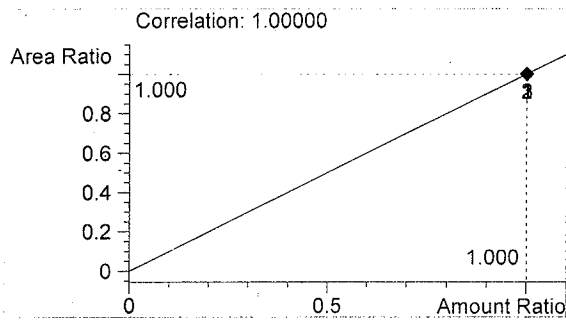


#	Compound	Area	RT
1	ethanol	783	1.109
2	n-propanol	1670	1.950

Totals:



ethanol 0.099 g/100ml

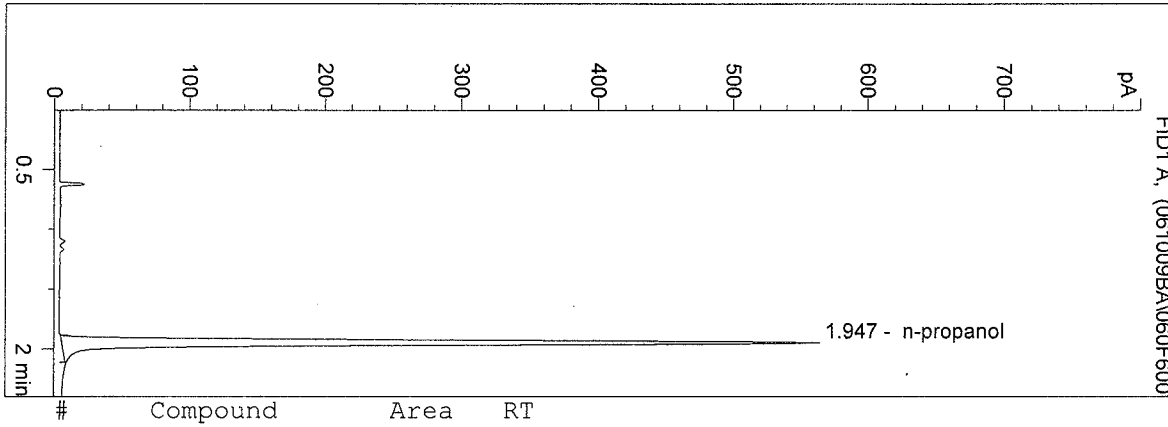


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 10/9/2006 1:56:41 PM  
 Instrument 5  
 DB-ALC2

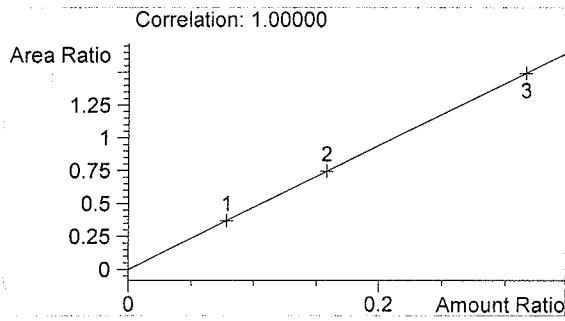
BLANK  
 Brianne E. Akins

vial # 60

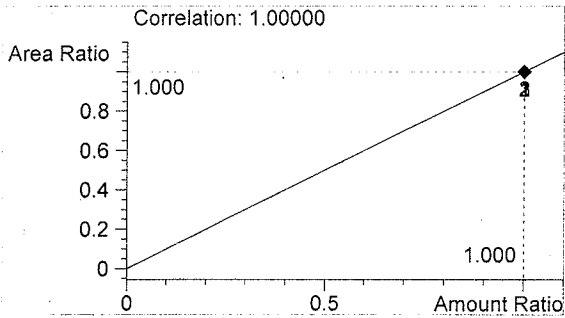


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1660	1.947

Totals:



ethanol 0.000 g/100ml

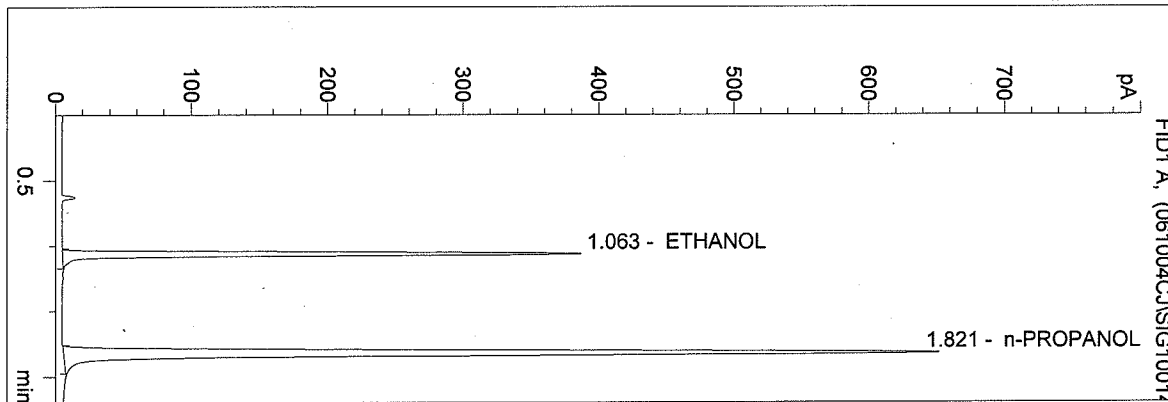


n-propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 10/4/2006 4:50:21 PM  
 Instrument 3  
 db-alc2

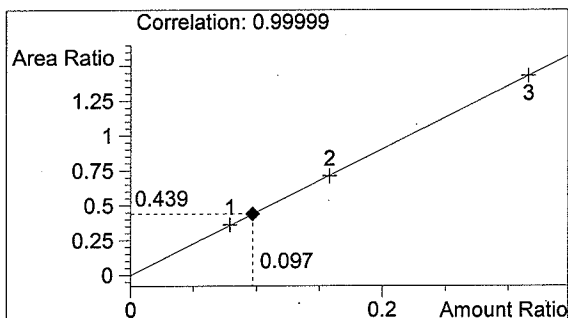
06038 QA 0.08  
 Chris Johnston

vial # 14



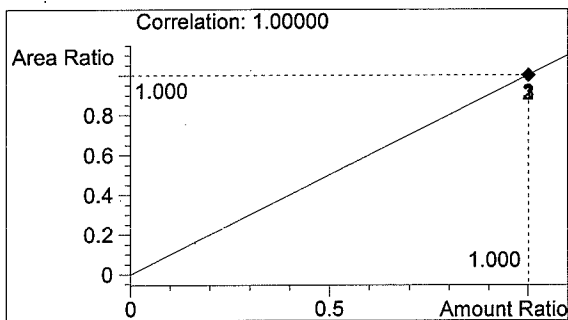
#	Compound	Area	RT
1	ETHANOL	796	1.063
2	n-PROPANOL	1812	1.821

Totals:



ETHANOL

0.097 g/100ml



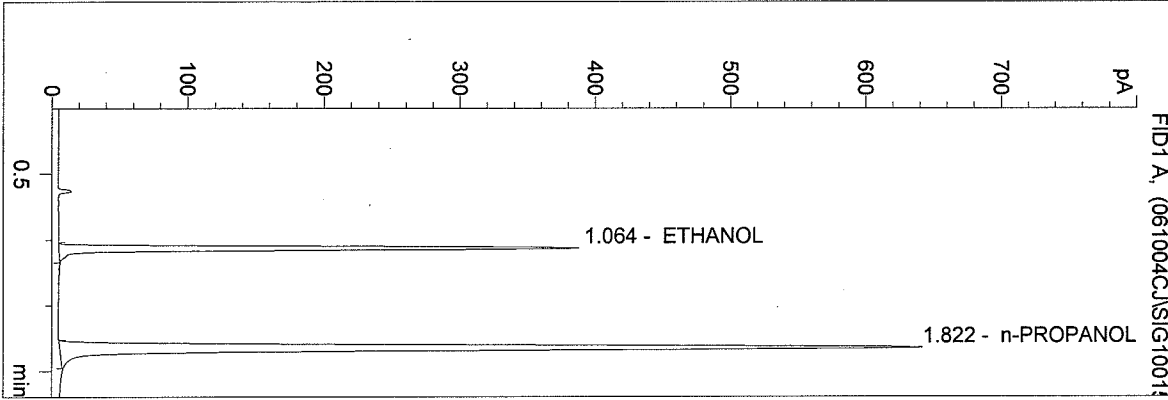
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 10/4/2006 4:53:28 PM  
 Instrument 3  
 db-alc2

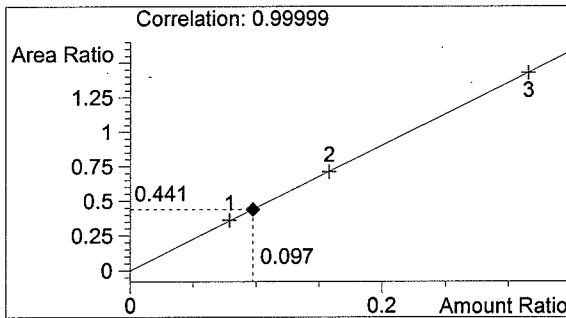
06038 QA 0.08  
 Chris Johnston

vial # 15



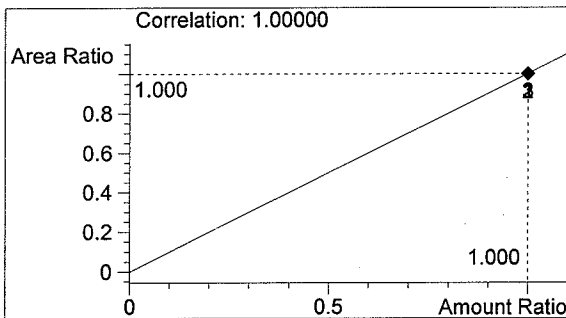
#	Compound	Area	RT
1	ETHANOL	786	1.064
2	n-PROPANOL	1783	1.822

Totals:



ETHANOL

0.097 g/100ml



n-PROPANOL

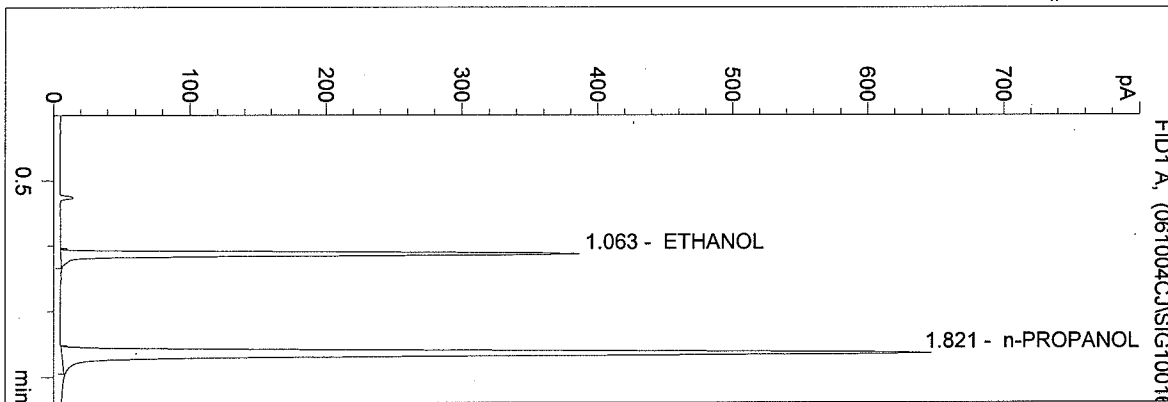
1.000 g/100ml



C:\HPCHEM\2\METHODS\BLDALCO3.M  
 10/4/2006 4:56:35 PM  
 Instrument 3  
 db-alc2

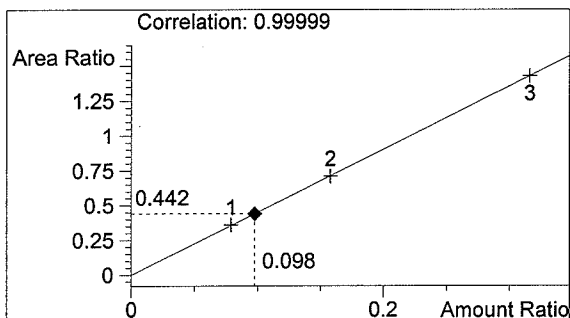
06038 QA 0.08  
 Chris Johnston

vial # 16



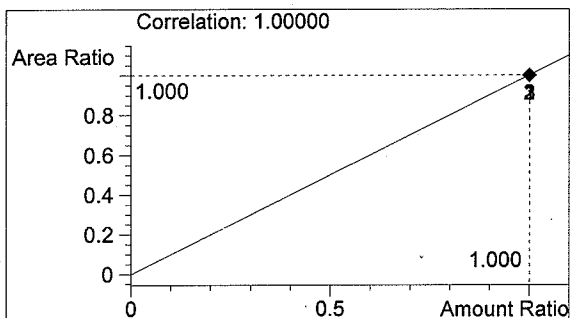
#	Compound	Area	RT
1	ETHANOL	795	1.063
2	n-PROPANOL	1797	1.821

Totals:



ETHANOL

0.098 g/100ml



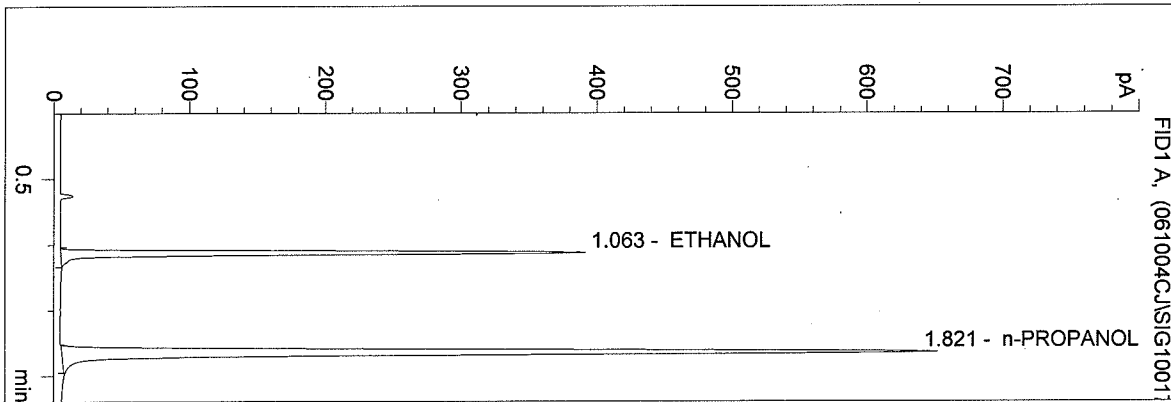
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 10/4/2006 4:59:42 PM  
 Instrument 3  
 db-alc2

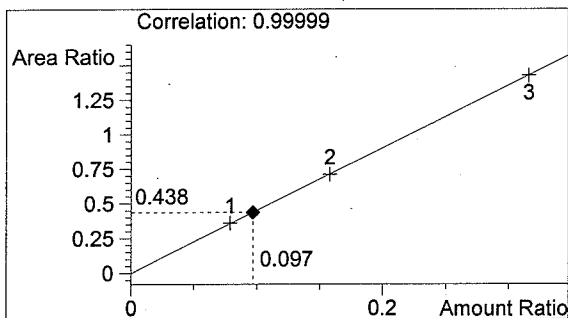
06038 QA 0.08  
 Chris Johnston

vial # 17



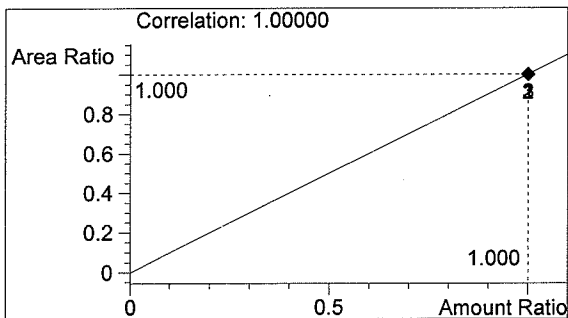
#	Compound	Area	RT
1	ETHANOL	793	1.063
2	n-PROPANOL	1808	1.821

Totals:



ETHANOL

0.097 g/100ml



n-PROPANOL

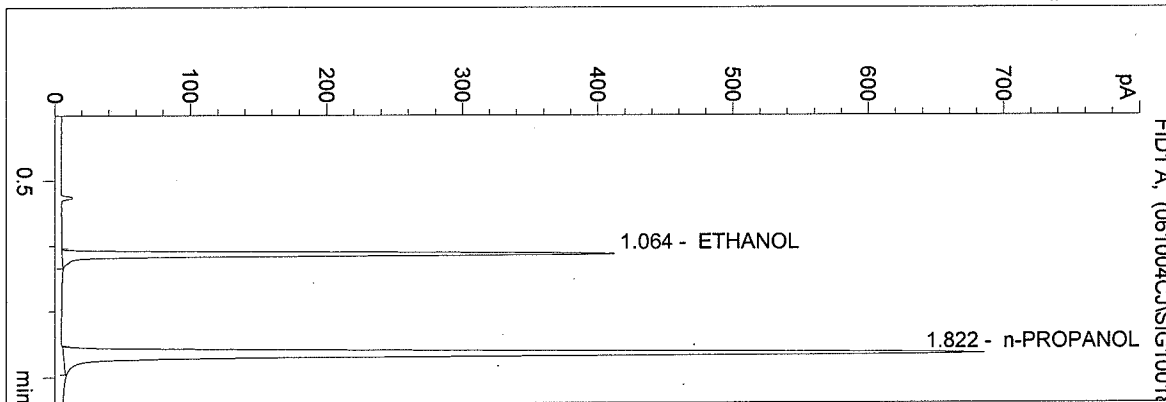
1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 10/4/2006 5:02:50 PM  
 Instrument 3  
 db-alc2

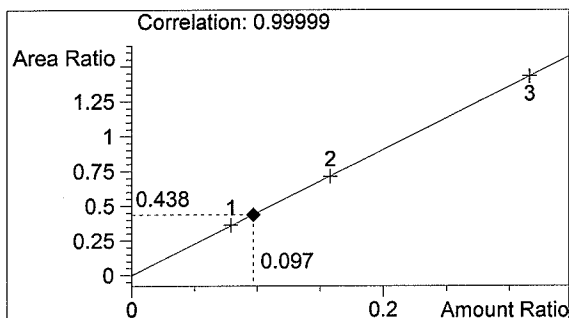
06038 QA 0.08  
 Chris Johnston

vial # 18



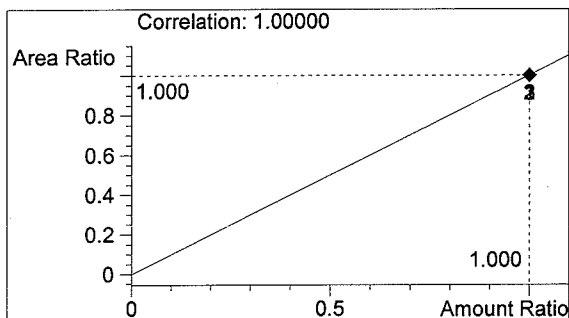
#	Compound	Area	RT
1	ETHANOL	832	1.064
2	n-PROPANOL	1899	1.822

Totals:



ETHANOL

0.097 g/100ml



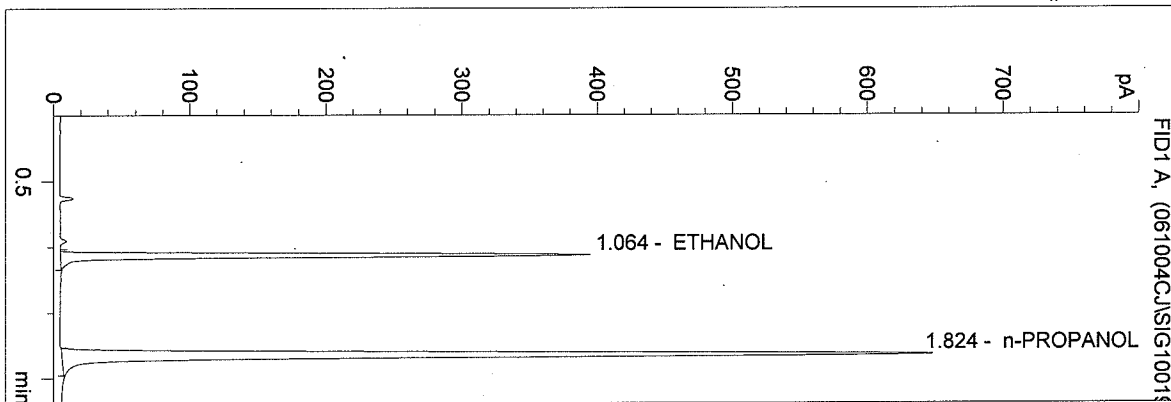
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 10/4/2006 5:05:57 PM  
 Instrument 3  
 db-alc2

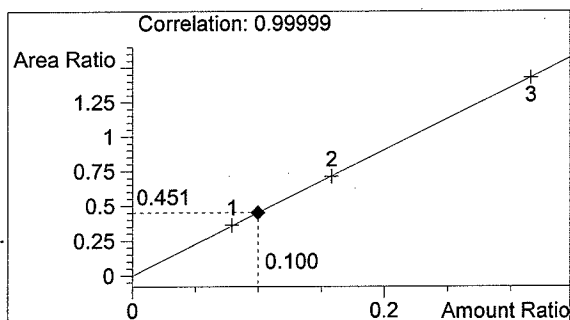
0.10 CONTROL-CJ  
 Chris Johnston

vial # 19



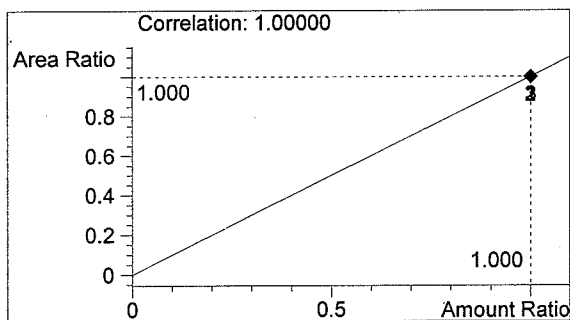
#	Compound	Area	RT
1	ETHANOL	812	1.064
2	n-PROPANOL	1802	1.824

Totals:



ETHANOL

0.100 g/100ml



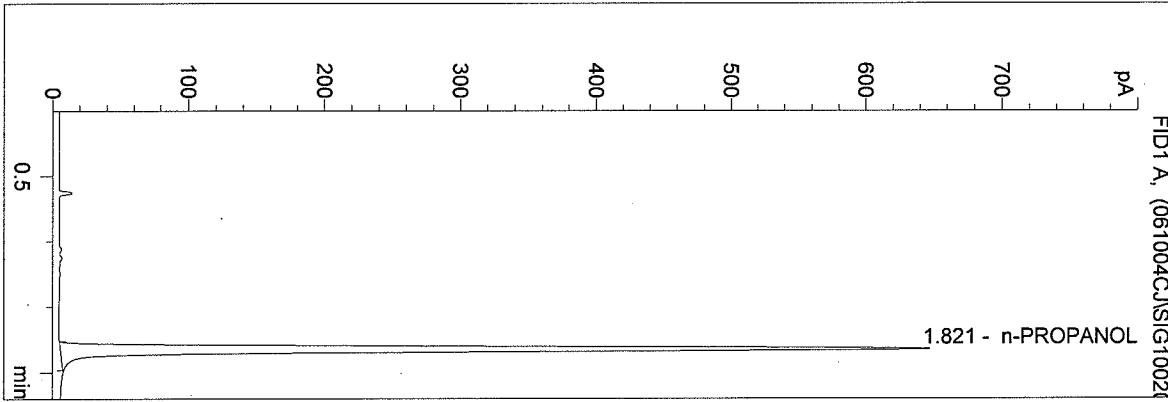
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 10/4/2006 5:09:04 PM  
 Instrument 3  
 db-alc2

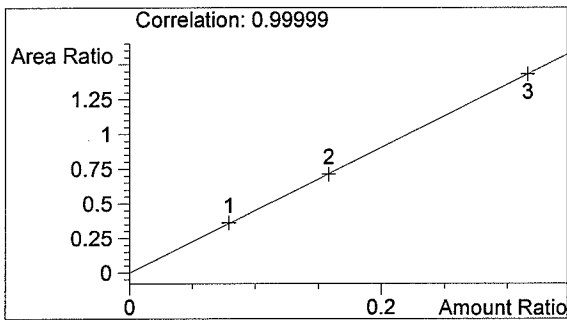
BLANK  
 Chris Johnston

vial # 20



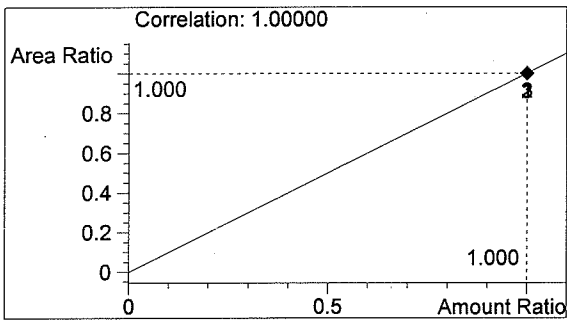
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1799	1.821

Totals:



ETHANOL

0.000 g/100ml



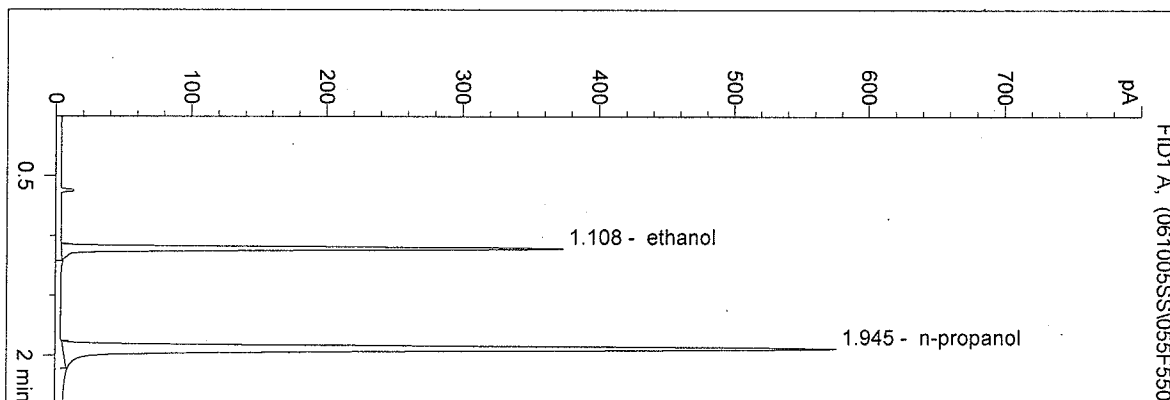
n-PROPANOL

1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 10/5/2006 2:16:00 PM  
 Instrument 5  
 DB-ALC2

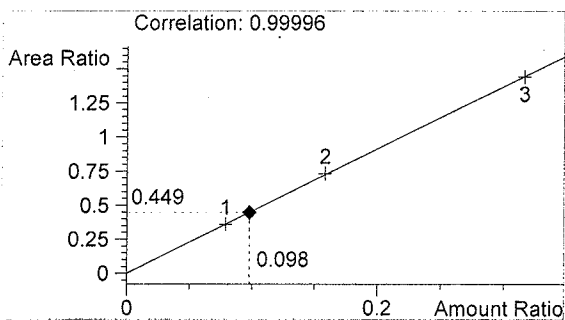
06038-1  
 SARAH SWENSON

vial # 55

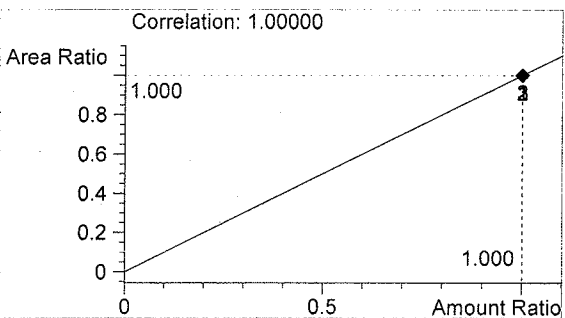


#	Compound	Area	RT
1	ethanol	757	1.108
2	n-propanol	1688	1.945

Totals:



ethanol 0.098 g/100ml

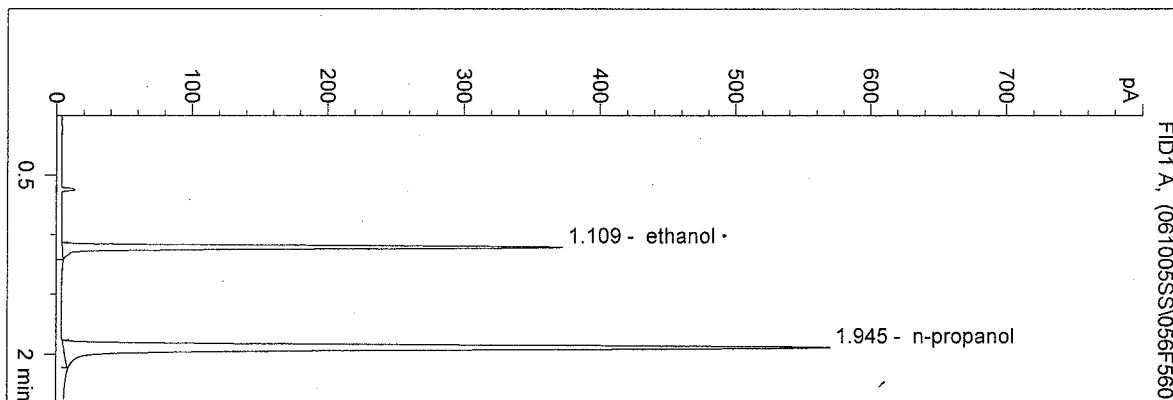


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 10/5/2006 2:20:37 PM  
 Instrument 5  
 DB-ALC2

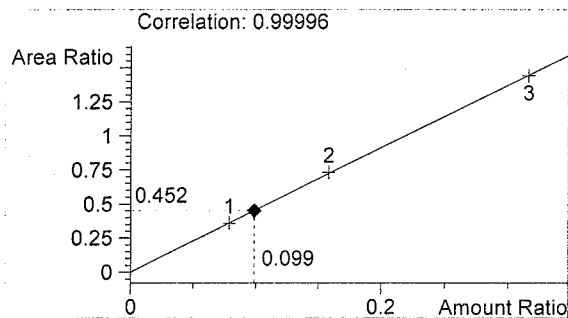
06038-2  
 SARAH SWENSON

vial # 56

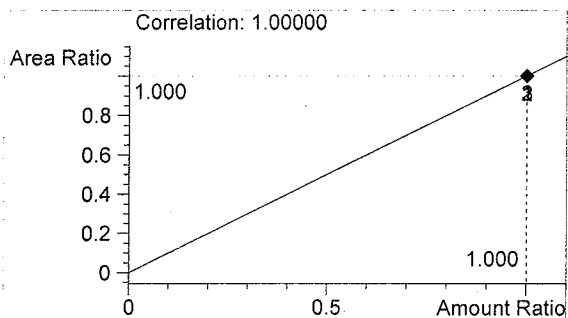


#	Compound	Area	RT
1	ethanol	756	1.109
2	n-propanol	1672	1.945

Totals:



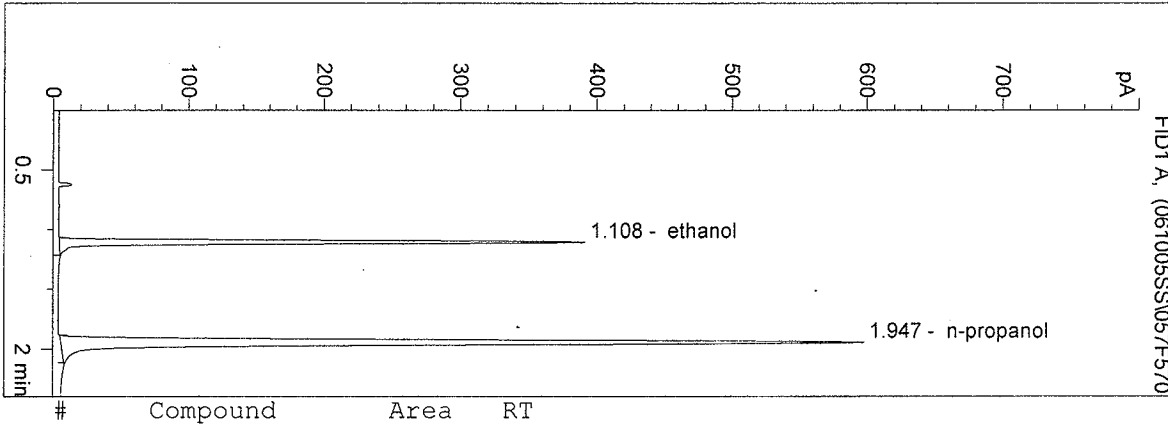
ethanol 0.099 g/100ml



n-propanol 1.000 g/100ml

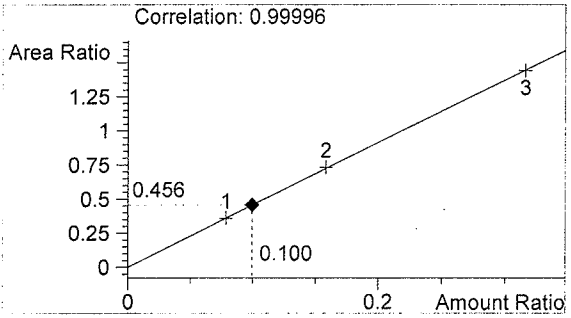
D:\HPCHEM\1\METHODS\BLDALCO2.M  
 10/5/2006 2:23:59 PM  
 Instrument 5  
 DB-ALC2

06038-3  
 SARAH SWENSON  
 vial # 57

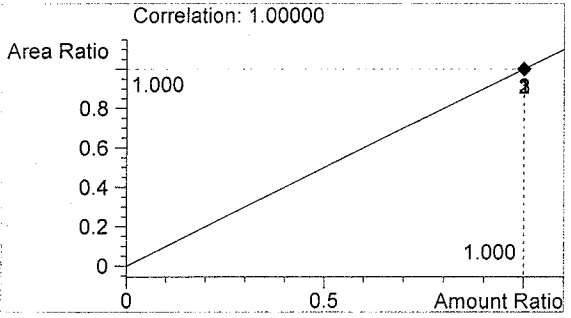


#	Compound	Area	RT
1	ethanol	799	1.108
2	n-propanol	1751	1.947

Totals:



ethanol 0.100 g/100ml



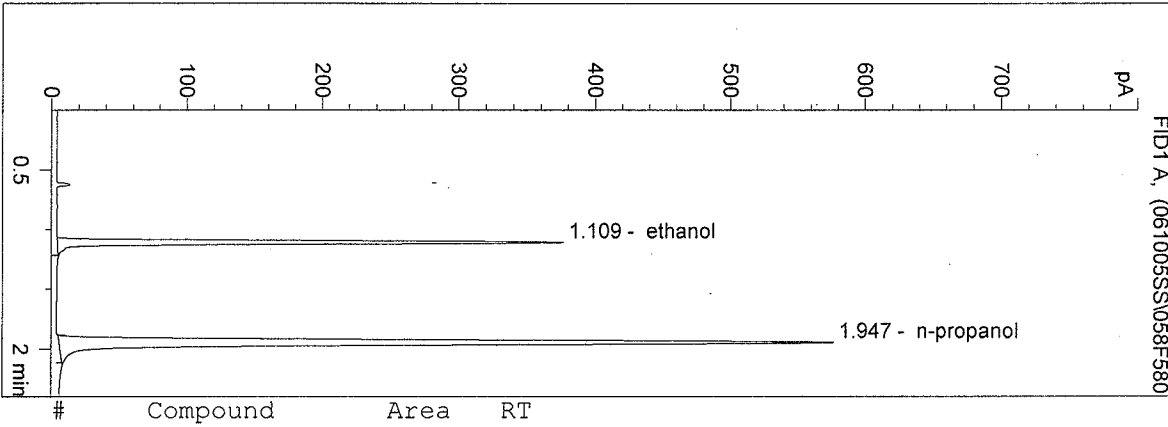
n-propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO2.M  
 10/5/2006 2:27:55 PM  
 Instrument 5  
 DB-ALC2

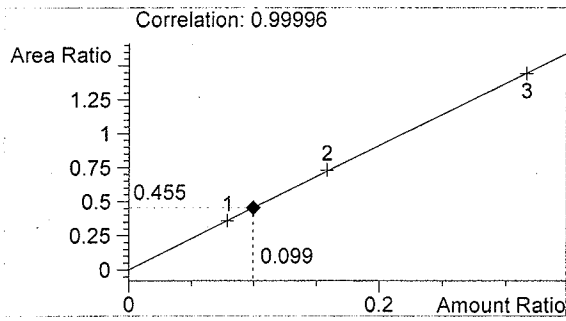
06038-4  
 SARAH SWENSON

vial # 58

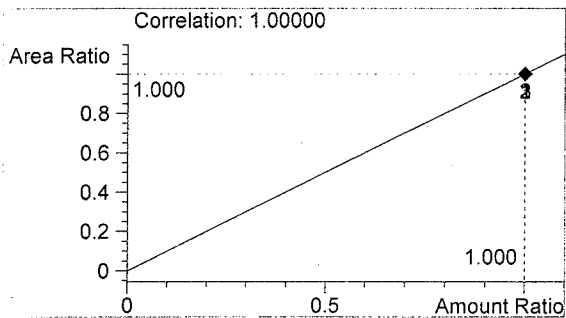


#	Compound	Area	RT
1	ethanol	770	1.109
2	n-propanol	1691	1.947

Totals:



ethanol 0.099 g/100ml

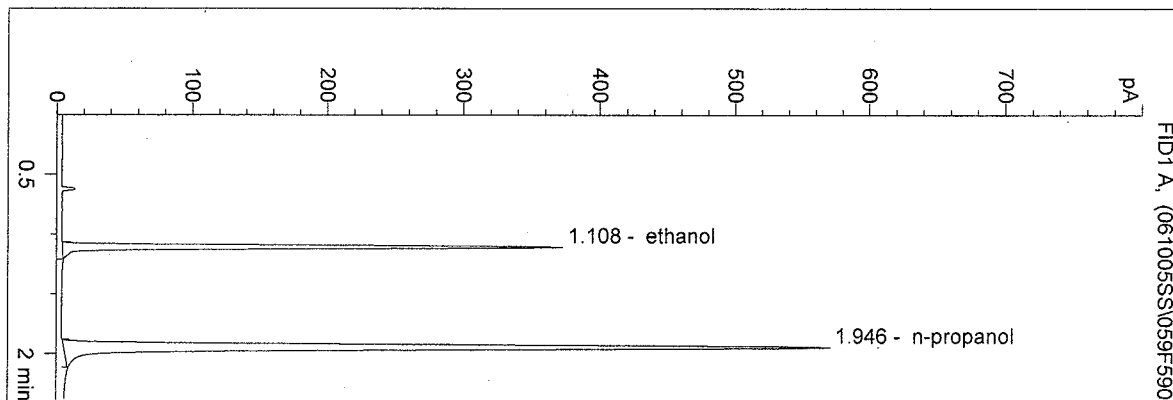


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 10/5/2006 2:32:40 PM  
 Instrument 5  
 DB-ALC2

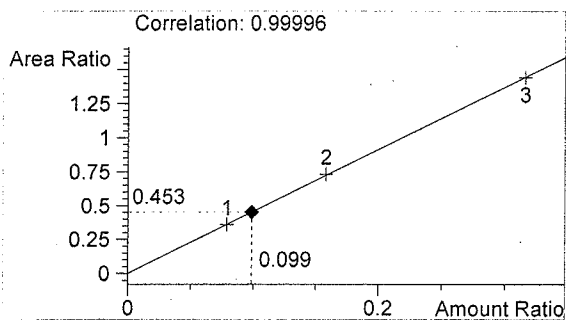
06038-5  
 SARAH SWENSON

vial # 59

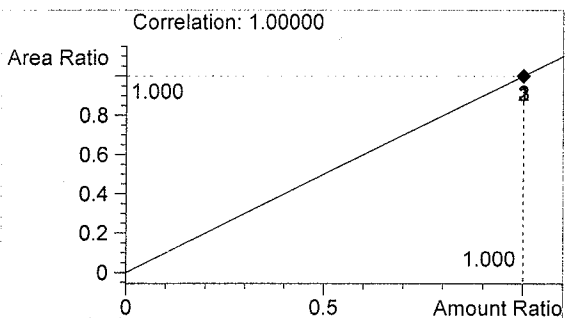


#	Compound	Area	RT
1	ethanol	757	1.108
2	n-propanol	1673	1.946

Totals:



ethanol 0.099 g/100ml

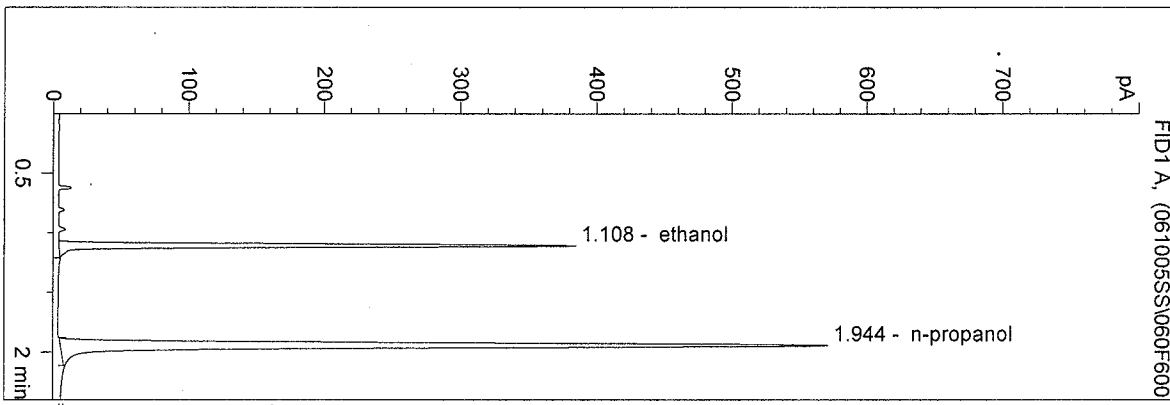


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 10/5/2006 2:35:53 PM  
 Instrument 5  
 DB-ALC2

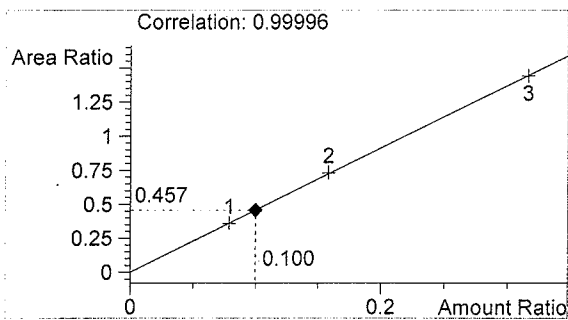
0.10 CTL-SS  
 SARAH SWENSON

vial # 60

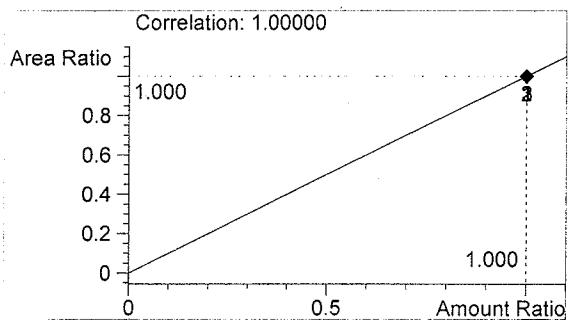


#	Compound	Area	RT
1	ethanol	763	1.108
2	n-propanol	1671	1.944

Totals:



ethanol 0.100 g/100ml

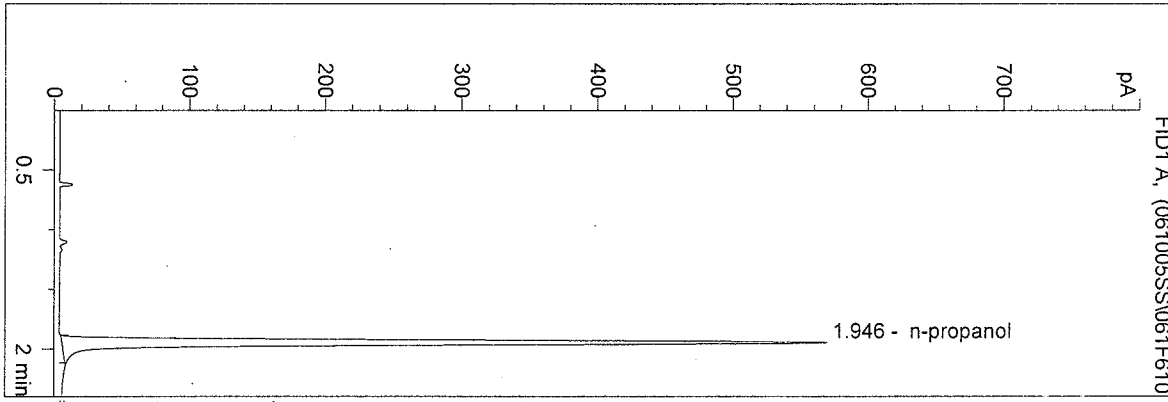


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 10/5/2006 2:39:52 PM  
 Instrument 5  
 DB-ALC2

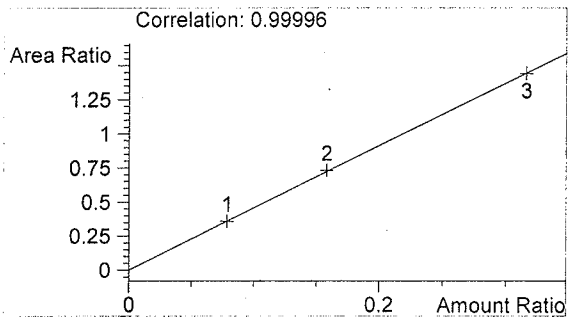
BLANK  
 SARAH SWENSON

vial # 61

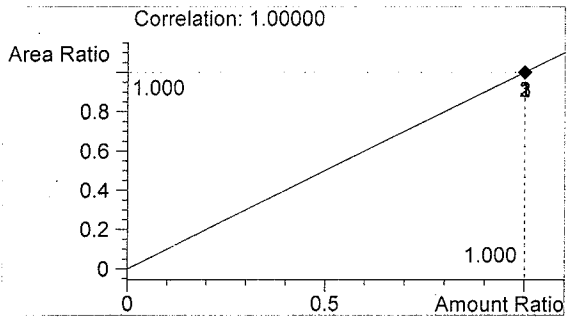


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1673	1.946

Totals:



ethanol 0.000 g/100ml



n-propanol 1.000 g/100ml