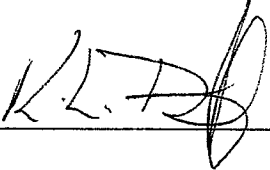
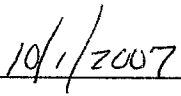
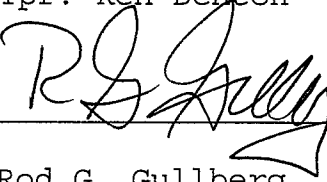
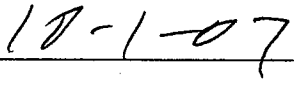


## Notice of Simulator Solution File Review

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.

	
Tpr. Ken Denton	Date
	
Rod G. Gullberg	Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN BENTON / ROD GUNBERG Date 9-27-07  
Location TOX LAB SEATTLE Batch Number 07021

Form Review Criteria

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

Computations:

Avg. solution concentration: Correct X Not Correct \_\_\_  
Standard deviation: Correct X Not Correct \_\_\_  
Range: Correct X Not Correct \_\_\_  
Precision: Correct X Not Correct \_\_\_  
Equivalent vapor concent.: Correct X Not Correct \_\_\_  
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:

DATE OF ANALYSIS PRECEDES DATE OF PREPARATION  
AFFIDAVIT DATES WERE CORRECTING

Comments:

Reviewer Signature: [Signature] Date: 9-27-07  
Reviewer Signature: [Signature] Date: 9/27/2007

**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 7/11/2007

Batch number **07021**

Date: ~~7/12/2007~~ <sup>BP</sup>

Preparation: 28.9 mL of absolute ethyl alcohol diluted to 18 Liters with water

9.28.07

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	0.126	0.127	0.128													
2	0.126	0.127	0.128													
3	0.126	0.128	0.128													
4	0.127	0.128	0.128													
5	0.127	0.127	0.129													
Ctrl	0.097	0.097	0.100													

**External Control:**

Lot #: A048730 Exp date: 3/2011  
 Target concentration: 0.10 g/100mL

**Statistics:**

Avg. solution concent.: 0.1273 g/100 mL

SD: 0.00090

Range (3xSD): 0.1246 to 0.1300

Precision CV (%): 0.7068 %

**Equivalent vapor concent.:** 0.1035 g/210L

Analyst	Name	Signature	Date
1	Brianna Peterson	<i>Brianna Peterson</i>	07/11/2007
2	Brian Capron	<i>Brian Capron</i>	07/11/2007
3	Justin L Knoy	<i>Justin L Knoy</i>	07/12/2007
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Prepared by: Brianna Peterson according to the approved protocol

CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

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, Brianna Peterson, 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, MS degree in Forensic Science, Ph.D. degree in Toxicology, and two years of experience in forensic toxicology.

The quality assurance solution, Lot Number 07021, was prepared in the Washington State Toxicology Laboratory on ~~7/12/2007~~<sup>7/13/2007</sup>. I examined and tested this solution. The mean concentration of the alcohol was 0.1273 grams per 100ml.

Dated: 7/13/2007  
Seattle, WA

Brianna Peterson  
Brianna Peterson  
Forensic Toxicologist

BP/jr  
BPQA

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.

Brianna Peterson 10-1-07



CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION

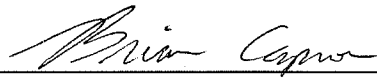
I, Brian Capron, do certify under penalty of perjury that:

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 and nine years of experience in forensic toxicology.

The quality assurance solution, Lot Number 07021, was prepared in the Washington State Toxicology Laboratory on <sup>7-11-2007</sup> ~~7/12/2007~~ <sup>BC</sup> 10-1-2007. I examined and tested this solution. The mean concentration of the alcohol was 0.1273 grams per 100ml.

Dated: 7/13/2007  
Seattle, WA

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

BC/jr  
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.

 10-1-07

CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

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

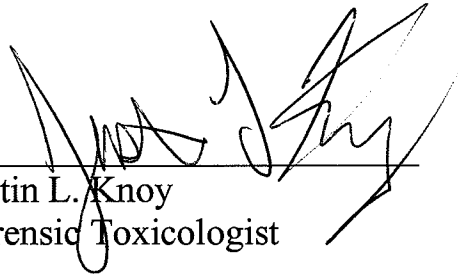
I, Justin L. Knoy, do certify under penalty of perjury that:

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, and MS degree in Forensic Science.

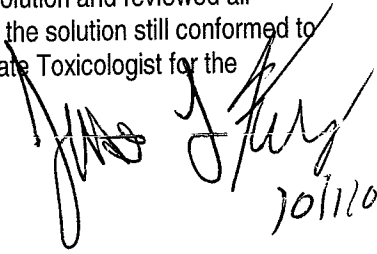
The quality assurance solution, Lot Number 07021, was prepared in the Washington State Toxicology Laboratory on <sup>7/11/07 JK 10/1/07</sup>~~7/12/2007~~. I examined and tested this solution. The mean concentration of the alcohol was 0.1273 grams per 100ml.

Dated: 7/13/2007  
Seattle, WA

  
Justin L. Knoy  
Forensic Toxicologist

JLK/jr  
JKQA

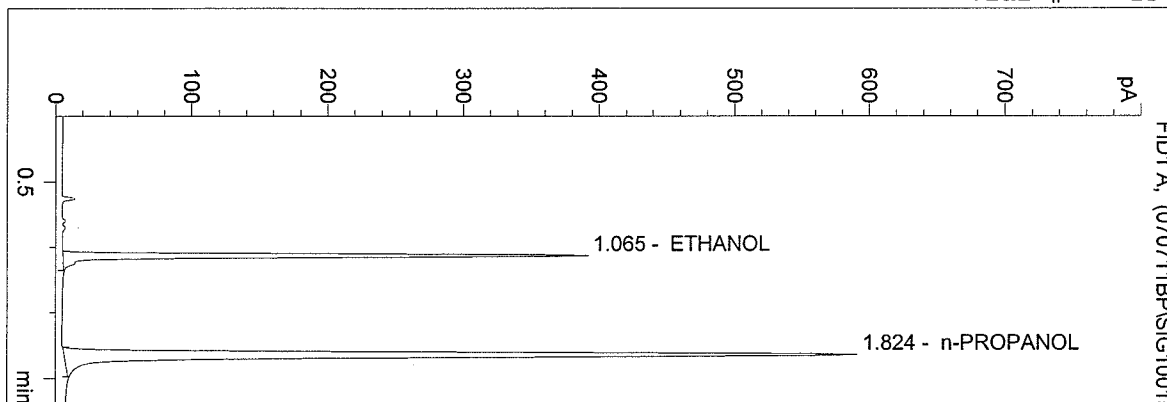
A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions.

  
10/1/07

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 4:18:13 PM  
 Instrument 3  
 db-alc2

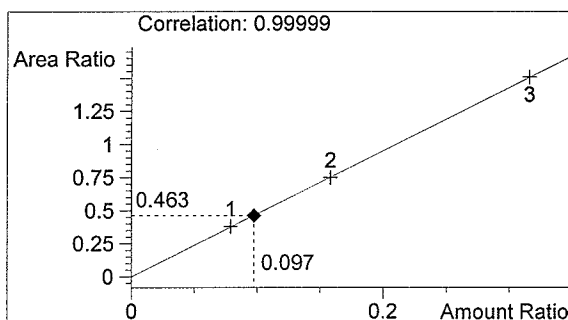
0.10 control bp  
 Brianna Peterson

vial # 15



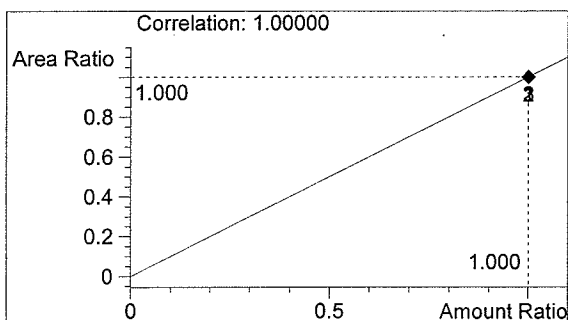
#	Compound	Area	RT
1	ETHANOL	755	1.065
2	n-PROPANOL	1629	1.824

Totals:



ETHANOL

0.097 g/100ml



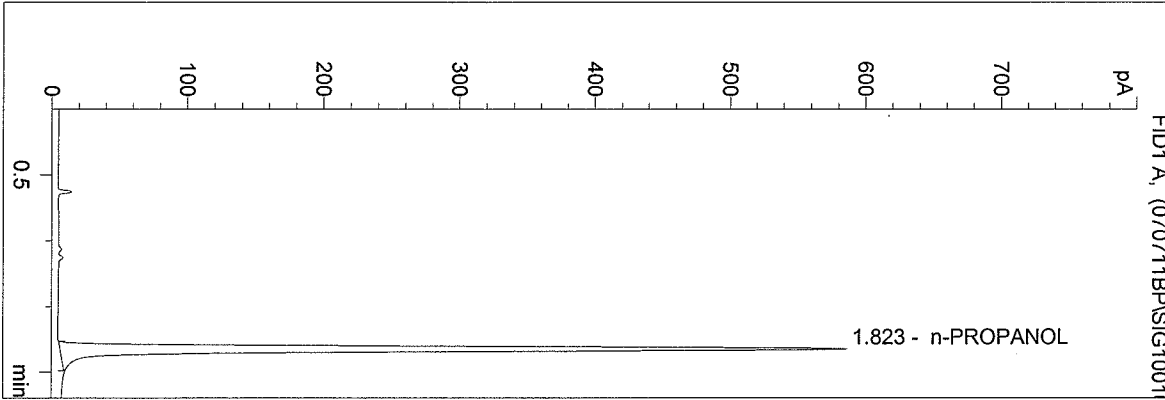
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 4:21:20 PM  
 Instrument 3  
 db-alc2

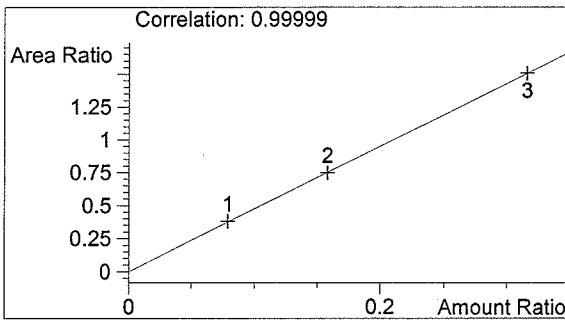
blank  
 Brianna Peterson

vial # 16



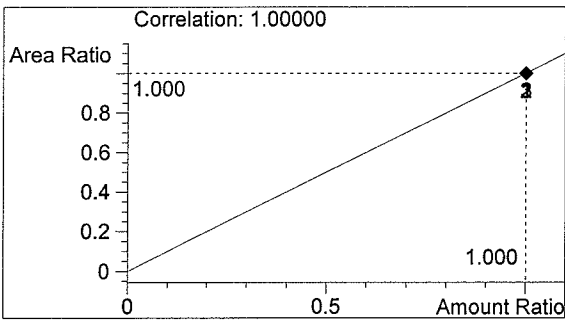
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1617	1.823

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

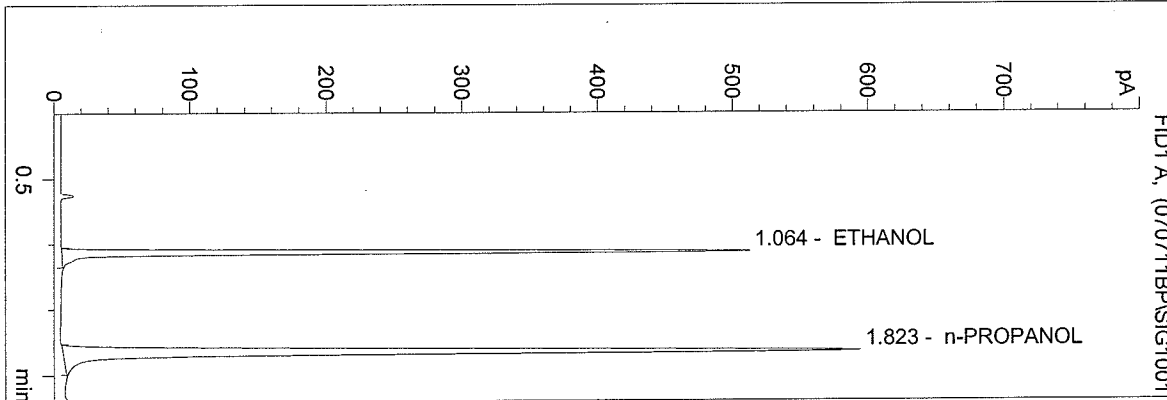
1.000 g/100ml



C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 4:24:27 PM  
 Instrument 3  
 db-alc2

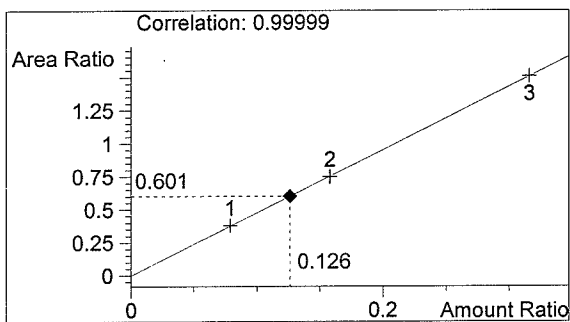
07021  
 Brianna Peterson

vial # 17



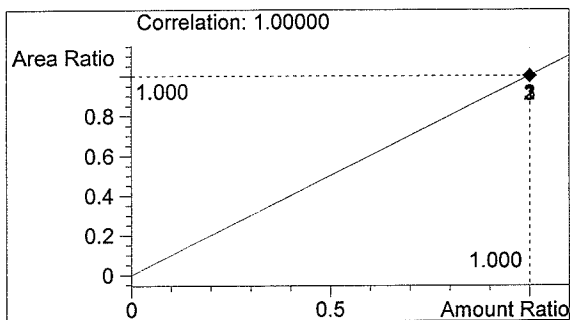
#	Compound	Area	RT
1	ETHANOL	986	1.064
2	n-PROPANOL	1640	1.823

Totals:



ETHANOL

0.126 g/100ml



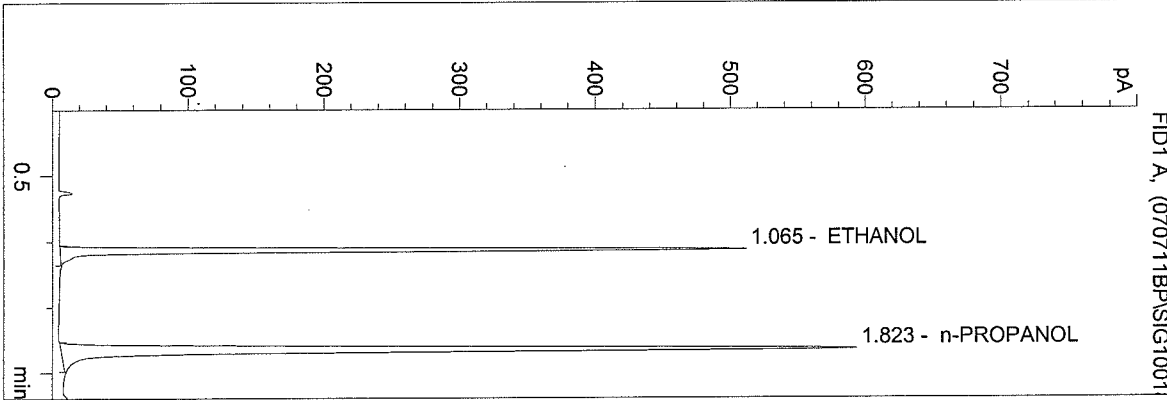
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 4:27:34 PM  
 Instrument 3  
 db-alc2

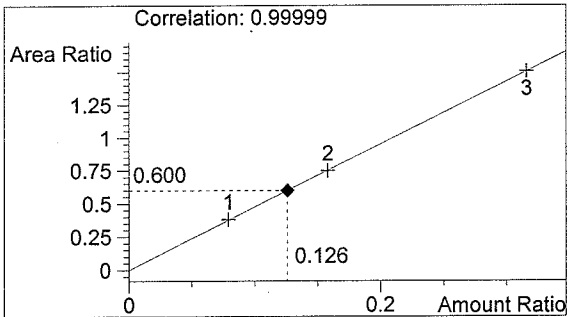
07021  
 Brianna Peterson

vial # 18



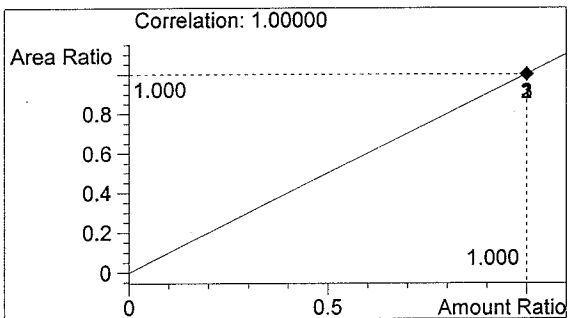
#	Compound	Area	RT
1	ETHANOL	978	1.065
2	n-PROPANOL	1630	1.823

Totals:



ETHANOL

0.126 g/100ml



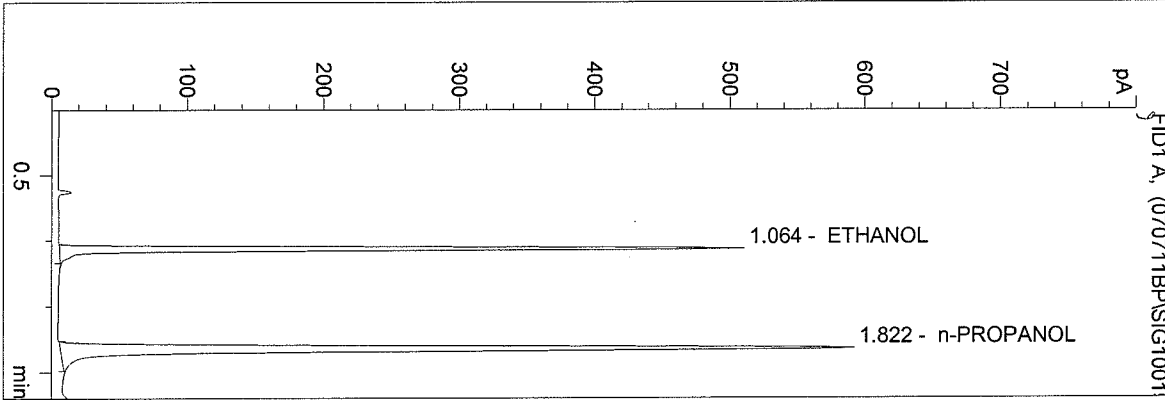
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 4:30:42 PM  
 Instrument 3  
 db-alc2

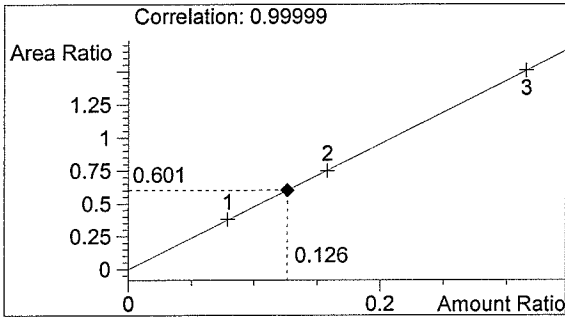
07021  
 Brianna Peterson

vial # 19



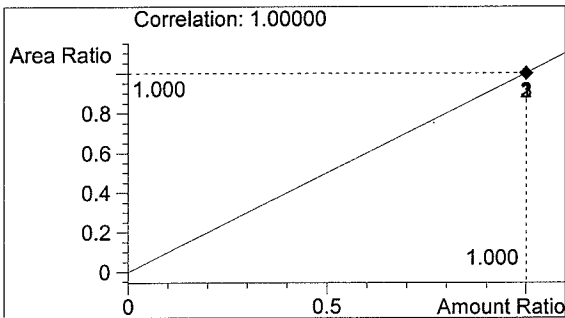
#	Compound	Area	RT
1	ETHANOL	977	1.064
2	n-PROPANOL	1627	1.822

Totals:



ETHANOL

0.126 g/100ml



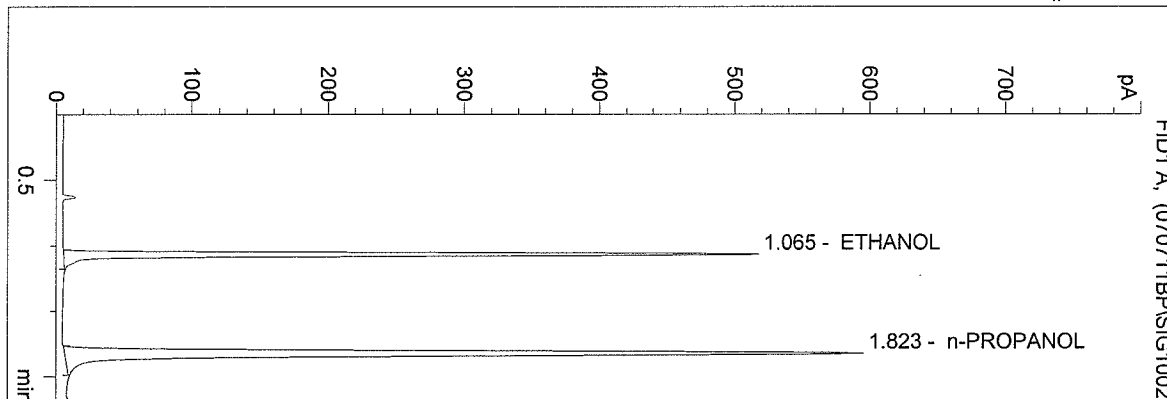
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 4:33:49 PM  
 Instrument 3  
 db-alc2

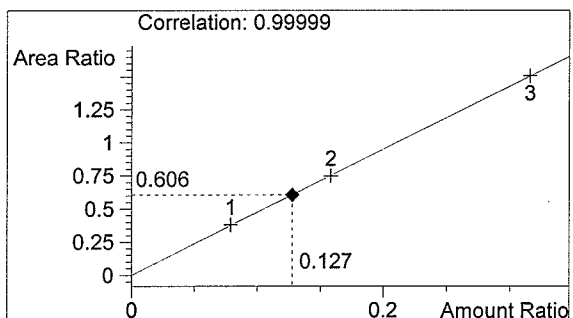
07021  
 Brianna Peterson

vial # 20



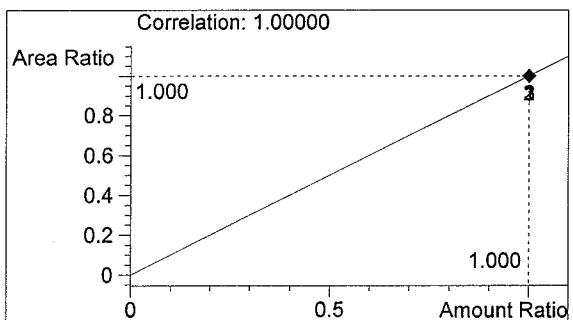
#	Compound	Area	RT
1	ETHANOL	995	1.065
2	n-PROPANOL	1640	1.823

Totals:



ETHANOL

0.127 g/100ml



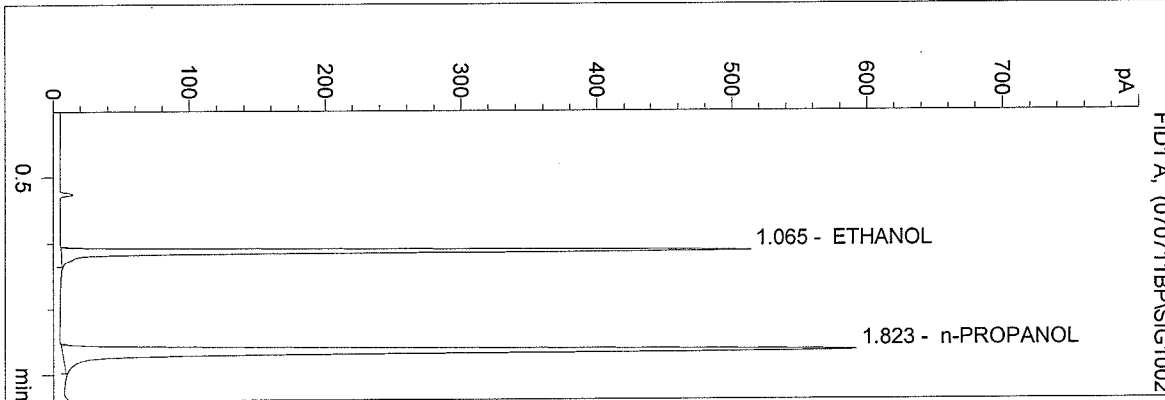
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 4:36:56 PM  
 Instrument 3  
 db-alc2

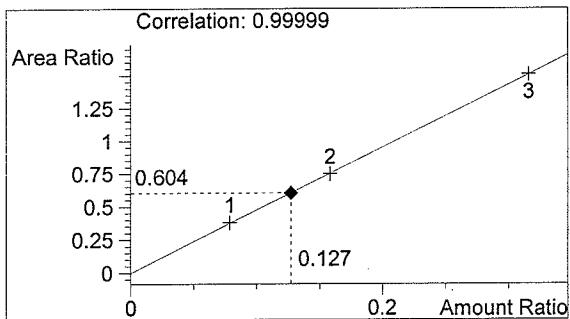
07021  
 Brianna Peterson

vial # 21



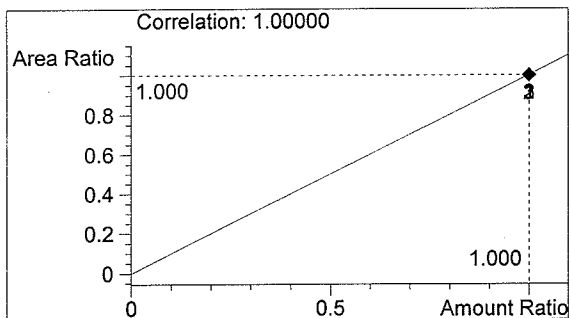
#	Compound	Area	RT
1	ETHANOL	985	1.065
2	n-PROPANOL	1630	1.823

Totals:



ETHANOL

0.127 g/100ml



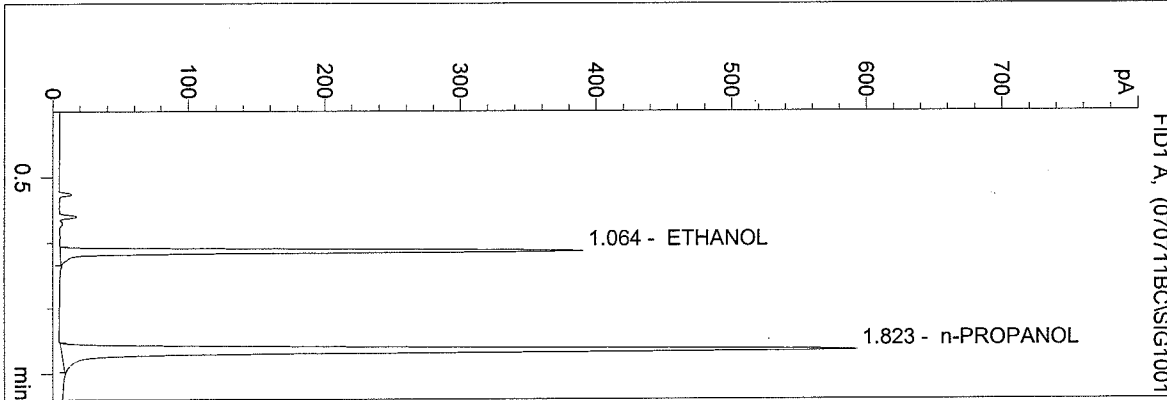
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 1:37:04 PM  
 Instrument 3  
 db-alc2

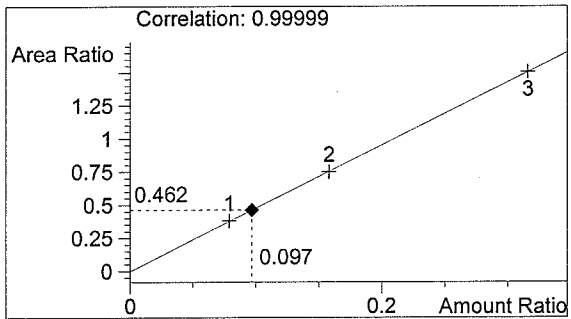
0.10 control bc  
 bcapron

vial # 15



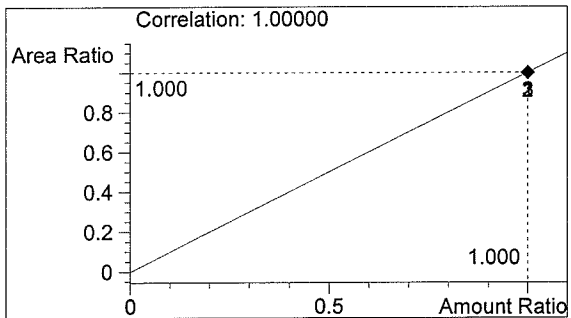
#	Compound	Area	RT
1	ETHANOL	759	1.064
2	n-PROPANOL	1644	1.823

Totals:



ETHANOL

0.097 g/100ml



n-PROPANOL

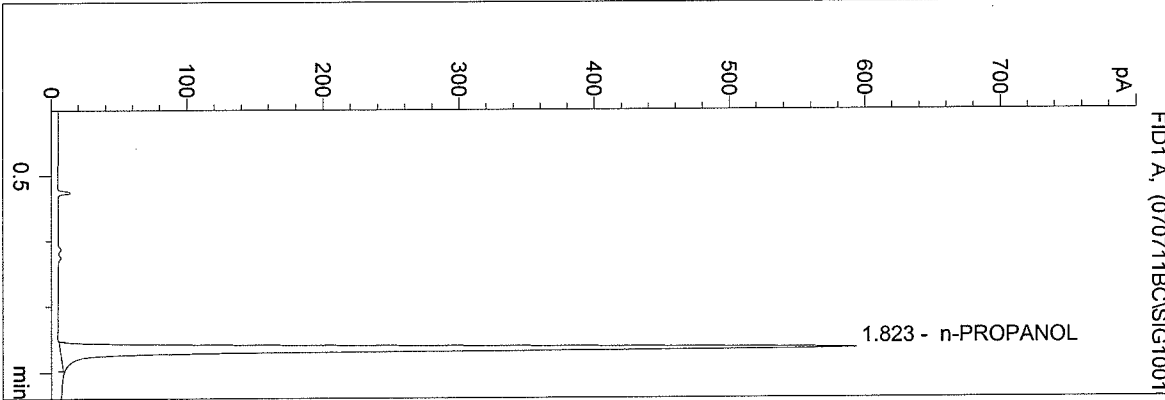
1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 1:40:11 PM  
 Instrument 3  
 db-alc2

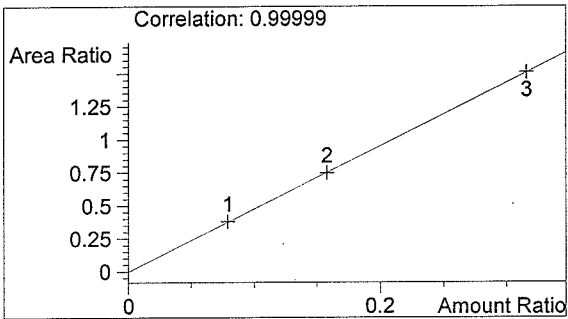
blank  
 bcapron

vial # 16



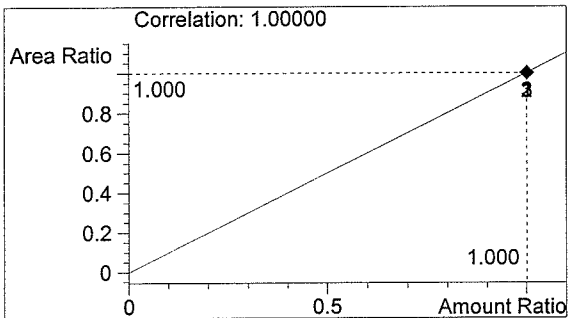
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1647	1.823

Totals:



ETHANOL

0.000 g/100ml



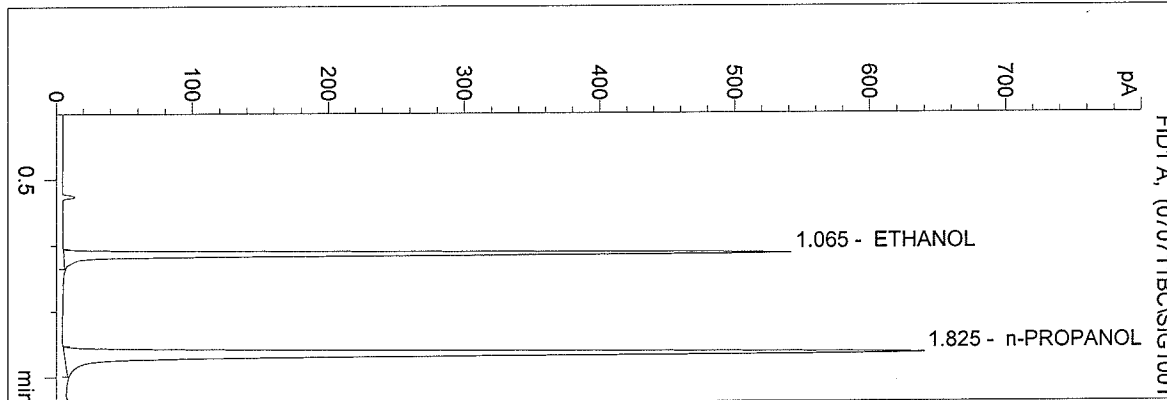
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 1:43:18 PM  
 Instrument 3  
 db-alc2

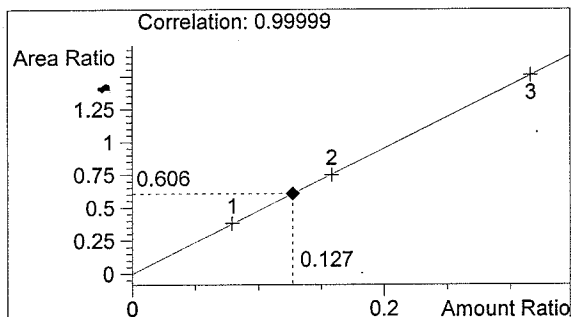
07021  
 bcapron

vial # 17



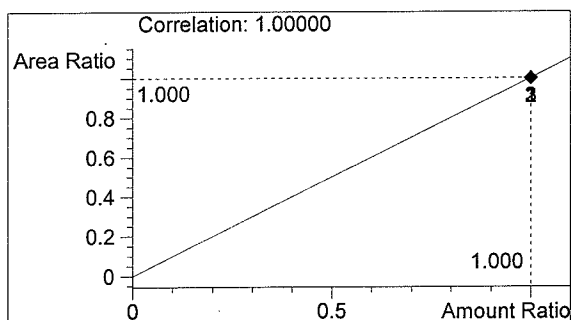
#	Compound	Area	RT
1	ETHANOL	1077	1.065
2	n-PROPANOL	1777	1.825

Totals:



ETHANOL

0.127 g/100ml



n-PROPANOL

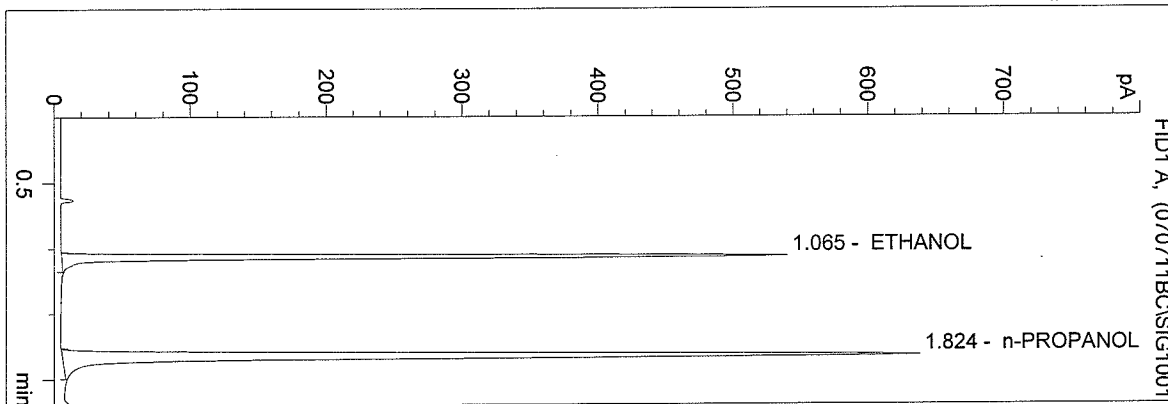
1.000 g/100ml



C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 1:46:25 PM  
 Instrument 3  
 db-alc2

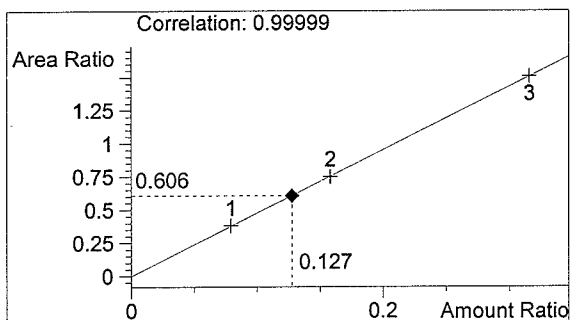
07021  
 bcapron

vial # 18



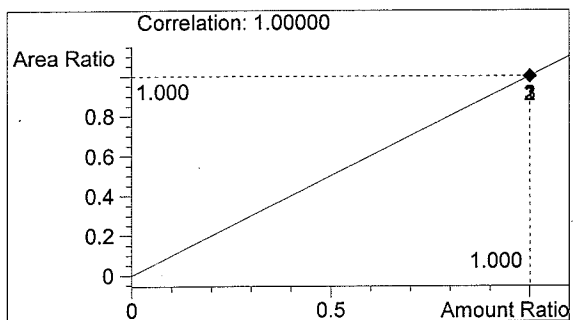
#	Compound	Area	RT
1	ETHANOL	1075	1.065
2	n-PROPANOL	1773	1.824

Totals:



ETHANOL

0.127 g/100ml



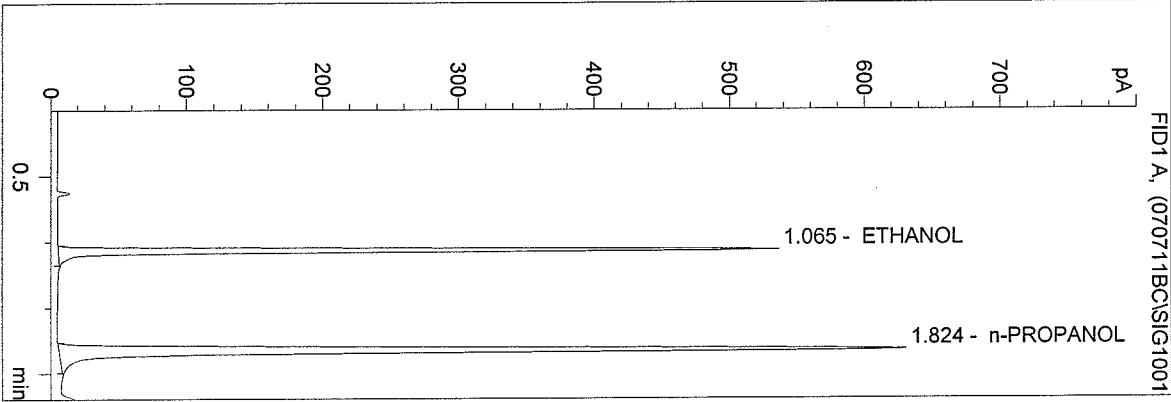
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 1:49:32 PM  
 Instrument 3  
 db-alc2

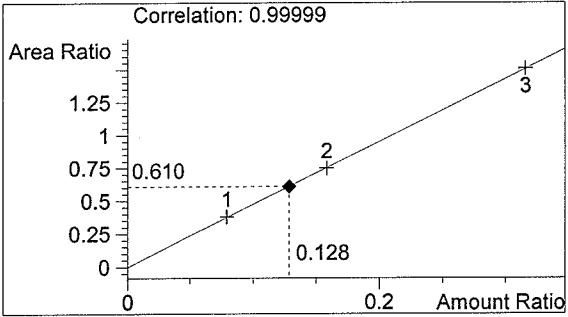
07021  
 bcapron

vial # 19



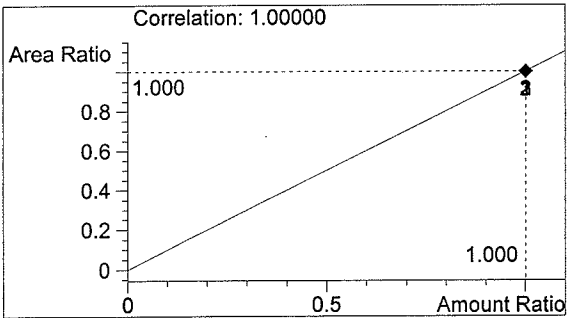
#	Compound	Area	RT
1	ETHANOL	1069	1.065
2	n-PROPANOL	1752	1.824

Totals:



ETHANOL

0.128 g/100ml



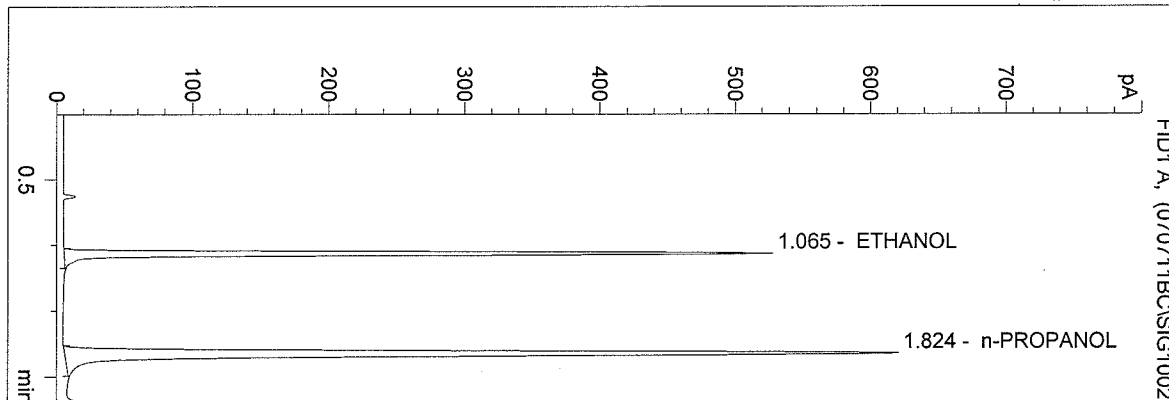
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 1:52:40 PM  
 Instrument 3  
 db-alc2

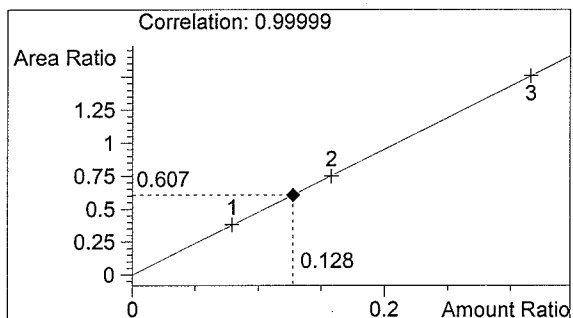
07021  
 bcapron

vial # 20



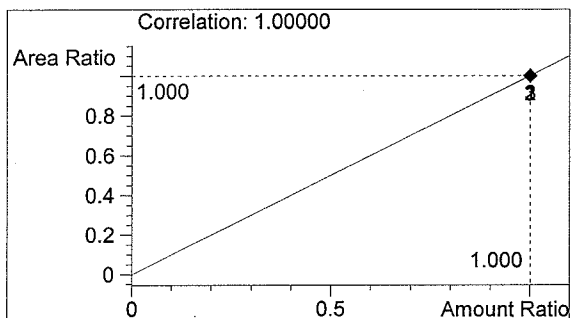
#	Compound	Area	RT
1	ETHANOL	1046	1.065
2	n-PROPANOL	1723	1.824

Totals:



ETHANOL

0.128 g/100ml



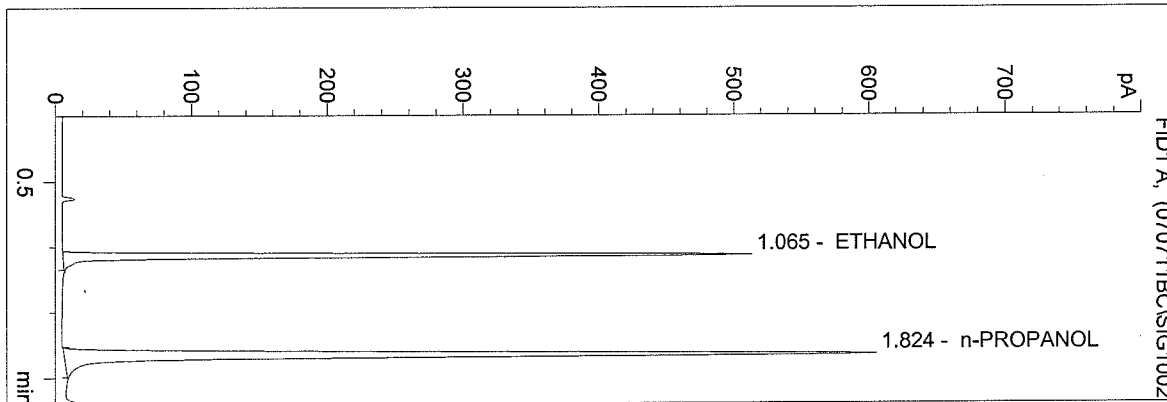
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 7/11/2007 1:55:47 PM  
 Instrument 3  
 db-alc2

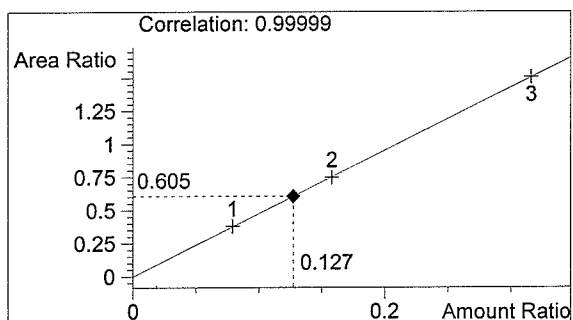
07021  
 bcapron

vial # 21



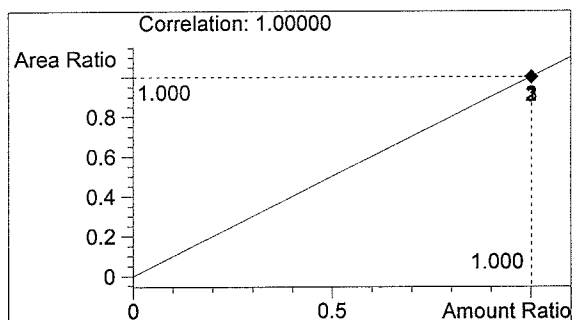
#	Compound	Area	RT
1	ETHANOL	1016	1.065
2	n-PROPANOL	1679	1.824

Totals:



ETHANOL

0.127 g/100ml



n-PROPANOL

1.000 g/100ml

=====  
 Calibration Table  
 =====

Calib. Data Modified : Wednesday, July 11, 2007 2:05:31 PM

Calculate : Internal Standard  
 Based on : Peak Area

Rel. Reference Window : 5.000 %  
 Abs. Reference Window : 0.050 min  
 Rel. Non-ref. Window : 5.000 %  
 Abs. Non-ref. Window : 0.050 min

Use Multiplier & Dilution Factor with ISTDs  
 Uncalibrated Peaks : not reported  
 Partial Calibration : Yes, identified peaks are recalibrated  
 Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear  
 Origin : Included  
 Weight : Equal

Recalibration Settings:  
 Average Response : Floating Average New 75%  
 Average Retention Time: Floating Average New 75%

Calibration Report Options :  
 Printout of recalibrations within a sequence:  
     Calibration Table after Recalibration  
     Normal Report after Recalibration  
 If the sequence is done with bracketing:  
     Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100ml]	Name
1	1.00000	n-Propanol

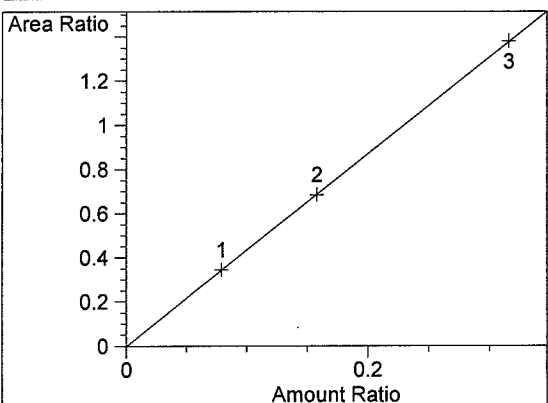
Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100ml]	Area	Amt/Area	Ref Grp	Name
1.009	1	7.90000e-2	566.86810	1.39362e-4	1	Ethanol
		1.58000e-1	1148.86890	1.37527e-4		
		3.16000e-1	2321.94556	1.36093e-4		
1.667	1	1.00000	1647.54578	6.06963e-4	I1	n-Propanol
		1.00000	1678.88354	5.95634e-4		
		1.00000	1683.19800	5.94107e-4		

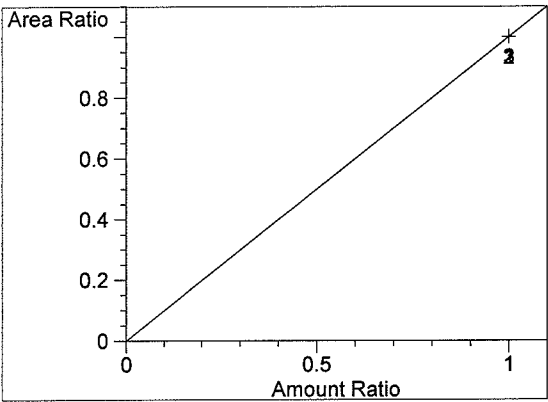
=====  
 Peak Sum Table  
 =====

\*\*\*No Entries in table\*\*\*  
 =====

=====  
Calibration Curves  
=====



Ethanol at exp. RT: 1.009  
FID1 A,  
Correlation: 0.99999  
Residual Std. Dev.: 0.00319  
Formula:  $y = mx + b$   
m: 4.36436  
b: -1.40856e-3  
x: Amount Ratio  
y: Area Ratio

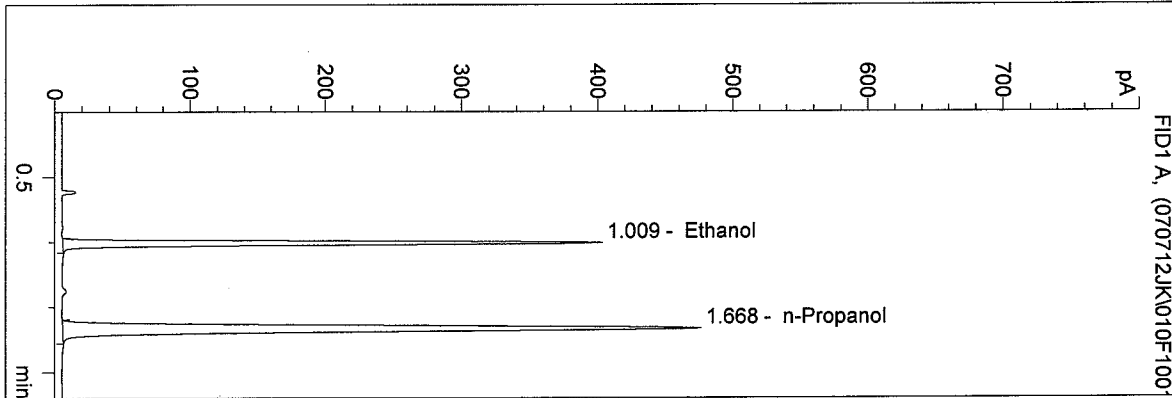


n-Propanol at exp. RT: 1.667  
FID1 A,  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx + b$   
m: 1.00000  
b: 0.00000  
x: Amount Ratio  
y: Area Ratio

D:\HPCHEM\1\METHODS\BLDALCO.M  
 7/12/2007 8:52:27 AM  
 Instrument 4  
 DB-ALC1

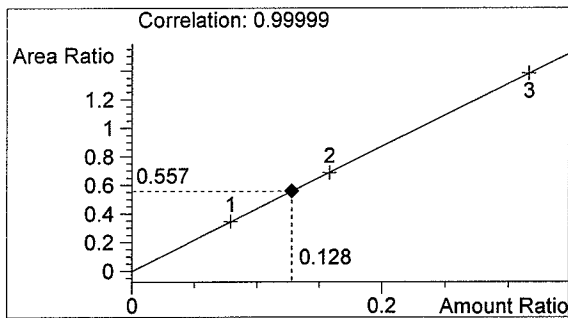
07021-1  
 Justin Knoy

vial # 10

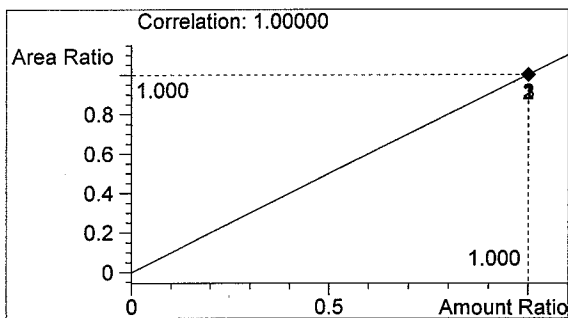


#	Compound	Area	RT
1	Ethanol	828	1.009
2	n-Propanol	1487	1.668

Totals:



Ethanol 0.128 g/100ml

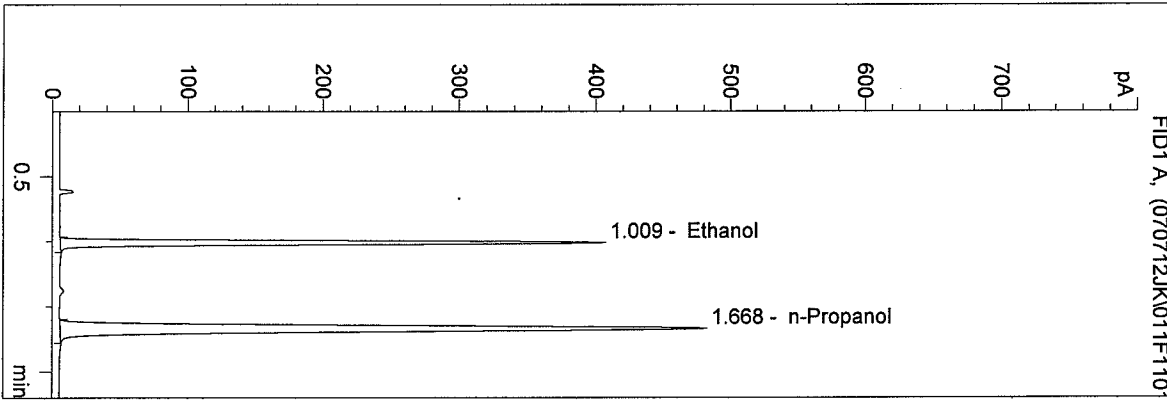


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 7/12/2007 8:55:48 AM  
 Instrument 4  
 DB-ALC1

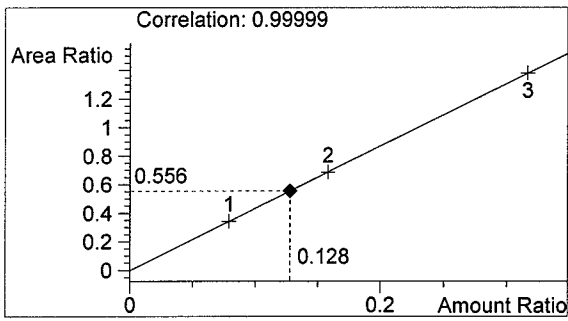
07021-2  
 Justin Knoy

vial # 11

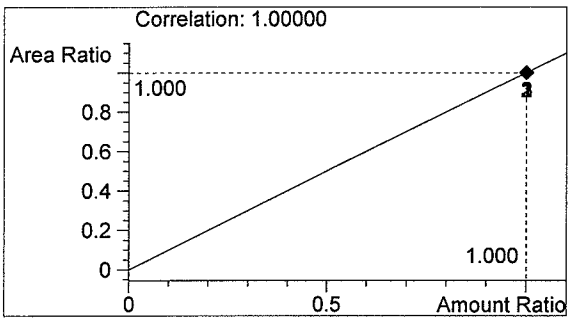


#	Compound	Area	RT
1	Ethanol	838	1.009
2	n-Propanol	1507	1.668

Totals:



Ethanol 0.128 g/100ml



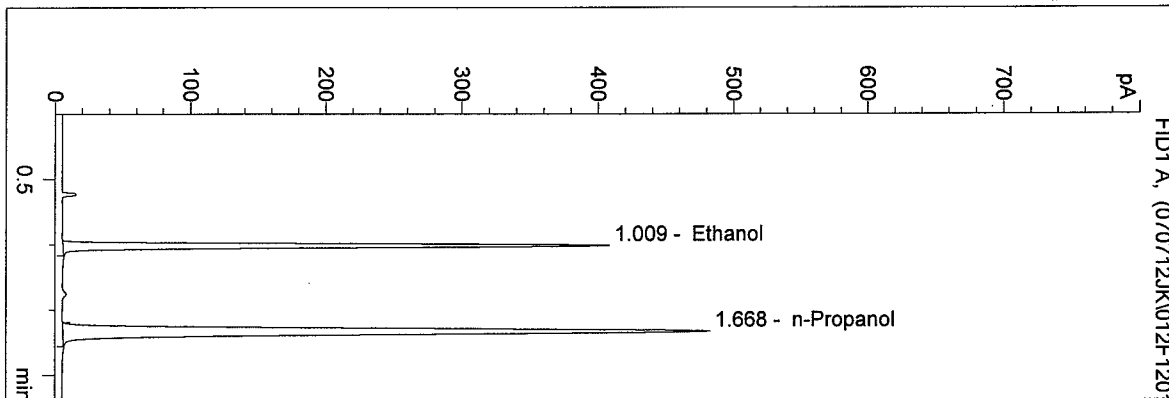
n-Propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO.M  
 7/12/2007 8:59:07 AM  
 Instrument 4  
 DB-ALC1

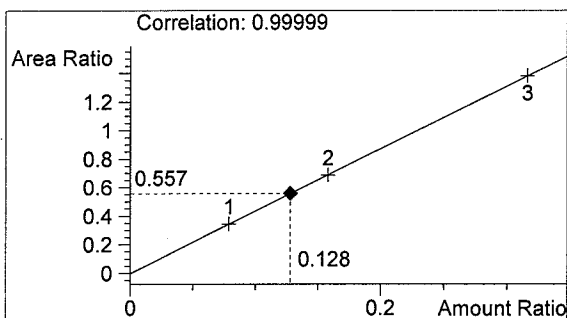
07021-3  
 Justin Knoy

vial # 12

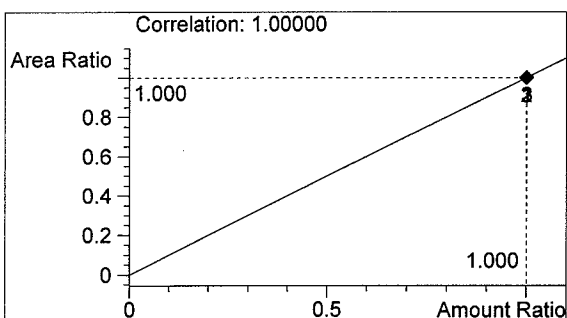


#	Compound	Area	RT
1	Ethanol	841	1.009
2	n-Propanol	1508	1.668

Totals:



Ethanol 0.128 g/100ml

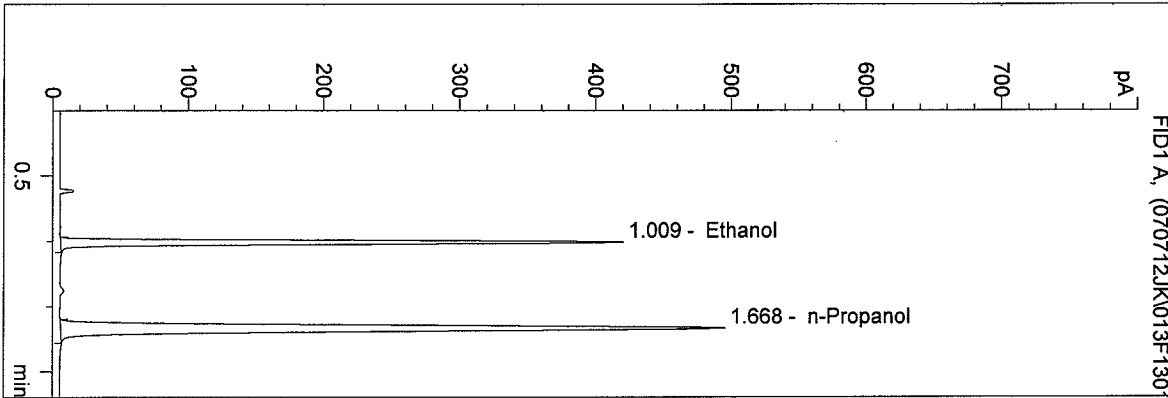


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 7/12/2007 9:02:23 AM  
 Instrument 4  
 DB-ALC1

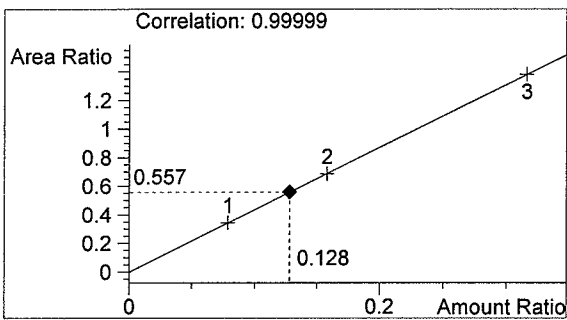
07021-4  
 Justin Knoy

vial # 13

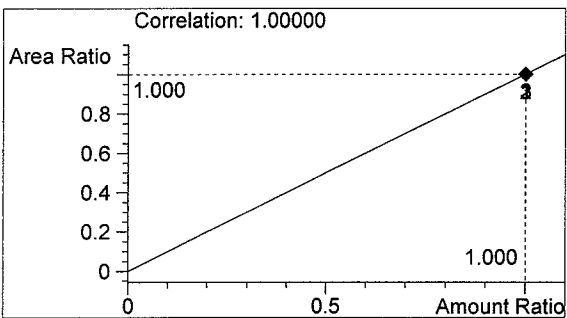


#	Compound	Area	RT
1	Ethanol	864	1.009
2	n-Propanol	1551	1.668

Totals:



Ethanol 0.128 g/100ml

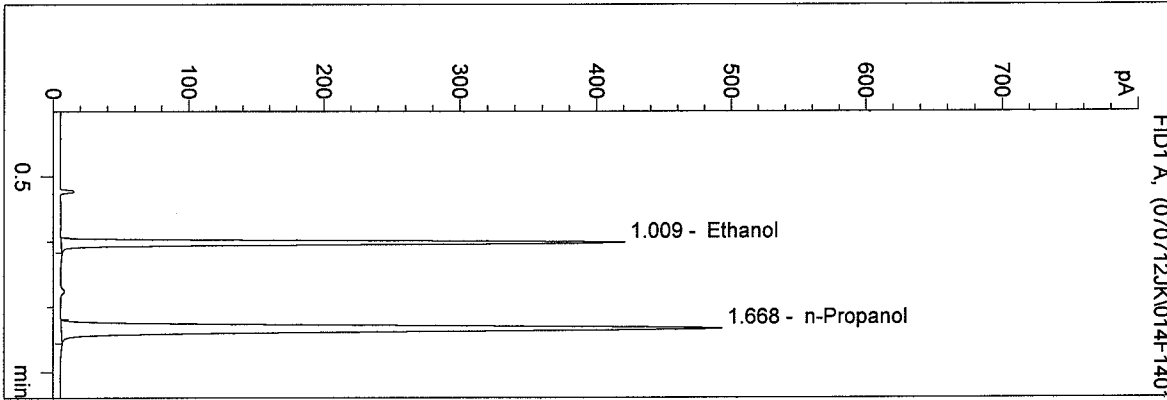


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 7/12/2007 9:05:42 AM  
 Instrument 4  
 DB-ALC1

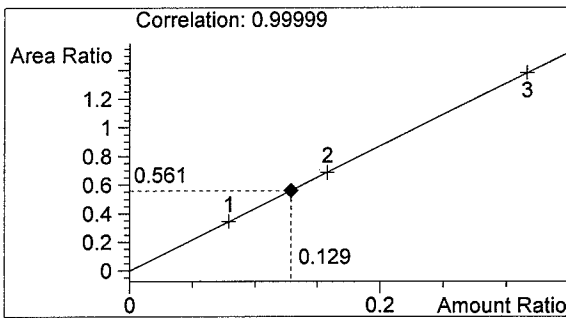
07021-5  
 Justin Knoy

vial # 14

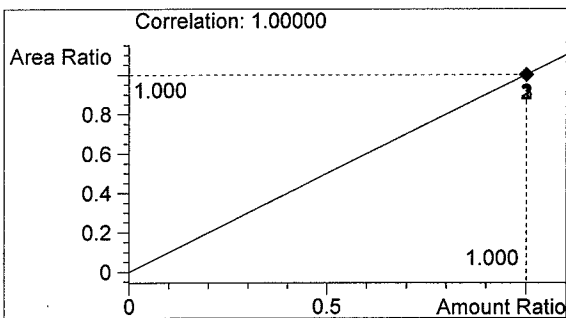


#	Compound	Area	RT
1	Ethanol	864	1.009
2	n-Propanol	1540	1.668

Totals:



Ethanol 0.129 g/100ml

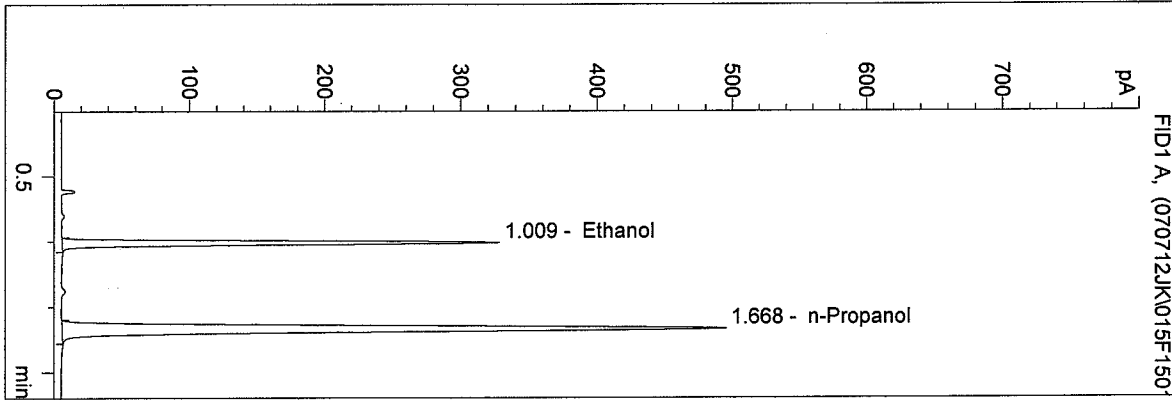


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 7/12/2007 9:14:25 AM  
 Instrument 4  
 DB-ALC1

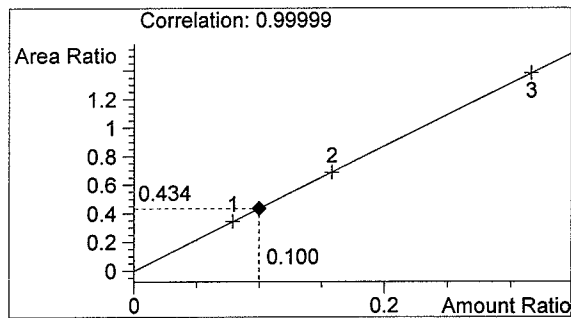
0.10 CTRL JK  
 Justin Knoy

vial # 15

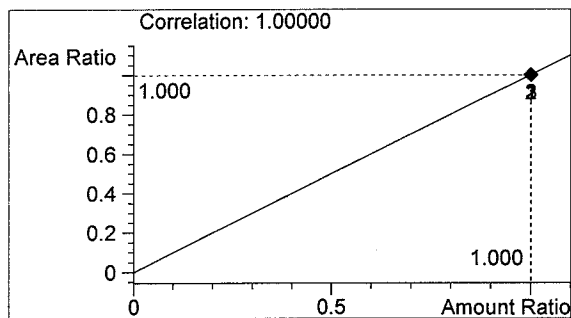


#	Compound	Area	RT
1	Ethanol	672	1.009
2	n-Propanol	1548	1.668

Totals:



Ethanol 0.100 g/100ml

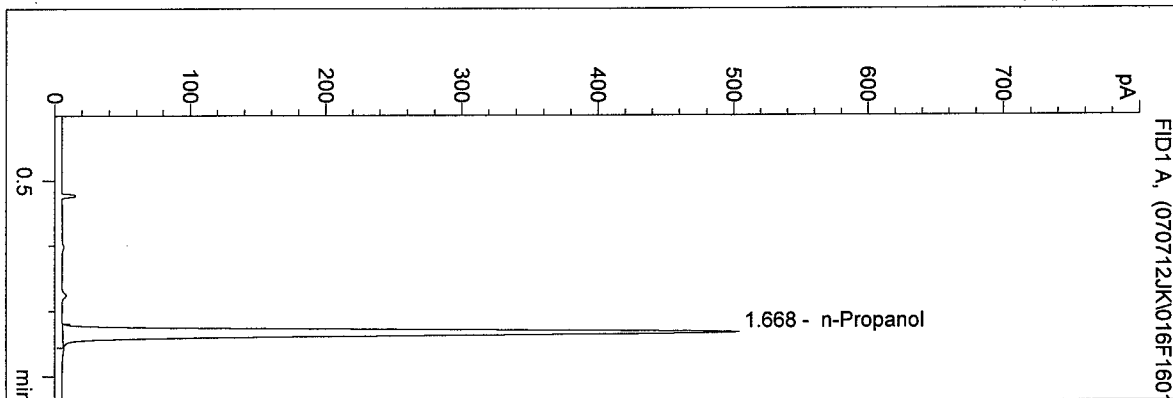


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M  
 7/12/2007 9:17:38 AM  
 Instrument 4  
 DB-ALC1

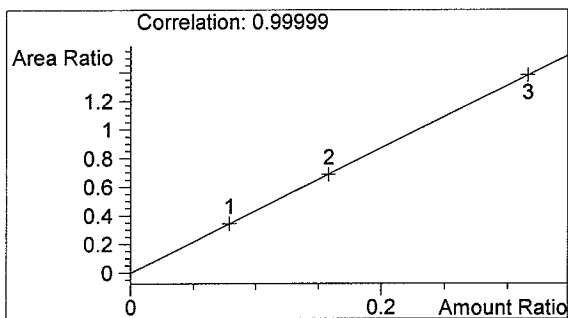
blank  
 Justin Knoy

vial # 16

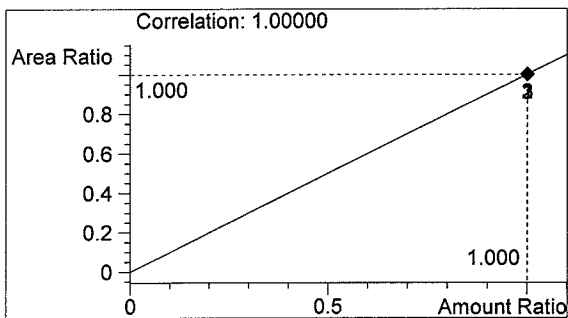


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1576	1.668

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml