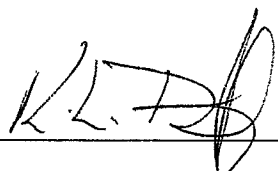


Notice of Simulator Solution File Review

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.

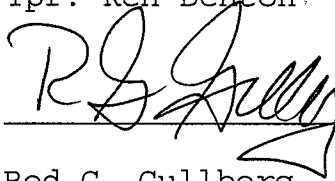
Where a dating error occurred that analyst will have made the correction on the original data form including their initials and date and then re-signed their original affidavit.



Tpr. Ken Denton

10/1/2007

Date



Rod G. Gullberg

10-1-07

Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN BENTON / TRAD GULLBERG Date 9-27-07
Location TOX LAB SEATTLE Batch Number 07019

Form Review Criteria

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

Computations:


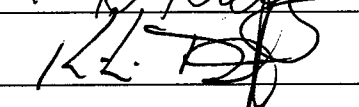
Avg. solution concentration: Correct X Not Correct ___
Standard deviation: Correct X Not Correct ___
Range: Correct X Not Correct ___
Precision: Correct X Not Correct ___
Equivalent vapor concent.: Correct X Not Correct ___
External Control Information
(lot # and future date): Correct X Not Correct ___

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

Corrections Necessary:

DATES OF ANALYSIS PRECEDE DATE OF PREPARATION
DATA ENTRY FOR BRANA AND BRINA HAVE BEEN
REVERSED

Comments:

Reviewer Signature:  Date: 9-27-07
Reviewer 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 **0.04** g/210L Quality Assurance solution
 Batch number **07019** Date: ~~7/12/2007~~
 Preparation: 11.1 mL of absolute ethyl alcohol diluted to 18 Liters with water 7/11/07
 Concentration of ethanol (g/100mL) measured by gas chromatography:

BP
9-28-07

	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	0.048	0.047	0.049													
2	0.047	0.049	0.050													
3	0.047	0.047	0.049													
4	0.049	0.047	0.049													
5	0.049	0.048	0.049													
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.: 0.0483 g/100 mL
 SD: 0.00103
 Range (3xSD): 0.0452 to 0.0514
 Precision CV (%): 2.1383 %

Equivalent vapor concent.: 0.0393 g/210L

Analyst	Name	Signature	Date
2	Brianna Peterson	<i>Brianna Peterson</i>	07/11/2007
1	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 07019, was prepared in the Washington State Toxicology Laboratory on ^{7/11/07}~~7/12/2007~~. I examined and tested this solution. The mean concentration of the alcohol was 0.0483 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

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

DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION

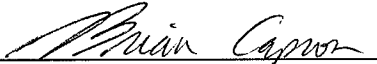
I, Brian Capron, do certify under penalty of perjury that:

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 07019, was prepared in the Washington State Toxicology Laboratory on ^{7.11.07}~~7/12/2007~~^{BC} _{10.1.07}. I examined and tested this solution. The mean concentration of the alcohol was 0.0483 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:

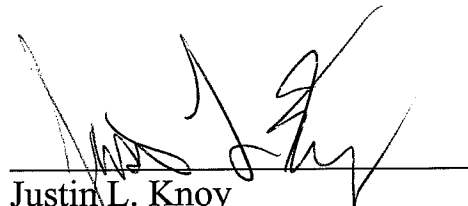
I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology, and MS degree in Forensic Science.

7-11-07 ~~7-12-07~~ 10/11/07

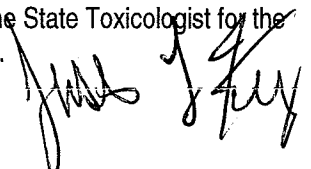
The quality assurance solution, Lot Number 07019, was prepared in the Washington State Toxicology Laboratory on ~~7/12/2007~~. I examined and tested this solution. The mean concentration of the alcohol was 0.0483 grams per 100ml.

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.

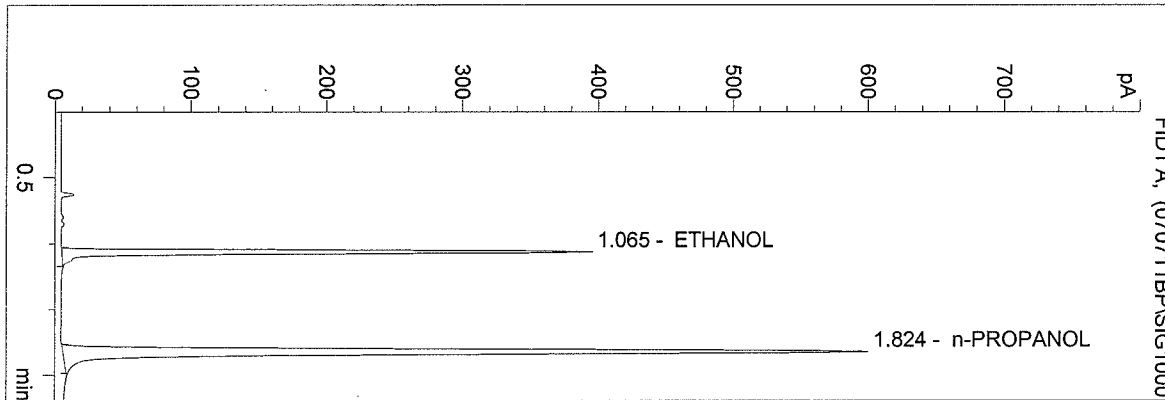
 10/11/07



C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 3:34:32 PM
 Instrument 3
 db-alc2

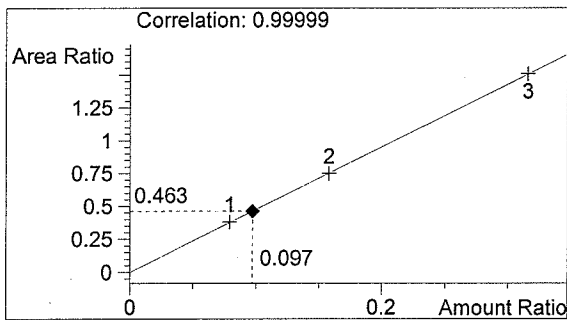
0.10 control bp
 Brianna Peterson

vial # 1



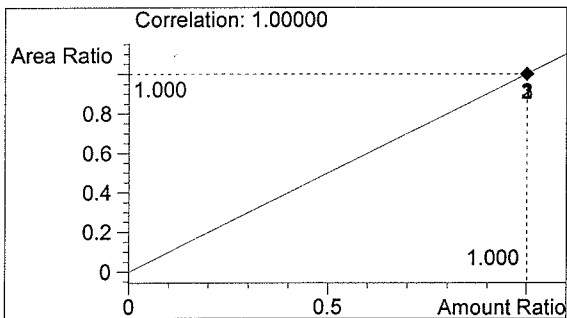
#	Compound	Area	RT
1	ETHANOL	765	1.065
2	n-PROPANOL	1652	1.824

Totals:



ETHANOL

0.097 g/100ml



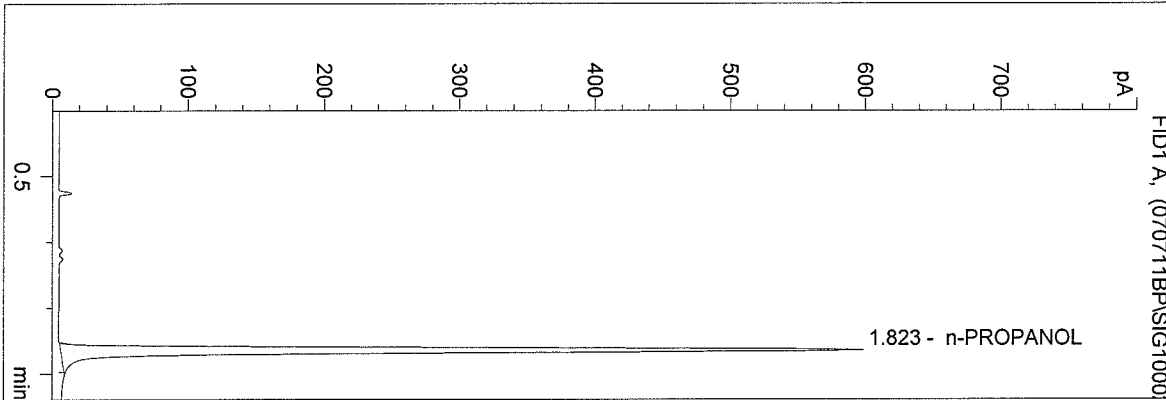
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 3:37:39 PM
 Instrument 3
 db-alc2

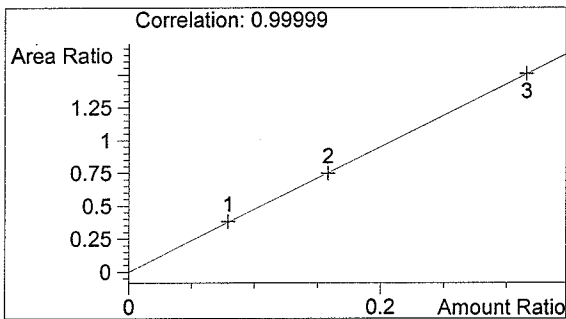
blank
 Brianna Peterson

vial # 2



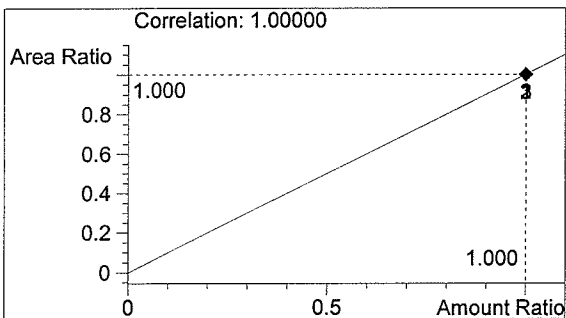
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1648	1.823

Totals:



ETHANOL

0.000 g/100ml



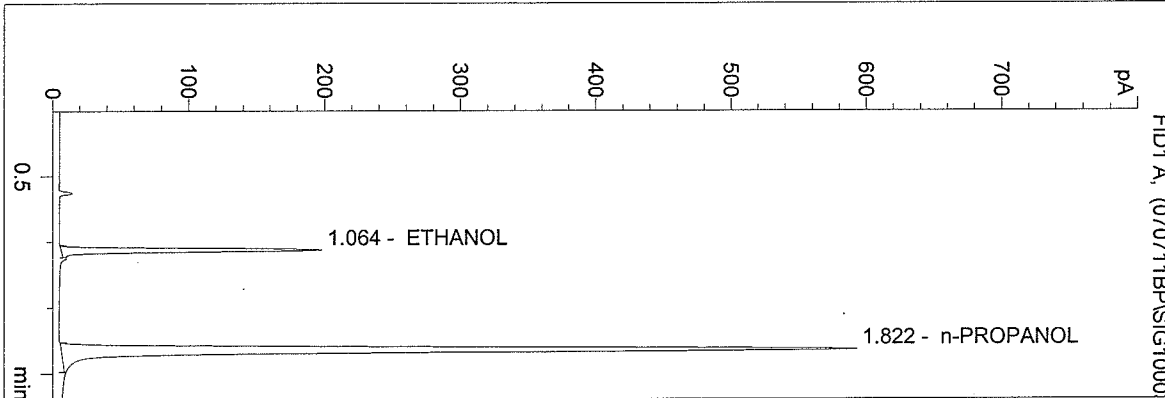
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 3:40:47 PM
 Instrument 3
 db-alc2

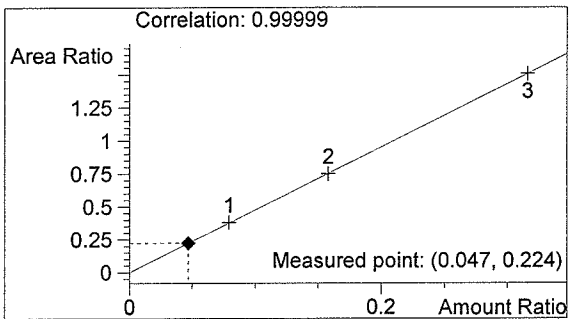
07019
 Brianna Peterson

vial # 3



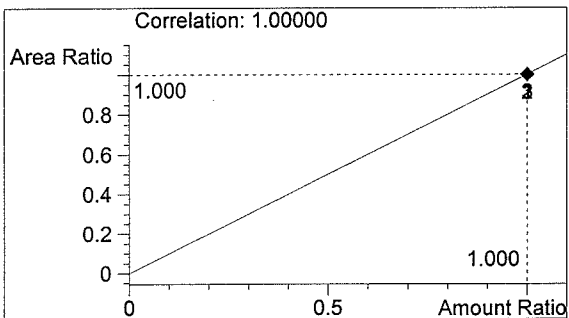
#	Compound	Area	RT
1	ETHANOL	366	1.064
2	n-PROPANOL	1634	1.822

Totals:



ETHANOL

0.047 g/100ml



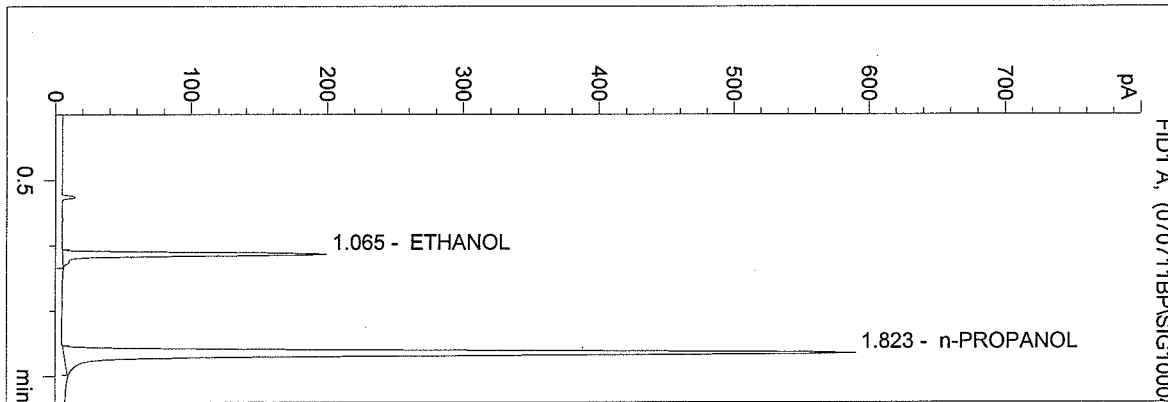
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 3:43:54 PM
 Instrument 3
 db-alc2

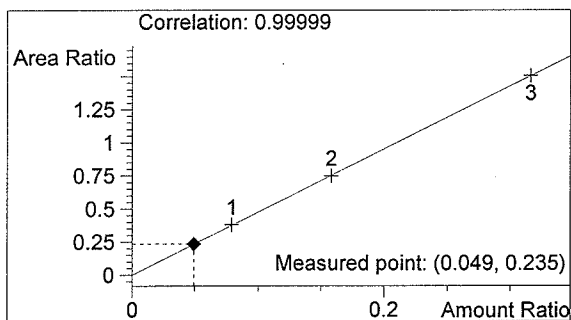
07019
 Brianna Peterson

vial # 4



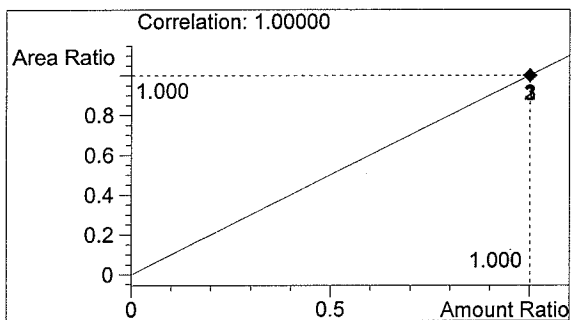
#	Compound	Area	RT
1	ETHANOL	381	1.065
2	n-PROPANOL	1623	1.823

Totals:



ETHANOL

0.049 g/100ml



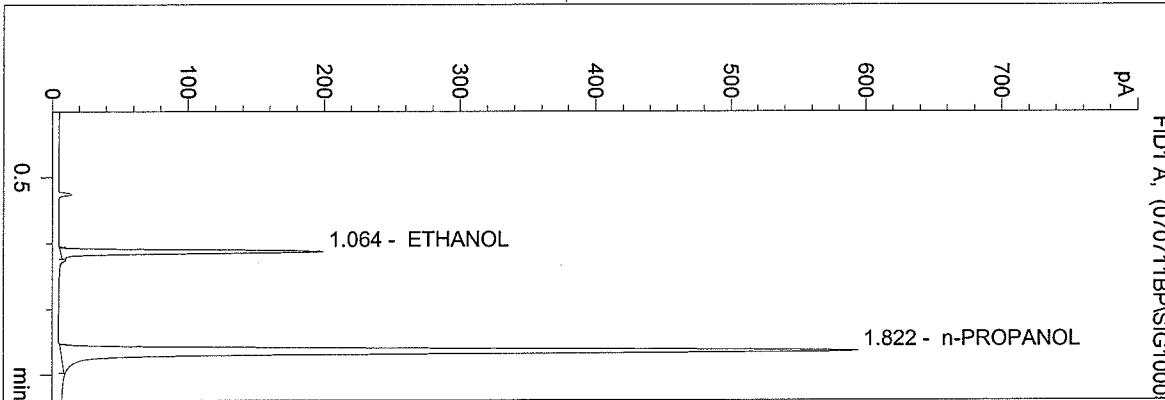
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 3:47:01 PM
 Instrument 3
 db-alc2

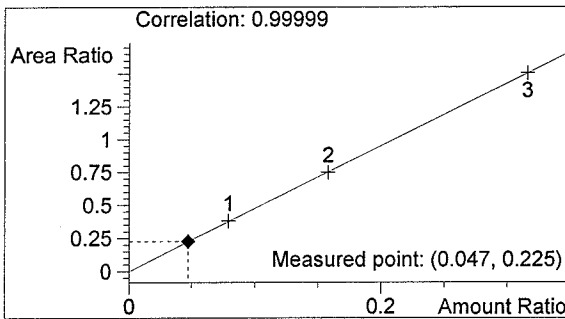
07019
 Brianna Peterson

vial # 5



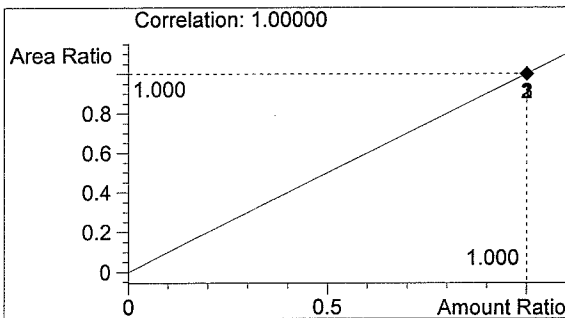
#	Compound	Area	RT
1	ETHANOL	367	1.064
2	n-PROPANOL	1634	1.822

Totals:



ETHANOL

0.047 g/100ml

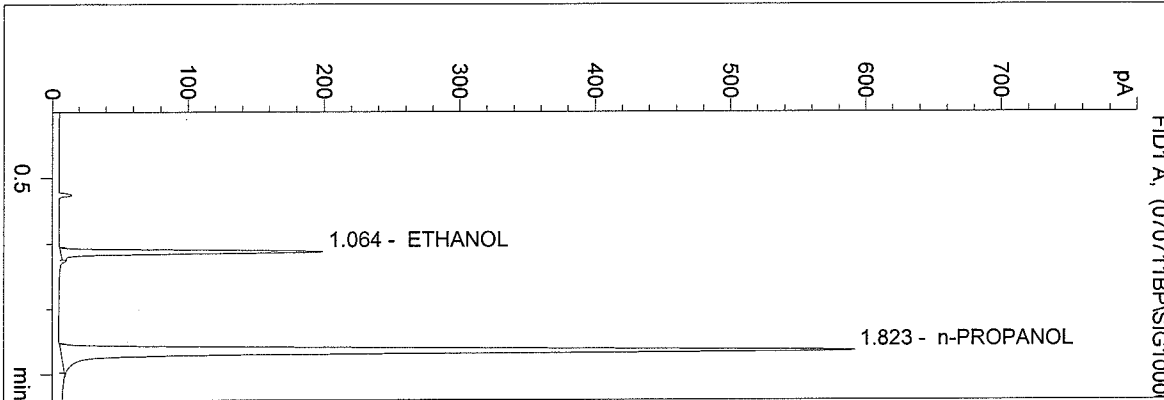


n-PROPANOL

1.000 g/100ml

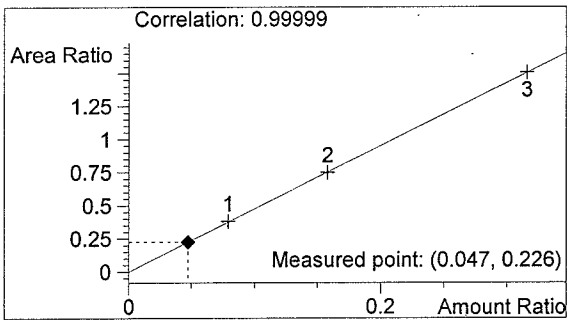
C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 3:50:08 PM
 Instrument 3
 db-alc2

07019
 Brianna Peterson
 vial # 6



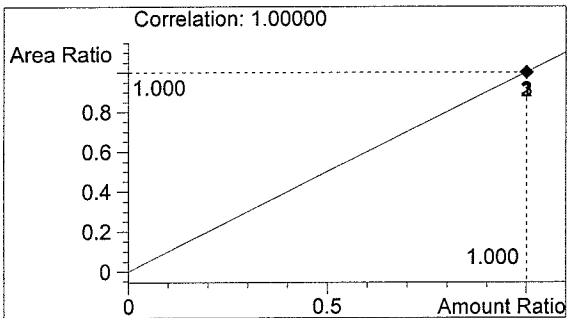
#	Compound	Area	RT
1	ETHANOL	368	1.064
2	n-PROPANOL	1631	1.823

Totals:



ETHANOL

0.047 g/100ml



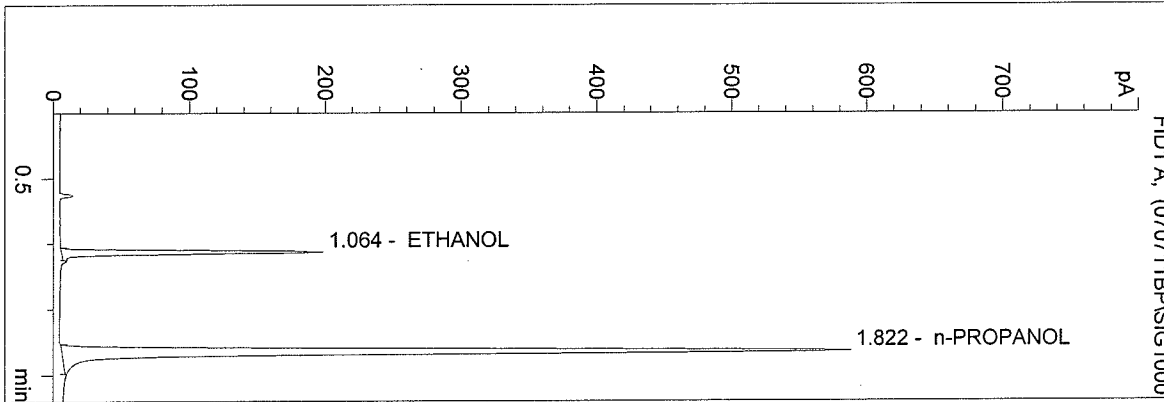
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 3:53:18 PM
 Instrument 3
 db-alc2

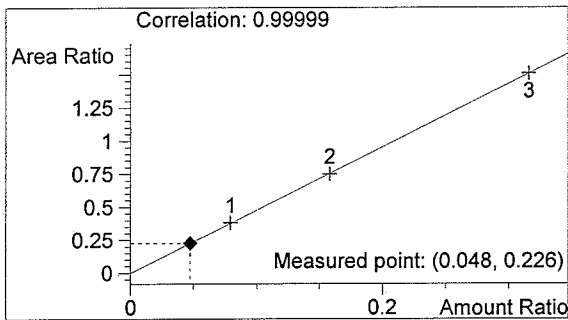
07019
 Brianna Peterson

vial # 7



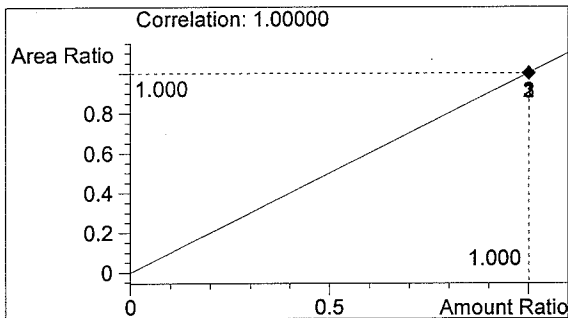
#	Compound	Area	RT
1	ETHANOL	367	1.064
2	n-PROPANOL	1620	1.822

Totals:



ETHANOL

0.048 g/100ml



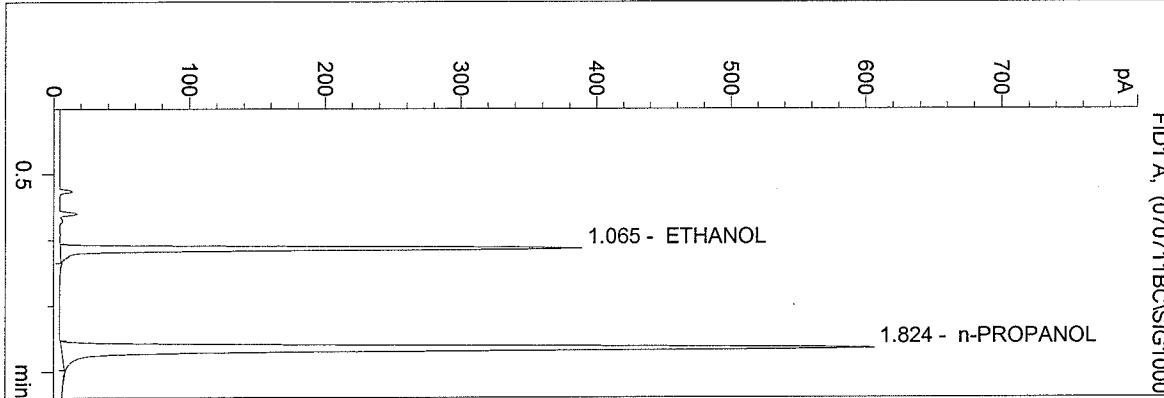
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 12:53:24 PM
 Instrument 3
 db-alc2

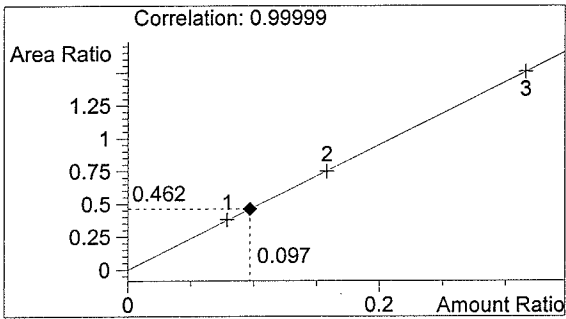
0.10 control bc
 bcapron

vial # 1

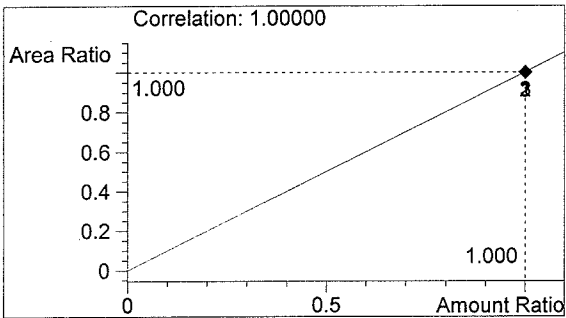


#	Compound	Area	RT
1	ETHANOL	775	1.065
2	n-PROPANOL	1678	1.824

Totals:



0.097 g/100ml



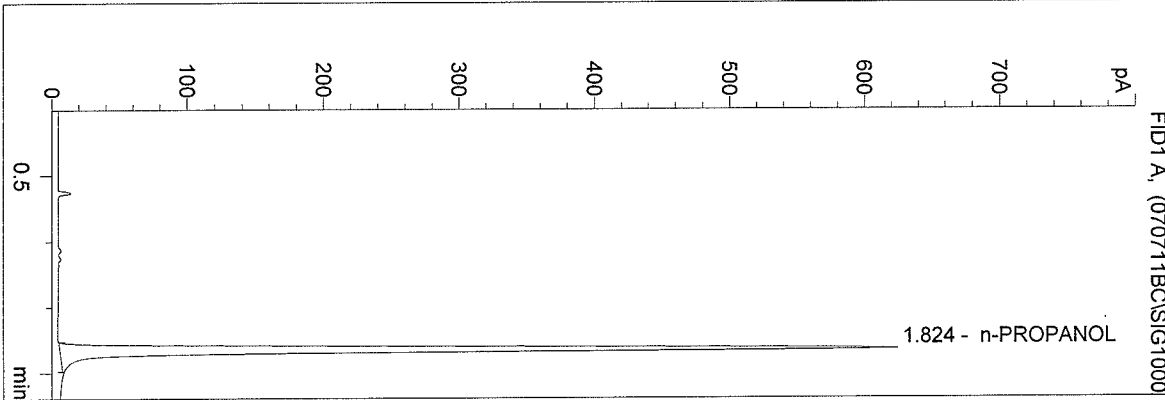
1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 12:56:31 PM
 Instrument 3
 db-alc2

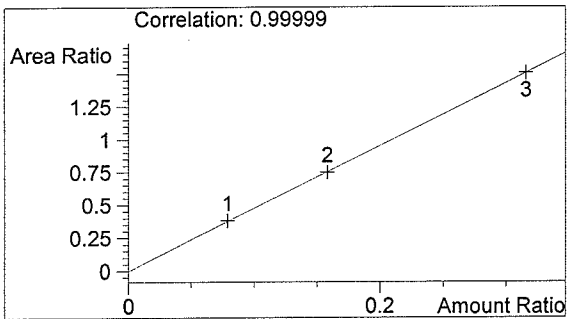
blank
 bcapron

vial # 2



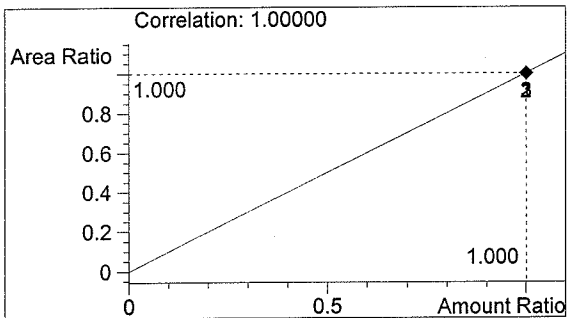
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1733	1.824

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

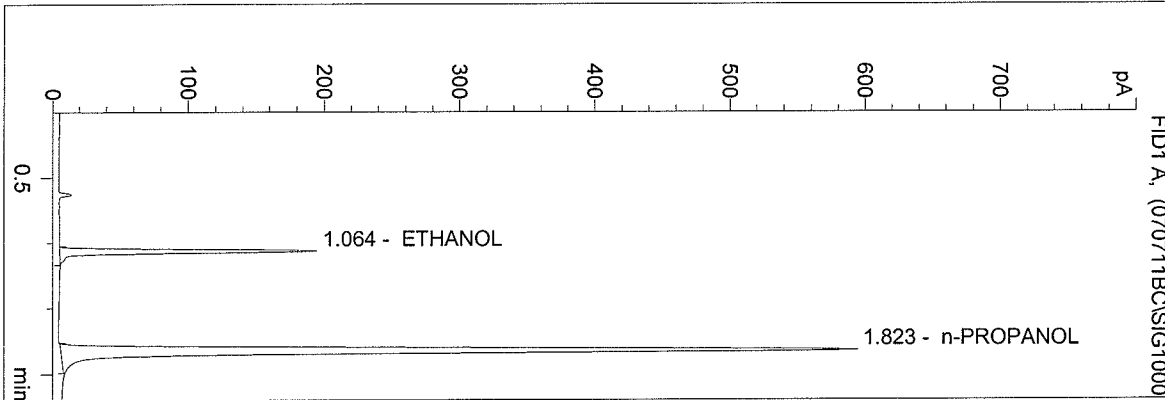
1.000 g/100ml

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C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 12:59:38 PM
 Instrument 3
 db-alc2

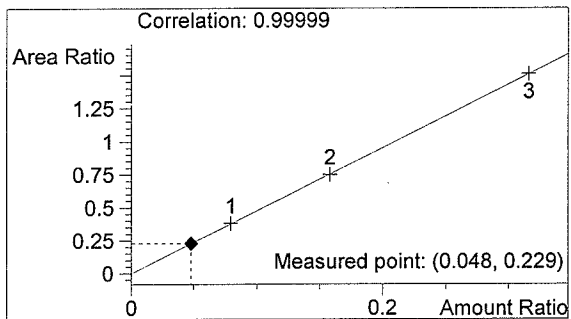
07019
 bcapron

vial # 3



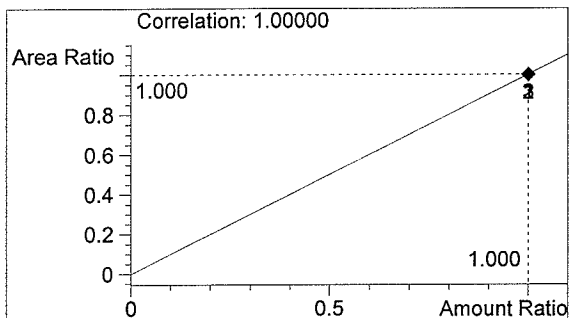
#	Compound	Area	RT
1	ETHANOL	377	1.064
2	n-PROPANOL	1647	1.823

Totals:



ETHANOL

0.048 g/100ml



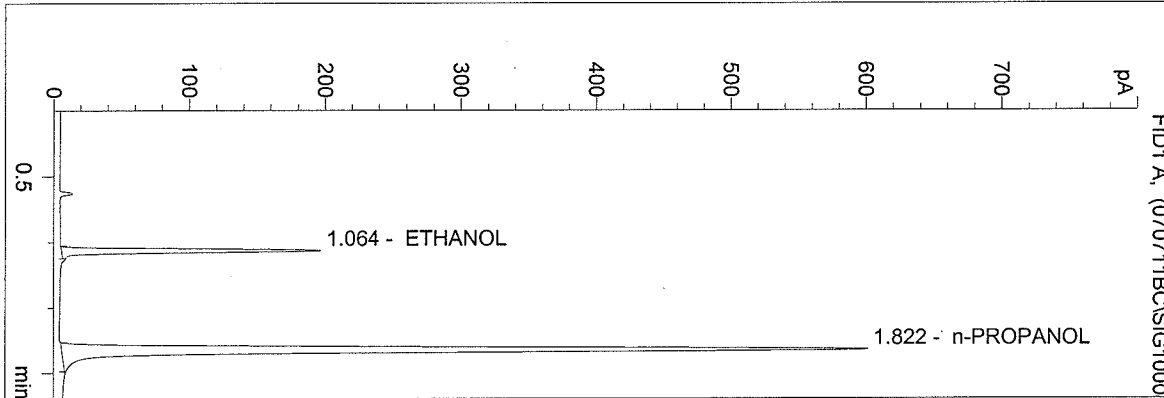
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 1:02:45 PM
 Instrument 3
 db-alc2

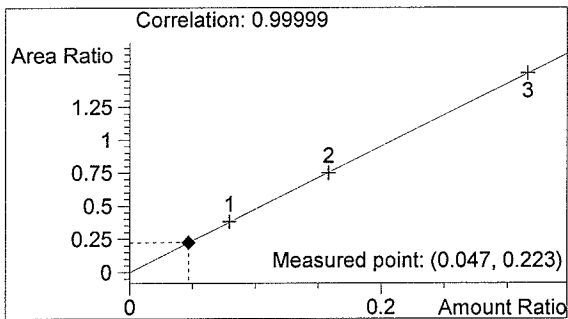
07019
 bcapron

vial # 4



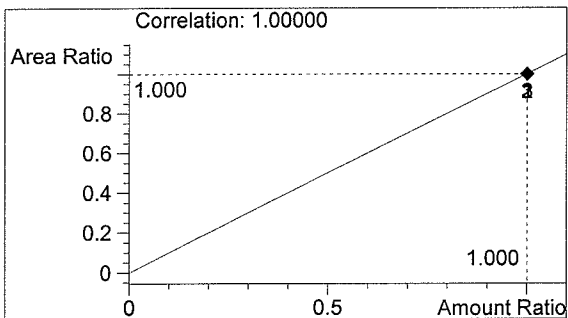
#	Compound	Area	RT
1	ETHANOL	371	1.064
2	n-PROPANOL	1666	1.822

Totals:



ETHANOL

0.047 g/100ml



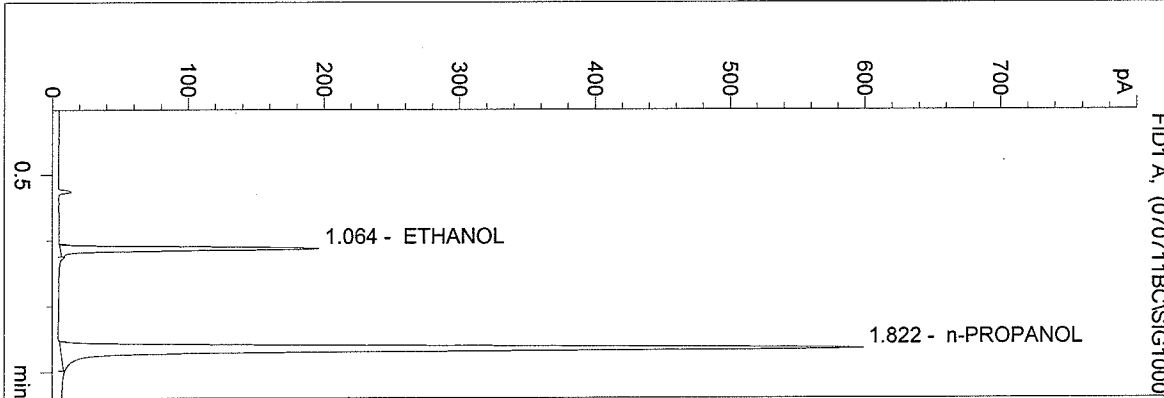
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 1:05:52 PM
 Instrument 3
 db-alc2

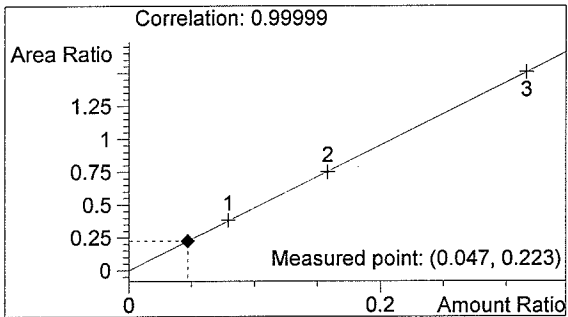
07019
 bcapron

vial # 5



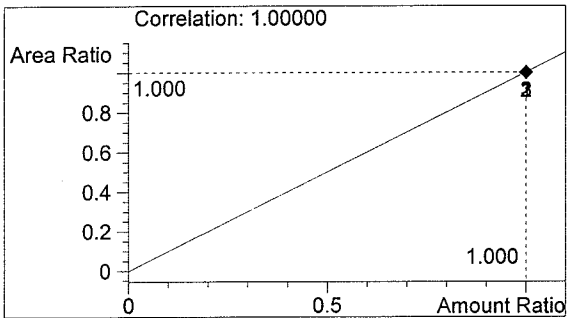
#	Compound	Area	RT
1	ETHANOL	370	1.064
2	n-PROPANOL	1659	1.822

Totals:



ETHANOL

0.047 g/100ml



n-PROPANOL

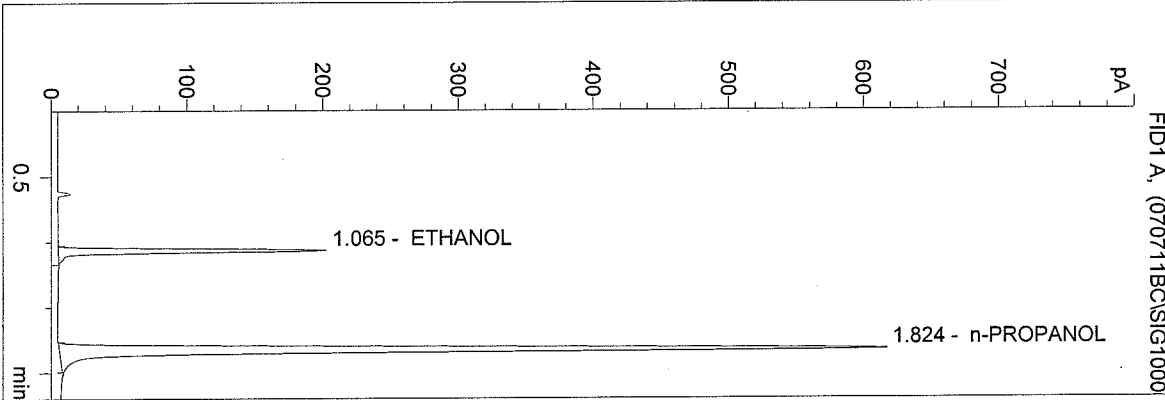
1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 1:08:59 PM
 Instrument 3
 db-alc2

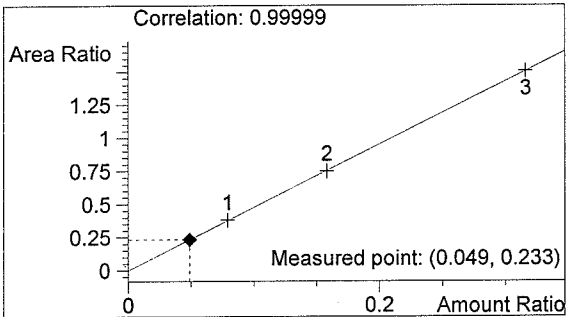
07019
 bcapron

vial # 6



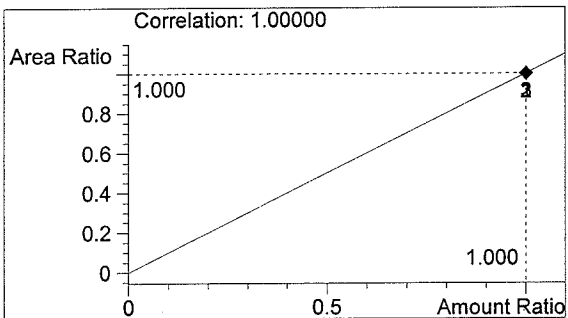
#	Compound	Area	RT
1	ETHANOL	399	1.065
2	n-PROPANOL	1715	1.824

Totals:



ETHANOL

0.049 g/100ml



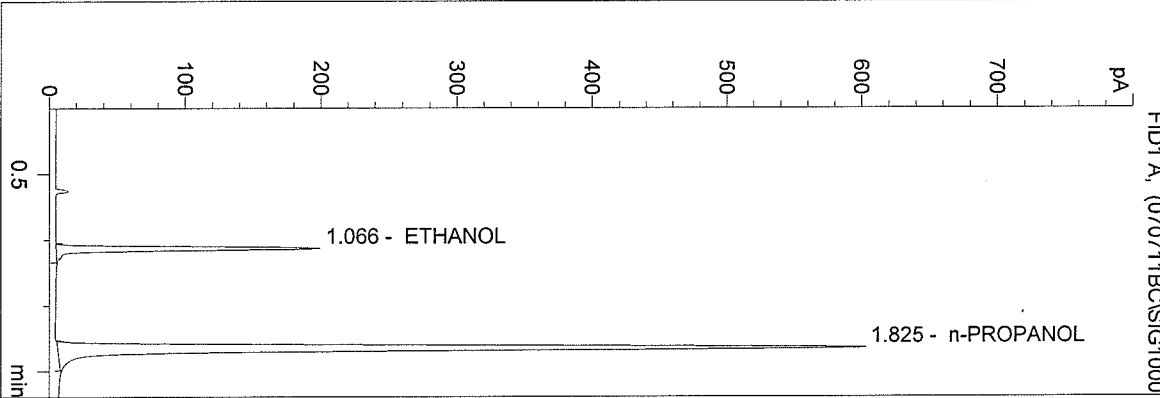
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 7/11/2007 1:12:06 PM
 Instrument 3
 db-alc2

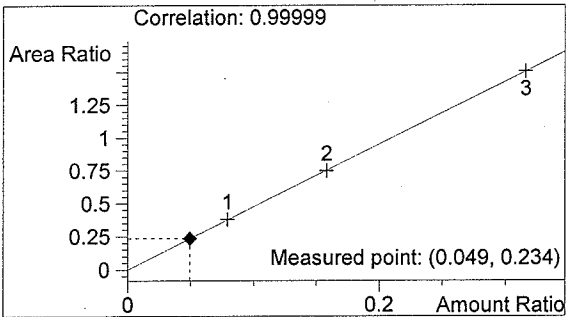
07019
 bcapron

vial # 7



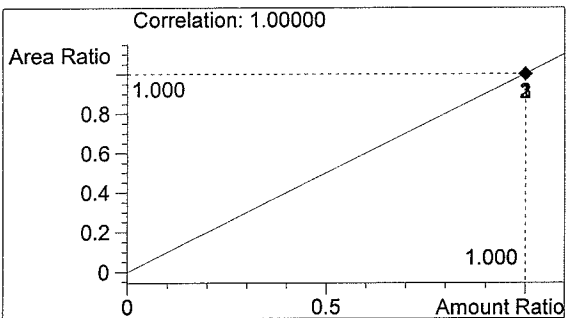
#	Compound	Area	RT
1	ETHANOL	392	1.066
2	n-PROPANOL	1673	1.825

Totals:



ETHANOL

0.049 g/100ml



n-PROPANOL

1.000 g/100ml

Sequence Parameters:

Operator: Justin Knoy
Data File Naming: Auto
Data Directory: D:\HPCHEM\1\DATA\
Data Subdirectory: 070712JK
Part of Methods to run: According to Runtime Checklist
Barcode Reader: not used
Shutdown Cmd/Macro: none
Sequence Comment:

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
2	Vial 2	BLANK	BLDALCO	1	Sample		
3	Vial 3	07019-1	BLDALCO	1	Sample		
4	Vial 4	07019-2	BLDALCO	1	Sample		
5	Vial 5	07019-3	BLDALCO	1	Sample		
6	Vial 6	07019-4	BLDALCO	1	Sample		
7	Vial 7	07019-5	BLDALCO	1	Sample		
8	Vial 8	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
9	Vial 9	BLANK	BLDALCO	1	Sample		
10	Vial 10	07021-1	BLDALCO	1	Sample		
11	Vial 11	07021-2	BLDALCO	1	Sample		
12	Vial 12	07021-3	BLDALCO	1	Sample		
13	Vial 13	07021-4	BLDALCO	1	Sample		
14	Vial 14	07021-5	BLDALCO	1	Sample		
15	Vial 15	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
16	Vial 16	blank	BLDALCO	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

=====
 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

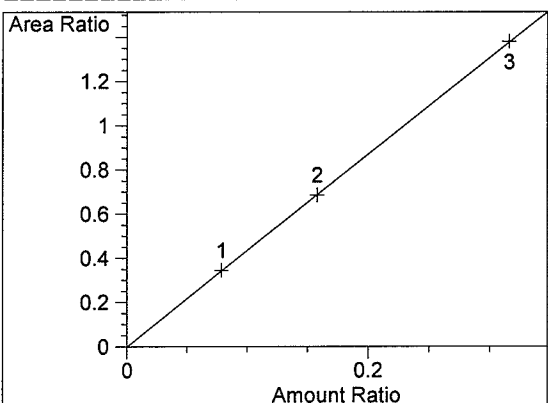
Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100ml]	Area	Amt/Area	Ref Grp Name
1.009	1 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	1.00000	1647.54578	6.06963e-4	I1 n-Propanol
		1.00000	1678.88354	5.95634e-4	
		1.00000	1683.19800	5.94107e-4	

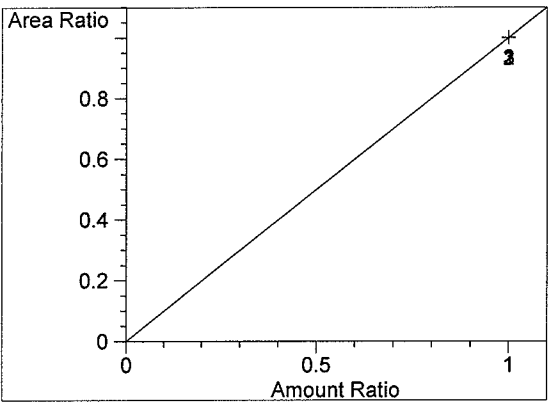
=====
 Peak Sum Table
 =====

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

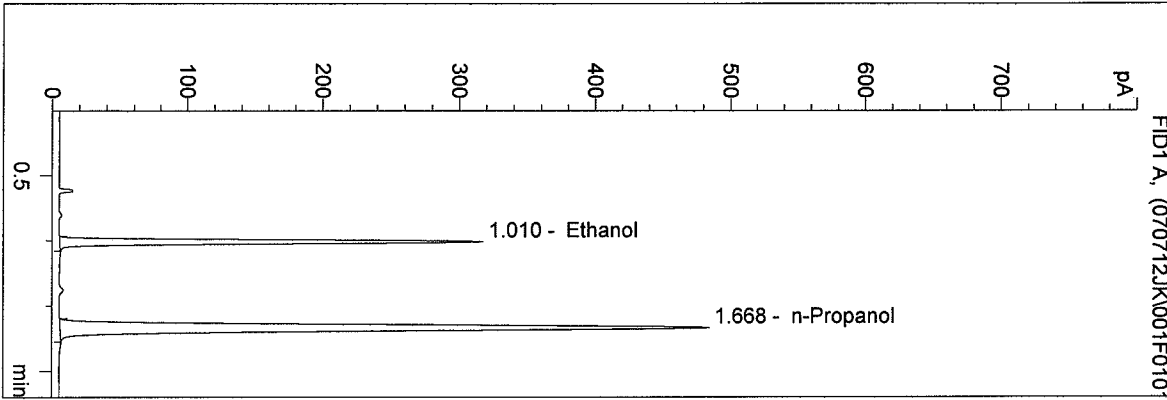


n-Propanol at exp. RT: 1.667
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/12/2007 8:20:52 AM
 Instrument 4
 DB-ALC1

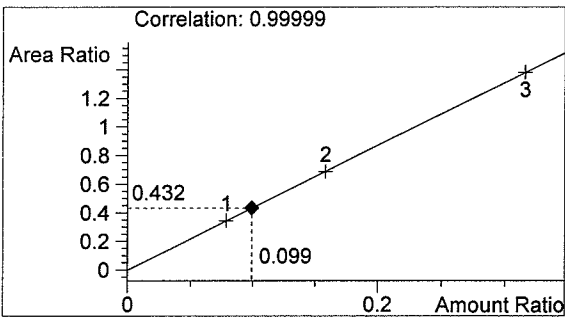
0.10 CTRL JK
 Justin Knoy

vial # 1

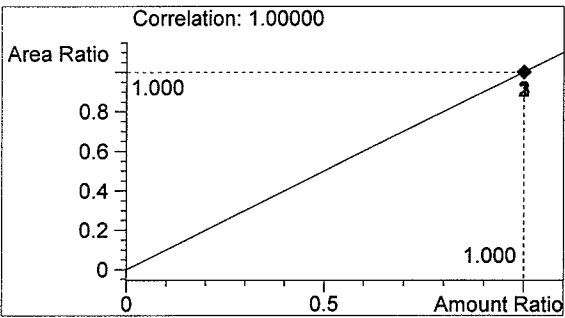


#	Compound	Area	RT
1	Ethanol	655	1.010
2	n-Propanol	1516	1.668

Totals:



Ethanol 0.099 g/100ml

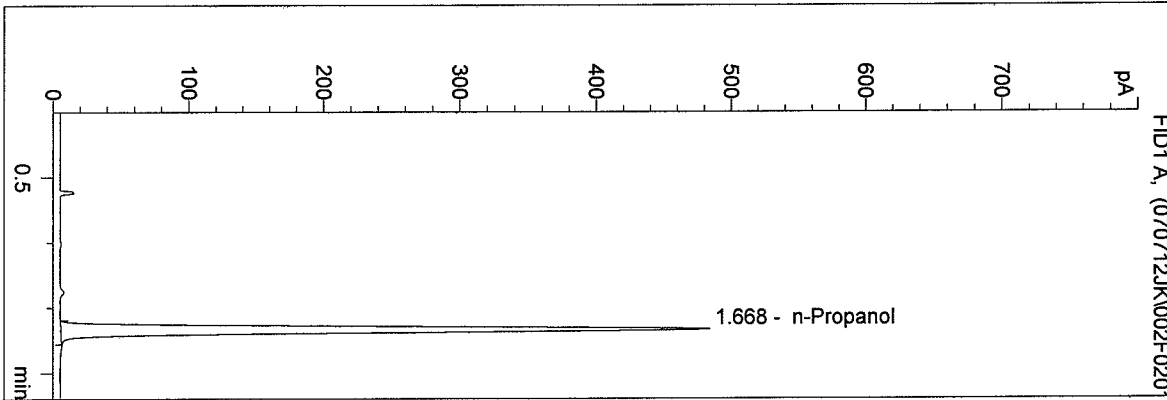


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/12/2007 8:24:10 AM
 Instrument 4
 DB-ALC1

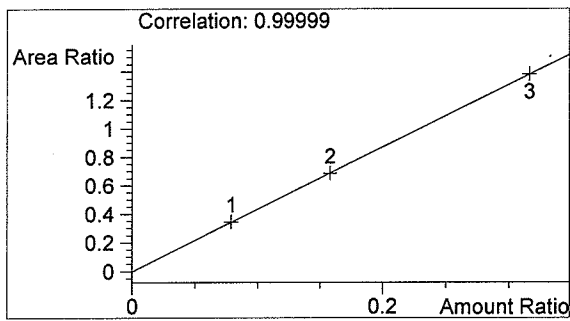
BLANK
 Justin Knoy

vial # 2

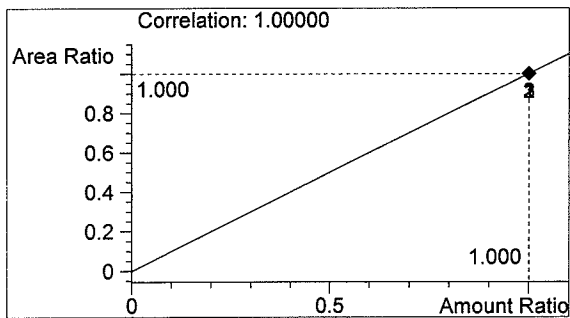


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1515	1.668

Totals:



Ethanol 0.000 g/100ml

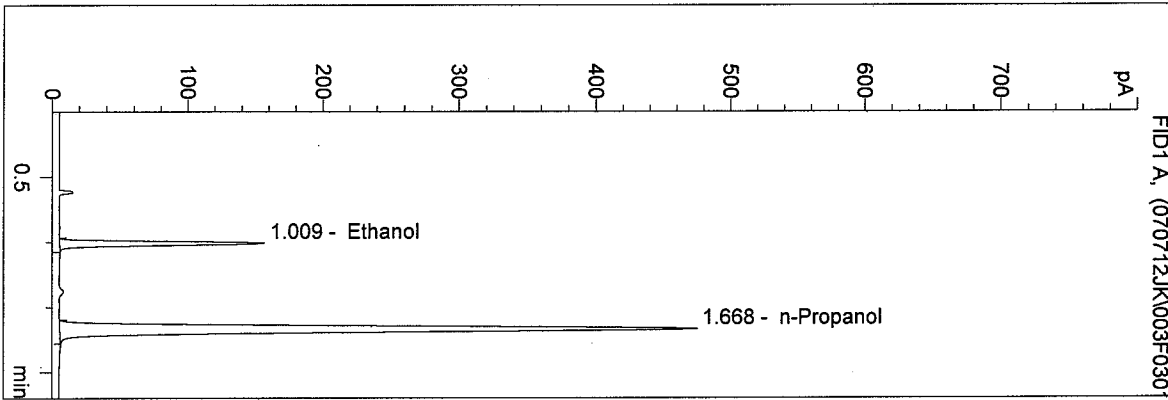


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/12/2007 8:27:25 AM
 Instrument 4
 DB-ALC1

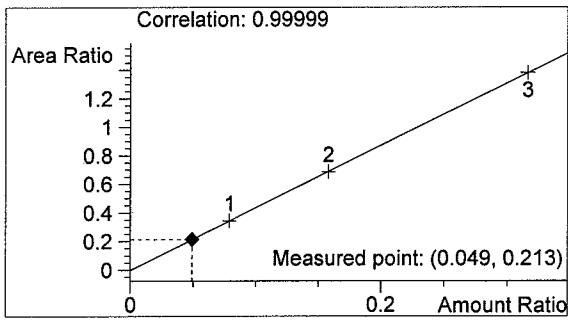
07019-1
 Justin Knoy

vial # 3

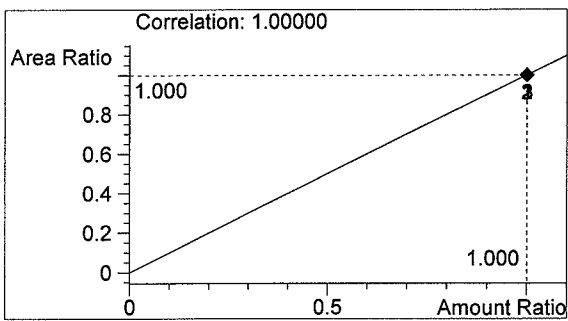


#	Compound	Area	RT
1	Ethanol	315	1.009
2	n-Propanol	1484	1.668

Totals:



Ethanol 0.049 g/100ml

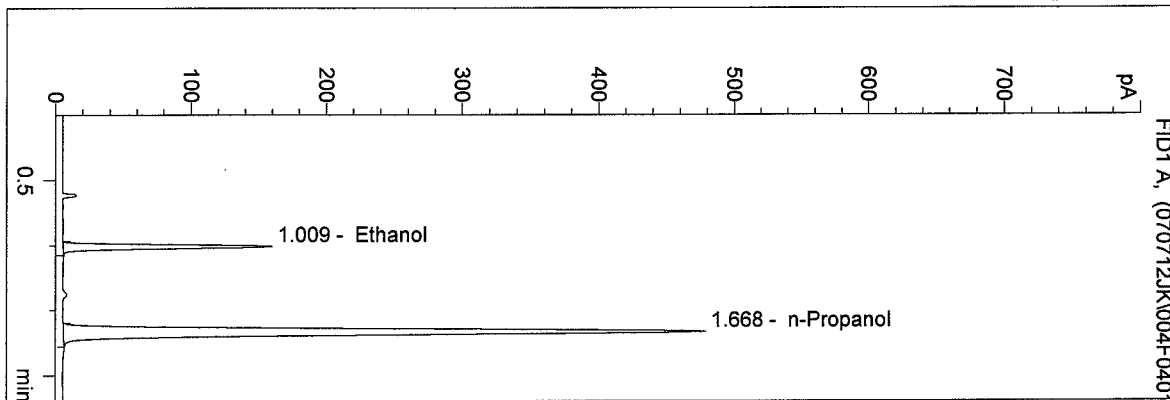


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/12/2007 8:30:37 AM
 Instrument 4
 DB-ALC1

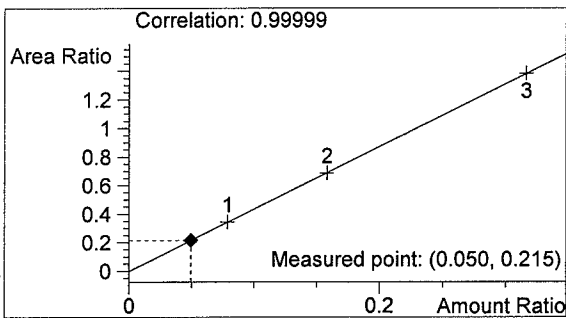
07019-2
 Justin Knoy

vial # 4

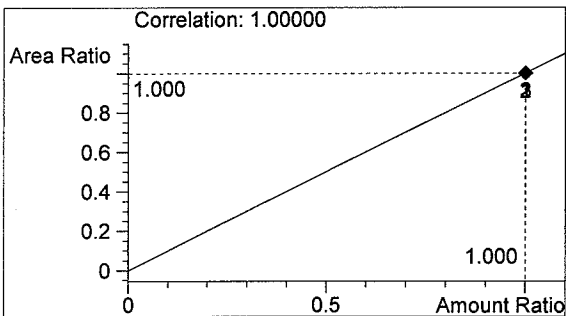


#	Compound	Area	RT
1	Ethanol	322	1.009
2	n-Propanol	1496	1.668

Totals:



Ethanol 0.050 g/100ml

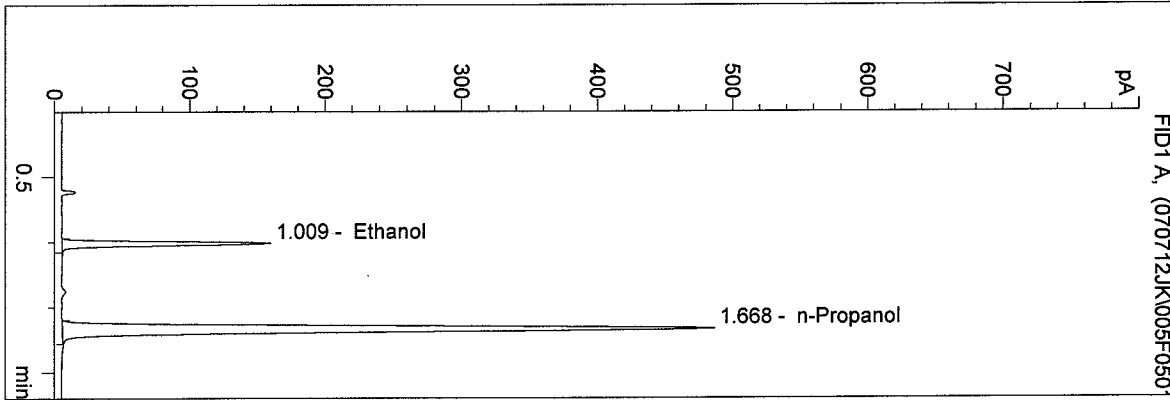


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/12/2007 8:33:47 AM
 Instrument 4
 DB-ALC1

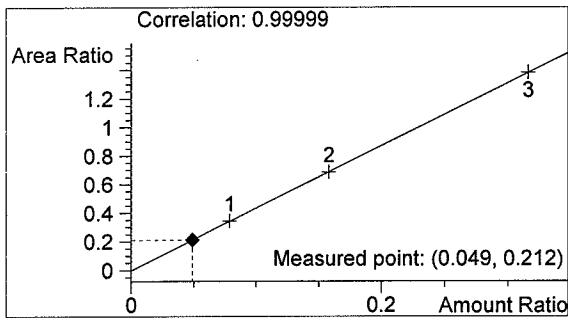
07019-3
 Justin Knoy

vial # 5

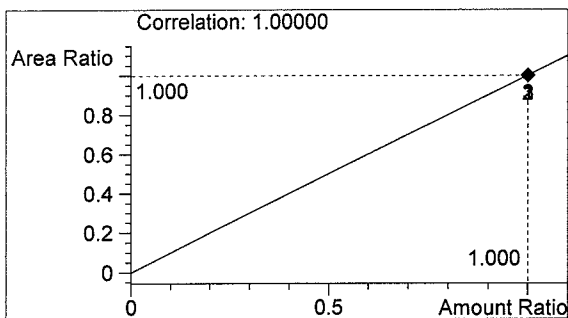


#	Compound	Area	RT
1	Ethanol	323	1.009
2	n-Propanol	1522	1.668

Totals:



Ethanol 0.049 g/100ml

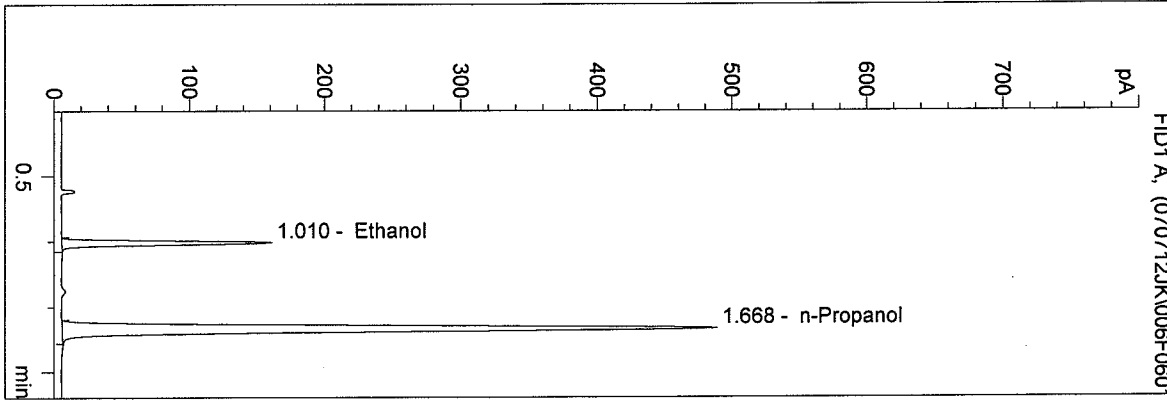


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/12/2007 8:37:00 AM
 Instrument 4
 DB-ALC1

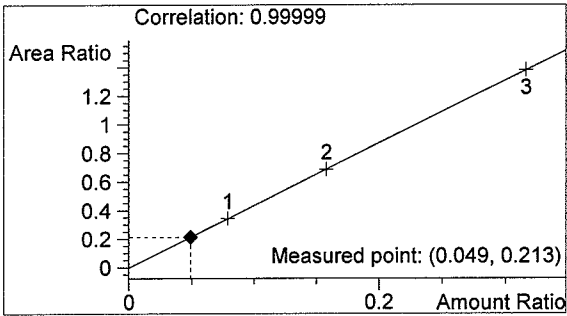
07019-4
 Justin Knoy

vial # 6

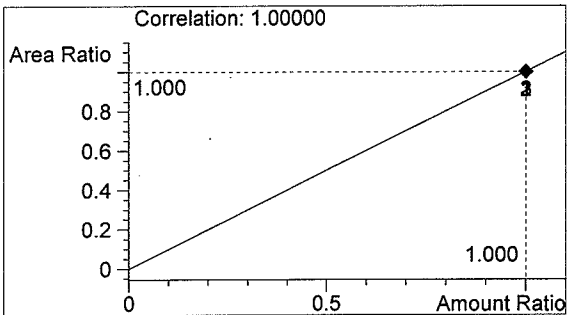


#	Compound	Area	RT
1	Ethanol	327	1.010
2	n-Propanol	1536	1.668

Totals:



Ethanol 0.049 g/100ml

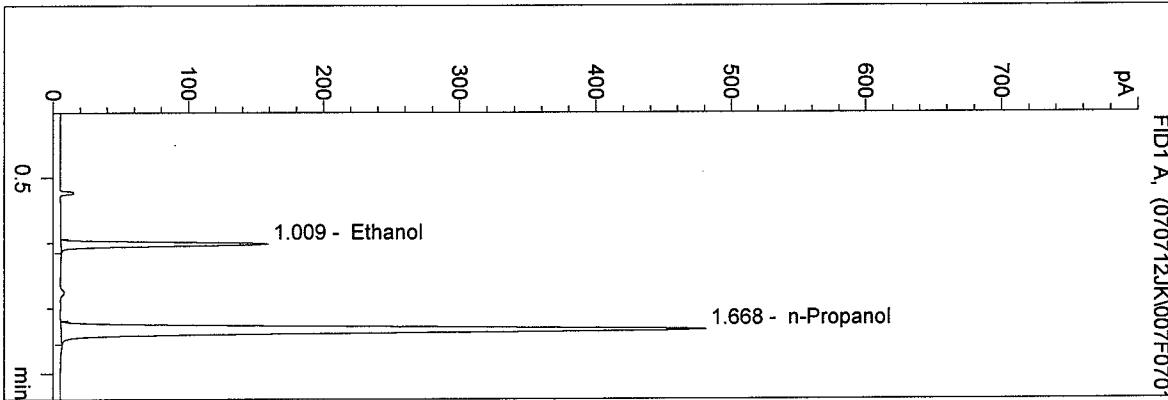


n-Propanol 1.000 g/100ml

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 7/12/2007 8:42:36 AM
 Instrument 4
 DB-ALC1

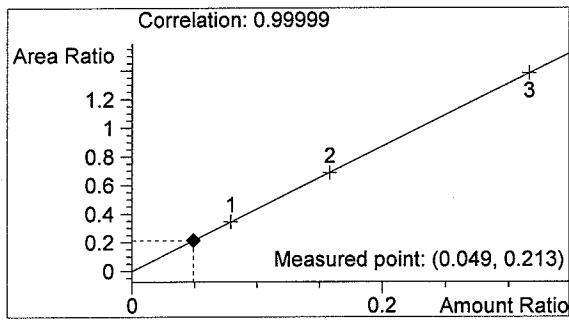
07019-5
 Justin Knoy

vial # 7

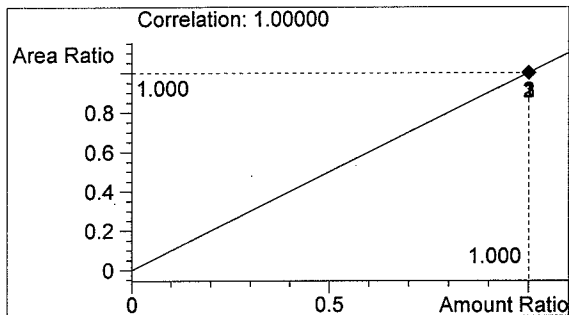


#	Compound	Area	RT
1	Ethanol	320	1.009
2	n-Propanol	1504	1.668

Totals:



Ethanol 0.049 g/100ml

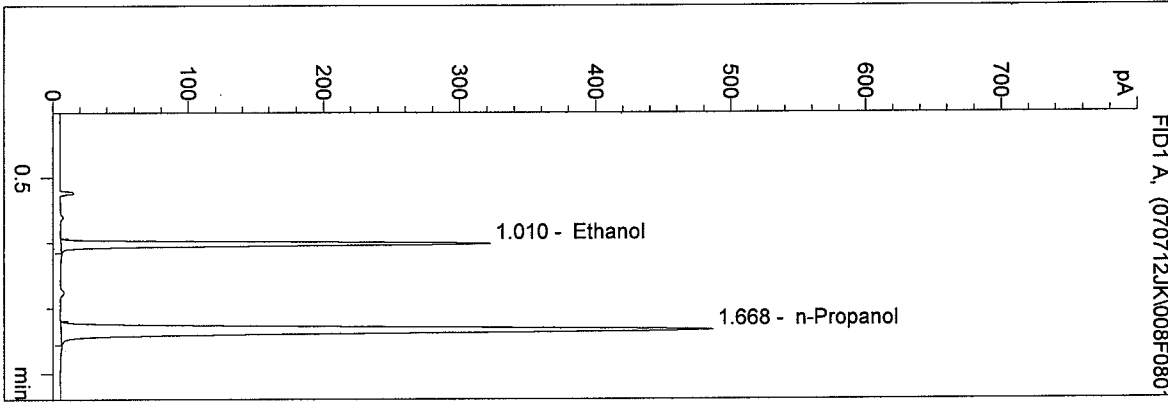


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/12/2007 8:45:50 AM
 Instrument 4
 DB-ALC1

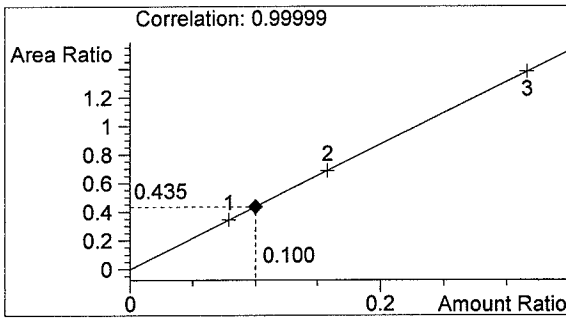
0.10 CTRL JK
 Justin Knoy

vial # 8

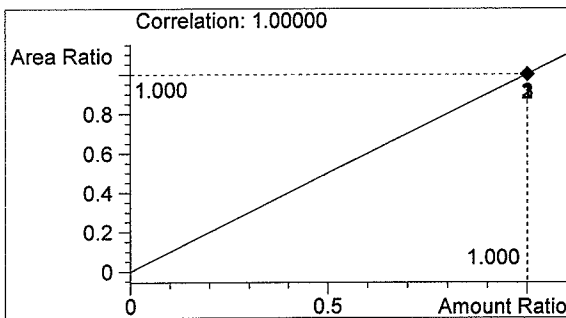


#	Compound	Area	RT
1	Ethanol	663	1.010
2	n-Propanol	1522	1.668

Totals:



Ethanol 0.100 g/100ml

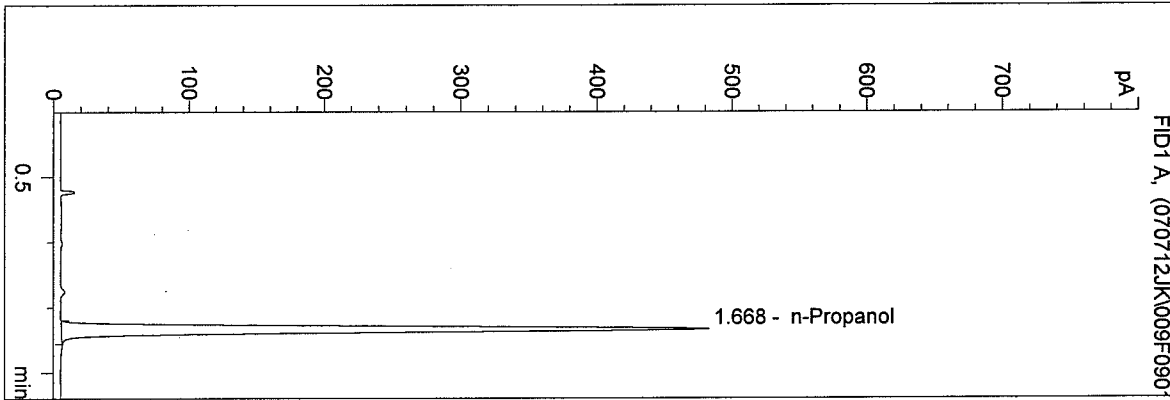


n-Propanol 1.000 g/100ml

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 Instrument 4
 DB-ALC1

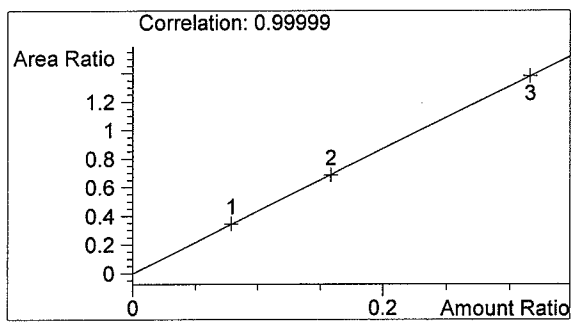
BLANK
 Justin Knoy

vial # 9

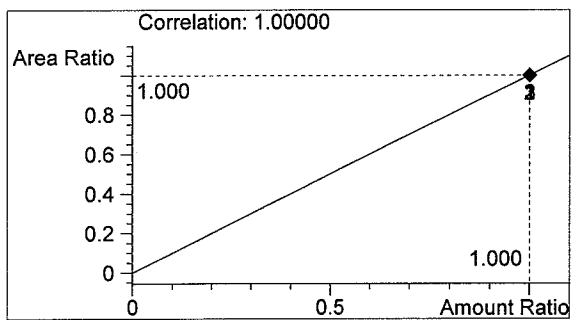


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1510	1.668

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml