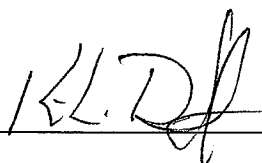
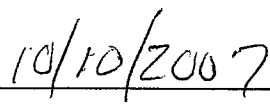
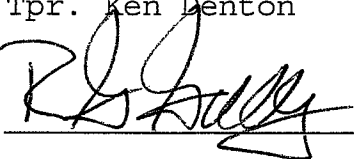



Notice of Simulator Solution File Review

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 DRENTON / TOM GOLUBSKY Date 10-1-07
Location TOX LAB SEATTLE Batch Number 06052

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 ___

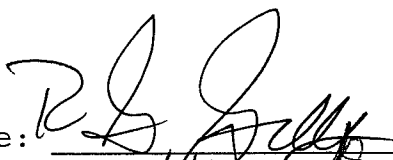
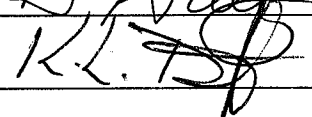
Computations:

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

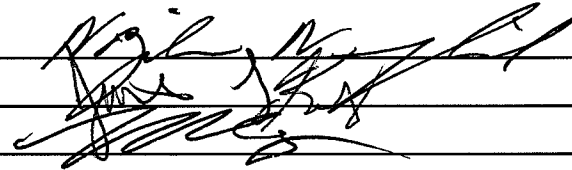
Preparation and certification of **0.10** g/210L Quality Assurance solution
 Batch number **06052** Date: 12/14/2006
 Preparation: 28.9 mL of absolute ethyl alcohol diluted to 18 Liters with water
 Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal 10	Anal 11	Anal 12	Anal 13	Anal 14	Anal 15	Anal 16
1	0.126	0.128	0.124													
2	0.126	0.128	0.125													
3	0.128	0.128	0.125													
4	0.128	0.128	0.124													
5	0.126	0.128	0.125													
Ctrl	0.100	0.101	0.099													

External Control:
 Lot #: A041837 Exp date: 4/2010
 Target concentration: 0.10 g/100mL

Statistics:
 Avg. solution concent.: 0.1265 g/100 mL
 SD: 0.00160
 Range (3xSD): 0.1217 to 0.1313
 Precision CV (%): 1.2629 %

Equivalent vapor concent.: 0.1028 g/210L

Analyst	Name	Signature	Date
1	Naziha Nuwayhid, PhD		12/19/2006
2	Justin L Knoy		12/20/2006
3	Brian Capron		12/21/2006
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Prepared by: Naziha Nuwayhid, PhD 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, Naziha Nuwayhid, do certify under penalty of perjury that:

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

I possess the following qualifications: Bachelor and Masters degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and six years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

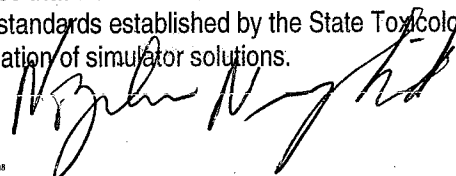
The quality assurance solution, Lot Number 06052, was prepared in the Washington State Toxicology Laboratory on 12/14/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.1265 grams per 100ml.

Dated: 01/08/2007
Seattle, WA


Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/km
NNQA

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

 10/9/07



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

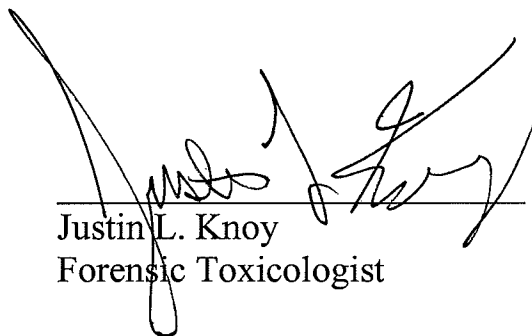
I, Justin L. Knoy, do certify under penalty of perjury that:

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 06052, was prepared in the Washington State Toxicology Laboratory on 12/14/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.1265 grams per 100ml.

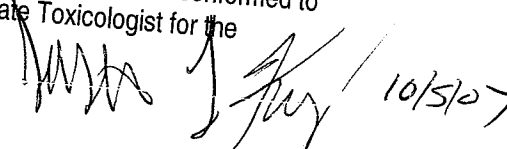
Dated: 01/08/2007
Seattle, WA



Justin L. Knoy
Forensic Toxicologist

JLK/km
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.



Justin L. Knoy / 10/5/07



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

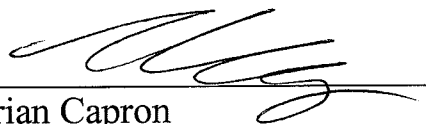
I, Brian Capron, do certify under penalty of perjury that:

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 06052, was prepared in the Washington State Toxicology Laboratory on 12/14/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.1265 grams per 100ml.

Dated: 01/08/07
Seattle, WA


Brian Capron
Forensic Toxicologist

BC/km
BCQA

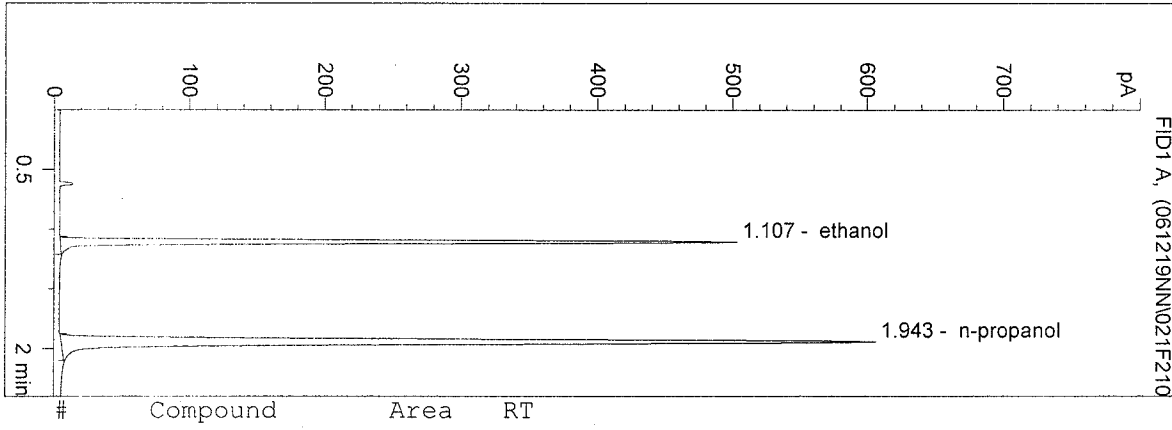
A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions.

 10.9.07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 12/19/2006 11:37:11 AM
 Instrument 5
 DB-ALC2

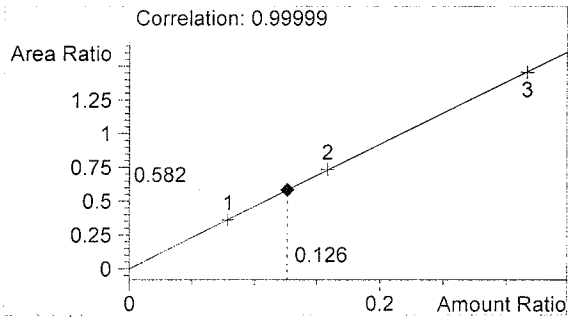
06052 QA-1
 N Nuwayhid, PhD

vial # 21

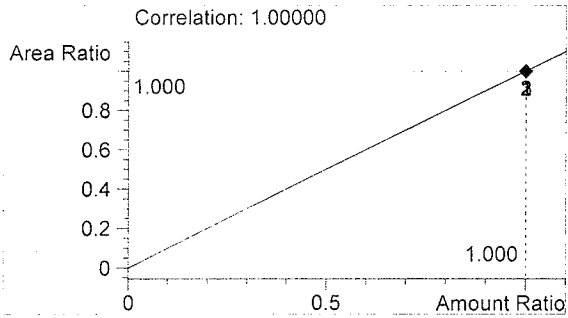


#	Compound	Area	RT
1	ethanol	1031	1.107
2	n-propanol	1772	1.943

Totals:



ethanol 0.126 g/100ml

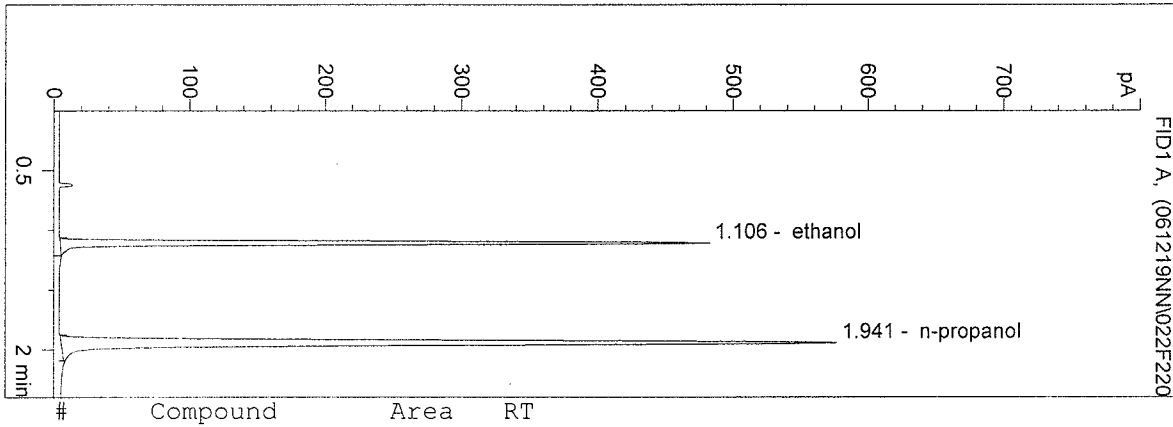


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 12/19/2006 11:42:13 AM
 Instrument 5
 DB-ALC2

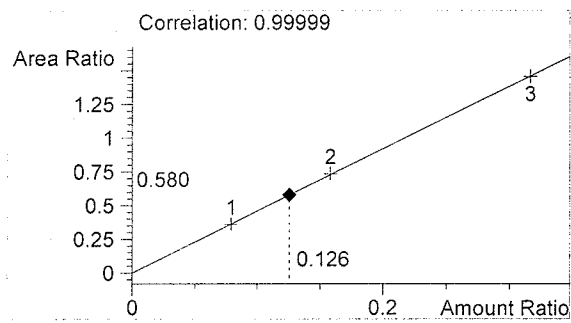
06052 QA-2
 N Nuwayhid, PhD

vial # 22

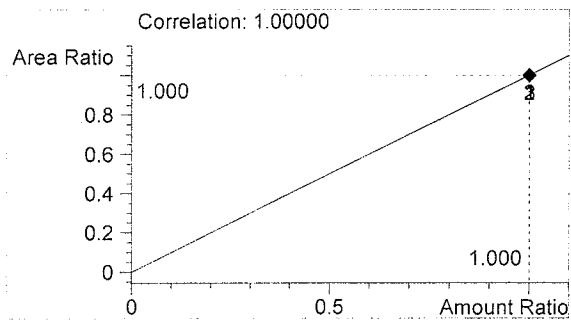


#	Compound	Area	RT
1	ethanol	979	1.106
2	n-propanol	1689	1.941

Totals:



ethanol 0.126 g/100ml

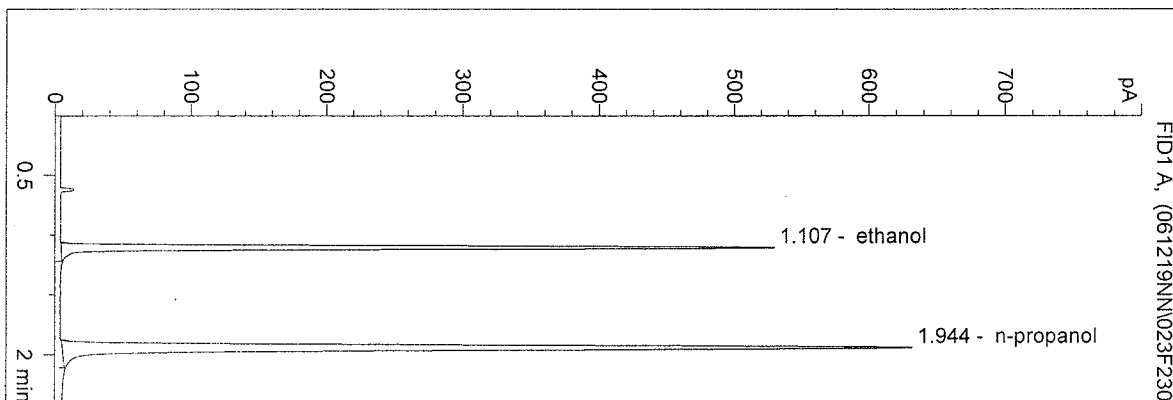


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 12/19/2006 11:45:42 AM
 Instrument 5
 DB-ALC2

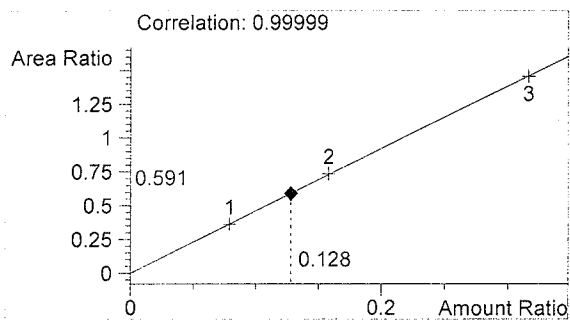
06052 QA-3
 N Nuwayhid, PhD

vial # 23

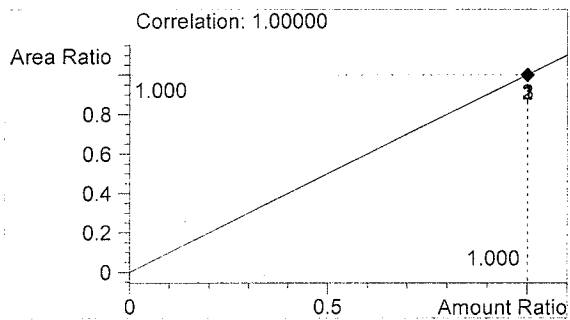


#	Compound	Area	RT
1	ethanol	1094	1.107
2	n-propanol	1851	1.944

Totals:



ethanol 0.128 g/100ml

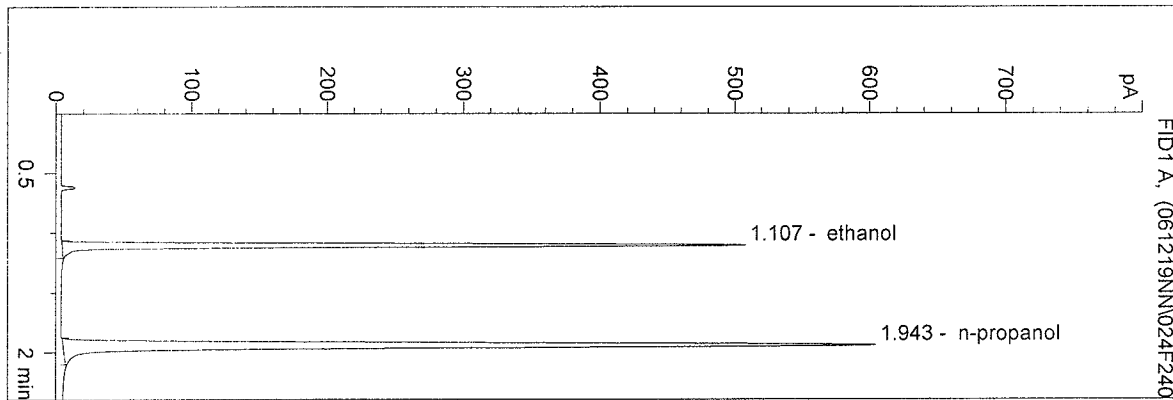


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 12/19/2006 11:49:17 AM
 Instrument 5
 DB-ALC2

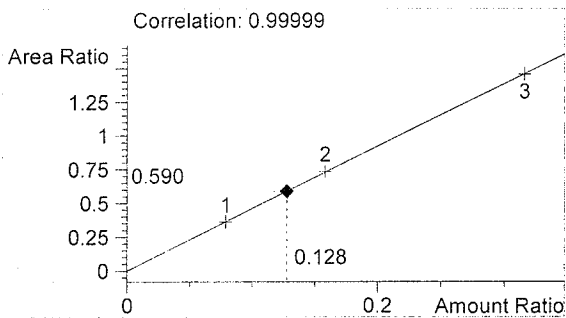
06052 QA-4
 N Nuwayhid, PhD

vial # 24

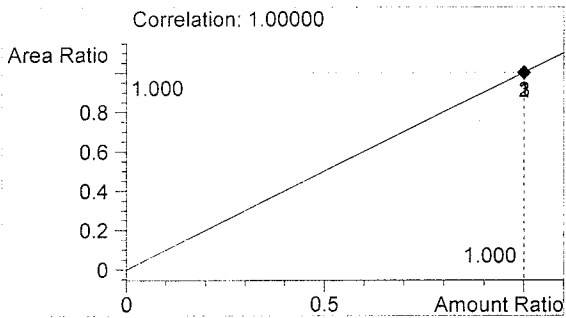


#	Compound	Area	RT
1	ethanol	1046	1.107
2	n-propanol	1774	1.943

Totals:



ethanol 0.128 g/100ml

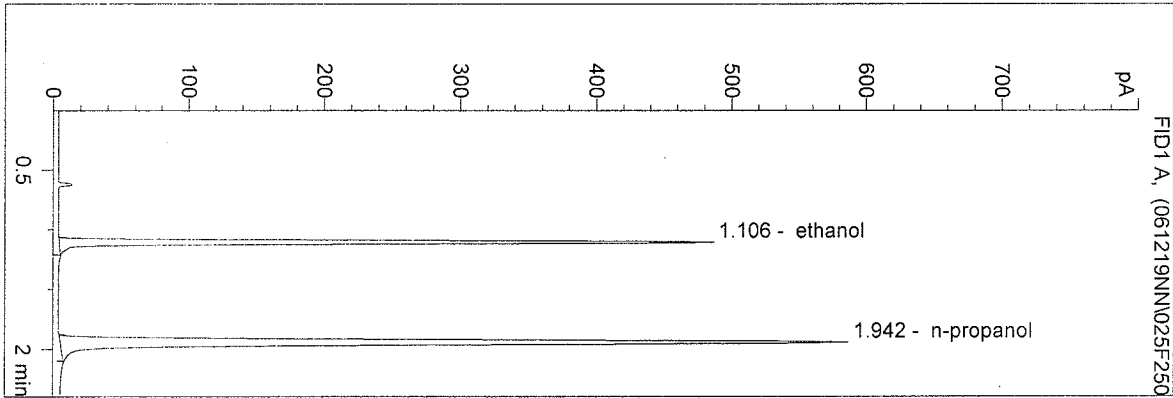


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 12/19/2006 11:54:11 AM
 Instrument 5
 DB-ALC2

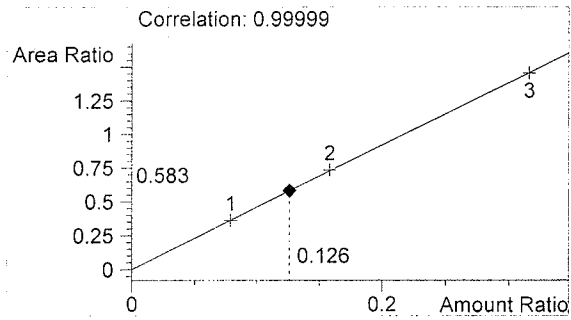
06052 QA-5
 N Nuwayhid, PhD

vial # 25

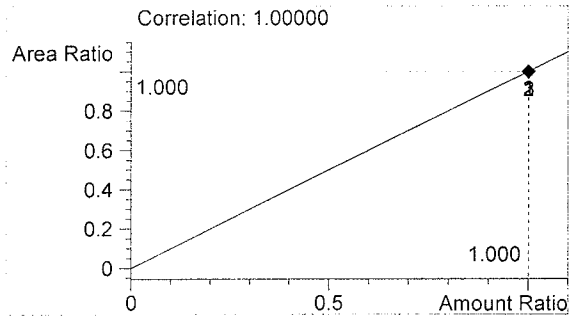


#	Compound	Area	RT
1	ethanol	999	1.106
2	n-propanol	1714	1.942

Totals:



ethanol 0.126 g/100ml

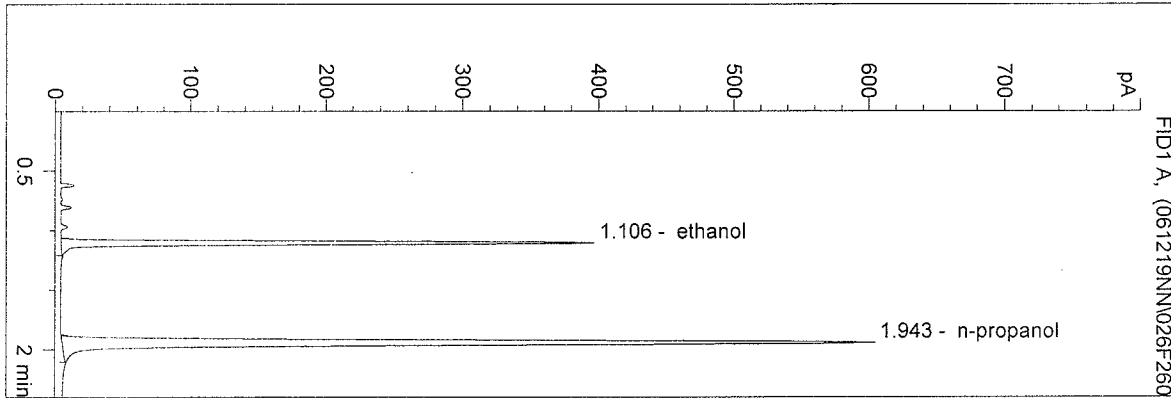


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 12/19/2006 11:57:43 AM
 Instrument 5
 DB-ALC2

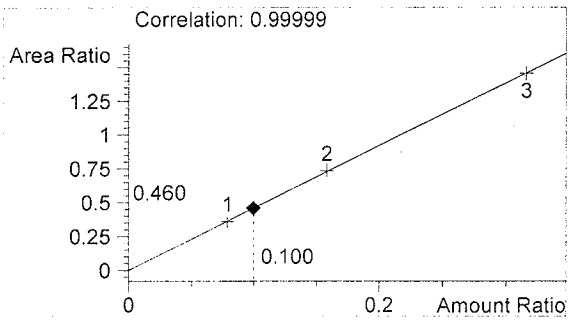
0.100 CTL
 N Nuwayhid, PhD

vial # 26

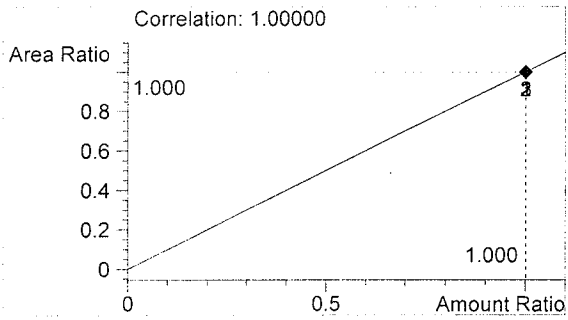


#	Compound	Area	RT
1	ethanol	813	1.106
2	n-propanol	1769	1.943

Totals:



ethanol 0.100 g/100ml

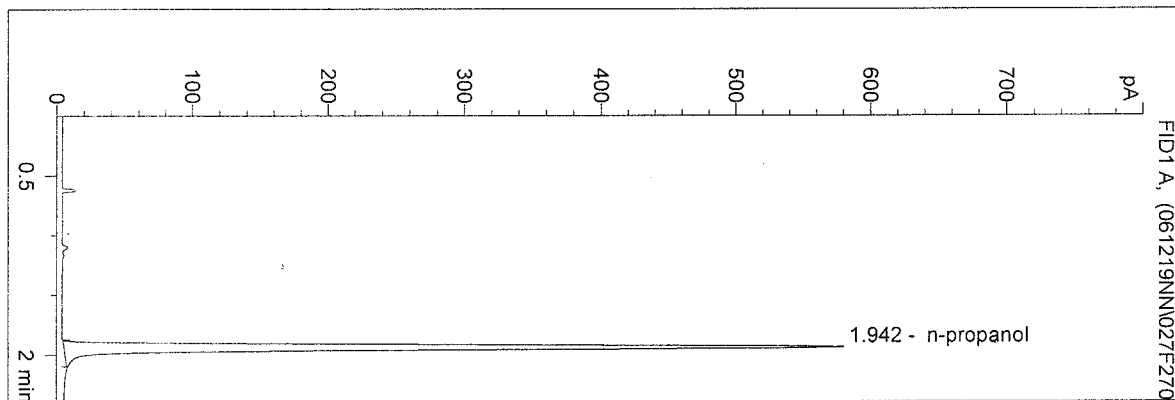


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 12/19/2006 12:01:14 PM
 Instrument 5
 DB-ALC2

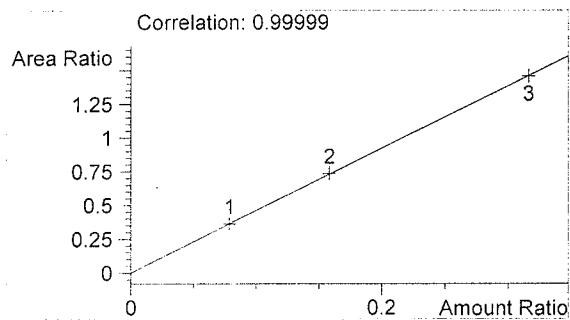
BLANK
 N Nuwayhid, PhD

vial # 27

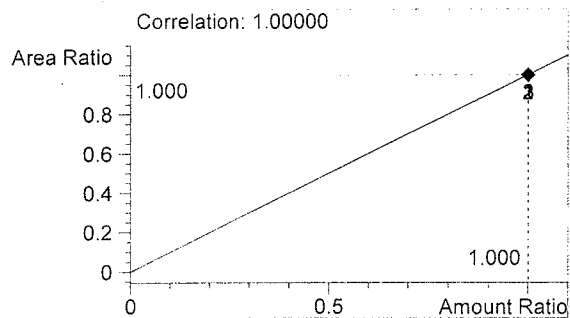


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1701	1.942

Totals:



ethanol 0.000 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: 061220JK
 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	BLANK	BLDALCO	1	Sample		
2	Vial 2	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
3	Vial 3	BLANK	BLDALCO	1	Sample		
4	Vial 4	06052-1	BLDALCO	1	Sample		
5	Vial 5	06052-2	BLDALCO	1	Sample		
6	Vial 6	06052-3	BLDALCO	1	Sample		
7	Vial 7	06052-4	BLDALCO	1	Sample		
8	Vial 8	06052-5	BLDALCO	1	Sample		
9	Vial 9	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
10	Vial 10	blank	BLDALCO	1	Sample		
11	Vial 11	06053-1	BLDALCO	1	Sample		
12	Vial 12	06053-2	BLDALCO	1	Sample		
13	Vial 13	06053-3	BLDALCO	1	Sample		
14	Vial 14	06053-4	BLDALCO	1	Sample		
15	Vial 15	06053-5	BLDALCO	1	Sample		
16	Vial 16	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
17	Vial 17	blank	BLDALCO	1	Sample		
18	Vial 18	06054-1	BLDALCO	1	Sample		
19	Vial 19	06054-2	BLDALCO	1	Sample		
20	Vial 20	06054-3	BLDALCO	1	Sample		
21	Vial 21	06054-4	BLDALCO	1	Sample		
22	Vial 22	06054-5	BLDALCO	1	Sample		
23	Vial 23	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
24	Vial 24	BLANK	BLDALCO	1	Sample		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
------	----------	------------	--------	--------	--------	----	--------	----	----------

Sequence Table (Back Injector):

No entries - empty table!

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

Calib. Data Modified : Tuesday, December 19, 2006 4:11:58 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

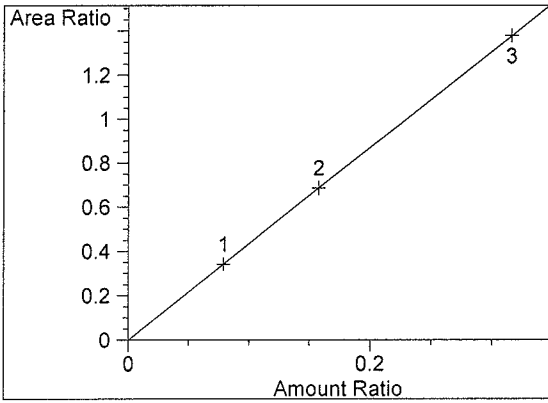
Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100ml]	Area	Amt/Area	Ref Grp Name
1.001	1 1	7.90000e-2	510.80838	1.54657e-4	1 Ethanol
	2	1.58000e-1	980.67810	1.61113e-4	
	3	3.16000e-1	2007.73901	1.57391e-4	
1.651	1 1	1.00000	1498.26465	6.67439e-4	I1 n-Propanol
	2	1.00000	1428.81140	6.99882e-4	
	3	1.00000	1456.13953	6.86747e-4	

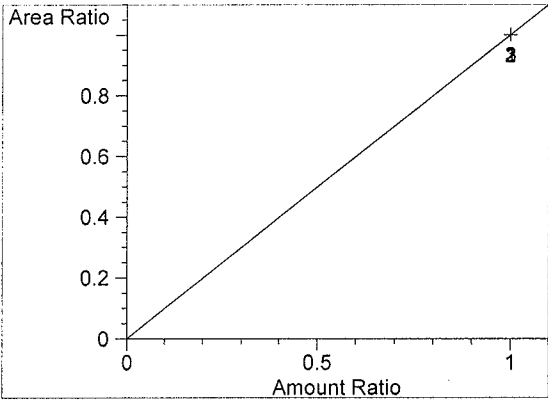
=====
 Peak Sum Table
 =====

No Entries in table
 =====

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



Ethanol at exp. RT: 1.001
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00239
Formula: $y = mx + b$
m: 4.36631
b: -2.11669e-3
x: Amount Ratio
y: Area Ratio

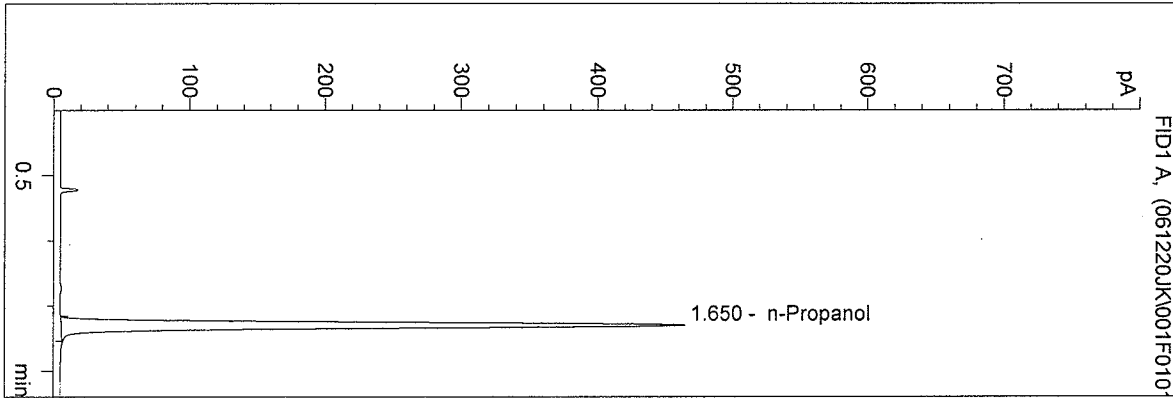


n-Propanol at exp. RT: 1.651
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

D:\HPCHEM\1\METHODS\BLDALCO.M
 12/20/2006 8:10:07 AM
 Instrument 4
 DB-ALC1

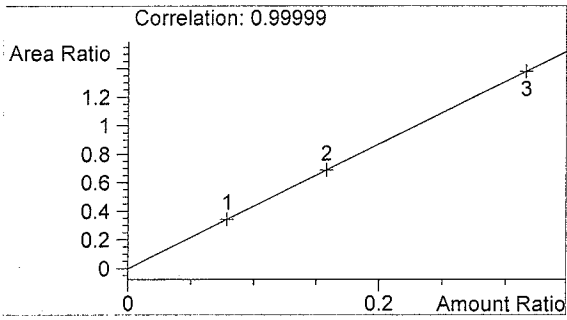
BLANK
 Justin Knoy

vial # 1

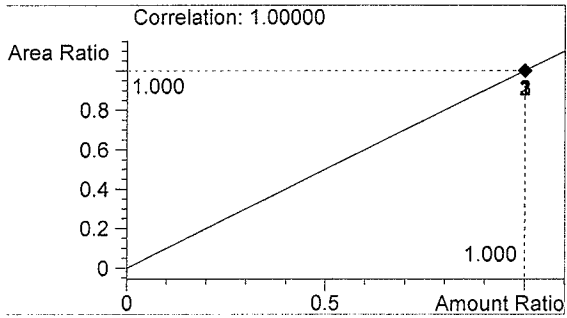


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1441	1.650

Totals:



Ethanol 0.000 g/100ml

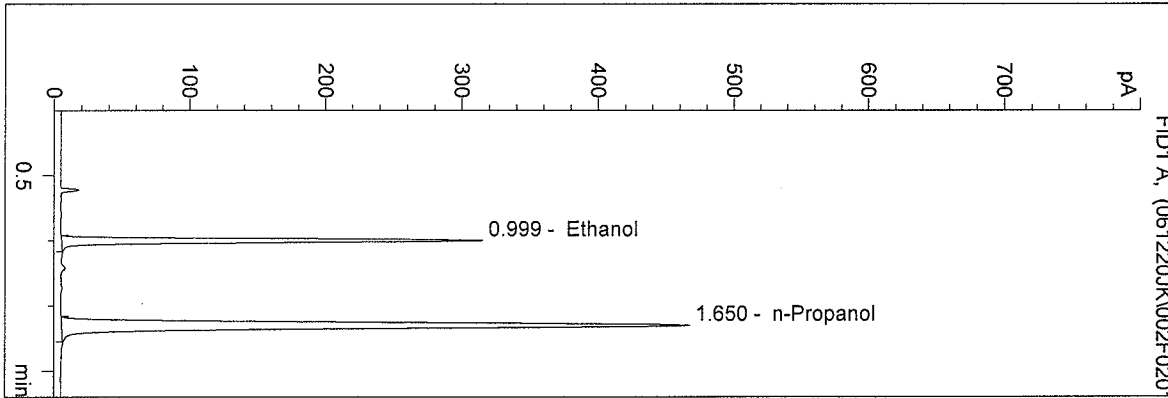


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 12/20/2006 8:13:26 AM
 Instrument 4
 DB-ALC1

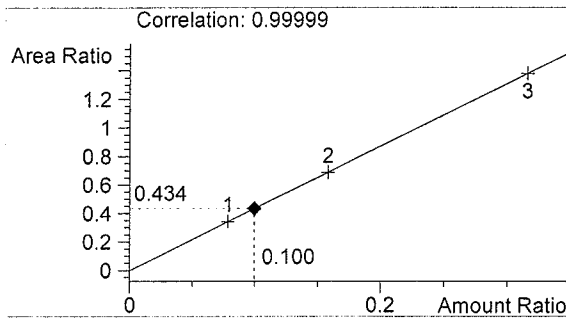
0.10 CTRL JK
 Justin Knoy

vial # 2

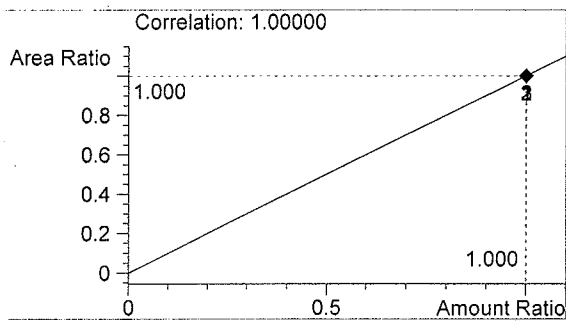


#	Compound	Area	RT
1	Ethanol	630	0.999
2	n-Propanol	1452	1.650

Totals:



Ethanol 0.100 g/100ml

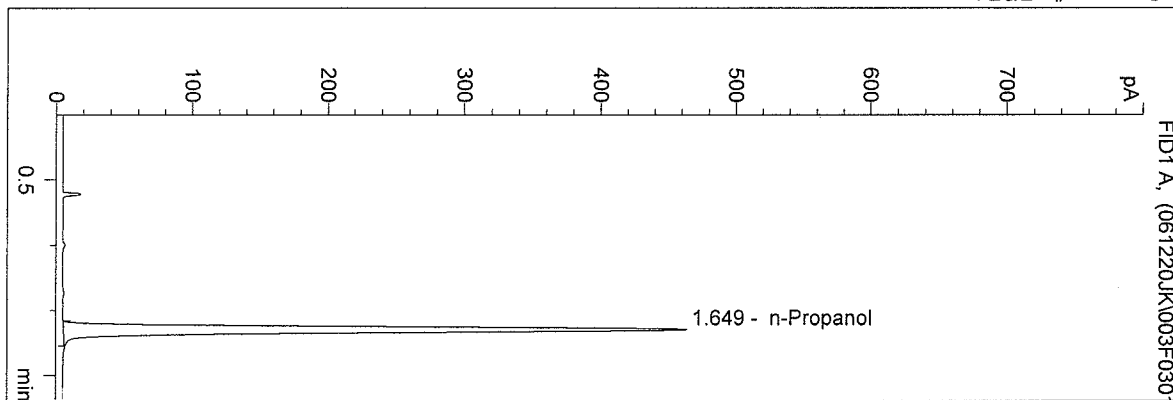


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 12/20/2006 8:16:40 AM
 Instrument 4
 DB-ALC1

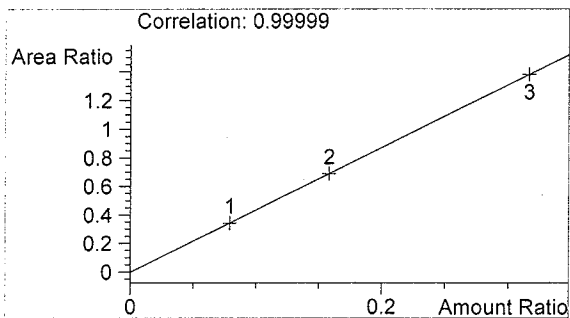
BLANK
 Justin Knoy

vial # 3

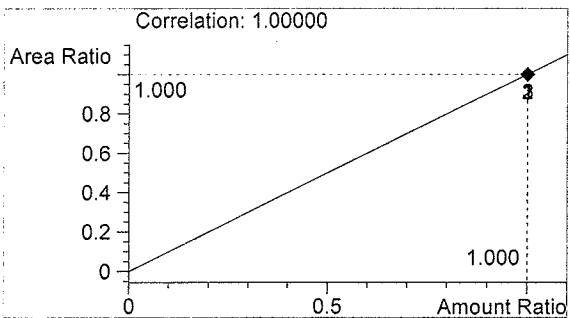


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1439	1.649

Totals:



Ethanol 0.000 g/100ml

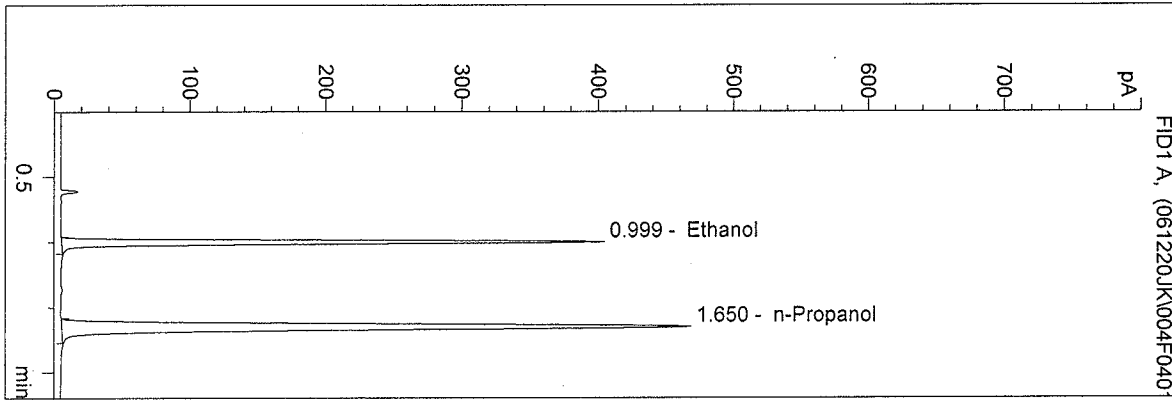


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 12/20/2006 8:19:52 AM
 Instrument 4
 DB-ALC1

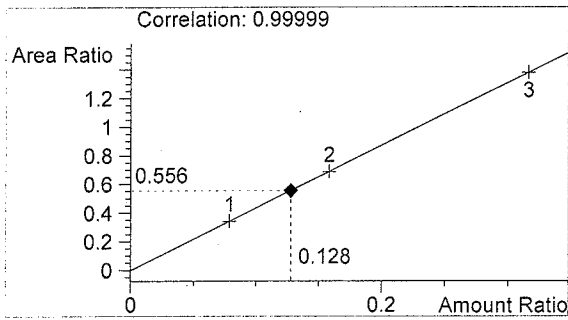
06052-1
 Justin Knoy

vial # 4

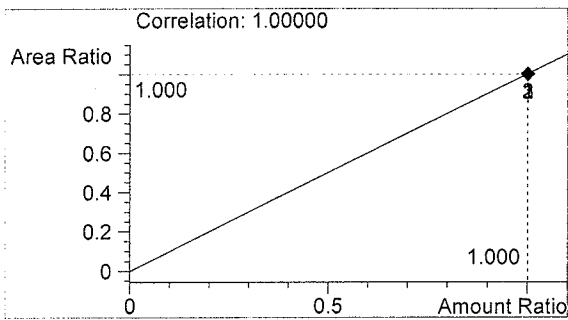


#	Compound	Area	RT
1	Ethanol	806	0.999
2	n-Propanol	1451	1.650

Totals:



Ethanol 0.128 g/100ml

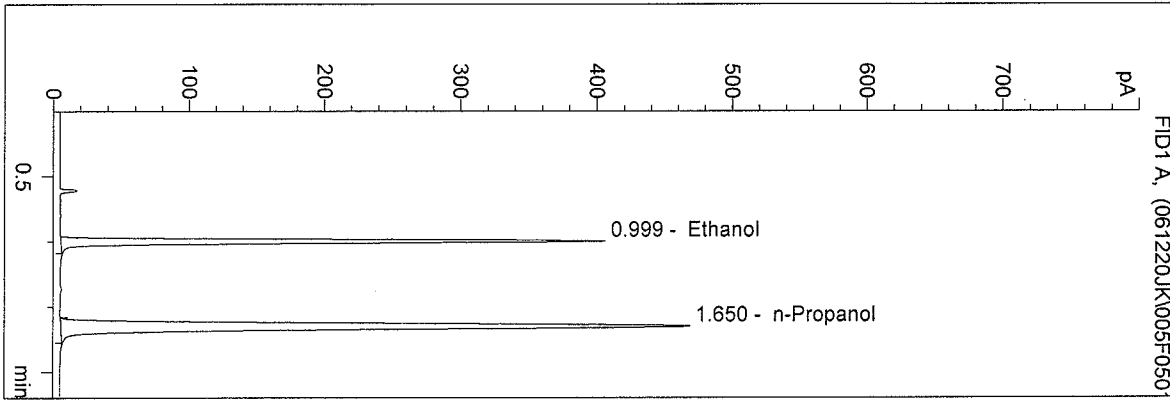


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 12/20/2006 8:23:04 AM
 Instrument 4
 DB-ALC1

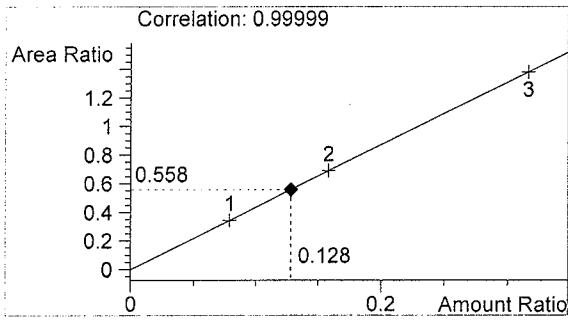
06052-2
 Justin Knoy

vial # 5

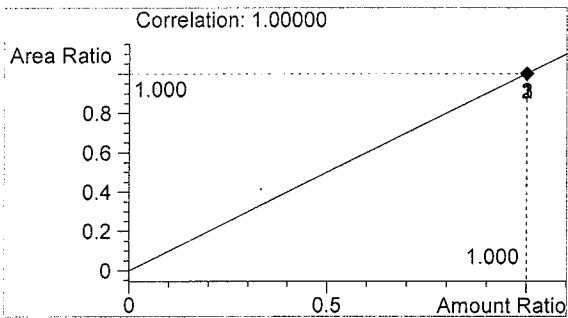


#	Compound	Area	RT
1	Ethanol	811	0.999
2	n-Propanol	1454	1.650

Totals:



Ethanol 0.128 g/100ml

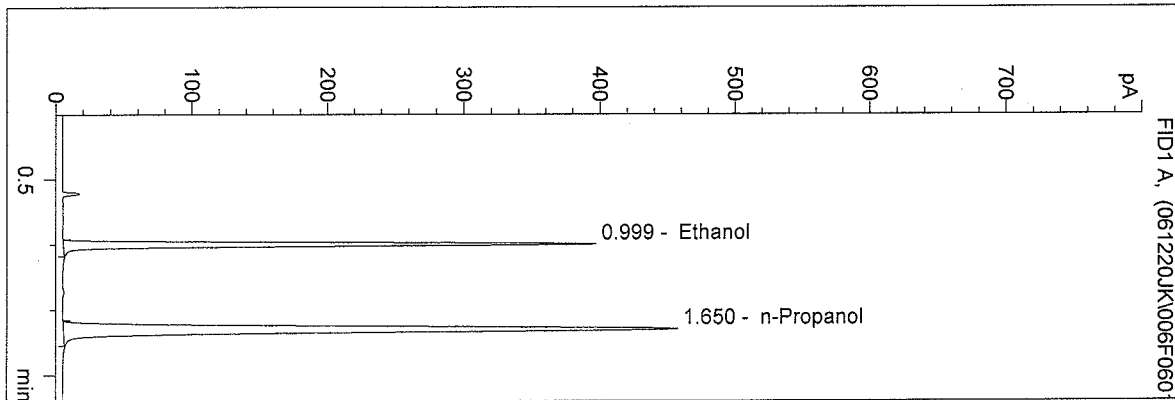


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 12/20/2006 8:26:25 AM
 Instrument 4
 DB-ALC1

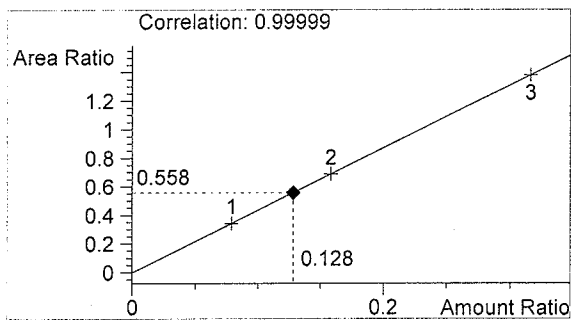
06052-3
 Justin Knoy

vial # 6

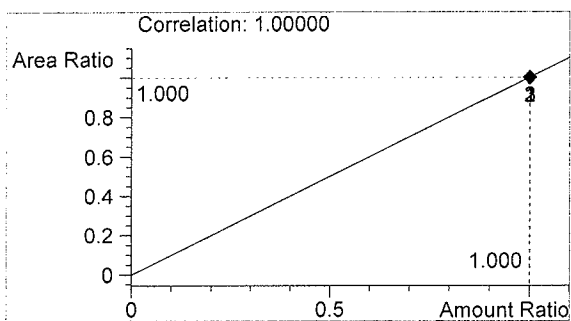


#	Compound	Area	RT
1	Ethanol	792	0.999
2	n-Propanol	1418	1.650

Totals:



Ethanol 0.128 g/100ml

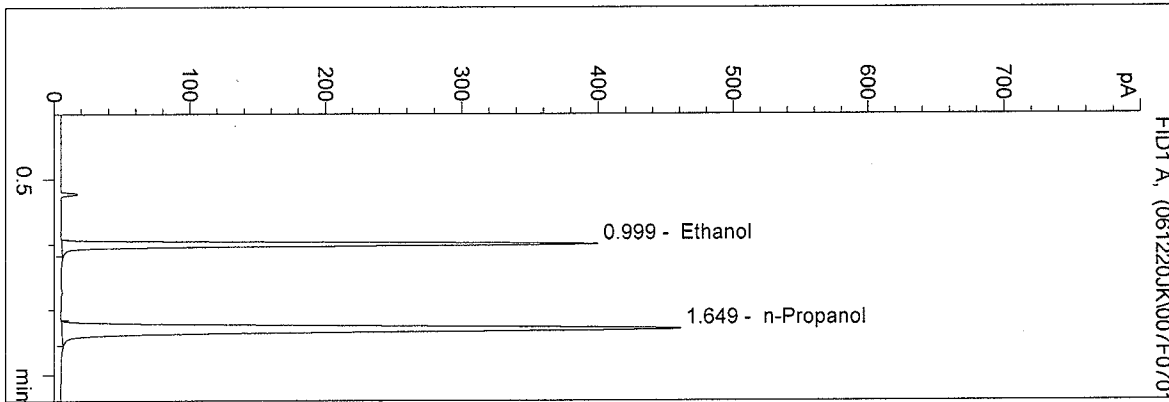


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 12/20/2006 8:31:45 AM
 Instrument 4
 DB-ALC1

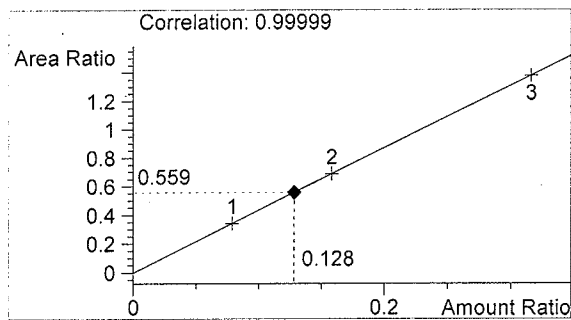
06052-4
 Justin Knoy

vial # 7

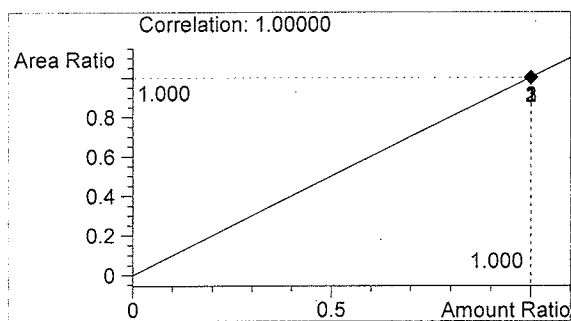


#	Compound	Area	RT
1	Ethanol	796	0.999
2	n-Propanol	1426	1.649

Totals:



Ethanol 0.128 g/100ml

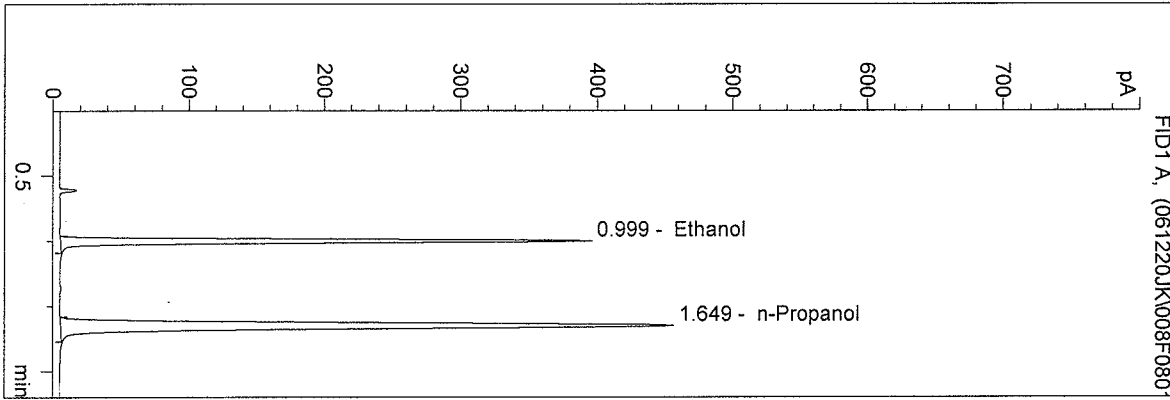


n-Propanol 1.000 g/100ml

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 12/20/2006 8:35:01 AM
 Instrument 4
 DB-ALC1

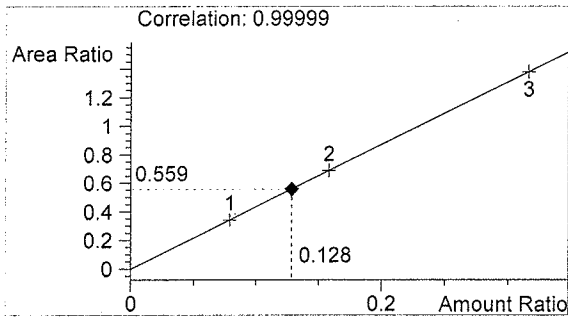
06052-5
 Justin Knoy

vial # 8

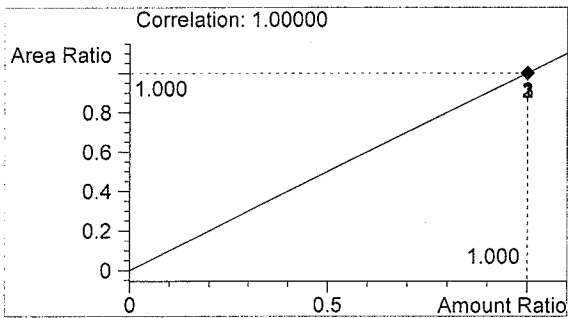


#	Compound	Area	RT
1	Ethanol	791	0.999
2	n-Propanol	1415	1.649

Totals:



Ethanol 0.128 g/100ml

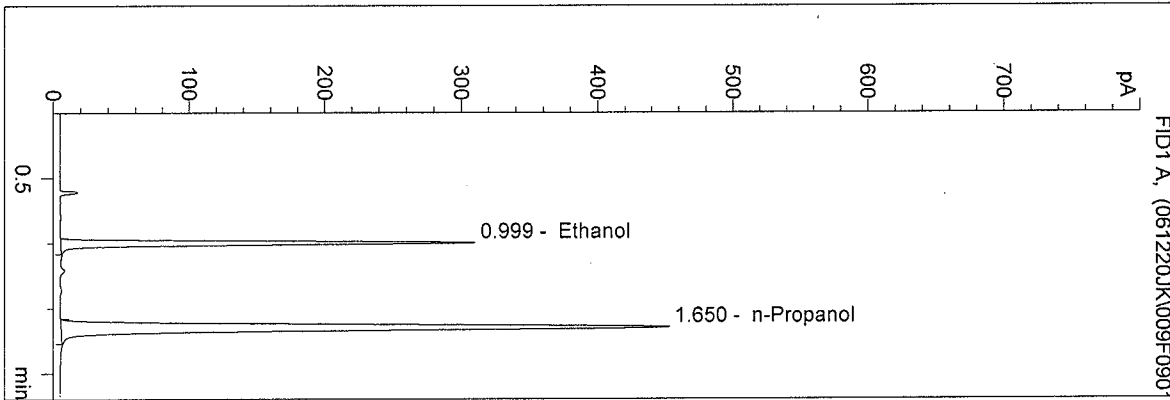


n-Propanol 1.000 g/100ml

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 12/20/2006 8:38:20 AM
 Instrument 4
 DB-ALC1

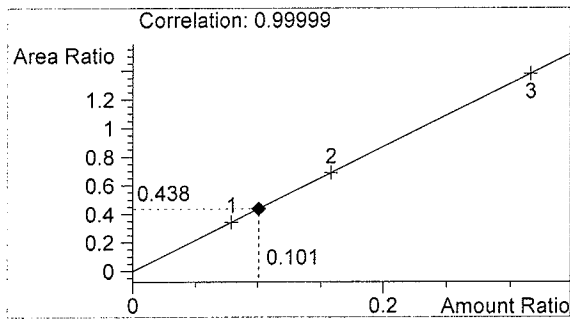
0.10 CTRL JK
 Justin Knoy

vial # 9

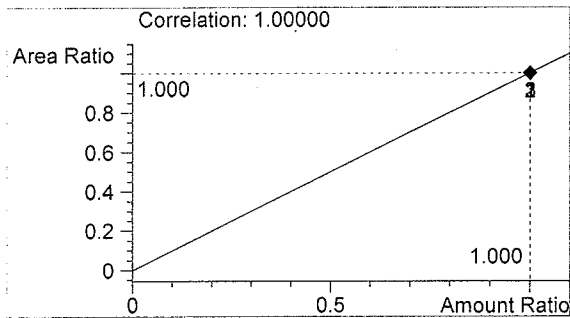


#	Compound	Area	RT
1	Ethanol	614	0.999
2	n-Propanol	1401	1.650

Totals:



Ethanol 0.101 g/100ml

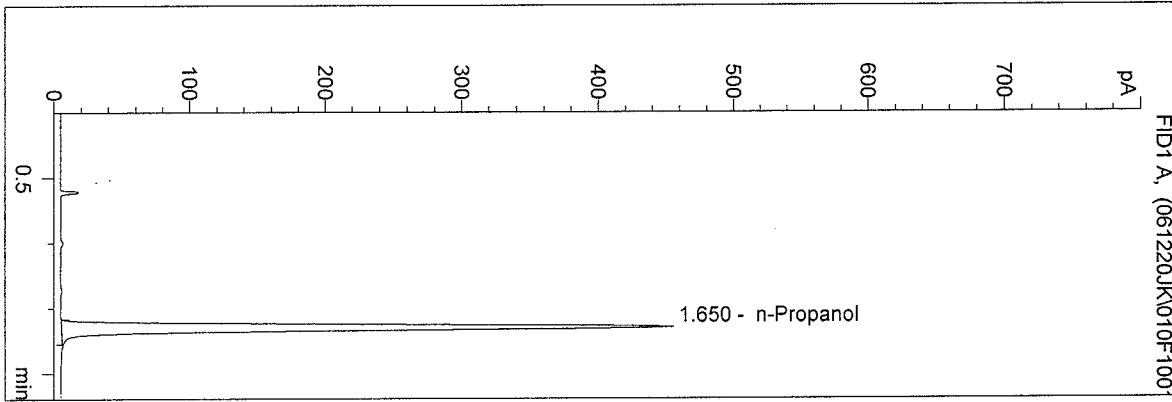


n-Propanol 1.000 g/100ml

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 12/20/2006 8:41:38 AM
 Instrument 4
 DB-ALC1

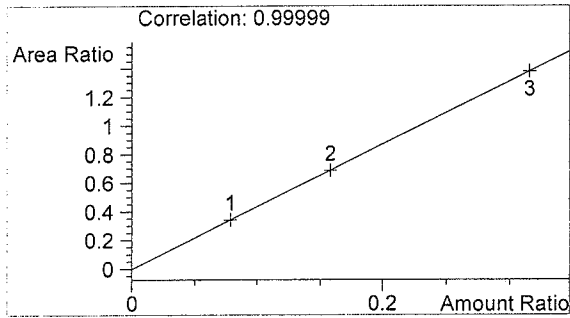
blank
 Justin Knoy

vial # 10

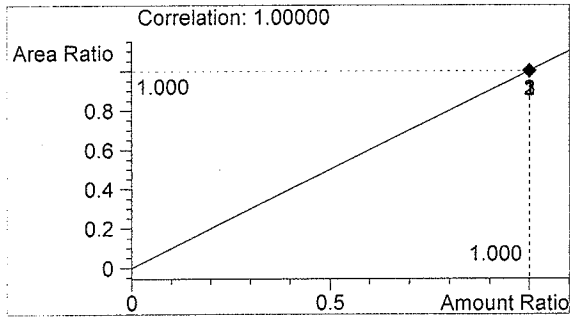


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1410	1.650

Totals:



Ethanol 0.000 g/100ml

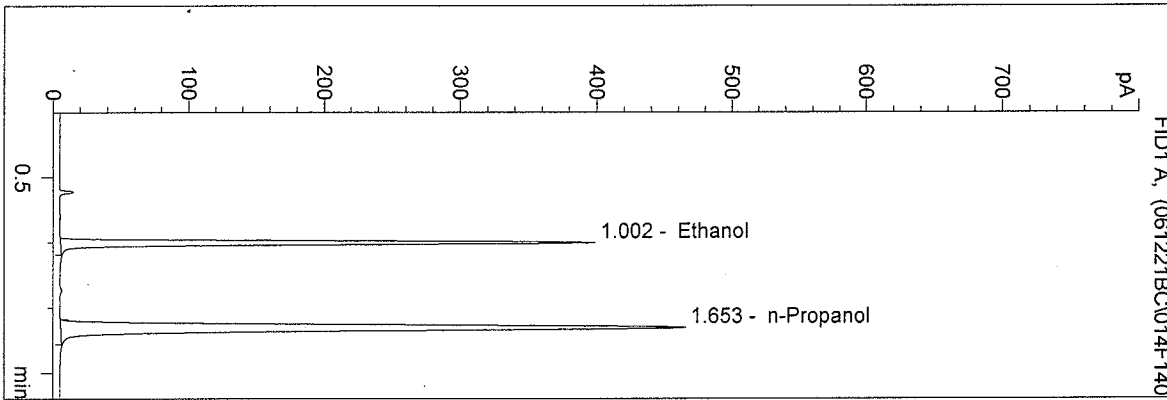


n-Propanol 1.000 g/100ml

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 12/21/2006 8:21:04 AM
 Instrument 4
 DB-ALC1

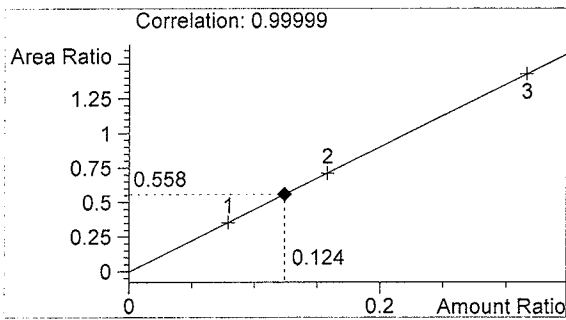
06052
 bcapron

vial # 14

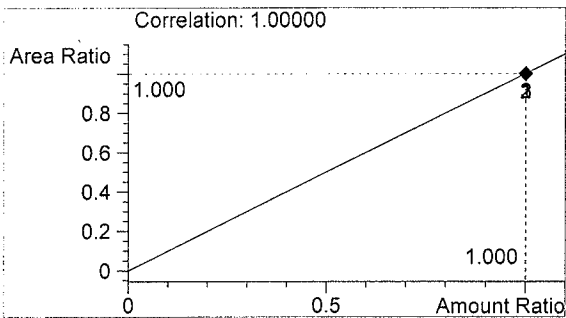


#	Compound	Area	RT
1	Ethanol	808	1.002
2	n-Propanol	1449	1.653

Totals:



Ethanol 0.124 g/100ml

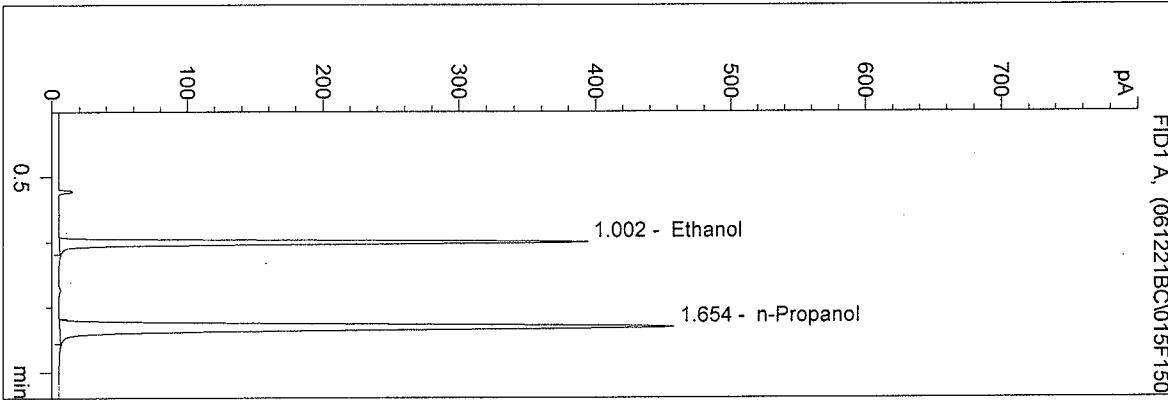


n-Propanol 1.000 g/100ml

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 12/21/2006 8:24:28 AM
 Instrument 4
 DB-ALC1

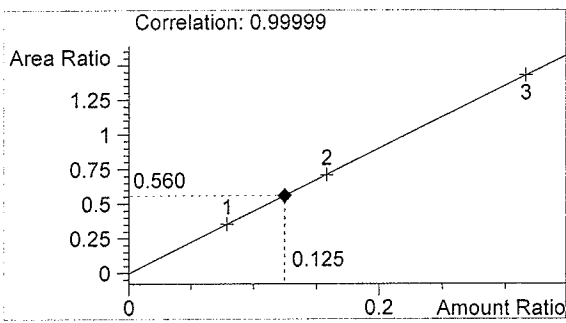
06052
 bcapron

vial # 15

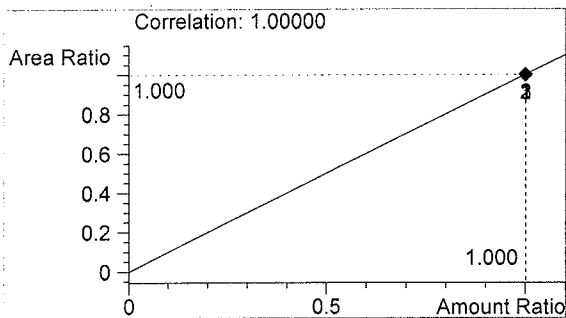


#	Compound	Area	RT
1	Ethanol	797	1.002
2	n-Propanol	1423	1.654

Totals:



Ethanol 0.125 g/100ml

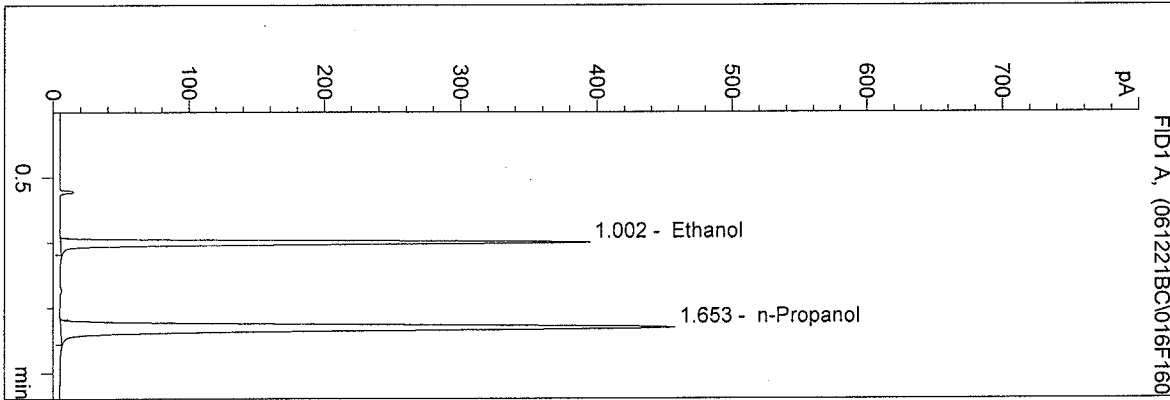


n-Propanol 1.000 g/100ml

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 12/21/2006 8:27:46 AM
 Instrument 4
 DB-ALC1

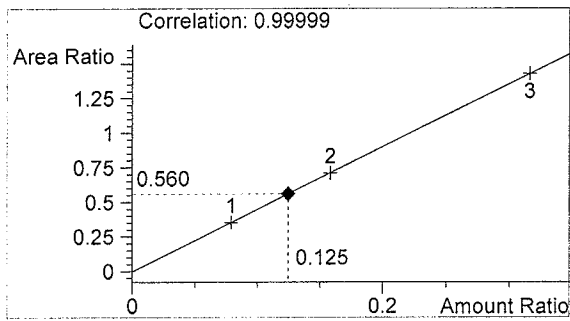
06052
 bcapron

vial # 16

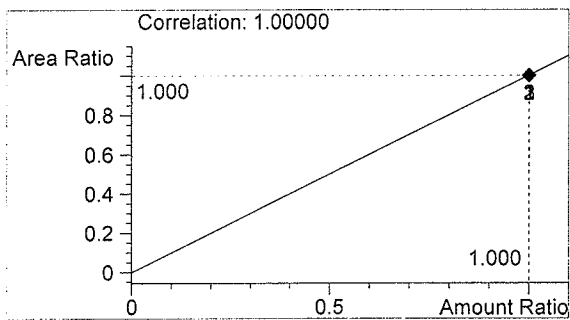


#	Compound	Area	RT
1	Ethanol	798	1.002
2	n-Propanol	1424	1.653

Totals:



Ethanol 0.125 g/100ml

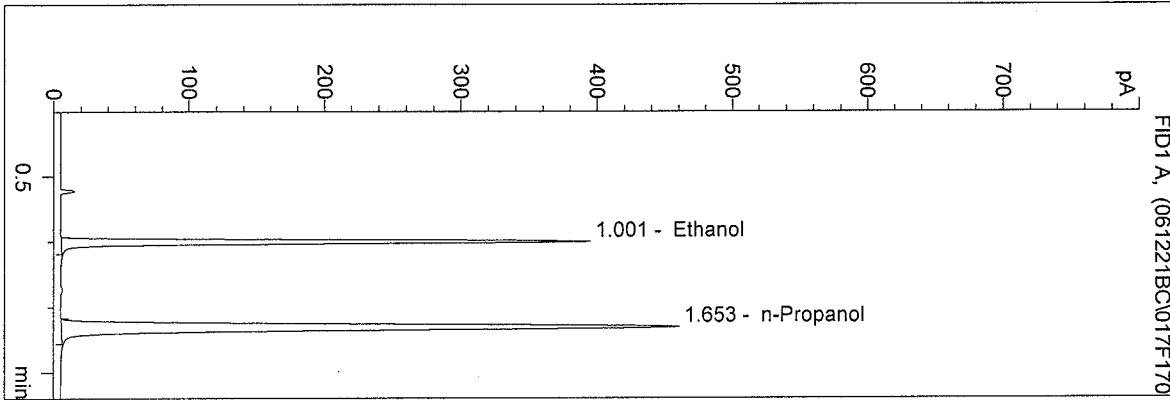


n-Propanol 1.000 g/100ml

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 12/21/2006 8:31:03 AM
 Instrument 4
 DB-ALC1

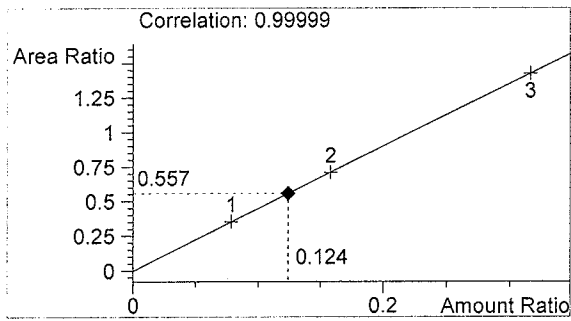
06052
 bcapron

vial # 17

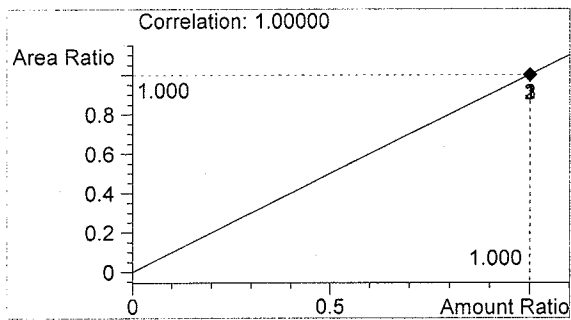


#	Compound	Area	RT
1	Ethanol	799	1.001
2	n-Propanol	1433	1.653

Totals:



Ethanol 0.124 g/100ml

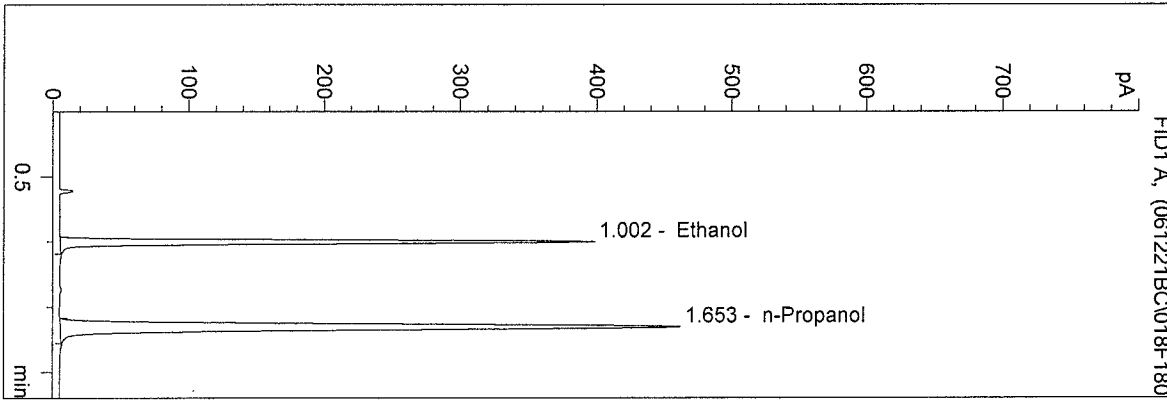


n-Propanol 1.000 g/100ml

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 12/21/2006 8:34:24 AM
 Instrument 4
 DB-ALC1

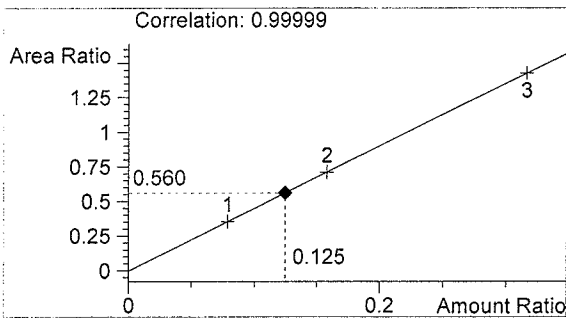
06052
 bcapron

vial # 18

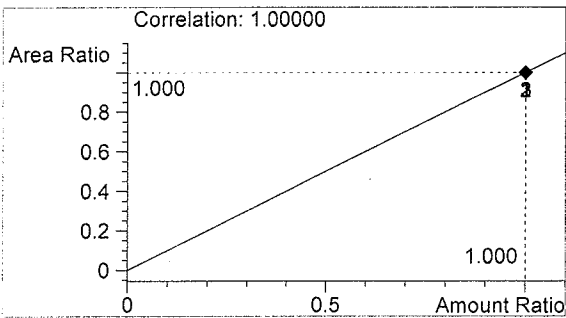


#	Compound	Area	RT
1	Ethanol	805	1.002
2	n-Propanol	1437	1.653

Totals:



Ethanol 0.125 g/100ml

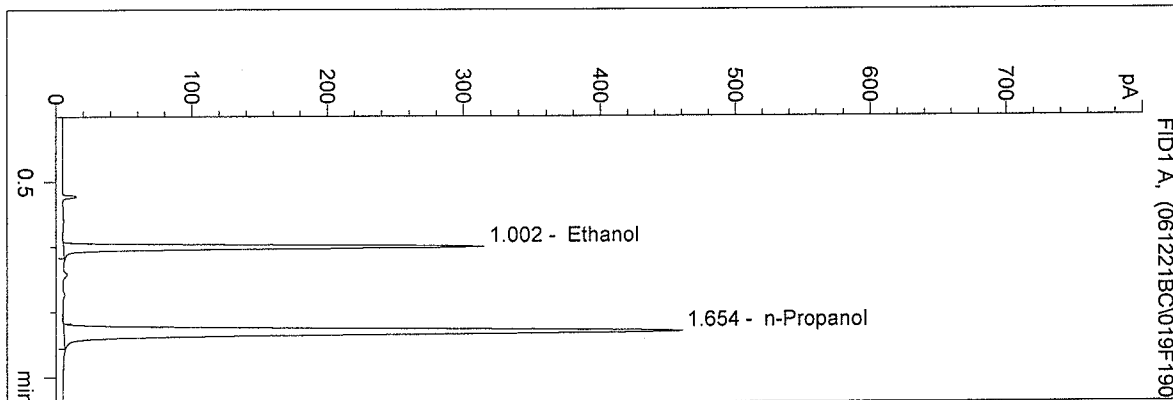


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 12/21/2006 8:37:44 AM
 Instrument 4
 DB-ALC1

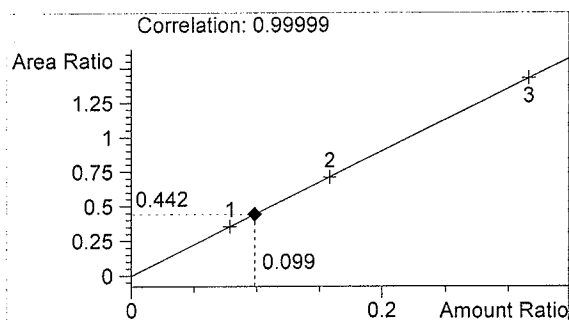
0.10 control bc
 bcapron

vial # 19

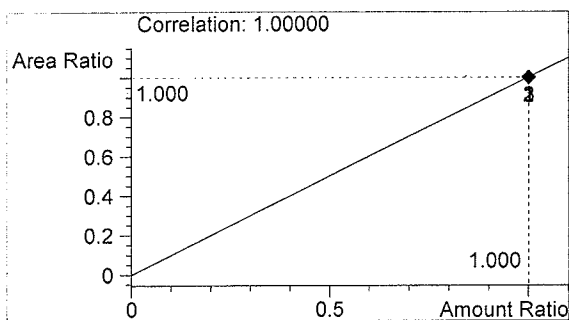


#	Compound	Area	RT
1	Ethanol	633	1.002
2	n-Propanol	1432	1.654

Totals:



Ethanol 0.099 g/100ml

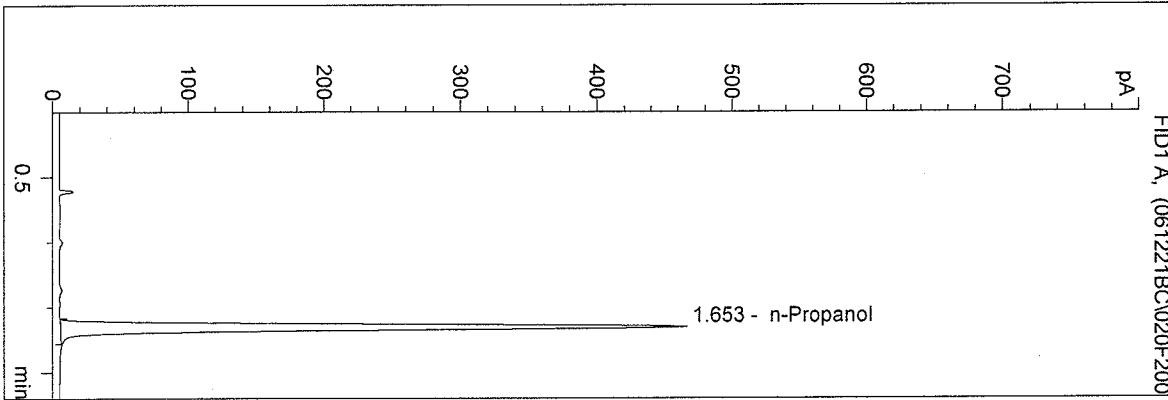


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 12/21/2006 8:41:00 AM
 Instrument 4
 DB-ALC1

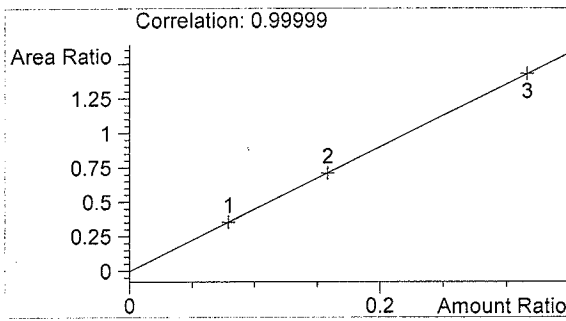
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 bcapron

vial # 20

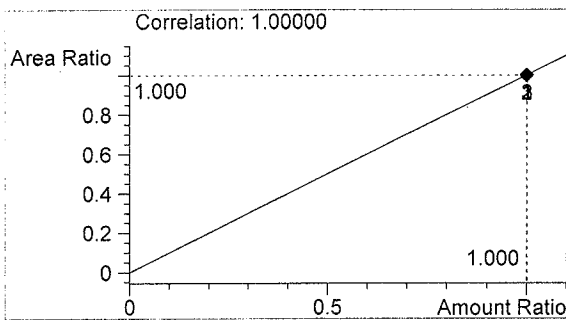


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1452	1.653

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml