

**WASHINGTON STATE TOXICOLOGY LABORATORY  
SIMULATOR SOLUTION DATA ENTRY REVIEW**



Reviewer/s: KEN DENTON ROD GULLBERG Date: 11/7/2008

Location: SEATTLE TOX LAB Solution Batch Number: 08049

	YES	NO	N/A
Preparation date precedes all analysis dates:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Declarations signed and properly dated:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data entry corresponds to all chromatograms:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All signatures present on Analysis sheet:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Avg. solution concentration correct?:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Standard deviation correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Range correct if applicable:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equivalent vapor concentration correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blank Chromatograms included in file:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External Control information correct: (lot # present and future date)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complies with accuracy and precision requirements established by the State Toxicologist:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CV% Correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reviewed for outliers per policy and none found?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			

Reviewer Signature:  Date: 11-7-2008

Reviewer Signature:  Date: 11/7/2008


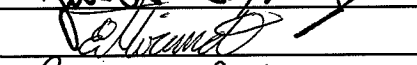
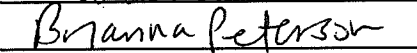
**WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION**

**QAP Solution Calibration Certificate**

Batch Number: 08049                      Target Vapor Concentration: 0.15 g/210L  
 Prepared By: Justin L. Knoy              Date Prepared: 10/16/2008

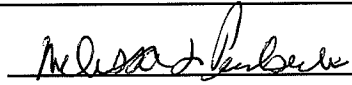
Concentration of ethanol (g/100mL) measured by gas chromatography:

	JLK	EM	BP
1	0.184	0.182	0.184
2	0.183	0.182	0.185
3	0.184	0.183	0.183
4	0.184	0.182	0.184
5	0.183	0.182	0.185
C	0.099	0.098	0.098

Analyst	Name	Signature	Date Tested
JLK	Justin L. Knoy		10/17/2008
EM	Estuardo J. Miranda		10/24/2008
BP	Brianna Peterson		10/17/2008

External Control(s):		
Lot Num	Exp Date	Target Conc
A056938	04 / 2012	0.10 g/100mL

Statistics:				
Avg. Solution Conc.	0.1833	g/100mL	Precision CV (%)	0.57
Std. Deviation (SD)	0.00105		Number of Tests (N)	15
Range (3.8xSD)	0.1794	to 0.1873	Equivalent Vapor Conc.	<b>0.1491</b> g/210L

Final Review by:  Review/Issue Date: 11/7/08

**SOLUTION CERTIFICATE REVIEW**

Please check that the data on your chromatograms is the data entered into the Calibration Certificate, that the date to the right of your name is the date that you tested the solution, and then sign the certificate.

Please initial and date below to affirm that you have:

- 1) Checked your data
- 2) Checked the date to the right of your name on the certificate
- 3) Signed the certificate

	Initials	Date
Amanda Black		
Asa Louis		
Brian Capron		
Brianna Peterson	BP	11/7/08
Brianne Akins		
Brittany Ball		
Christie Mitchell		
Christopher Johnston		
Estuardo Miranda	EM	11-07-08
Gwynyth Scherperel		
Justin Knoy	JK	11/6/08
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

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 0.15 QAP SOLUTION  
CERTIFICATION FOR LOT 08049**

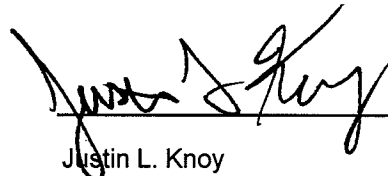
I, Justin L. Knoy, do certify under penalty of perjury that:

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 gap solution, Lot Number 08049, was prepared in the Washington State Toxicology Laboratory on 10/16/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 10/16/2009.

Seattle, WA

 11/6/08

Justin L. Knoy

Date

Forensic Toxicologist

JLK/ik



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 0.15 QAP SOLUTION  
CERTIFICATION FOR LOT 08049**

I, Estuardo J. Miranda, 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 of Science in Chemistry, Master of Science in Zoology and ten years experience in Forensic Toxicology.

The qap solution, Lot Number 08049, was prepared in the Washington State Toxicology Laboratory on 10/16/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 10/16/2009.

Seattle, WA

 11-07-08

Estuardo J. Miranda  
Forensic Toxicologist

Date

EM/ik

CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**DATAMASTER 0.15 QAP SOLUTION  
CERTIFICATION FOR LOT 08049**

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 three years of experience in forensic toxicology.

The qap solution, Lot Number 08049, was prepared in the Washington State Toxicology Laboratory on 10/16/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 10/16/2009.

Seattle, WA

Brianna Peterson 11/7/08

Brianna Peterson

Date

Forensic Toxicologist

BP/ik



Sequence Parameters:

Operator: Justin Knoy  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\2\DATA\  
 Data Subdirectory: 081017JK  
 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	BLDALCO3	1	Sample		
2	Vial 2	0.079 CAL	BLDALCO3	1	Calib		
3	Vial 3	0.158 CAL	BLDALCO3	1	Calib		
4	Vial 4	0.316 CAL	BLDALCO3	1	Calib		
5	Vial 5	NEG CTRL JK	BLDALCO3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL JK	BLDALCO3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL JK	BLDALCO3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL JK	BLDALCO3	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	BLDALCO3	1	Ctrl Samp		
10	Vial 10	QA08046-1	BLDALCO3	1	Sample		
11	Vial 11	QA08046-2	BLDALCO3	1	Sample		
12	Vial 12	QA08046-3	BLDALCO3	1	Sample		
13	Vial 13	QA08046-4	BLDALCO3	1	Sample		
14	Vial 14	QA08046-5	BLDALCO3	1	Sample		
15	Vial 15	0.10 CTRL JK	BLDALCO3	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	BLDALCO3	1	Ctrl Samp		
17	Vial 17	QA08047-1	BLDALCO3	1	Sample		
18	Vial 18	QA08047-2	BLDALCO3	1	Sample		
19	Vial 19	QA08047-3	BLDALCO3	1	Sample		
20	Vial 20	QA08047-4	BLDALCO3	1	Sample		
21	Vial 21	QA08047-5	BLDALCO3	1	Sample		
22	Vial 22	0.10 CTRL JK	BLDALCO3	1	Ctrl Samp		
23	Vial 23	NEG CTRL JK	BLDALCO3	1	Ctrl Samp		
24	Vial 24	QA08048-1	BLDALCO3	1	Sample		
25	Vial 25	QA08048-2	BLDALCO3	1	Sample		
26	Vial 26	QA08048-3	BLDALCO3	1	Sample		
27	Vial 27	QA08048-4	BLDALCO3	1	Sample		
28	Vial 28	QA08048-5	BLDALCO3	1	Sample		
29	Vial 29	0.10 CTRL JK	BLDALCO3	1	Ctrl Samp		
30	Vial 30	NEG CTRL JK	BLDALCO3	1	Ctrl Samp		
31	Vial 31	QA08049-1	BLDALCO3	1	Sample		
32	Vial 32	QA08049-2	BLDALCO3	1	Sample		
33	Vial 33	QA08049-3	BLDALCO3	1	Sample		
34	Vial 34	QA08049-4	BLDALCO3	1	Sample		
35	Vial 35	QA08049-5	BLDALCO3	1	Sample		
36	Vial 36	0.10 CTRL JK	BLDALCO3	1	Ctrl Samp		
37	Vial 37	NEG CTRL JK	BLDALCO3	1	Ctrl Samp		

A056758 Exp 3/2012  
 A056938 Exp 4/2012  
 A055525 Exp 2/2012

Sequence run under method  
 BLDALCO3. This method is  
 identical to the SIMALC  
 method. All calibrators,  
 controls & results are  
 accepted.

FE 11-708

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL	BLDALCO3	1	Replace	Replace	
3	Vial 3	0.158 CAL	BLDALCO3	2	Replace	Average	
4	Vial 4	0.316 CAL	BLDALCO3	3	Replace	Average	

Sequence Table (Back Injector):

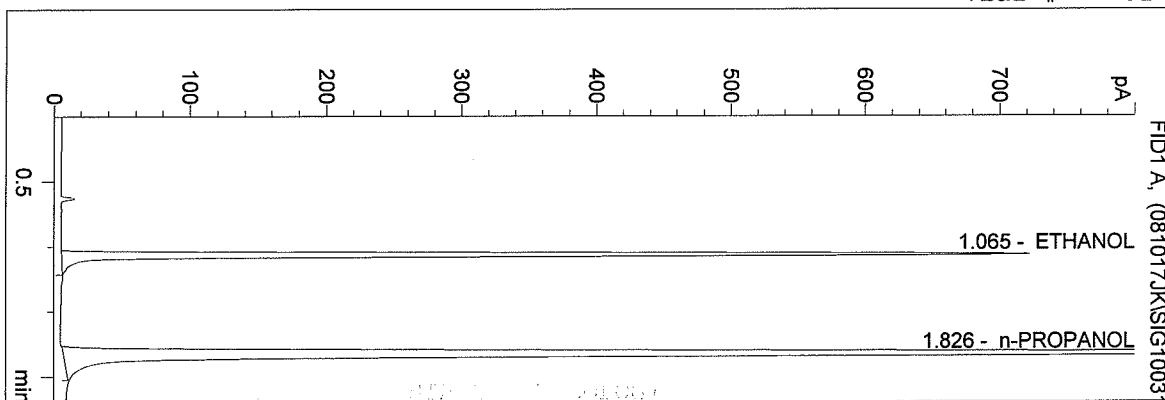
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 Instrument 3  
 db-alc2

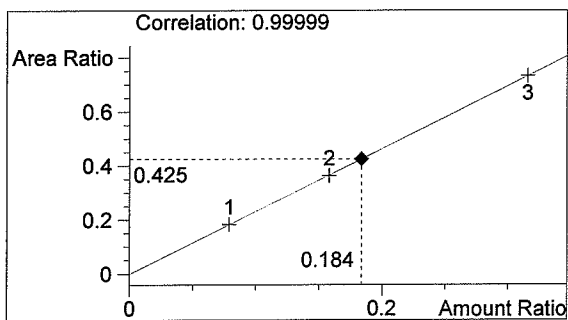
QA08049-1  
 Justin Knoy

vial # 31

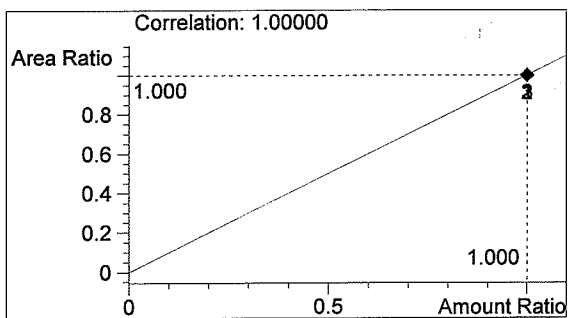


#	Compound	Area	RT
1	ETHANOL	1448	1.065
2	n-PROPANOL	3410	1.826

Totals:



0.184 g/100ml



1.000 g/100ml

*OK*

C:\HPCHEM\2\METHODS\BLDALCO3.M

10/17/2008 12:08:25 PM

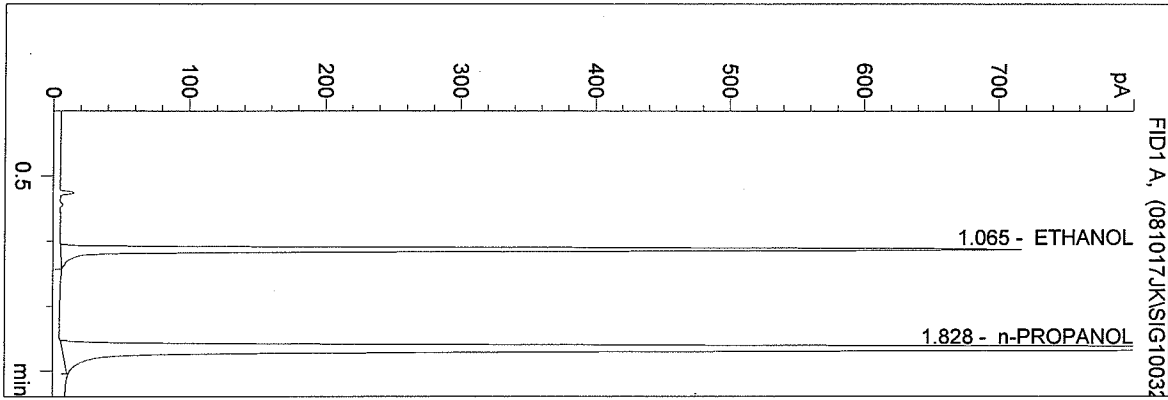
Instrument 3

db-alc2

QA08049-2

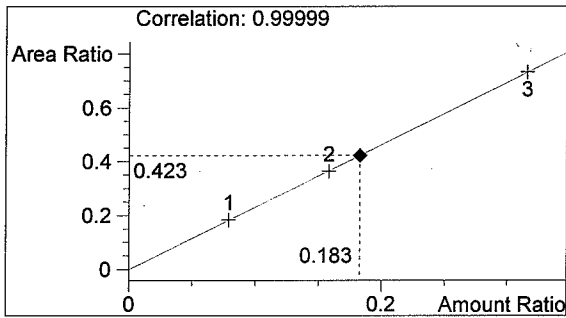
Justin Knoy

vial # 32



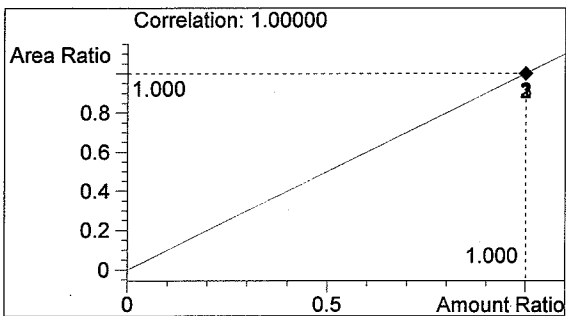
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1	ETHANOL	1438	1.065
2	n-PROPANOL	3401	1.828

Totals:



ETHANOL

0.183 g/100ml



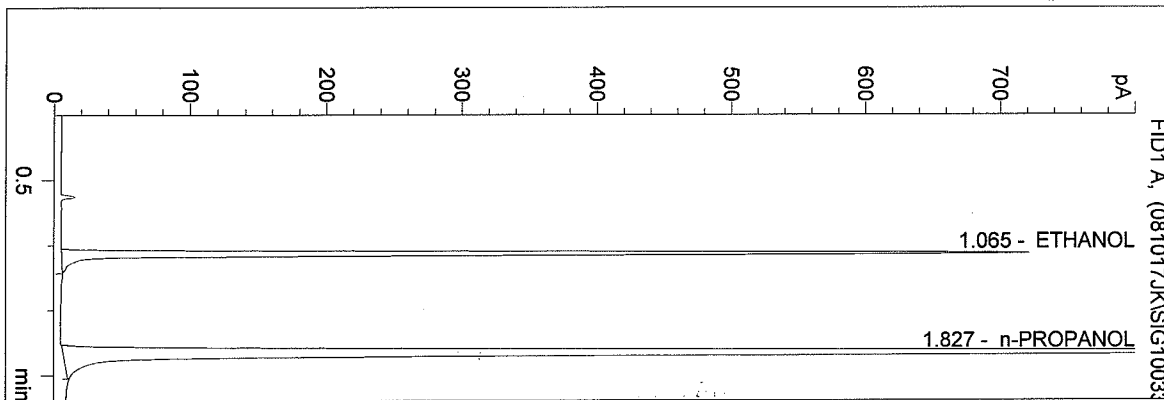
n-PROPANOL

1.000 g/100ml

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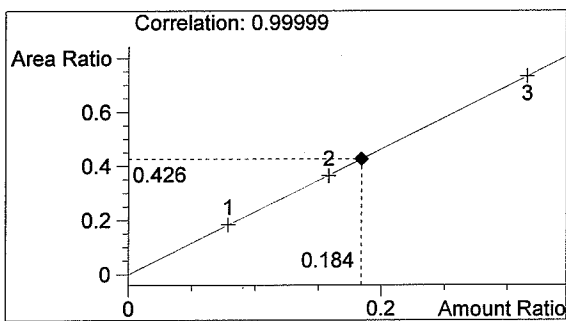
QA08049-3  
 Justin Knoy

vial # 33



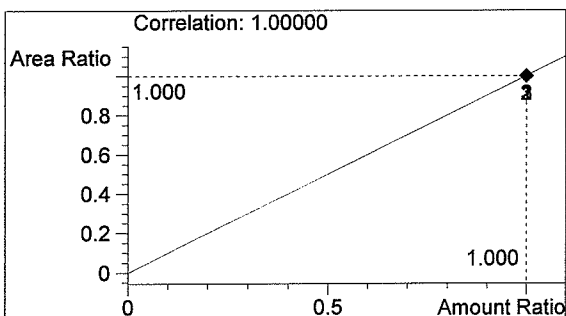
#	Compound	Area	RT
1	ETHANOL	1448	1.065
2	n-PROPANOL	3401	1.827

Totals:



ETHANOL

0.184 g/100ml



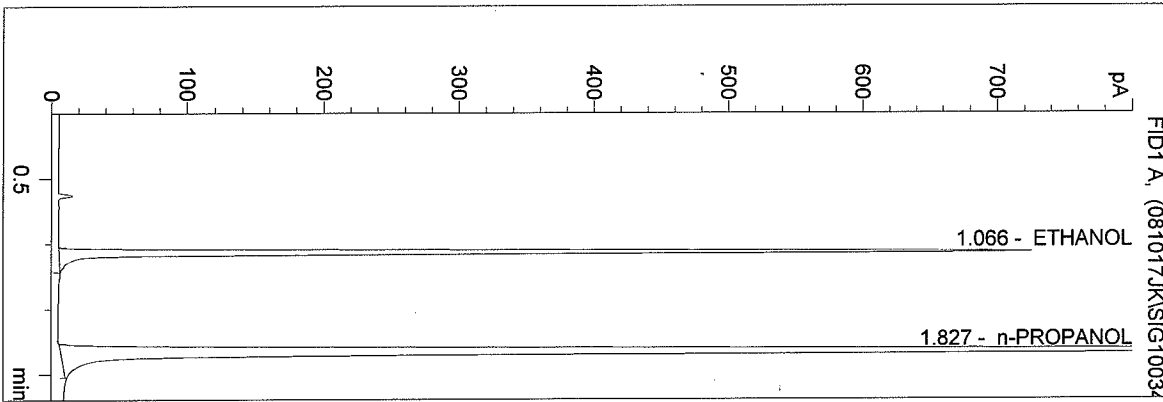
n-PROPANOL

1.000 g/100ml

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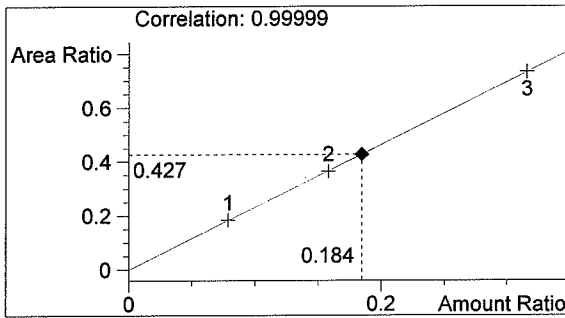
QA08049-4  
 Justin Knoy

vial # 34



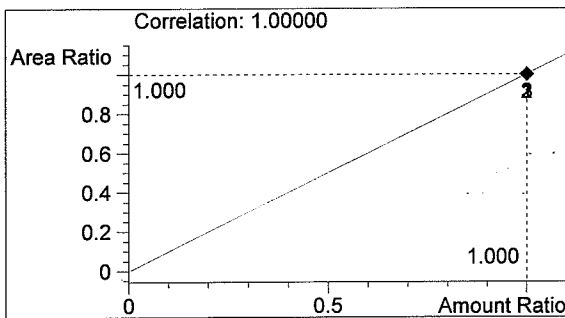
#	Compound	Area	RT
1	ETHANOL	1453	1.066
2	n-PROPANOL	3406	1.827

Totals:



ETHANOL

0.184 g/100ml



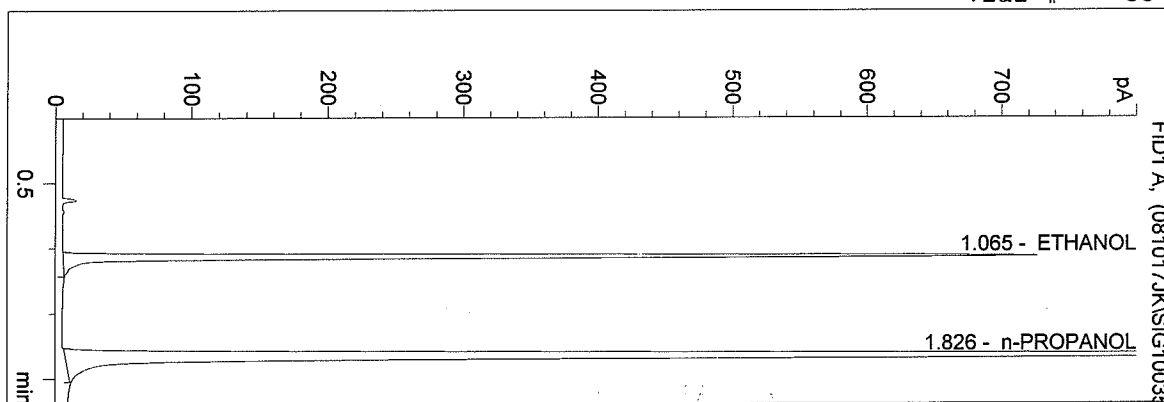
n-PROPANOL

1.000 g/100ml

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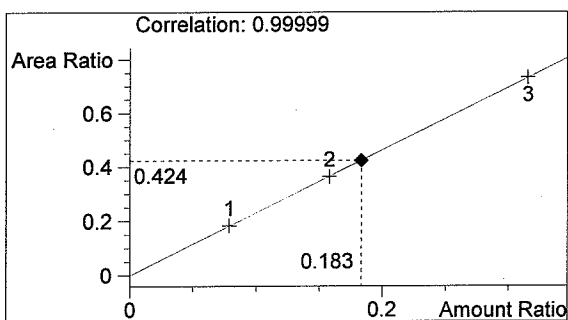
QA08049-5  
 Justin Knoy

vial # 35

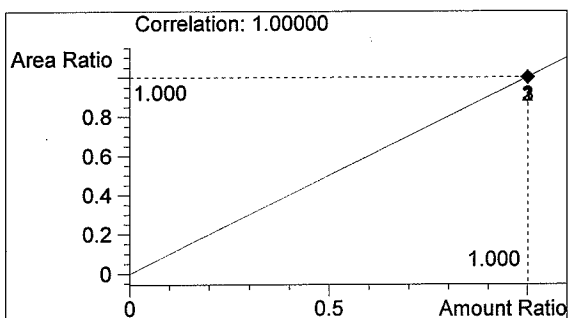


#	Compound	Area	RT
1	ETHANOL	1459	1.065
2	n-PROPANOL	3442	1.826

Totals:



0.183 g/100ml

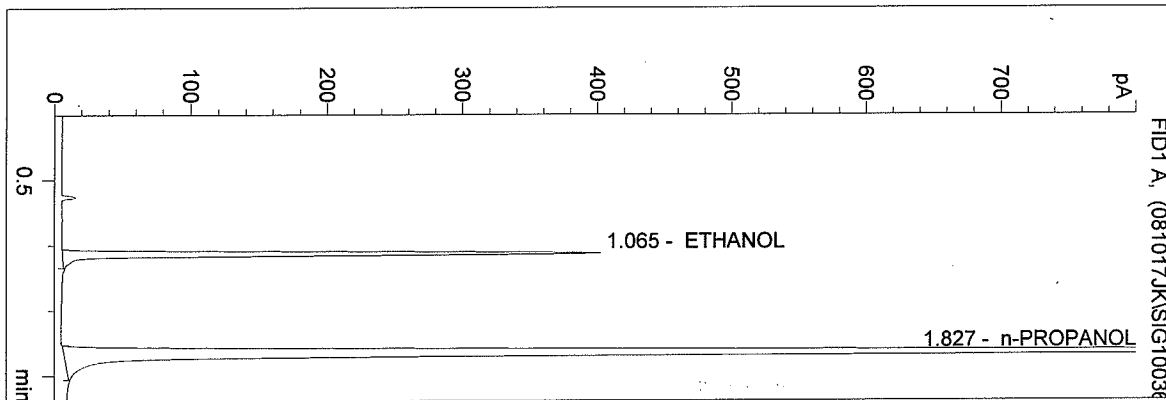


1.000 g/100ml

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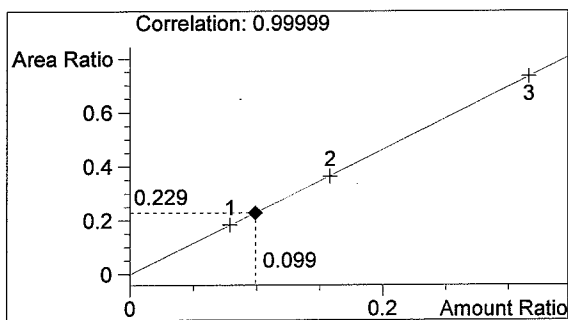
0.10 CTRL JK  
 Justin Knoy

vial # 36



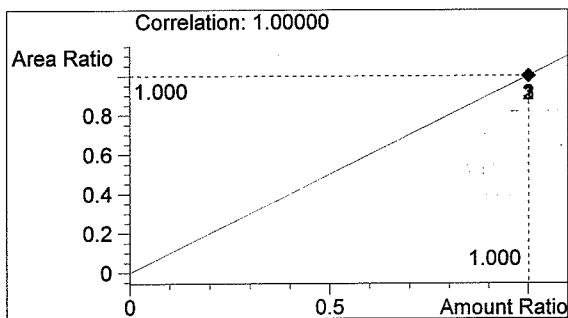
#	Compound	Area	RT
1	ETHANOL	799	1.065
2	n-PROPANOL	3492	1.827

Totals:



ETHANOL

0.099 g/100ml



n-PROPANOL

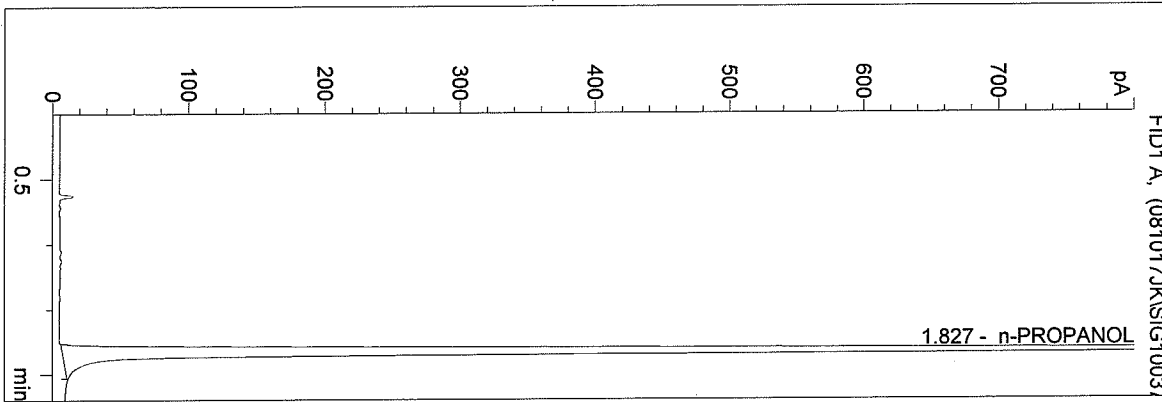
1.000 g/100ml

*AK*

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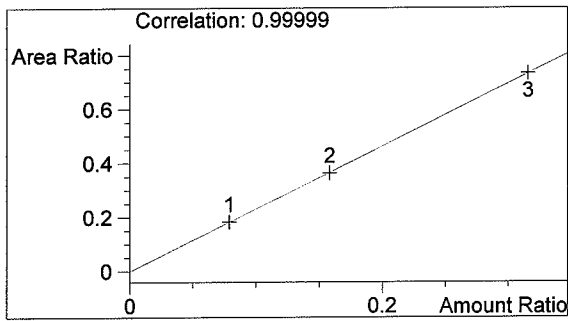
NEG CTRL JK  
 Justin Knoy

vial # 37



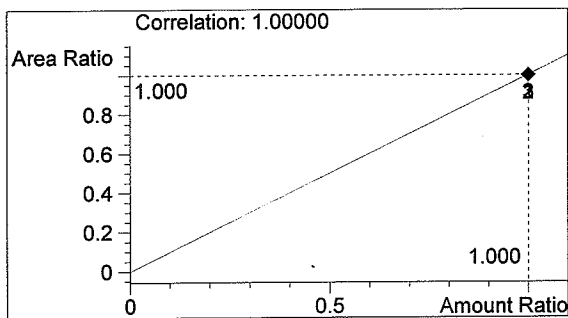
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1	ETHANOL	0	0.000
2	n-PROPANOL	3528	1.827

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

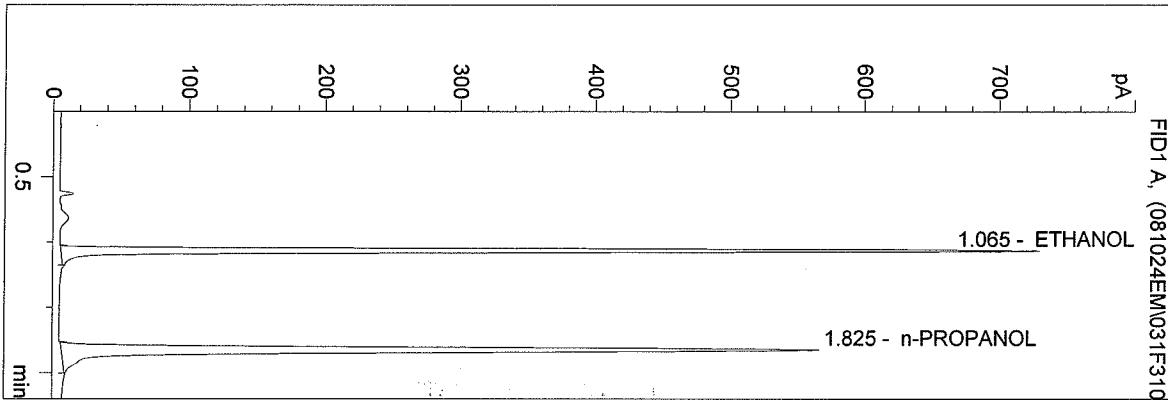
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Q.A. 08049-1  
 Estuardo J. Miranda

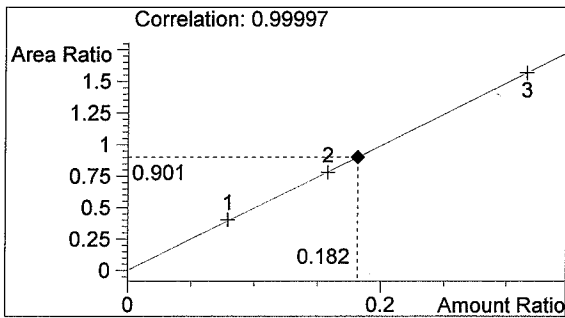
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vial # 31



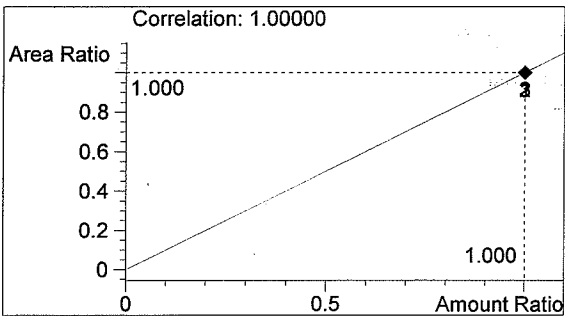
#	Compound	Area	RT
1	ETHANOL	1435	1.065
2	n-PROPANOL	1592	1.825

Totals:



ETHANOL

0.182 g/100ml



n-PROPANOL

1.000 g/100ml

Calibration data with Q.A. 08046  
*EM*

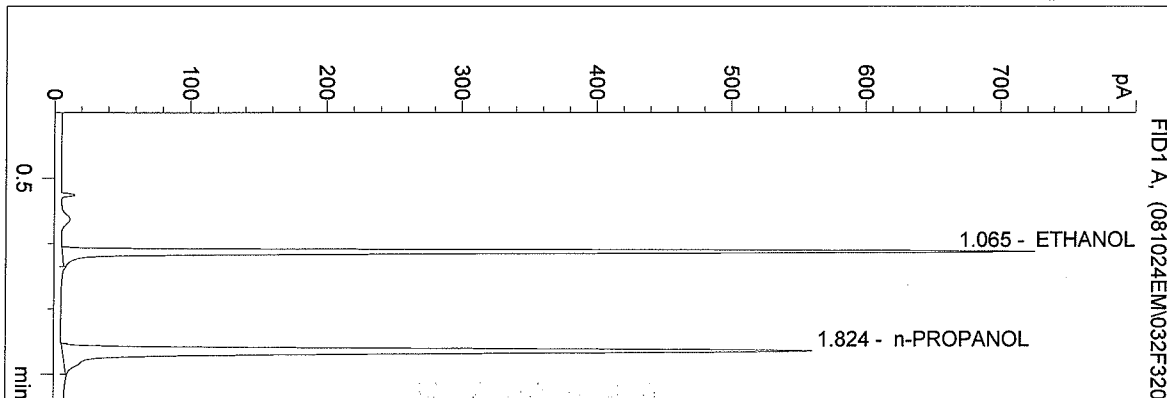


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Q.A. 08049-2  
 Estuardo J. Miranda

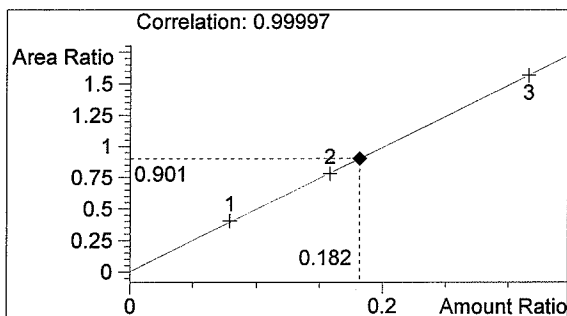
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vial # 32



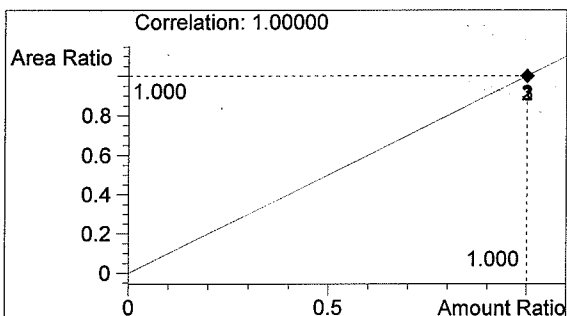
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1	ETHANOL	1422	1.065
2	n-PROPANOL	1578	1.824

Totals:



ETHANOL

0.182 g/100ml



n-PROPANOL

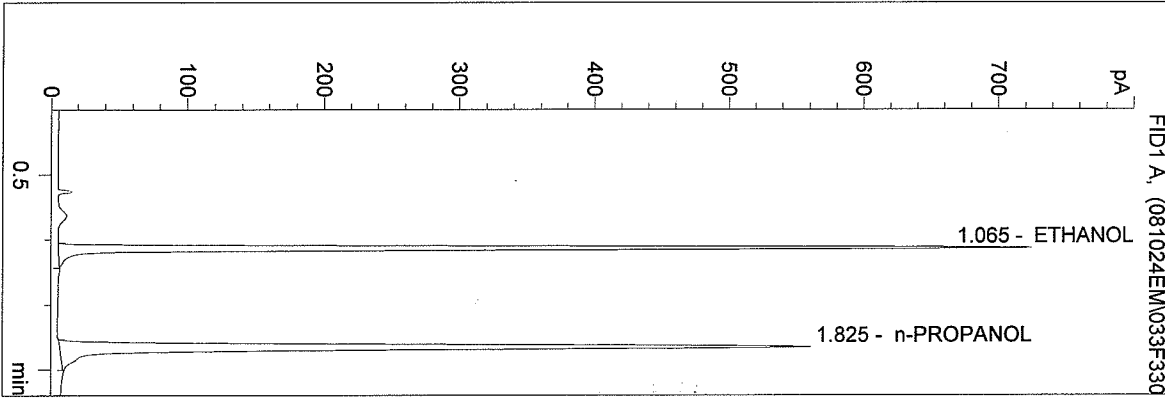
1.000 g/100ml

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Q.A. 08049-3  
 Estuardo J. Miranda

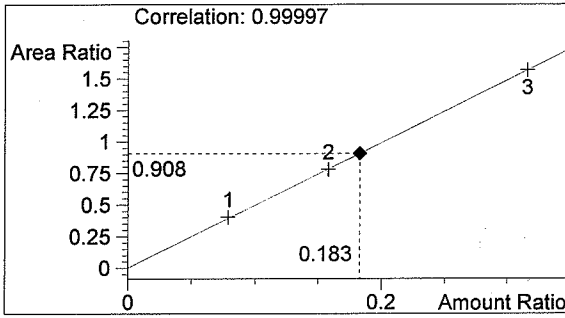
*EM*

vial # 33



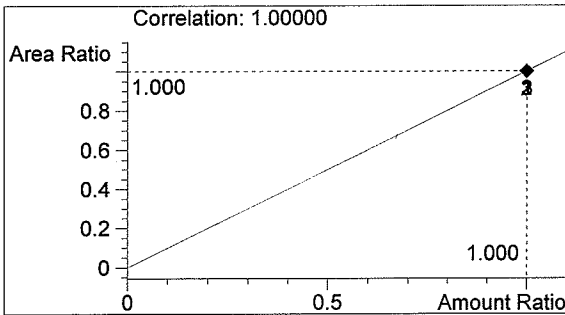
#	Compound	Area	RT
1	ETHANOL	1432	1.065
2	n-PROPANOL	1577	1.825

Totals:



ETHANOL

0.183 g/100ml



n-PROPANOL

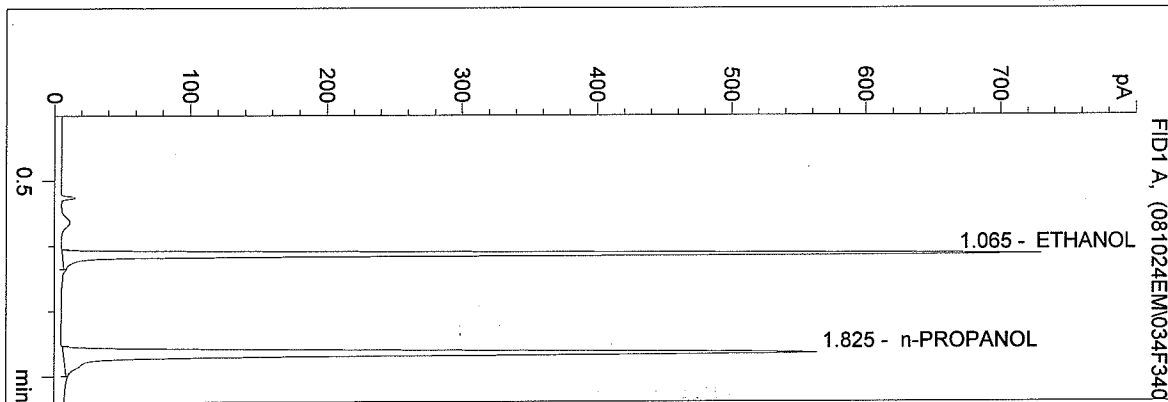
1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M  
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 Instrument 3  
 db-alc2

Q.A. 08049-4  
 Estuardo J. Miranda

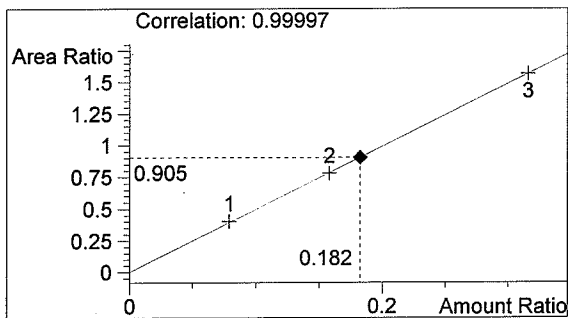
*EM*

vial # 34



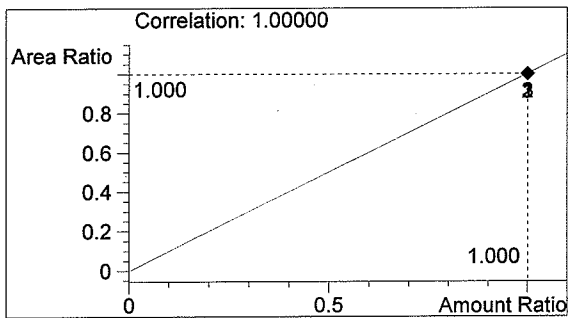
#	Compound	Area	RT
1	ETHANOL	1431	1.065
2	n-PROPANOL	1581	1.825

Totals:



ETHANOL

0.182 g/100ml



n-PROPANOL

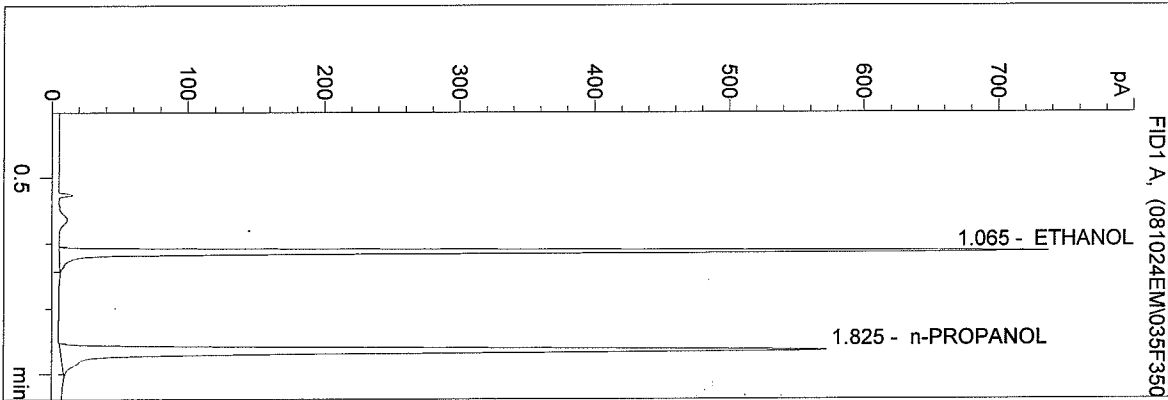
1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M  
 10/24/2008 2:27:57 PM  
 Instrument 3  
 db-alc2

Q.A. 08049-5  
 Estuardo J. Miranda

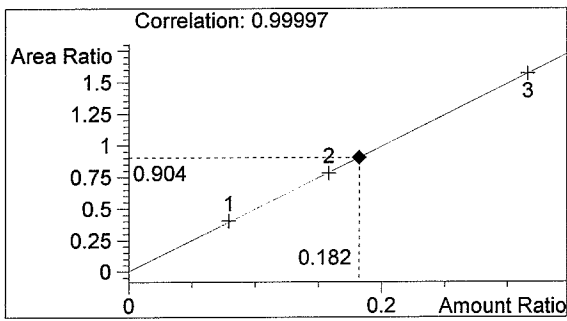
*EM*

vial # 35



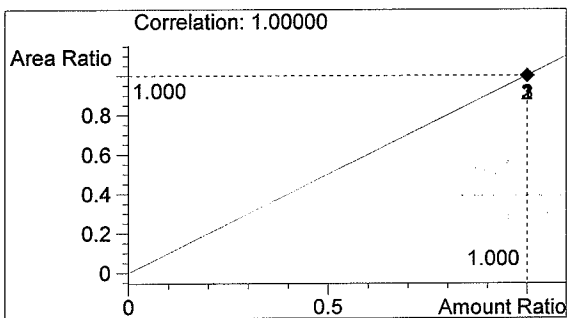
#	Compound	Area	RT
1	ETHANOL	1456	1.065
2	n-PROPANOL	1610	1.825

Totals:



ETHANOL

0.182 g/100ml



n-PROPANOL

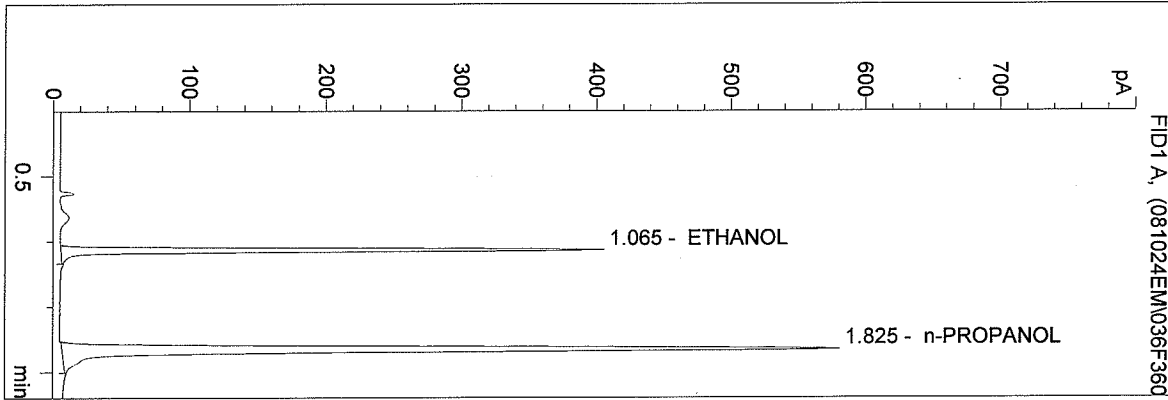
1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M  
 10/24/2008 2:31:05 PM  
 Instrument 3  
 db-alc2

0.10 Control EM  
 Estuardo J. Miranda

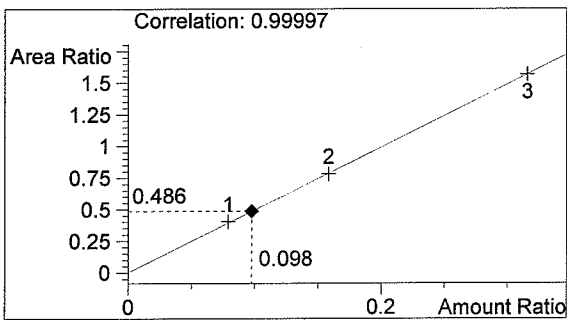
*EM*

vial # 36



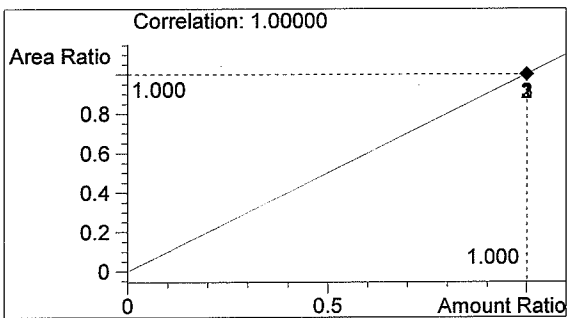
#	Compound	Area	RT
1	ETHANOL	794	1.065
2	n-PROPANOL	1634	1.825

Totals:



ETHANOL

0.098 g/100ml



n-PROPANOL

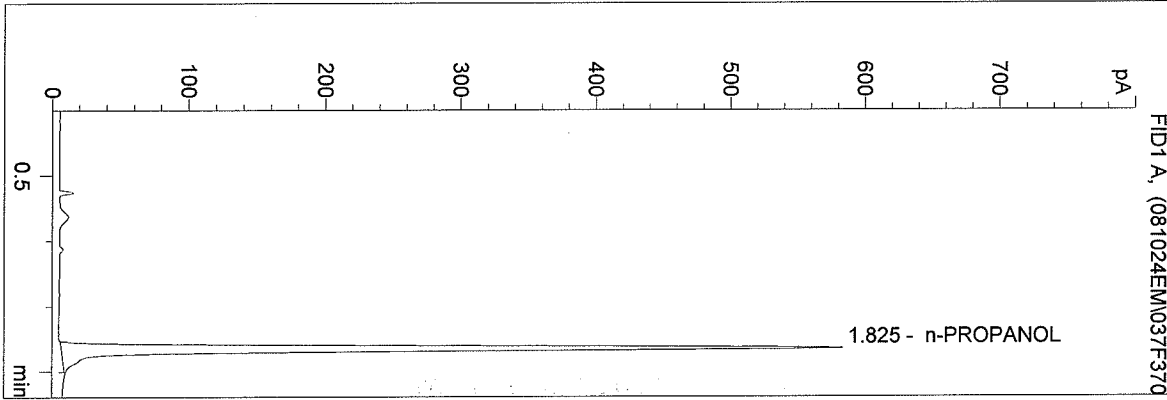
1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M  
 10/24/2008 2:34:12 PM  
 Instrument 3  
 db-alc2

Neg Control EM  
 Estuardo J. Miranda

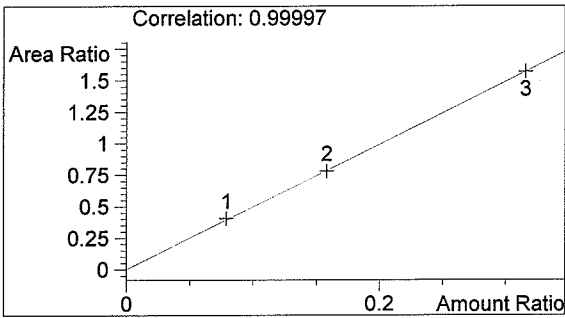
*EM*

vial # 37



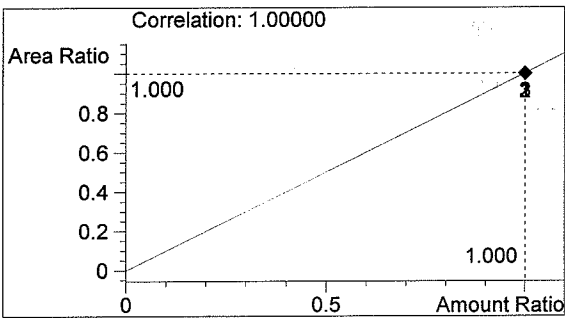
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1643	1.825

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M

10/17/2008 4:16:04 PM

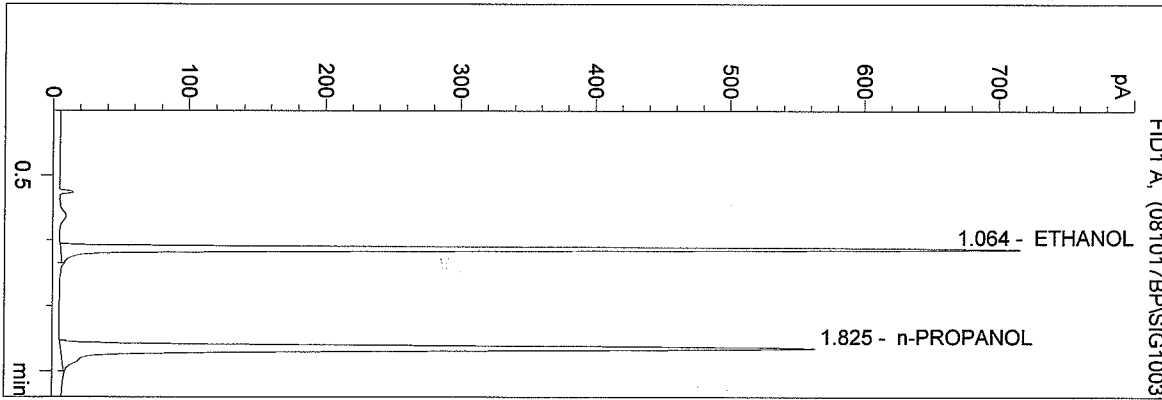
Instrument 3

db-alc2

QA08049-1

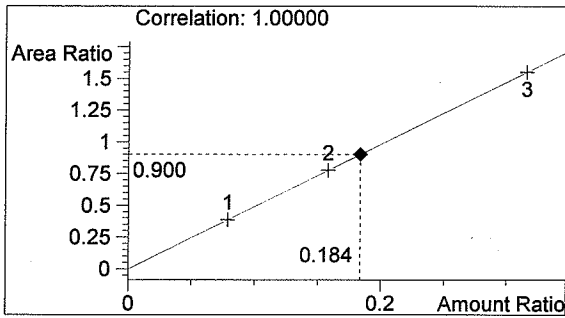
Brianna Peterson

vial # 31



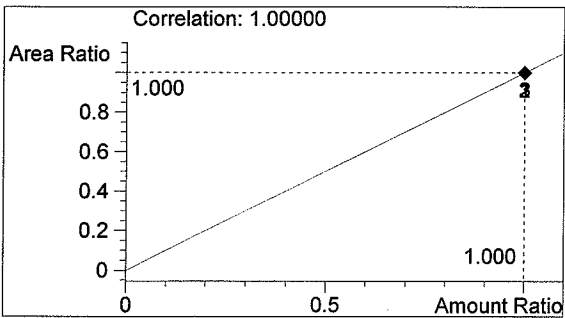
#	Compound	Area	RT
1	ETHANOL	1437	1.064
2	n-PROPANOL	1597	1.825

Totals:



ETHANOL

0.184 g/100ml



n-PROPANOL

1.000 g/100ml

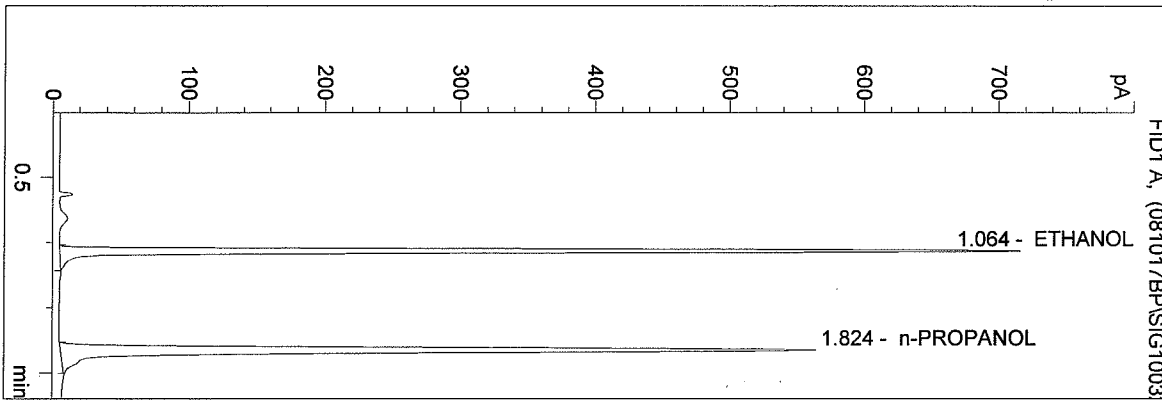
BP

CALIBRATION DATA WITH QA08046

C:\HPCHEM\2\METHODS\SIMALC.M  
 10/17/2008 4:19:11 PM  
 Instrument 3  
 db-alc2

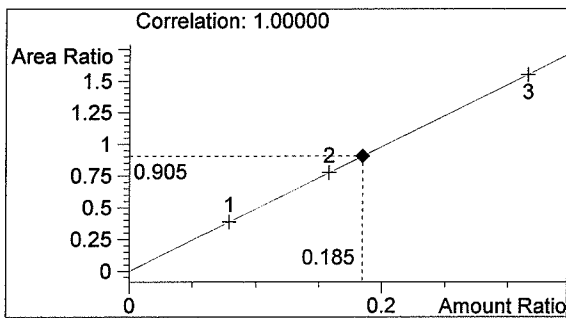
QA08049-2  
 Brianna Peterson

vial # 32



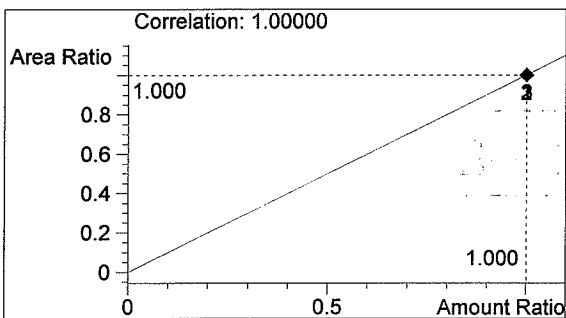
#	Compound	Area	RT
1	ETHANOL	1444	1.064
2	n-PROPANOL	1596	1.824

Totals:



ETHANOL

0.185 g/100ml



n-PROPANOL

1.000 g/100ml

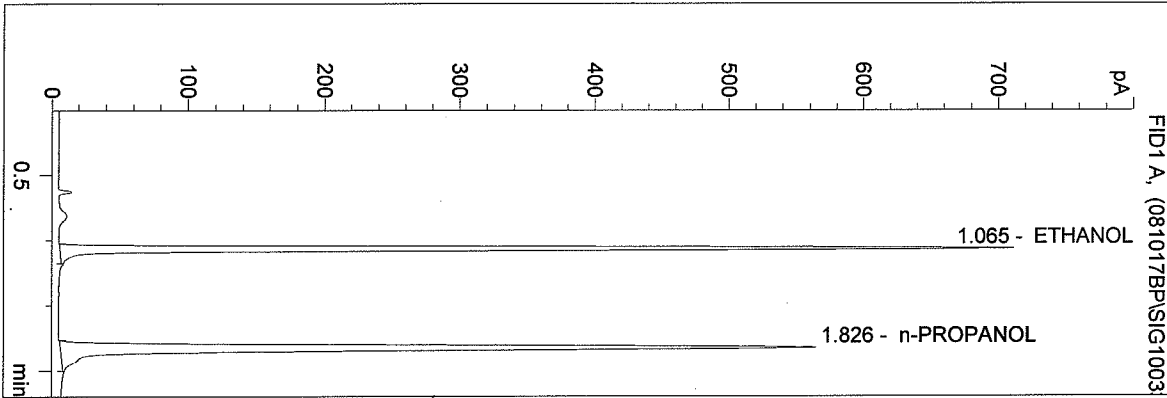
*Handwritten signature*



C:\HPCHEM\2\METHODS\SIMALC.M  
 10/17/2008 4:22:18 PM  
 Instrument 3  
 db-alc2

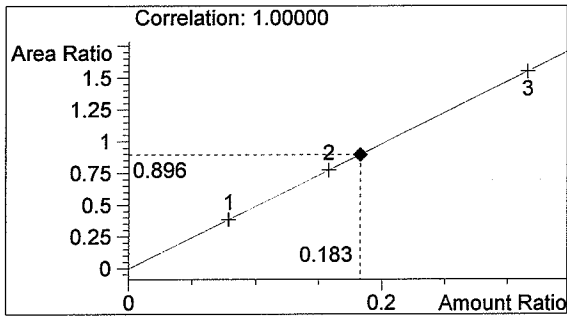
QA08049-3  
 Brianna Peterson

vial # 33

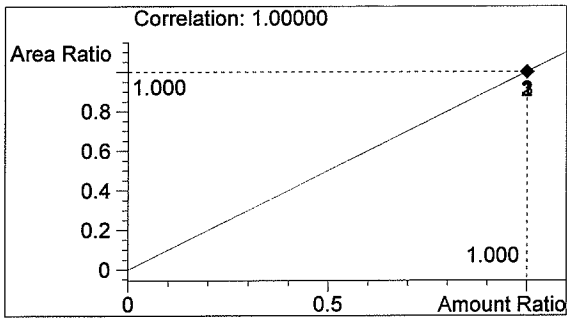


#	Compound	Area	RT
1	ETHANOL	1427	1.065
2	n-PROPANOL	1593	1.826

Totals:



0.183 g/100ml



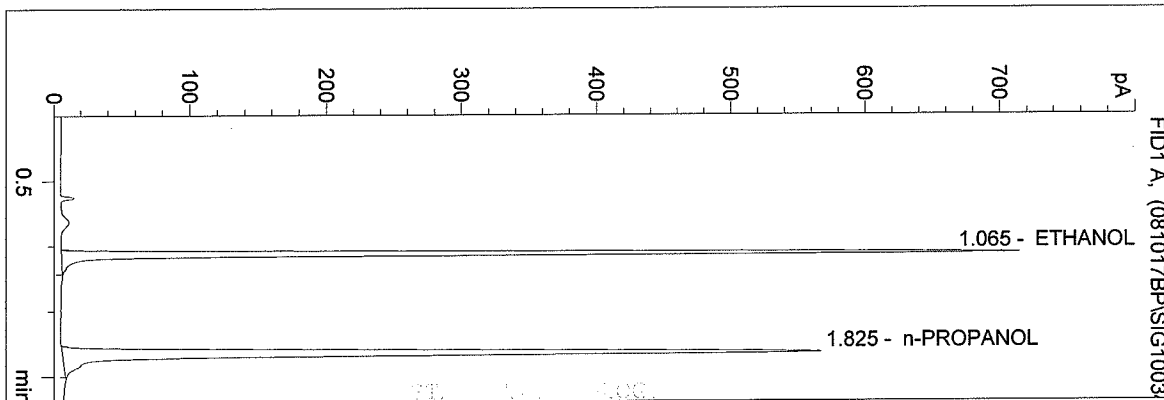
1.000 g/100ml

bl

C:\HPCHEM\2\METHODS\SIMALC.M  
 10/17/2008 4:25:25 PM  
 Instrument 3  
 db-alc2

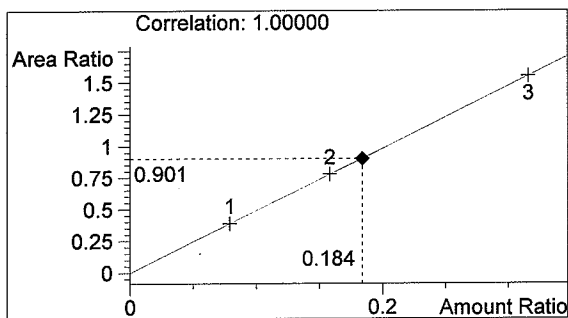
QA08049-4  
 Brianna Peterson

vial # 34



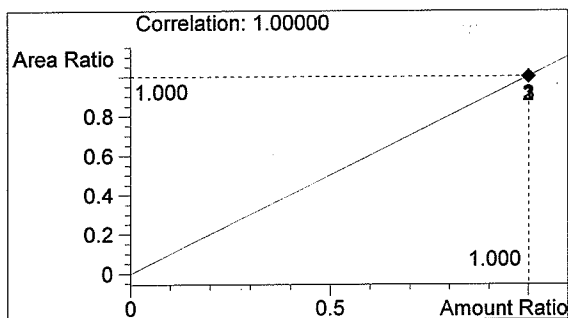
#	Compound	Area	RT
1	ETHANOL	1448	1.065
2	n-PROPANOL	1606	1.825

Totals:



ETHANOL

0.184 g/100ml



n-PROPANOL

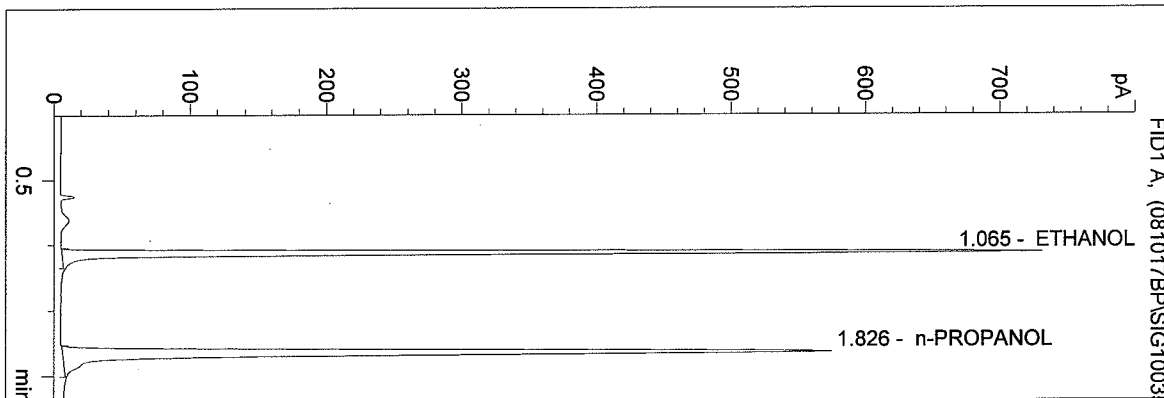
1.000 g/100ml

Bl

C:\HPCHEM\2\METHODS\SIMALC.M  
 10/17/2008 4:28:33 PM  
 Instrument 3  
 db-alc2

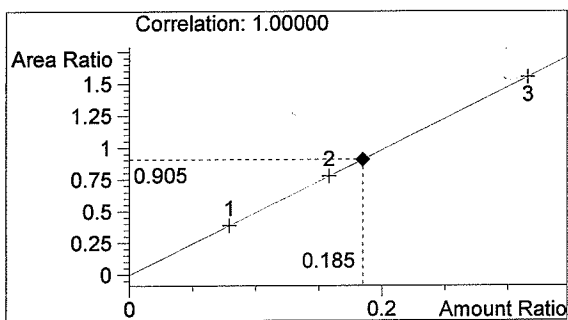
QA08049-5  
 Brianna Peterson

vial # 35



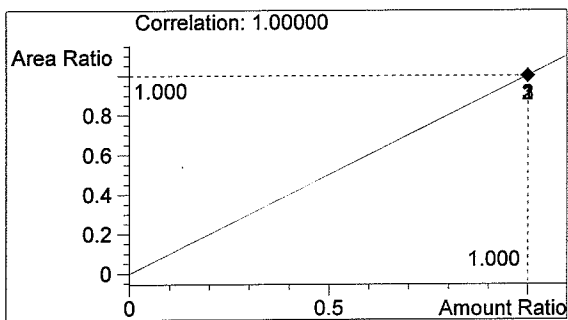
#	Compound	Area	RT
1	ETHANOL	1468	1.065
2	n-PROPANOL	1622	1.826

Totals:



ETHANOL

0.185 g/100ml



n-PROPANOL

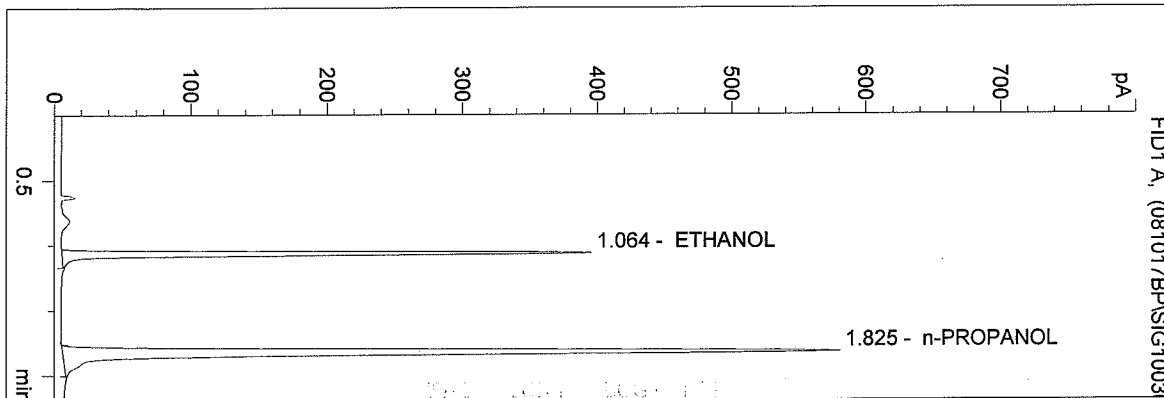
1.000 g/100ml

bl

C:\HPCHEM\2\METHODS\SIMALC.M  
 10/17/2008 4:31:40 PM  
 Instrument 3  
 db-alc2

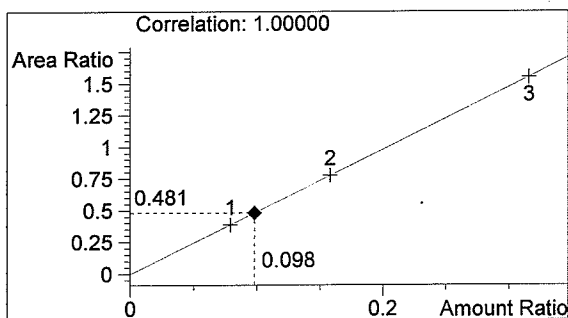
0.10 CTRL BP  
 Brianna Peterson

vial # 36

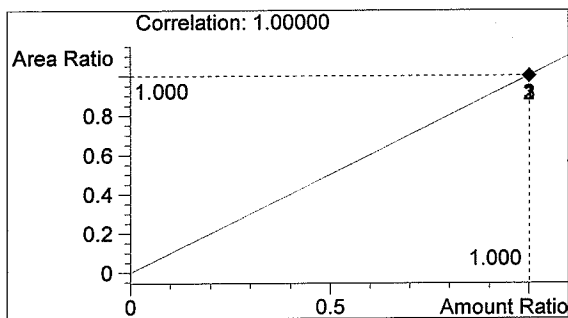


#	Compound	Area	RT
1	ETHANOL	789	1.064
2	n-PROPANOL	1643	1.825

Totals:



0.098 g/100ml



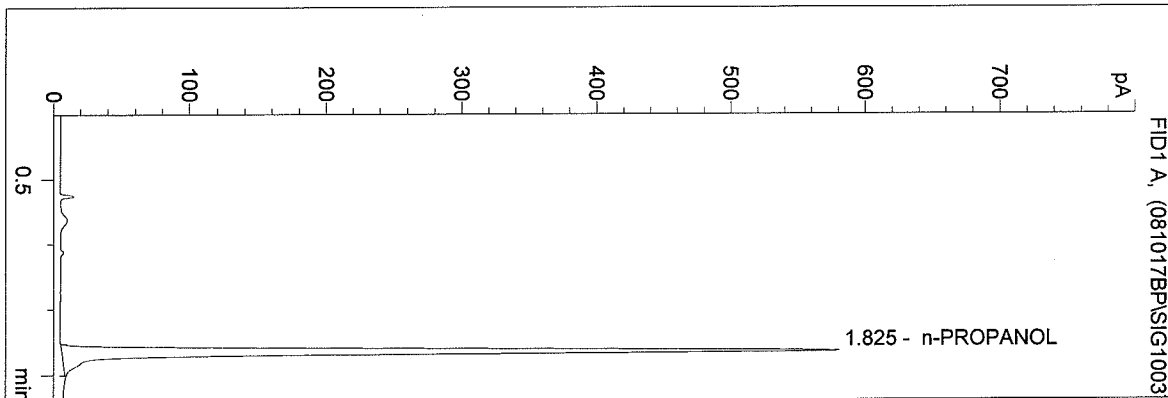
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\SIMALC.M  
 10/17/2008 4:34:47 PM  
 Instrument 3  
 db-alc2

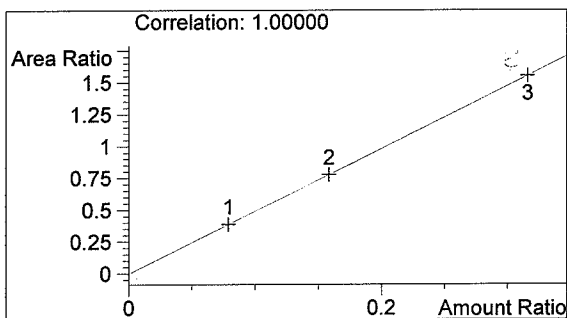
NEG CTRL BP  
 Brianna Peterson

vial # 37



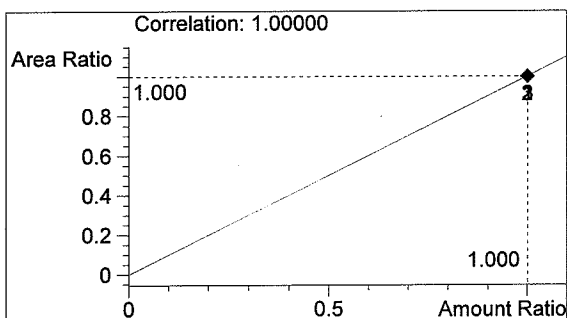
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1638	1.825

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

BP