

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



Reviewer/s: KEV DENTON / ROD GULLBERG Date: 11/7/2008
 Location: SEATTLE TOX LAB Solution Batch Number: 08048

	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? Comments:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reviewer Signature: Date: 11-7-2008
 Reviewer Signature: Date: 11/7/2008


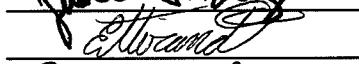
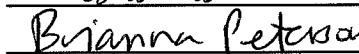
WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION

QAP Solution Calibration Certificate

Batch Number: 08048 Target Vapor Concentration: 0.10 g/210L
 Prepared By: Justin L. Knoy Date Prepared: 10/16/2008

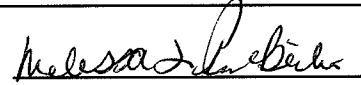
Concentration of ethanol (g/100mL) measured by gas chromatography:

	JLK	EM	BP
1	0.122	0.122	0.122
2	0.122	0.122	0.123
3	0.122	0.122	0.122
4	0.121	0.122	0.122
5	0.123	0.122	0.122
C	0.099	0.098	0.098

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

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

Statistics:				
Avg. Solution Conc.	0.1221	g/100mL	Precision CV (%)	0.37
Std. Deviation (SD)	0.00046		Number of Tests (N)	15
Range (3.8xSD)	0.1203	to 0.1238	Equivalent Vapor Conc.	0.0992 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 0.10 QAP SOLUTION
CERTIFICATION FOR LOT 08048**

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 qap solution, Lot Number 08048, 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

A handwritten signature in black ink, appearing to read "Justin L. Knoy", followed by the date "11/6/08". The signature is written over a horizontal line.

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 0.10 QAP SOLUTION
CERTIFICATION FOR LOT 08048**

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 08048, 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 0.10 QAP SOLUTION
CERTIFICATION FOR LOT 08048**

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 08048, 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		A056758 Exp 3/2012
7	Vial 7	0.10 CTRL JK	BLDALCO3	1	Ctrl Samp		A056938 Exp 4/2012
8	Vial 8	0.20 CTRL JK	BLDALCO3	1	Ctrl Samp		A055525 Exp 2/2012
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		

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

R 11-708

Calibration Part:

<u>Line</u>	<u>Location</u>	<u>SampleName</u>	<u>Method</u>	<u>CalLev</u>	<u>Update RF</u>	<u>Update RT</u>	<u>Interval</u>
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	

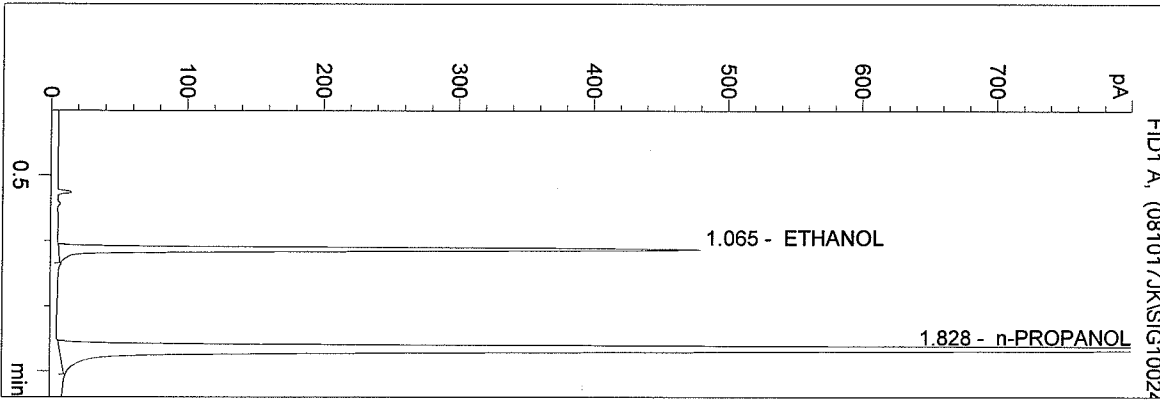
Sequence Table (Back Injector):

No entries - empty table!

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 Instrument 3
 db-alc2

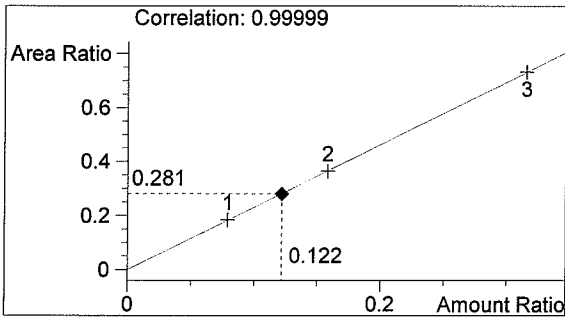
QA08048-1
 Justin Knoy

vial # 24



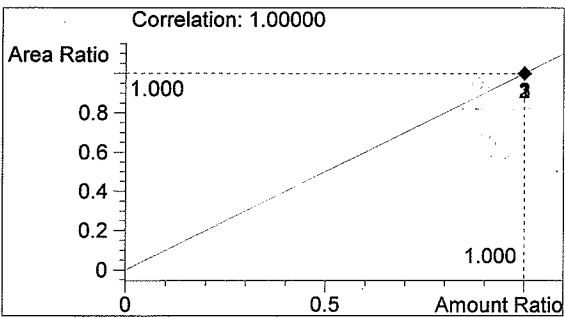
#	Compound	Area	RT
1	ETHANOL	948	1.065
2	n-PROPANOL	3372	1.828

Totals:



ETHANOL

0.122 g/100ml



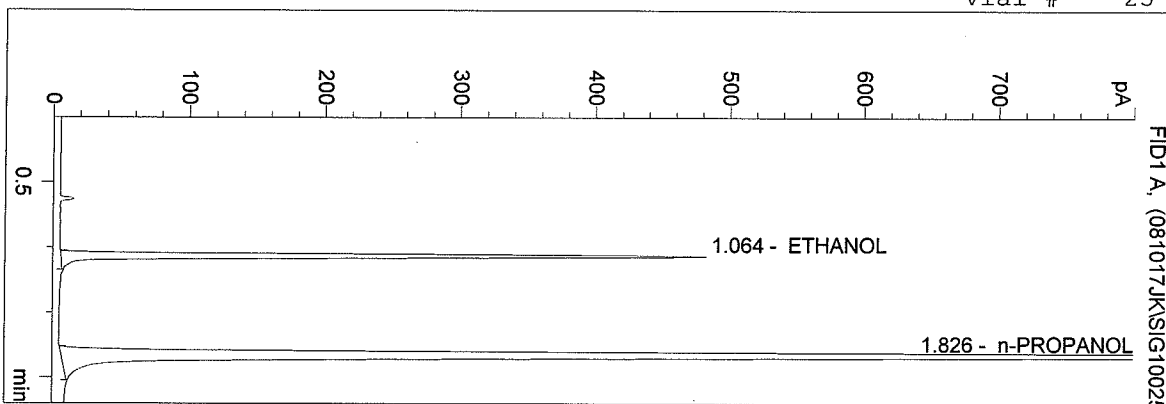
n-PROPANOL

1.000 g/100ml

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 Instrument 3
 db-alc2

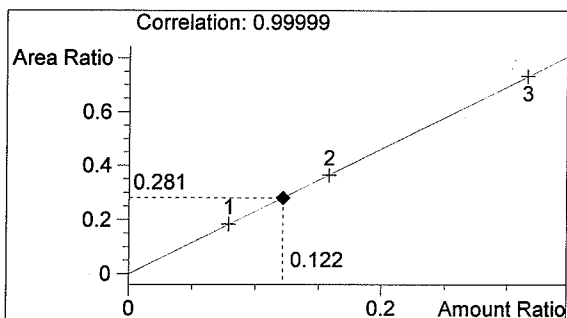
QA08048-2
 Justin Knoy

vial # 25



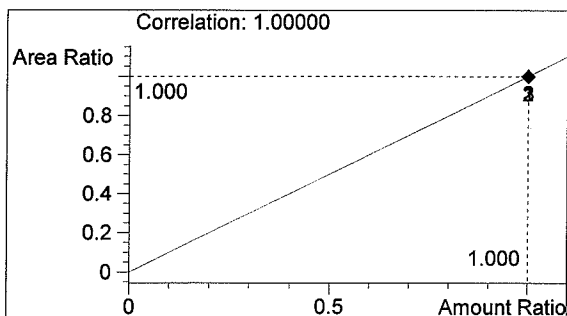
#	Compound	Area	RT
1	ETHANOL	952	1.064
2	n-PROPANOL	3391	1.826

Totals:



ETHANOL

0.122 g/100ml



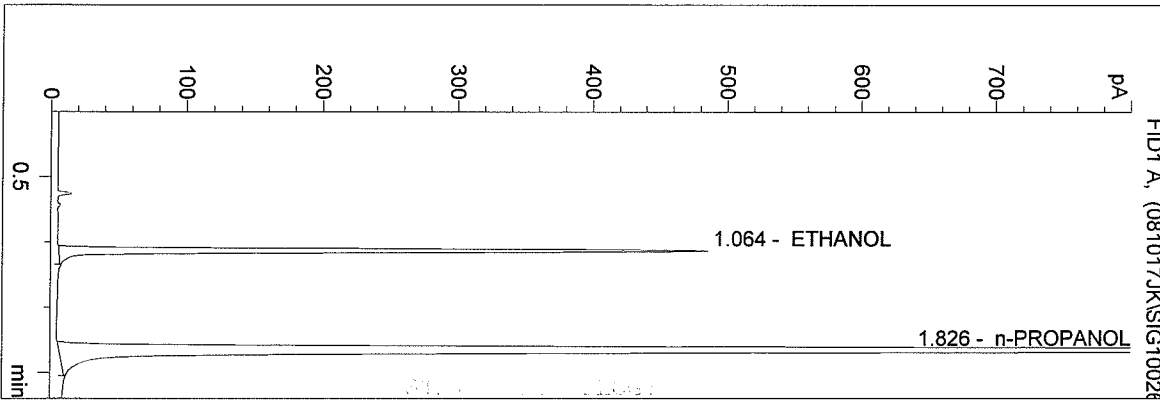
n-PROPANOL

1.000 g/100ml

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 db-alc2

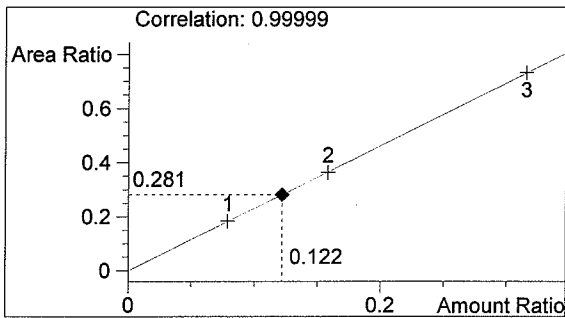
QA08048-3
 Justin Knoy

vial # 26



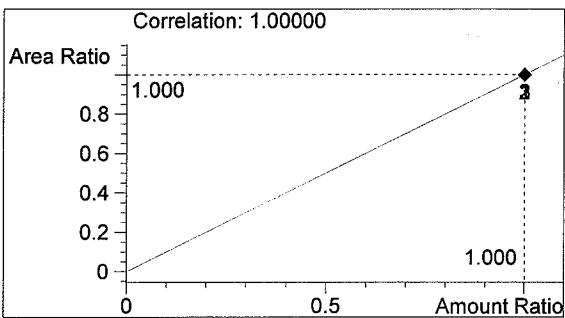
#	Compound	Area	RT
1	ETHANOL	960	1.064
2	n-PROPANOL	3416	1.826

Totals:



ETHANOL

0.122 g/100ml



n-PROPANOL

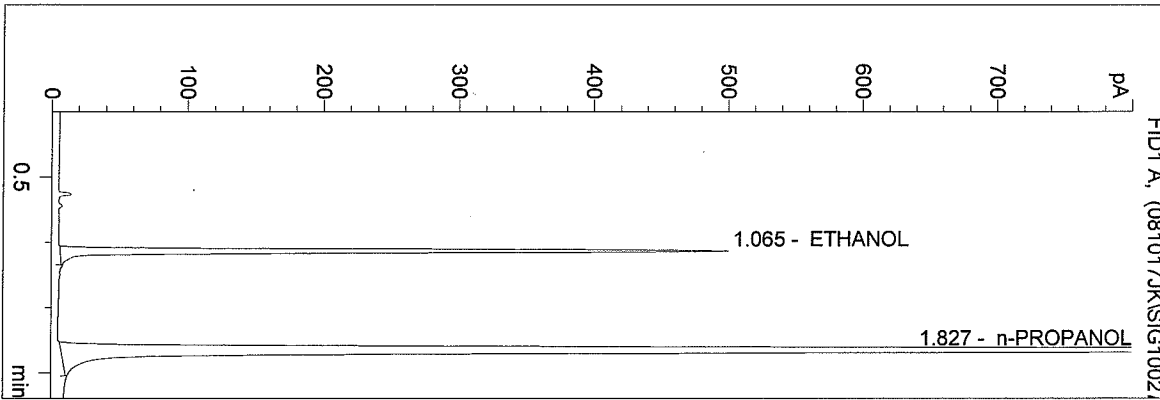
1.000 g/100ml

AK

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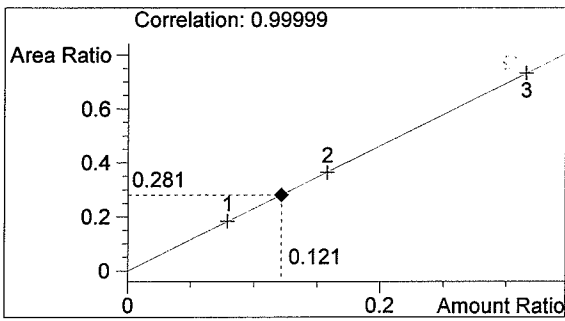
QA08048-4
 Justin Knoy

vial # 27



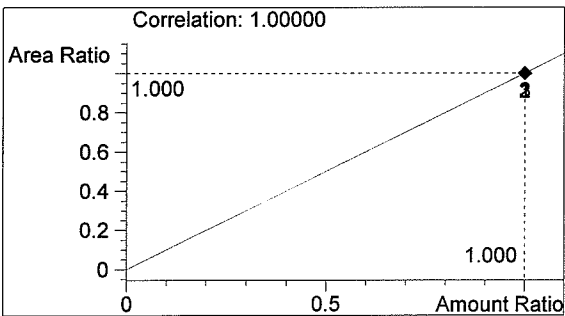
#	Compound	Area	RT
1	ETHANOL	983	1.065
2	n-PROPANOL	3503	1.827

Totals:



ETHANOL

0.121 g/100ml



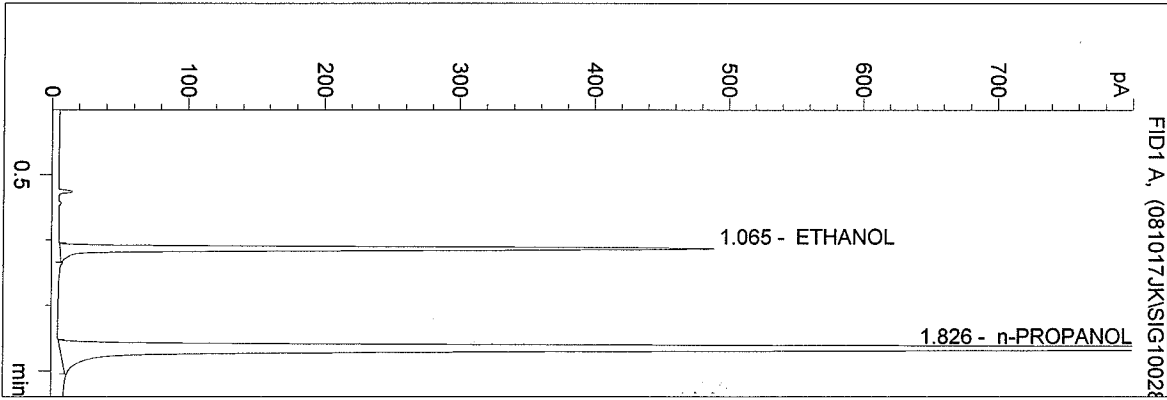
n-PROPANOL

1.000 g/100ml

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 Instrument 3
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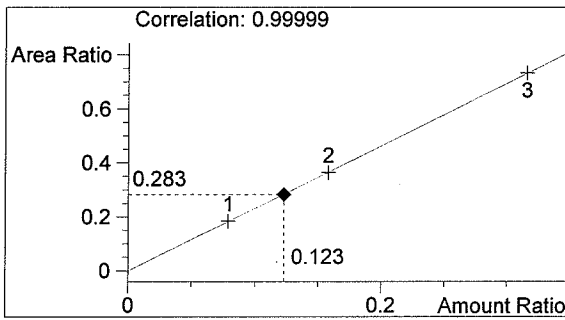
QA08048-5
 Justin Knoy

vial # 28



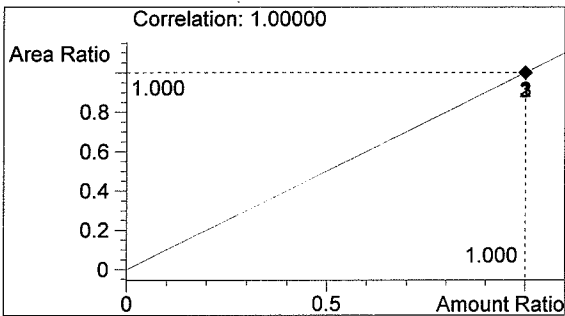
#	Compound	Area	RT
1	ETHANOL	972	1.065
2	n-PROPANOL	3429	1.826

Totals:



ETHANOL

0.123 g/100ml



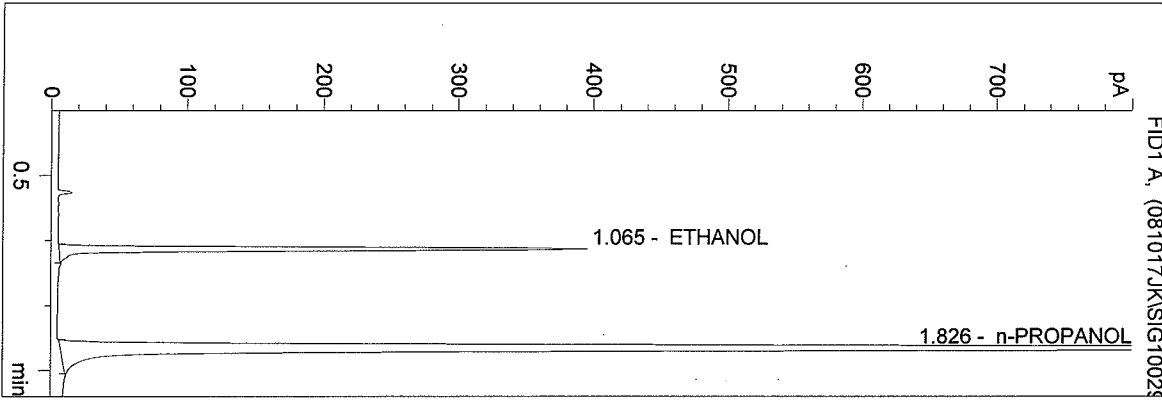
n-PROPANOL

1.000 g/100ml

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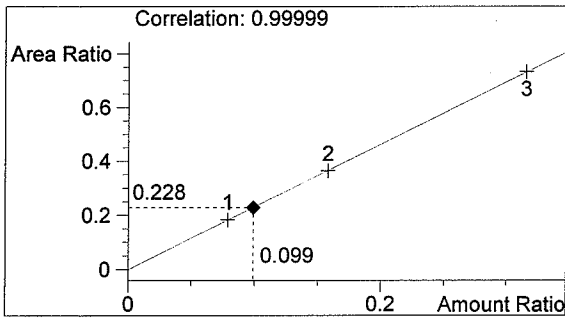
0.10 CTRL JK
 Justin Knoy

vial # 29



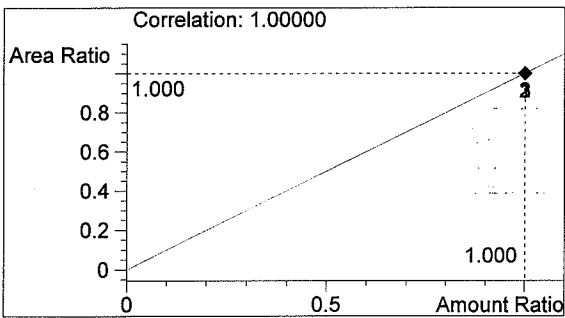
#	Compound	Area	RT
1	ETHANOL	786	1.065
2	n-PROPANOL	3443	1.826

Totals:



ETHANOL

0.099 g/100ml



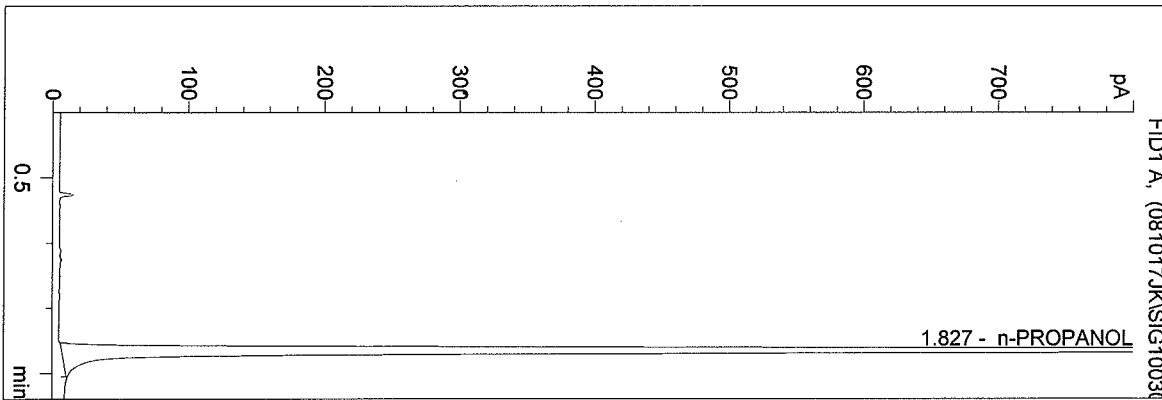
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 10/17/2008 12:02:11 PM
 Instrument 3
 db-alc2

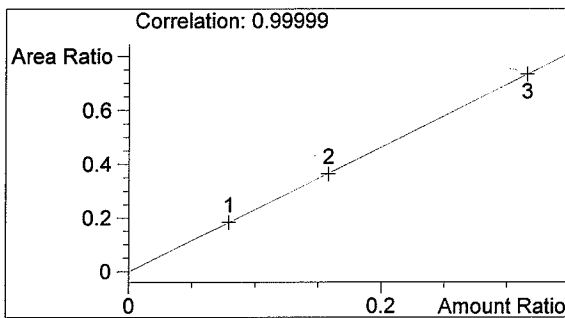
NEG CTRL JK
 Justin Knoy

vial # 30



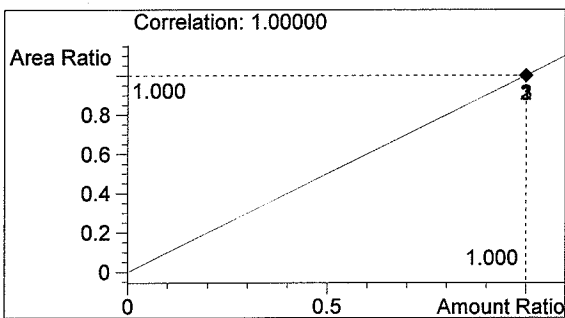
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3420	1.827

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

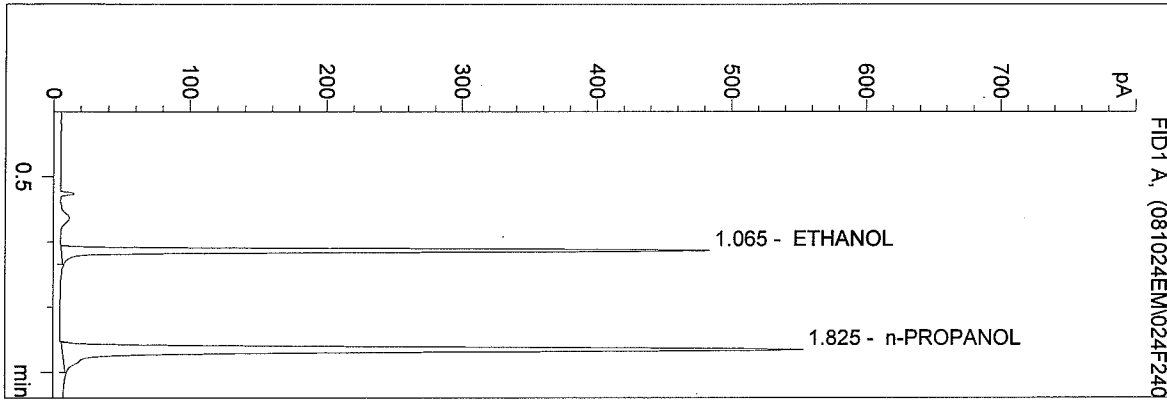
1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M
 10/24/2008 1:53:39 PM
 Instrument 3
 db-alc2

Q.A. 08048-1
 Estuardo J. Miranda

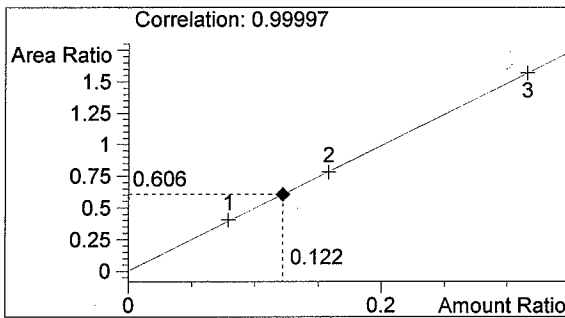
EM

vial # 24



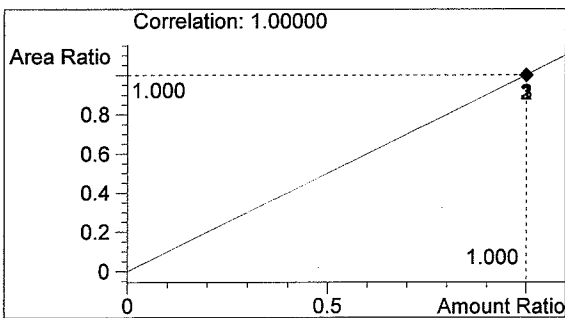
#	Compound	Area	RT
1	ETHANOL	941	1.065
2	n-PROPANOL	1554	1.825

Totals:



ETHANOL

0.122 g/100ml



n-PROPANOL

1.000 g/100ml

Calibration data with Q.A. 08046

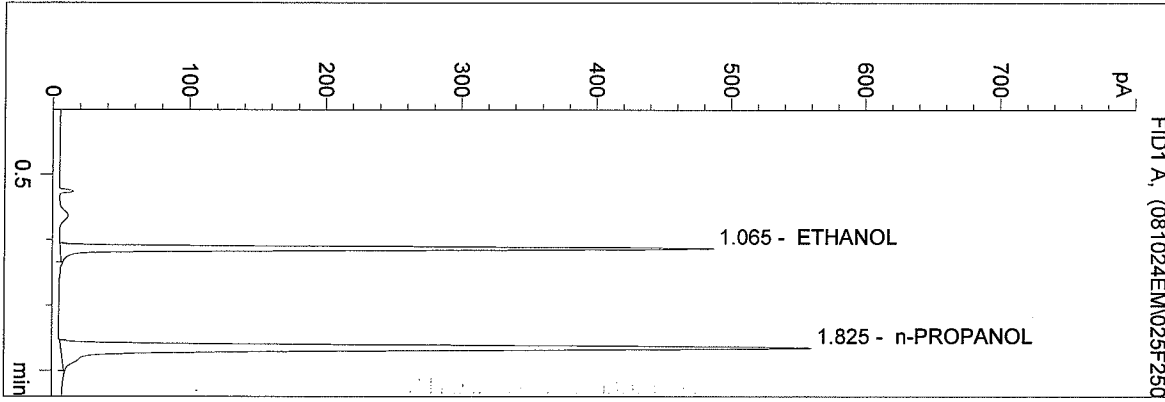
EM

C:\HPCHEM\2\METHODS\SIMALC.M
 10/24/2008 1:56:46 PM
 Instrument 3
 db-alc2

Q.A. 08048-2
 Estuardo J. Miranda

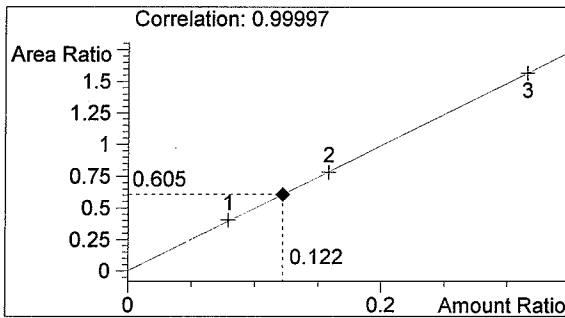
EM

vial # 25



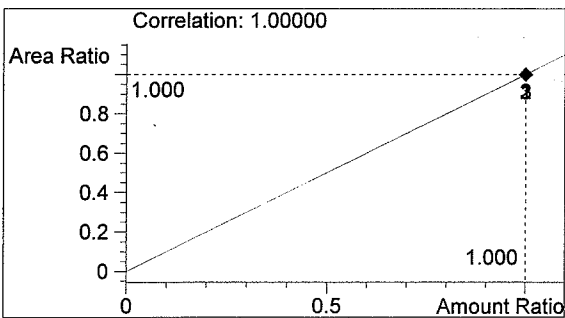
#	Compound	Area	RT
1	ETHANOL	954	1.065
2	n-PROPANOL	1578	1.825

Totals:



ETHANOL

0.122 g/100ml



n-PROPANOL

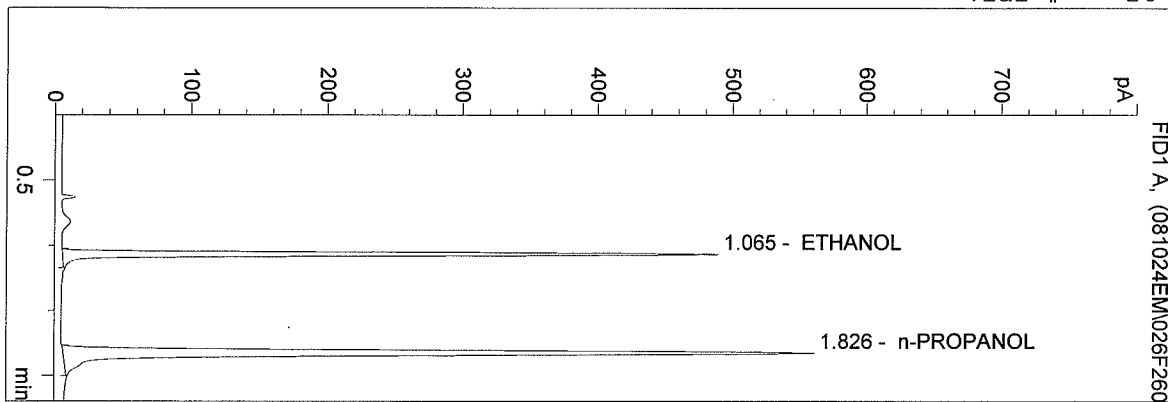
1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M
 10/24/2008 1:59:53 PM
 Instrument 3
 db-alc2

Q.A. 08048-3
 Estuardo J. Miranda

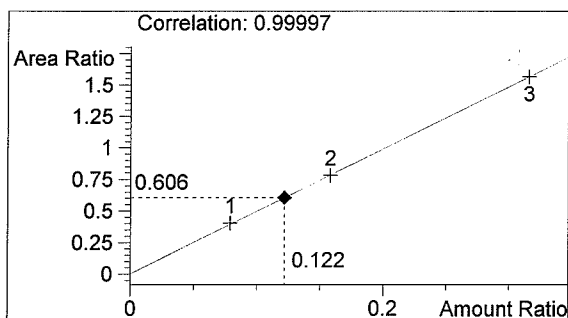
EM

vial # 26



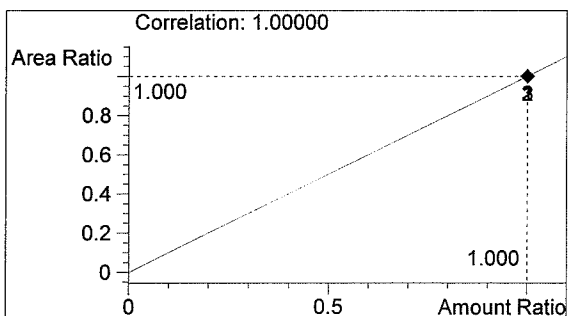
#	Compound	Area	RT
1	ETHANOL	955	1.065
2	n-PROPANOL	1578	1.826

Totals:



ETHANOL

0.122 g/100ml



n-PROPANOL

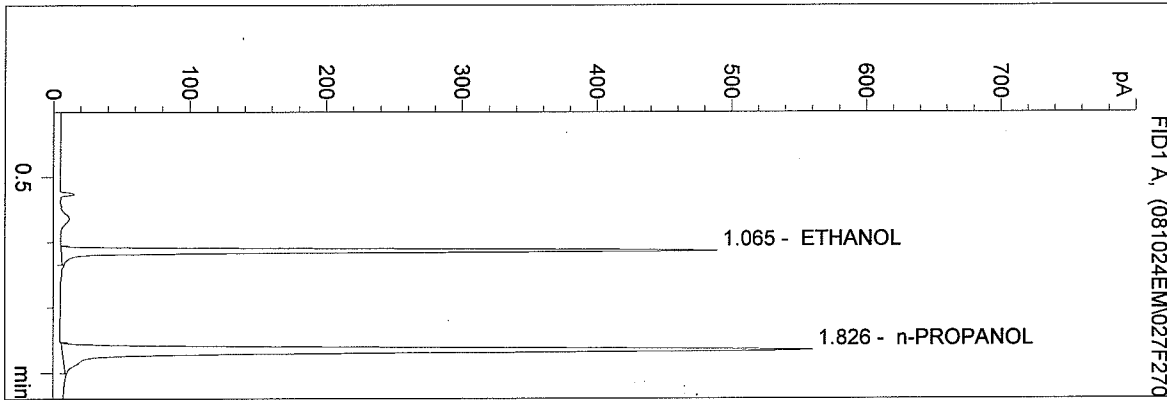
1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M
 10/24/2008 2:03:00 PM
 Instrument 3
 db-alc2

Q.A. 08048-4
 Estuardo J. Miranda

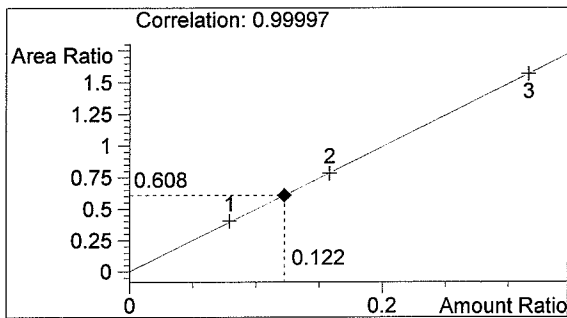
EM

vial # 27



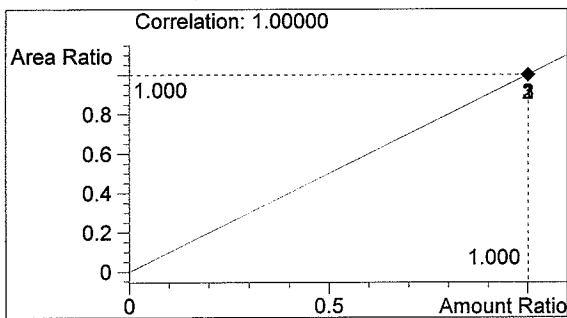
#	Compound	Area	RT
1	ETHANOL	956	1.065
2	n-PROPANOL	1574	1.826

Totals:



ETHANOL

0.122 g/100ml



n-PROPANOL

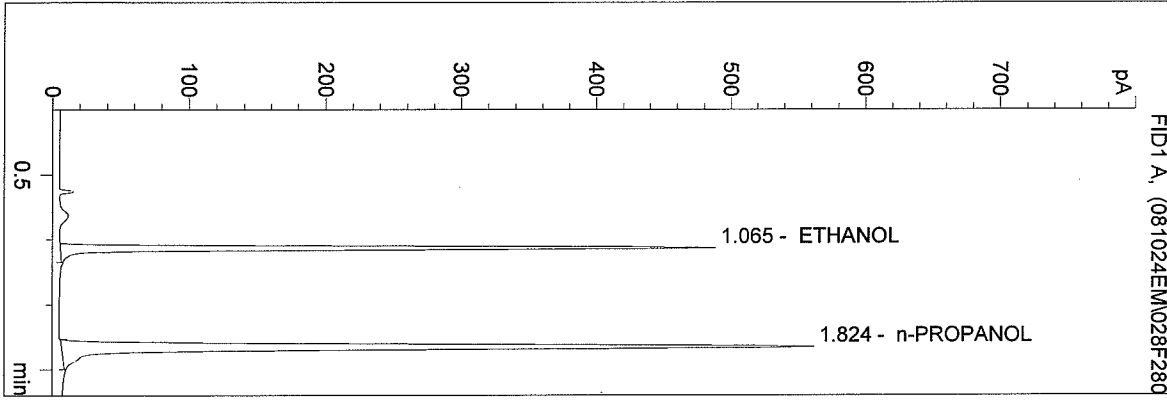
1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M
 10/24/2008 2:06:08 PM
 Instrument 3
 db-alc2

Q.A. 08048-5
 Estuardo J. Miranda

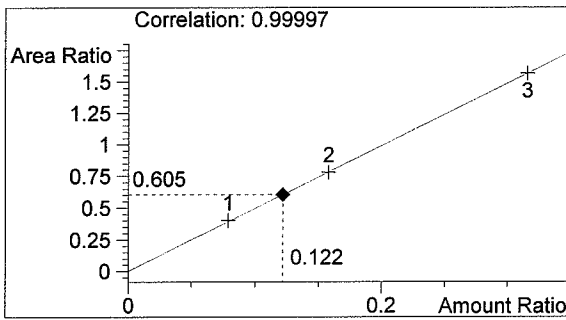
EM

vial # 28



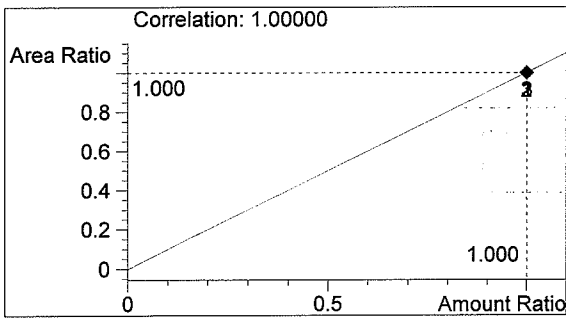
#	Compound	Area	RT
1	ETHANOL	955	1.065
2	n-PROPANOL	1577	1.824

Totals:



ETHANOL

0.122 g/100ml



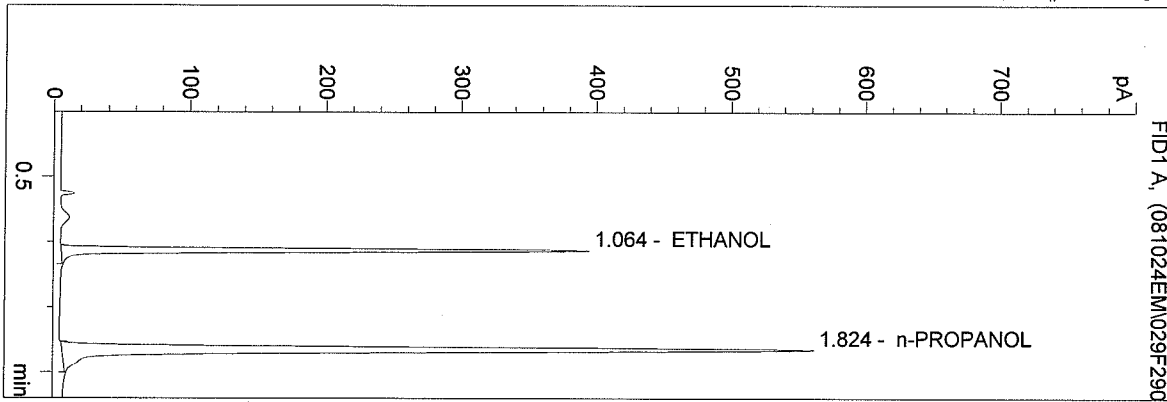
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M
 10/24/2008 2:09:15 PM
 Instrument 3
 db-alc2

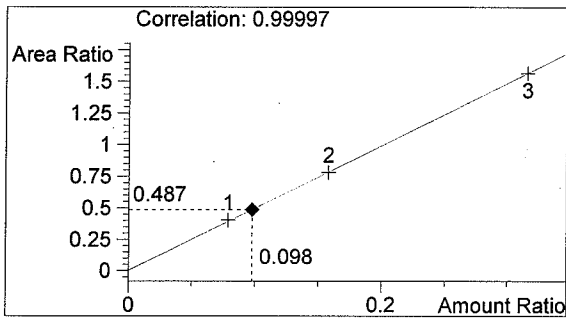
0.10 Control EM
 Estuardo J. Miranda *-EM*

vial # 29



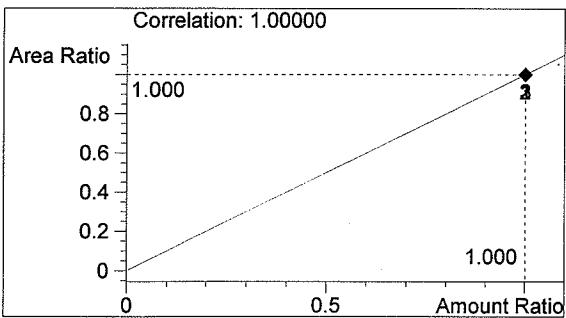
#	Compound	Area	RT
1	ETHANOL	769	1.064
2	n-PROPANOL	1579	1.824

Totals:



ETHANOL

0.098 g/100ml



n-PROPANOL

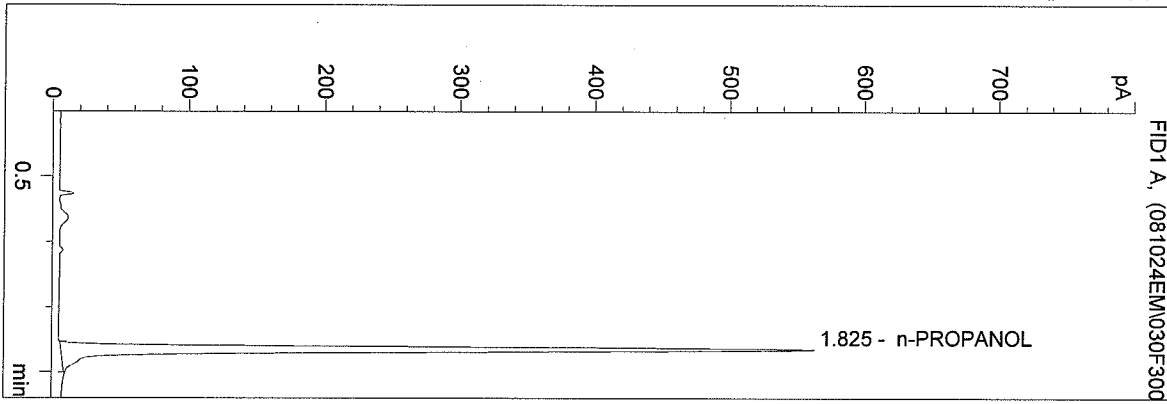
1.000 g/100ml

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 10/24/2008 2:12:22 PM
 Instrument 3
 db-alc2

Neg Control EM
 Estuardo J. Miranda

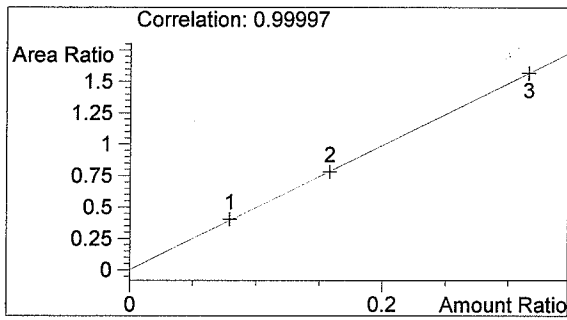
EM

vial # 30



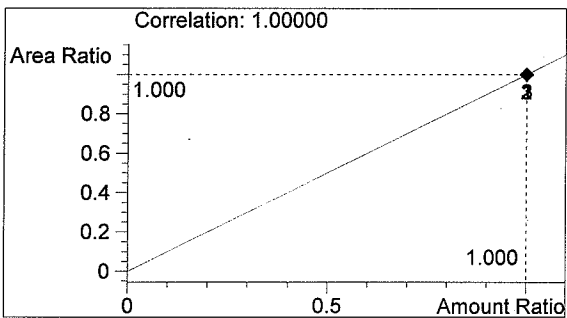
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1584	1.825

Totals:



ETHANOL

0.000 g/100ml



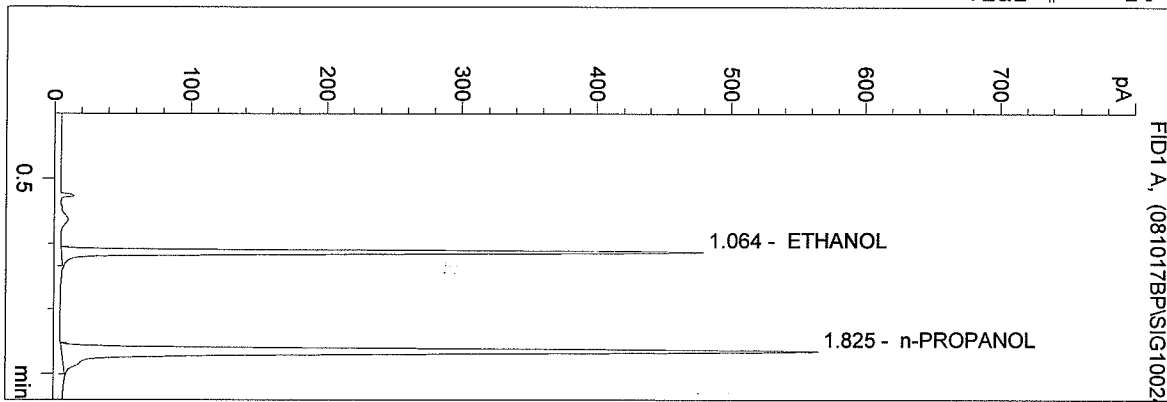
n-PROPANOL

1.000 g/100ml

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 10/17/2008 3:54:13 PM
 Instrument 3
 db-alc2

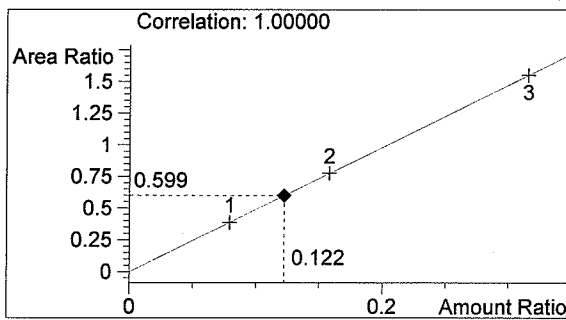
QA08048-1
 Brianna Peterson

vial # 24



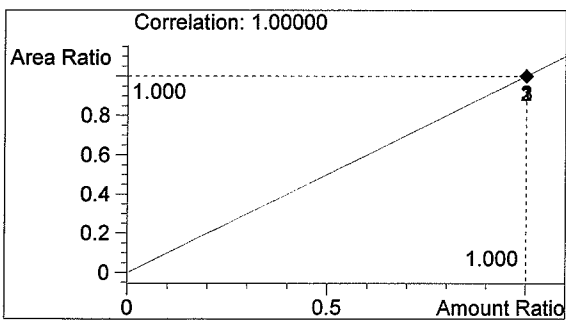
#	Compound	Area	RT
1	ETHANOL	957	1.064
2	n-PROPANOL	1599	1.825

Totals:



ETHANOL

0.122 g/100ml



n-PROPANOL

1.000 g/100ml

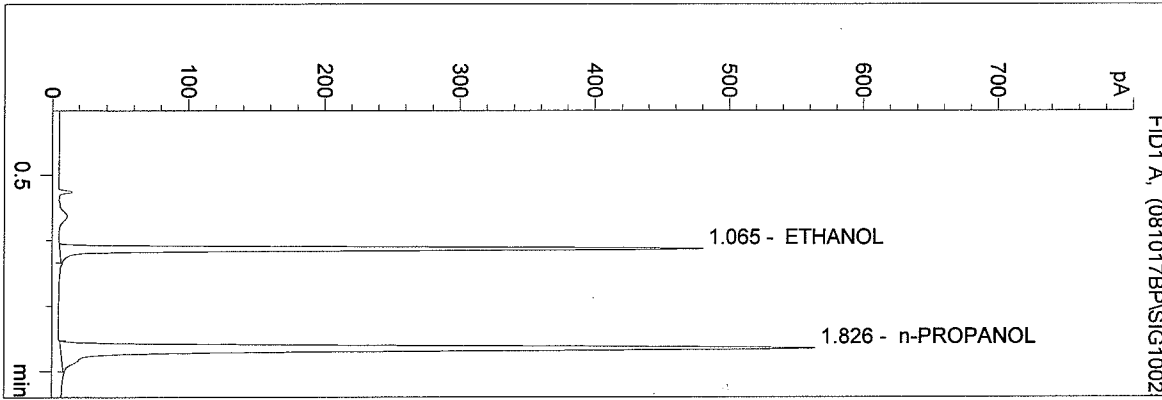
BP

CALIBRATION DATA WITH QA08046

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 10/17/2008 3:57:20 PM
 Instrument 3
 db-alc2

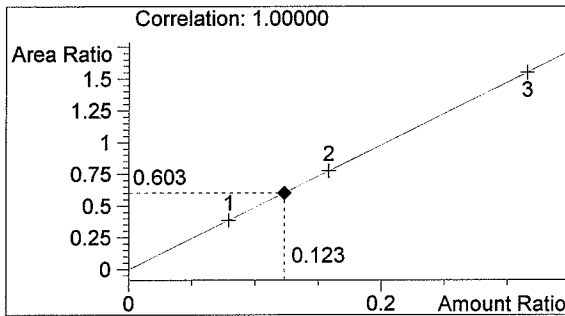
QA08048-2
 Brianna Peterson

vial # 25



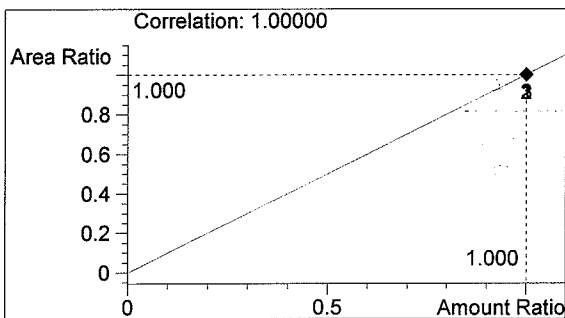
#	Compound	Area	RT
1	ETHANOL	958	1.065
2	n-PROPANOL	1590	1.826

Totals:



ETHANOL

0.123 g/100ml



n-PROPANOL

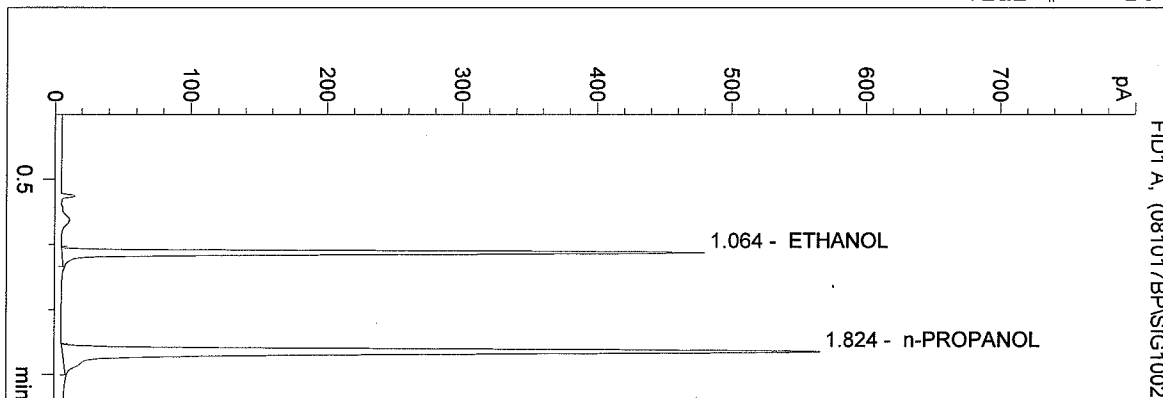
1.000 g/100ml

BP

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 10/17/2008 4:00:28 PM
 Instrument 3
 db-alc2

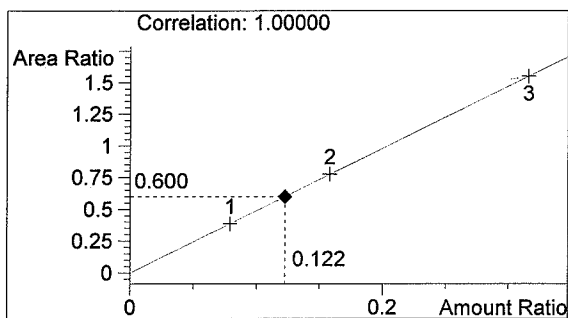
QA08048-3
 Brianna Peterson

vial # 26



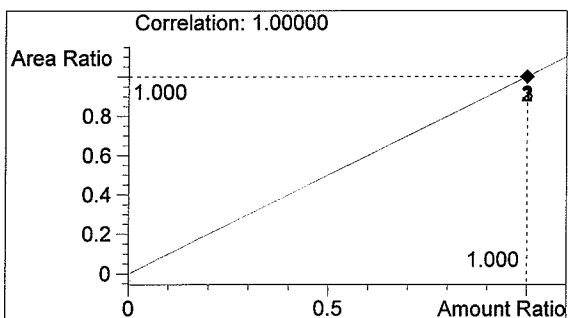
#	Compound	Area	RT
1	ETHANOL	959	1.064
2	n-PROPANOL	1599	1.824

Totals:



ETHANOL

0.122 g/100ml



n-PROPANOL

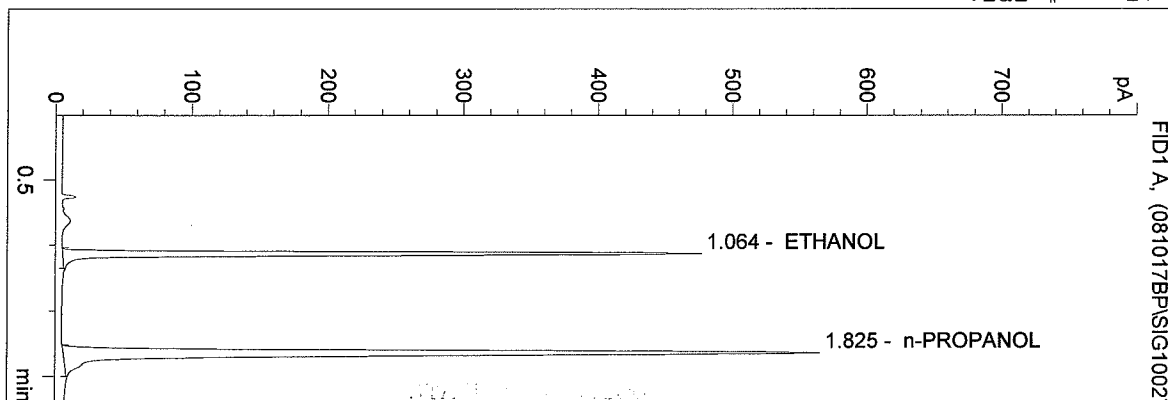
1.000 g/100ml

BP

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 10/17/2008 4:03:35 PM
 Instrument 3
 db-alc2

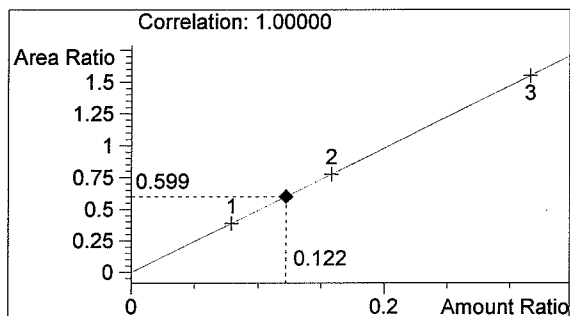
QA08048-4
 Brianna Peterson

vial # 27



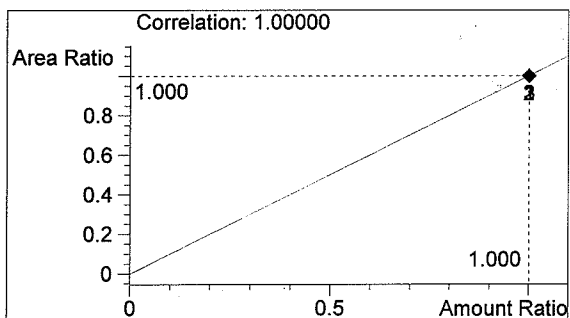
#	Compound	Area	RT
1	ETHANOL	958	1.064
2	n-PROPANOL	1600	1.825

Totals:



ETHANOL

0.122 g/100ml



n-PROPANOL

1.000 g/100ml

BP

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10/17/2008 4:06:42 PM

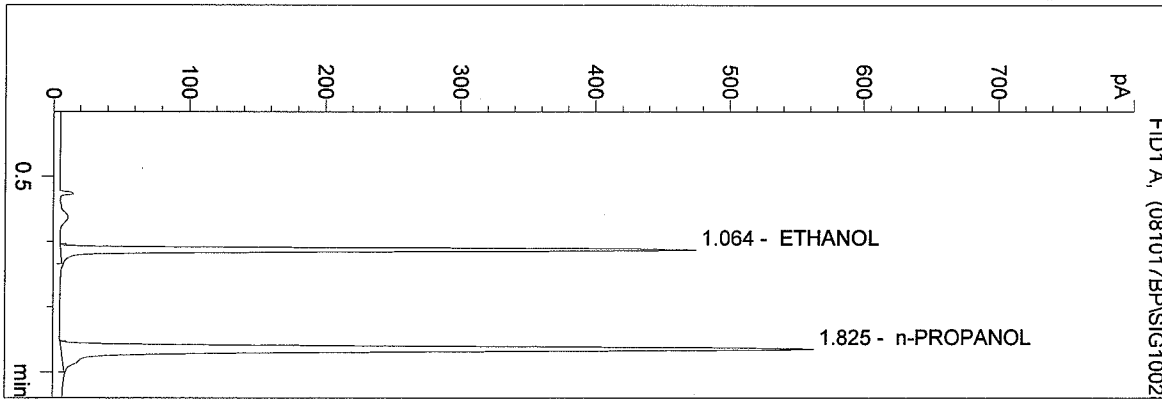
Instrument 3

db-alc2

QA08048-5

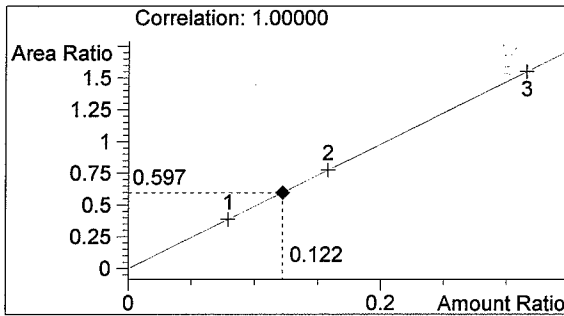
Brianna Peterson

vial # 28

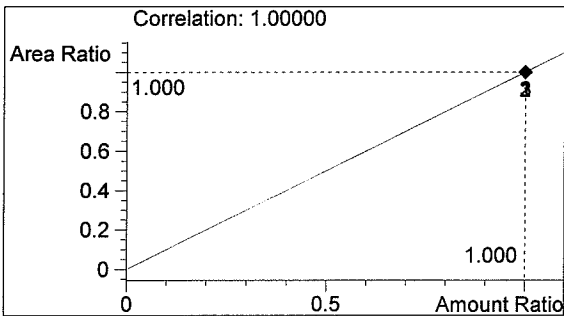


#	Compound	Area	RT
1	ETHANOL	952	1.064
2	n-PROPANOL	1593	1.825

Totals:



0.122 g/100ml



1.000 g/100ml

BP

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

10/17/2008 4:09:49 PM

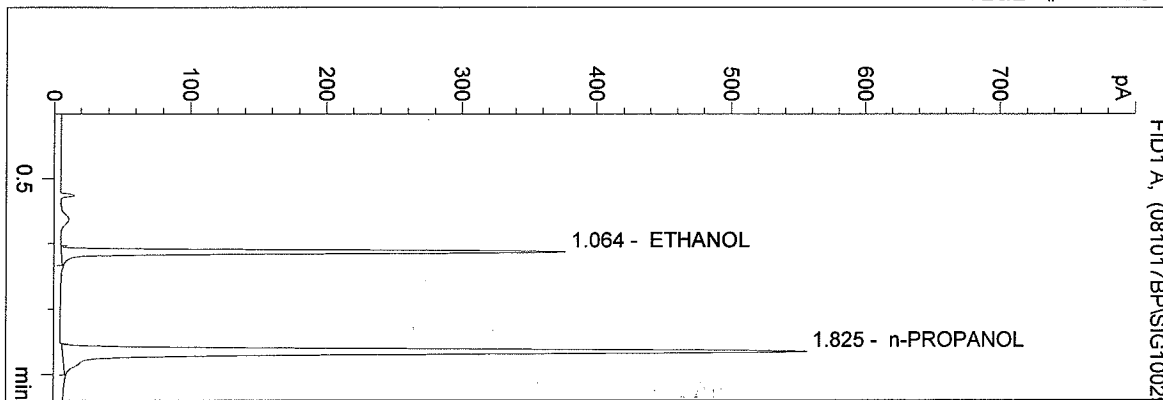
Instrument 3

db-alc2

0.10 CTRL BP

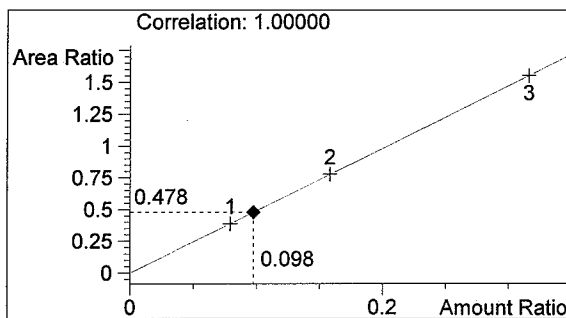
Brianna Peterson

vial # 29



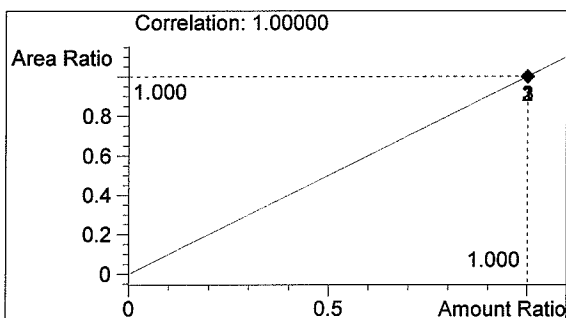
#	Compound	Area	RT
1	ETHANOL	750	1.064
2	n-PROPANOL	1569	1.825

Totals:



ETHANOL

0.098 g/100ml



n-PROPANOL

1.000 g/100ml

BP

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

10/17/2008 4:12:57 PM

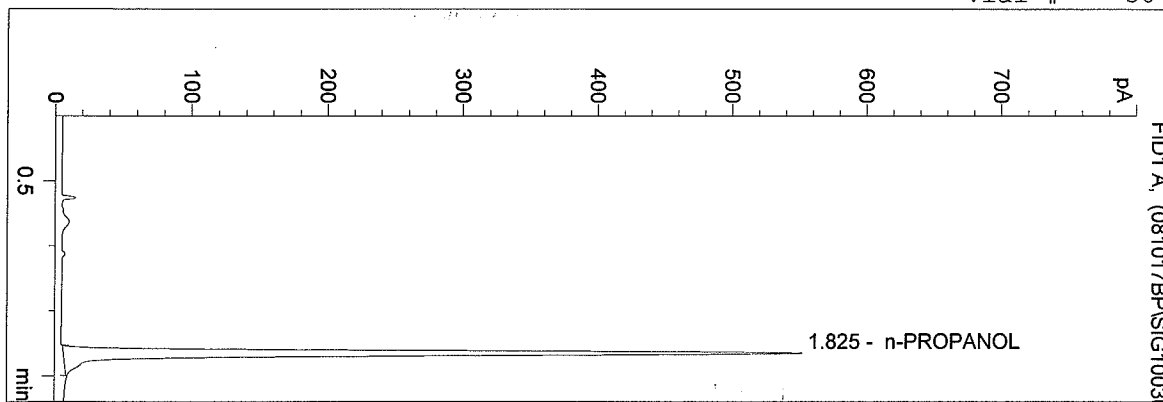
Instrument 3

db-alc2

NEG CTRL BP

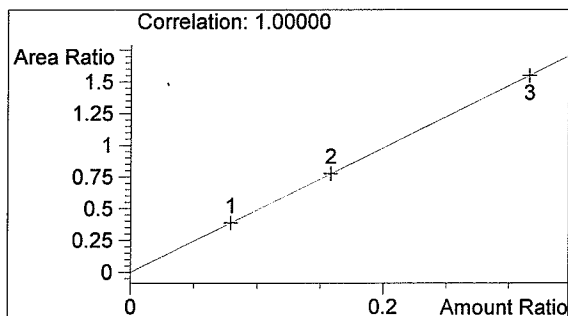
Brianna Peterson

vial # 30



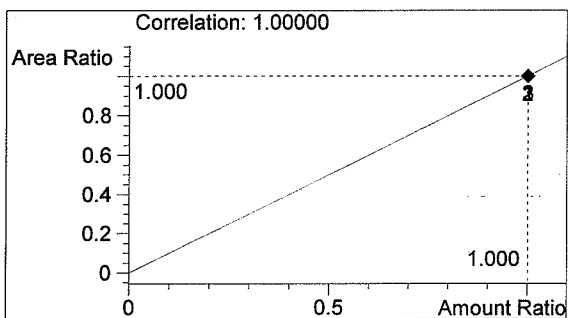
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1556	1.825

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

BP