



SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: ROD GULLBERG / DOUG JONES Date: 1-29-2009
Location: BTS SEATTLE Solution Batch Number: 09009

	YES	NO	N/A
Analysis dates do not precede preparation date:	<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 present: (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: 
Reviewer Signature: 


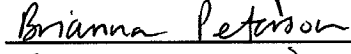

Date: 1-29-2009
Date: 1-29-2009

WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION
QAP Solution Calibration Certificate

Batch Number: 09009 Target Vapor Concentration: 0.15 g/210L
 Prepared By: Rebecca Flaherty Date Prepared: 1/13/2009


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

	RF	BP	CM
1	0.189	0.185	0.186
2	0.187	0.187	0.187
3	0.187	0.186	0.187
4	0.186	0.186	0.187
5	0.186	0.187	0.187
C	0.100	0.100	0.100

<u>Analyst</u>	<u>Name</u>	<u>Signature</u>	<u>Date Tested</u>
RF	Rebecca Flaherty		1/13/2009
BP	Brianna Peterson		1/20/2009
CM	Christie Mitchell		1/20/2009

External Control(s):		
<u>Lot Num</u>	<u>Exp Date</u>	<u>Target Conc</u>
A059621	08 / 2012	0.10 g/100mL

Statistics:				
Avg. Solution Conc.	0.1867	g/100mL	Precision CV (%)	0.48
Std. Deviation (SD)	0.00090		Number of Tests (N)	15
Range (3.8xSD)	0.1832	to 0.1901	Equivalent Vapor Conc.	0.1518 g/210L

Final Review by:  Review/Issue Date: 1-30-09

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	1-27-09
Brianne Akins		
Brittany Ball		
Christie Mitchell	CM	1/27/09
Christopher Johnston		
Estuardo Miranda		
Gwynyth Scherperel		
Justin Kroy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	1-27-09
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 09009**


I, Rebecca Flaherty, 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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The qap solution, Lot Number 09009, was prepared in the Washington State Toxicology Laboratory on 1/13/2009. 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 1/13/2010.

Seattle, WA

 1-27-09

Rebecca Flaherty
Forensic Toxicologist

Date

RF/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 09009**

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 09009, was prepared in the Washington State Toxicology Laboratory on 1/13/2009. 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 1/13/2010.

Seattle, WA

Brianna Peterson 1-27-09

Brianna Peterson
Forensic Toxicologist

Date

BP/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 09009**

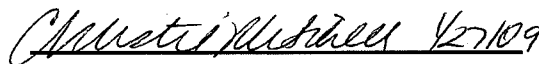
I, Christie Mitchell, do certify under penalty of perjury that:

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: BA degree in Chemistry and MFS degree in Forensic Science.

The qap solution, Lot Number 09009, was prepared in the Washington State Toxicology Laboratory on 1/13/2009. 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 1/13/2010.

Seattle, WA

 1/27/09

Christie Mitchell

Date

Forensic Toxicologist

CM/ik



Sequence Parameters:

Operator: Rebecca Flaherty
 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: 090113RF
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

0.04 Control - Lot # A061507 - exp 11/2012
 0.10 Control - Lot # A059621 - exp 08/2012
 0.20 Control - Lot # A056773 - exp 03/2012

RF
*Calibration Filed
 with QAP 09006*

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC	1	Sample		
2	Vial 2	0.079 CAL-1	SIMALC	1	Calib		
3	Vial 3	0.158 CAL-2	SIMALC	1	Calib		
4	Vial 4	0.316 CAL-3	SIMALC	1	Calib		
5	Vial 5	Neg Control RF	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 Control RF	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 Control RF	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 Control RF	SIMALC	1	Ctrl Samp		
9	Vial 9	Neg Control RF	SIMALC	1	Ctrl Samp		
10	Vial 10	QAP 09006 #1	SIMALC	1	Sample		
11	Vial 11	QAP 09006 #2	SIMALC	1	Sample		
12	Vial 12	QAP 09006 #3	SIMALC	1	Sample		
13	Vial 13	QAP 09006 #4	SIMALC	1	Sample		
14	Vial 14	QAP 09006 #5	SIMALC	1	Sample		
15	Vial 15	0.10 Control RF	SIMALC	1	Ctrl Samp		
16	Vial 16	Neg Control RF	SIMALC	1	Ctrl Samp		
17	Vial 17	QAP 09007 #1	SIMALC	1	Sample		
18	Vial 18	QAP 09007 #2	SIMALC	1	Sample		
19	Vial 19	QAP 09007 #3	SIMALC	1	Sample		
20	Vial 20	QAP 09007 #4	SIMALC	1	Sample		
21	Vial 21	QAP 09007 #5	SIMALC	1	Sample		
22	Vial 22	0.10 Control RF	SIMALC	1	Ctrl Samp		
23	Vial 23	Neg Control RF	SIMALC	1	Ctrl Samp		
24	Vial 24	QAP 09008 #1	SIMALC	1	Sample		
25	Vial 25	QAP 09008 #2	SIMALC	1	Sample		
26	Vial 26	QAP 09008 #3	SIMALC	1	Sample		
27	Vial 27	QAP 09008 #4	SIMALC	1	Sample		
28	Vial 28	QAP 09008 #5	SIMALC	1	Sample		
29	Vial 29	0.10 Control RF	SIMALC	1	Ctrl Samp		
30	Vial 30	Neg Control RF	SIMALC	1	Ctrl Samp		
31	Vial 31	QAP 09009 #1	SIMALC	1	Sample		
32	Vial 32	QAP 09009 #2	SIMALC	1	Sample		

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP 09009 #3	SIMALC	1	Sample		
34	Vial 34	QAP 09009 #4	SIMALC	1	Sample		
35	Vial 35	QAP 09009 #5	SIMALC	1	Sample		
36	Vial 36	0.10 Control RF	SIMALC	1	Ctrl Samp		
37	Vial 37	Neg Control RF	SIMALC	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

RF

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1/13/2009 2:59:02 PM

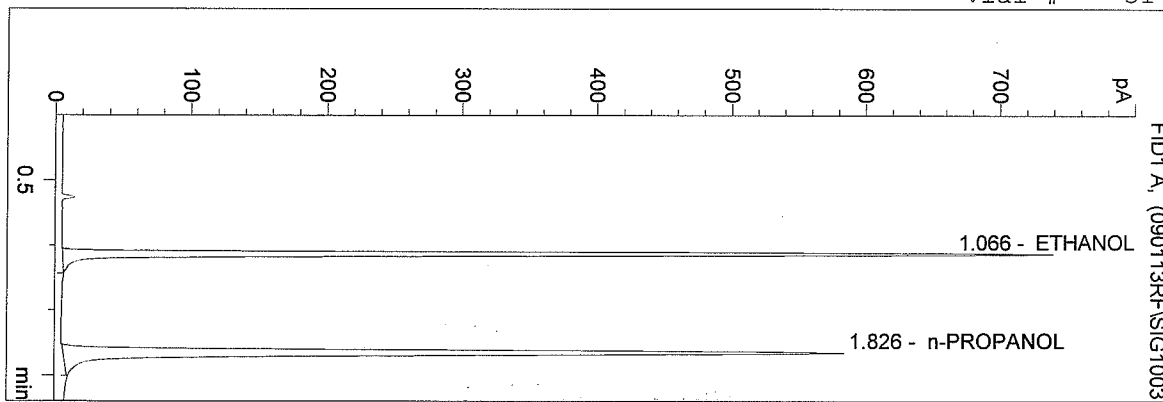
Instrument 3

db-alc2

QAP 09009 #1

Rebecca Flaherty

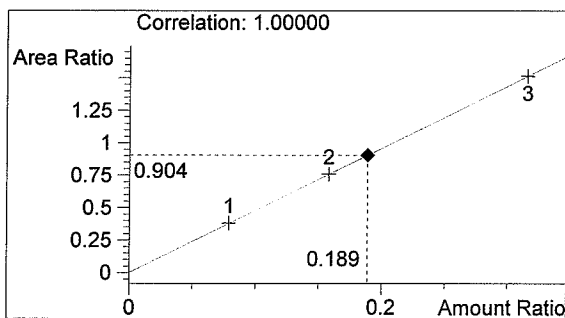
vial # 31



#	Compound	Area	RT
1	ETHANOL	1475	1.066
2	n-PROPANOL	1631	1.826

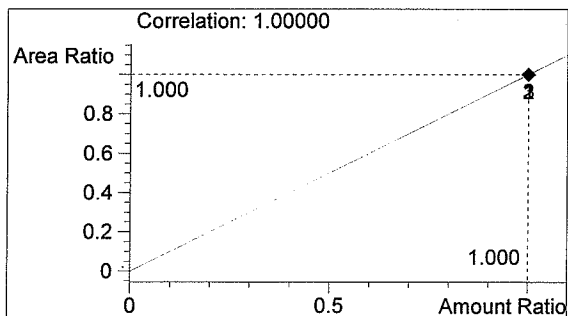
Totals:

RF



ETHANOL

0.189 g/100ml



n-PROPANOL

1.000 g/100ml

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1/13/2009 3:02:10 PM

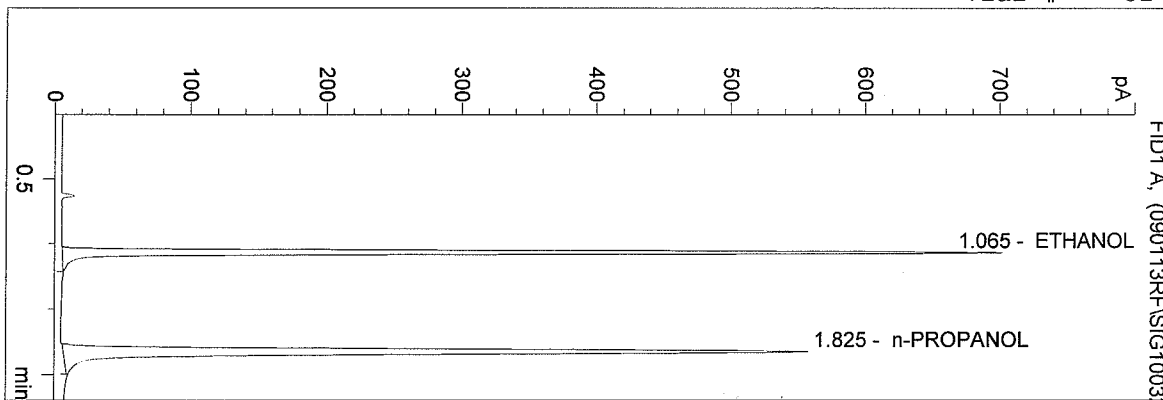
Instrument 3

db-alc2

QAP 09009 #2

Rebecca Flaherty

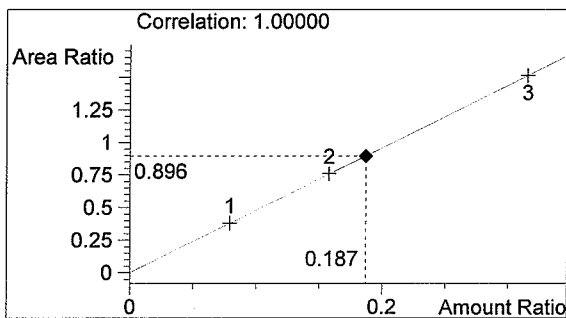
vial # 32



#	Compound	Area	RT
1	ETHANOL	1397	1.065
2	n-PROPANOL	1559	1.825

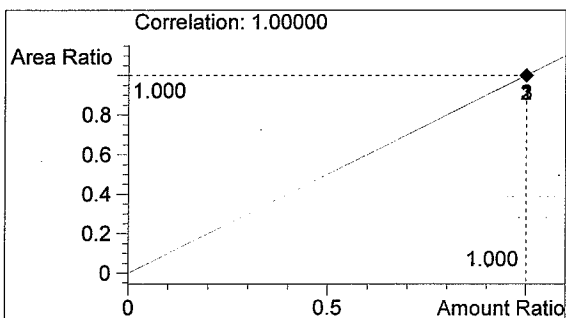
Totals:

RF



ETHANOL

0.187 g/100ml



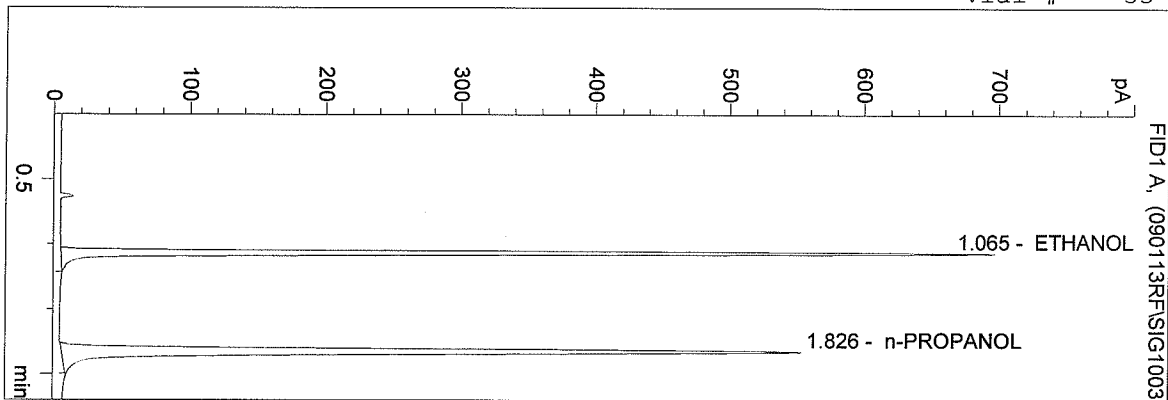
n-PROPANOL

1.000 g/100ml

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 Instrument 3
 db-alc2

QAP 09009 #3
 Rebecca Flaherty

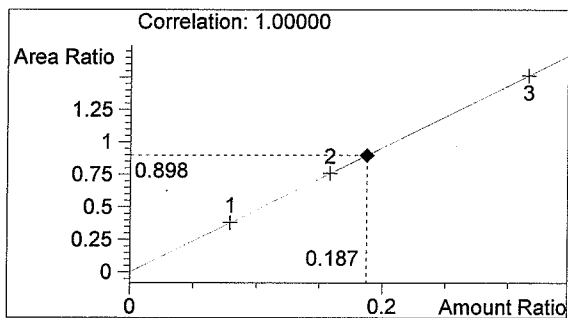
vial # 33



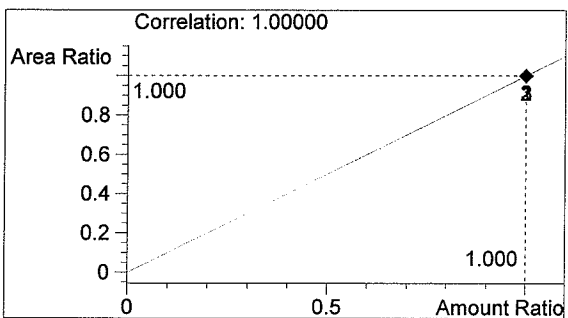
#	Compound	Area	RT
1	ETHANOL	1387	1.065
2	n-PROPANOL	1545	1.826

Totals:

RF



0.187 g/100ml

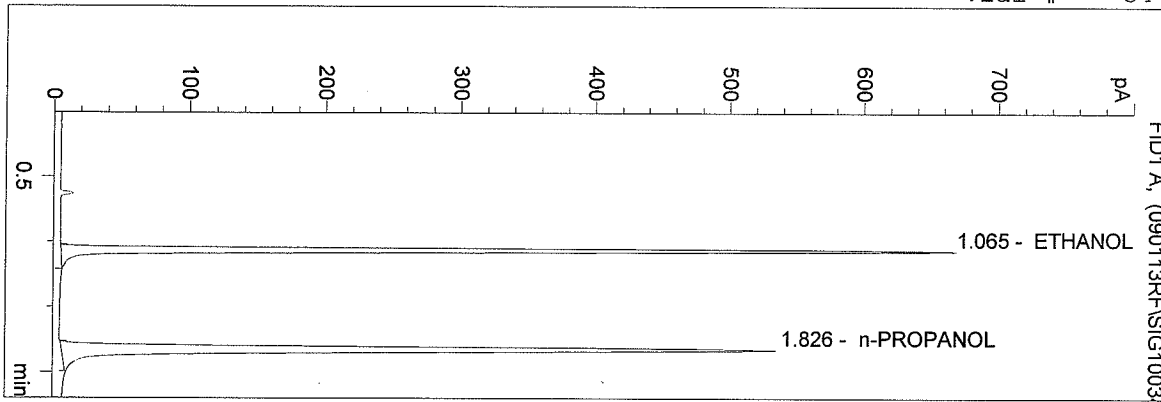


1.000 g/100ml

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 Instrument 3
 db-alc2

QAP 09009 #4
 Rebecca Flaherty

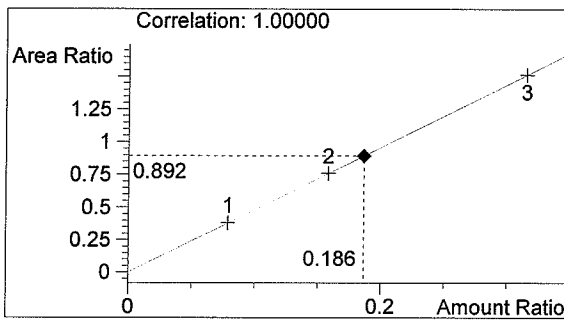
vial # 34



#	Compound	Area	RT
1	ETHANOL	1333	1.065
2	n-PROPANOL	1494	1.826

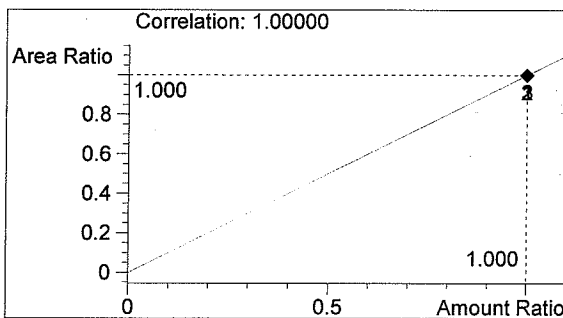
Totals:

RF



ETHANOL

0.186 g/100ml



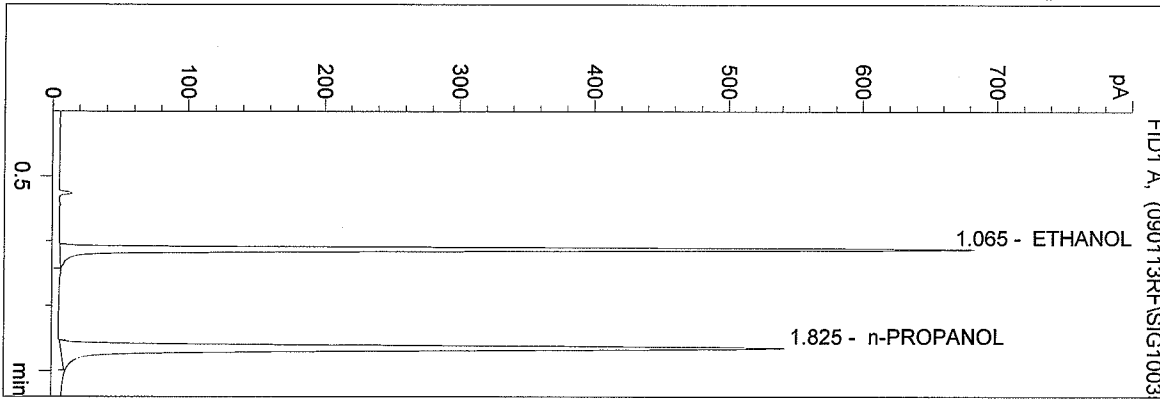
n-PROPANOL

1.000 g/100ml

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 1/13/2009 3:11:31 PM
 Instrument 3
 db-alc2

QAP 09009 #5
 Rebecca Flaherty

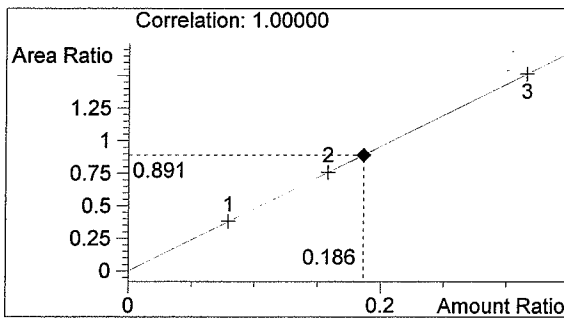
vial # 35



#	Compound	Area	RT
1	ETHANOL	1347	1.065
2	n-PROPANOL	1511	1.825

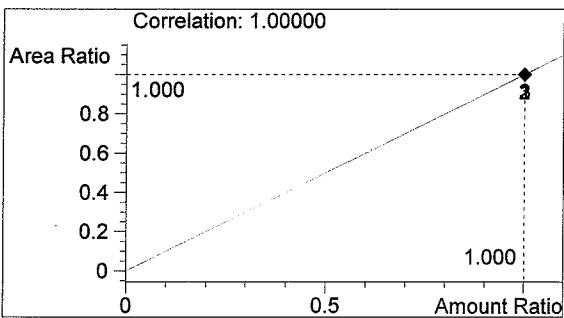
RF

Totals:



ETHANOL

0.186 g/100ml



n-PROPANOL

1.000 g/100ml

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

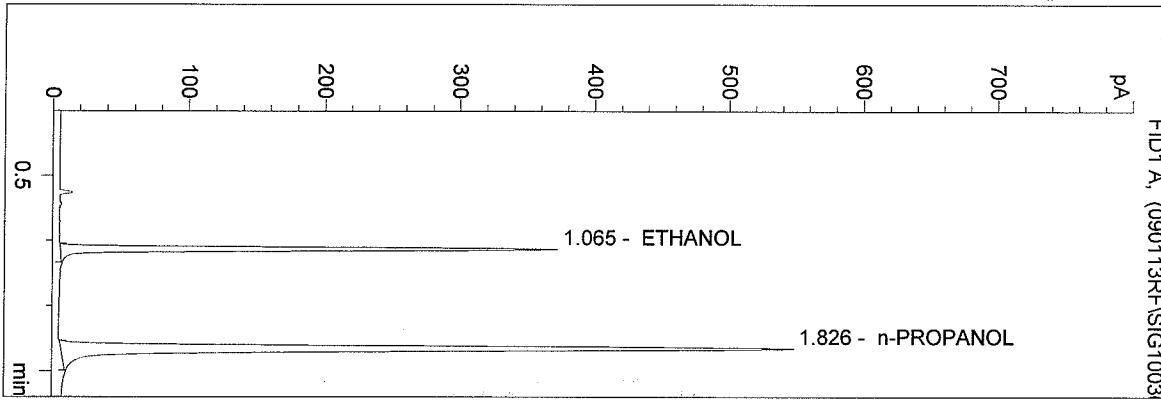
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Instrument 3

db-alc2

0.10 Control RF
Rebecca Flaherty

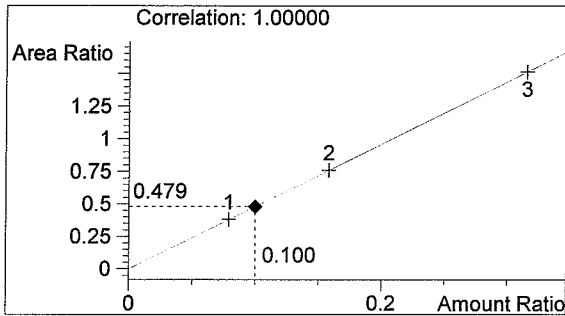
vial # 36



#	Compound	Area	RT
1	ETHANOL	734	1.065
2	n-PROPANOL	1531	1.826

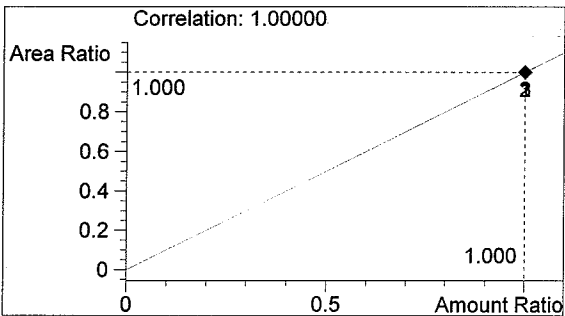
Totals:

RF



ETHANOL

0.100 g/100ml



n-PROPANOL

1.000 g/100ml

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

1/13/2009 3:17:45 PM

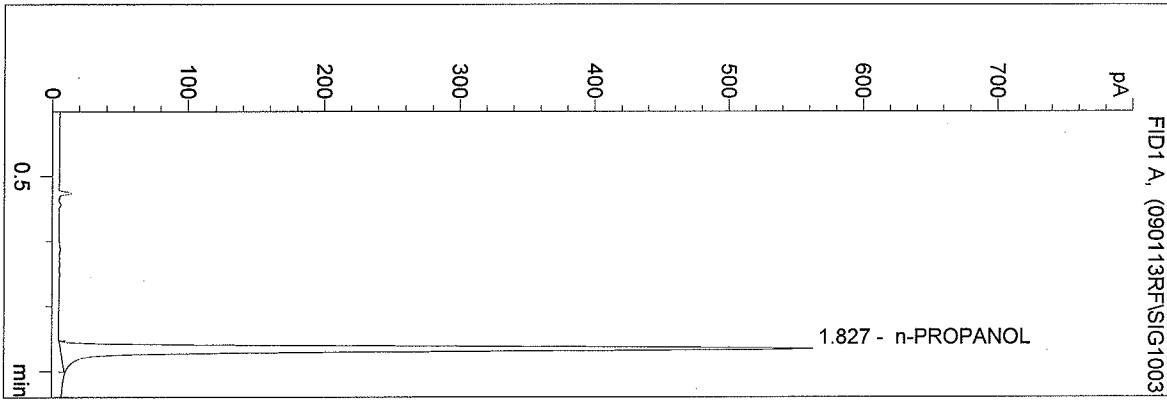
Instrument 3

db-alc2

Neg Control RF

Rebecca Flaherty

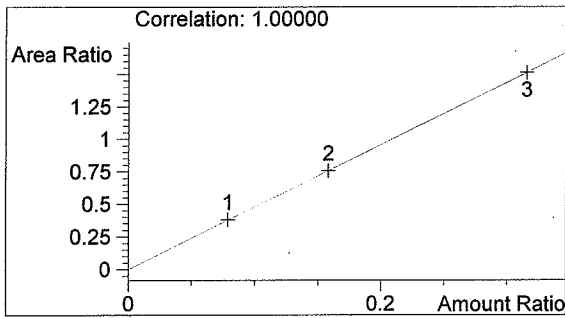
vial # 37



#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1571	1.827

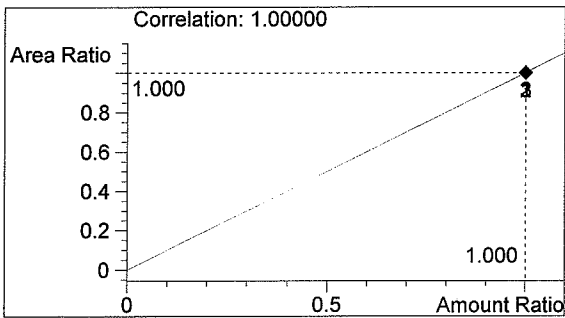
Totals:

RF



ETHANOL

0.000 g/100ml



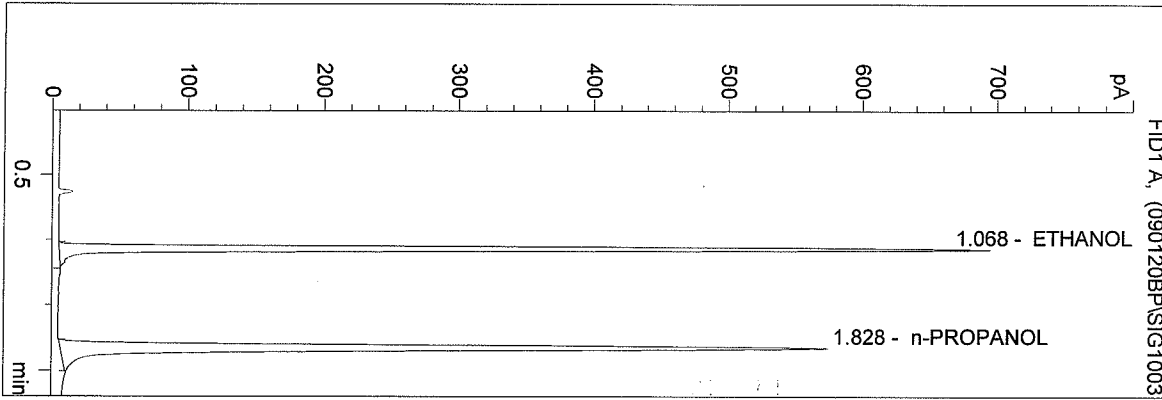
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M
 1/20/2009 10:27:21 AM
 Instrument 3
 db-alc2

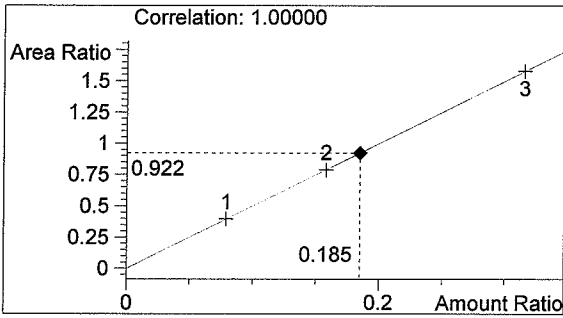
QA09009-1
 Brianna Peterson

vial # 31



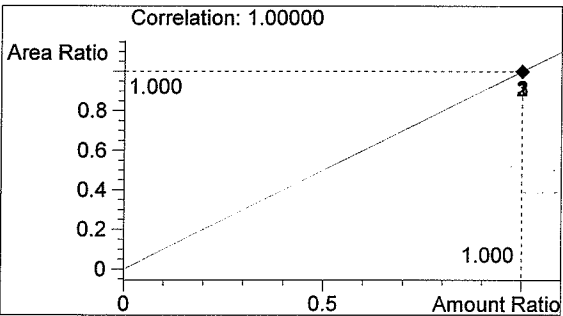
#	Compound	Area	RT
1	ETHANOL	1548	1.068
2	n-PROPANOL	1679	1.828

Totals:



ETHANOL

0.185 g/100ml



n-PROPANOL

1.000 g/100ml

BL

CALIBRATION DATA WITH QAP 09006

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

1/20/2009 10:30:29 AM

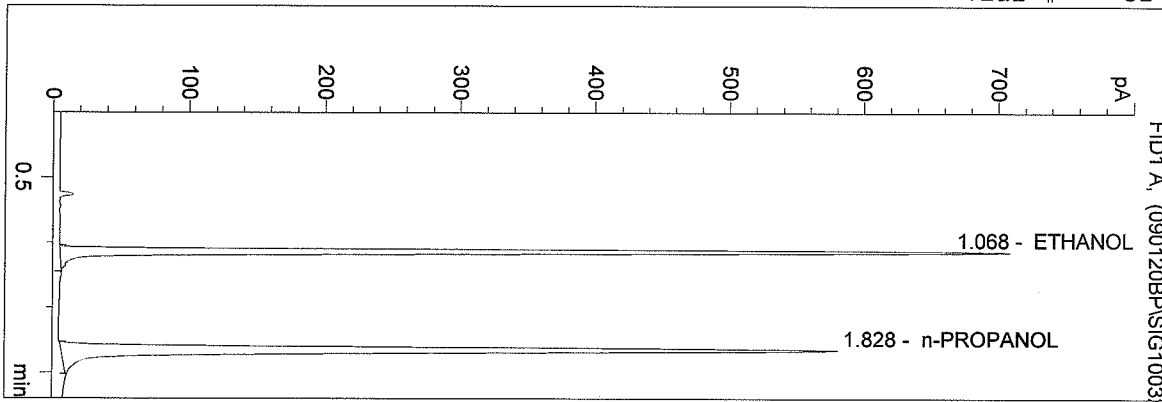
Instrument 3

db-alc2

QA09009-2

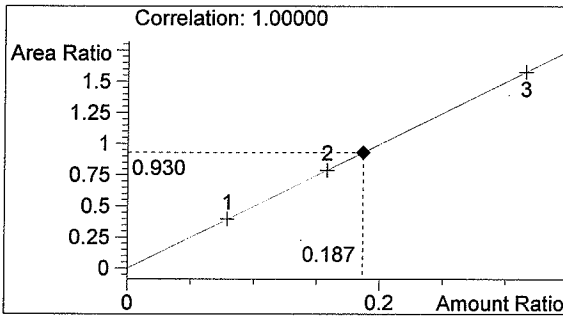
Brianna Peterson

vial # 32



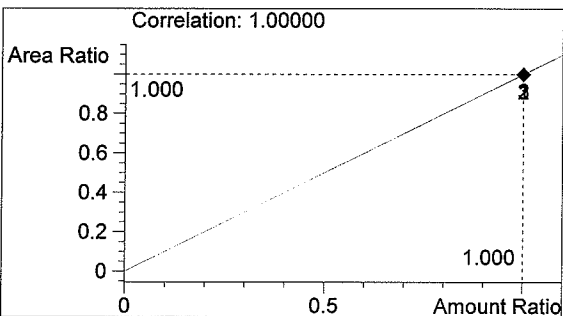
#	Compound	Area	RT
1	ETHANOL	1579	1.068
2	n-PROPANOL	1698	1.828

Totals:



ETHANOL

0.187 g/100ml



n-PROPANOL

1.000 g/100ml

bl

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

1/20/2009 10:33:36 AM

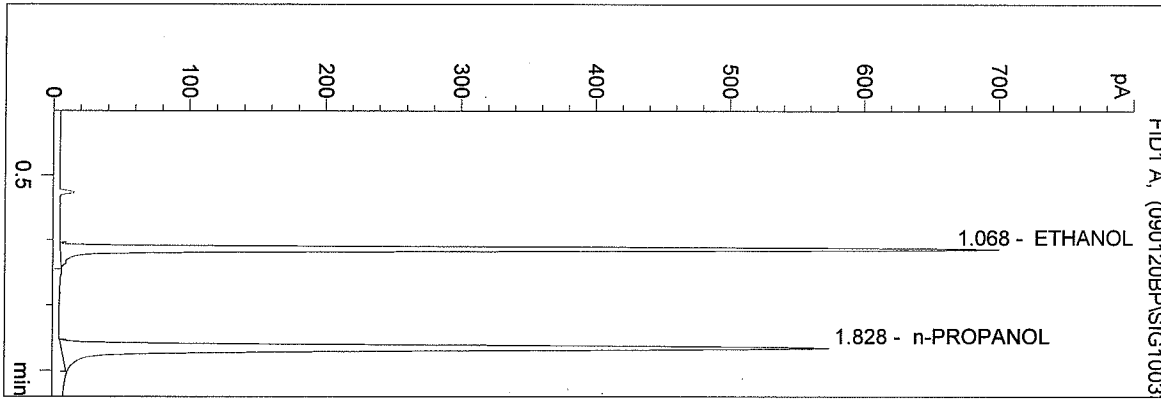
Instrument 3

db-alc2

QA09009-3

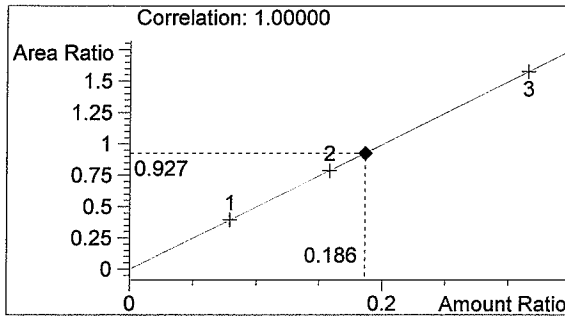
Brianna Peterson

vial # 33



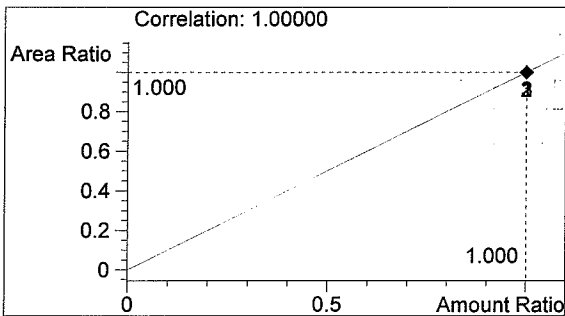
#	Compound	Area	RT
1	ETHANOL	1559	1.068
2	n-PROPANOL	1680	1.828

Totals:



ETHANOL

0.186 g/100ml



n-PROPANOL

1.000 g/100ml

BP

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

1/20/2009 10:36:44 AM

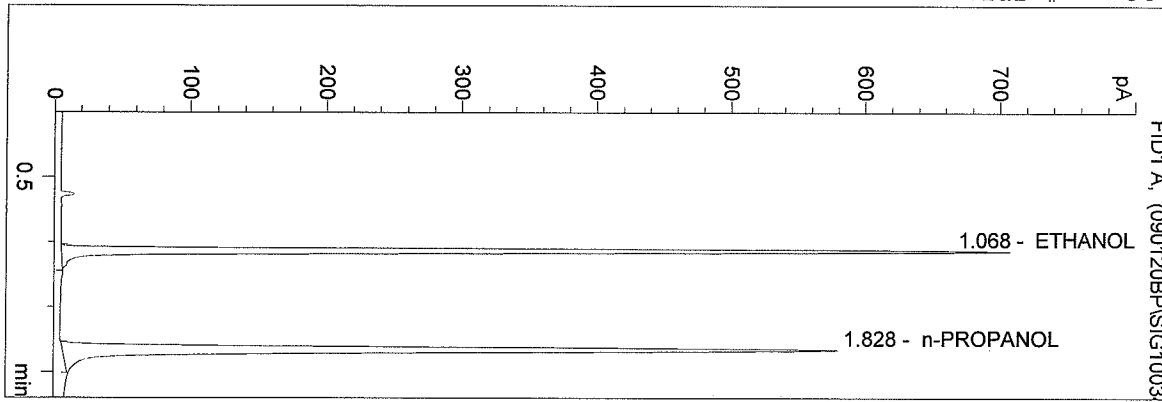
Instrument 3

db-alc2

QA09009-4

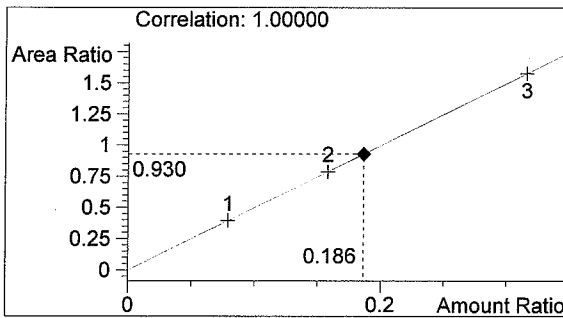
Brianna Peterson

vial # 34



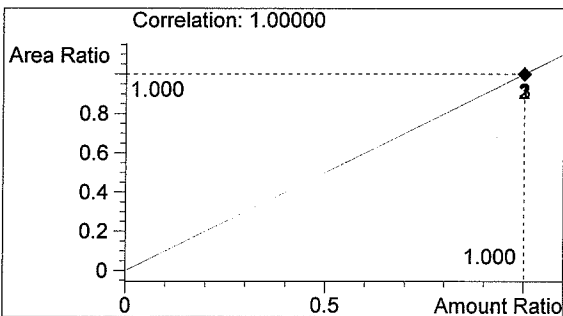
#	Compound	Area	RT
1	ETHANOL	1576	1.068
2	n-PROPANOL	1695	1.828

Totals:



ETHANOL

0.186 g/100ml



n-PROPANOL

1.000 g/100ml

BR

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

1/20/2009 10:39:52 AM

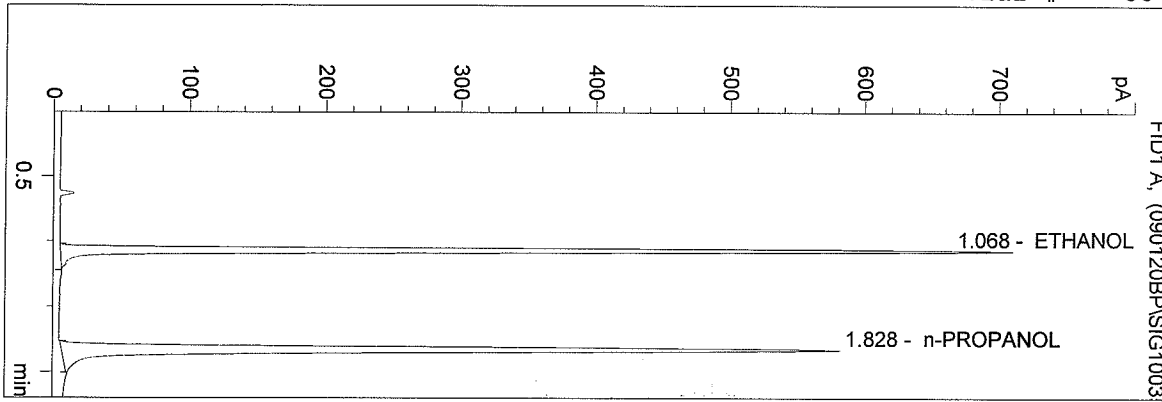
Instrument 3

db-alc2

QA09009-5

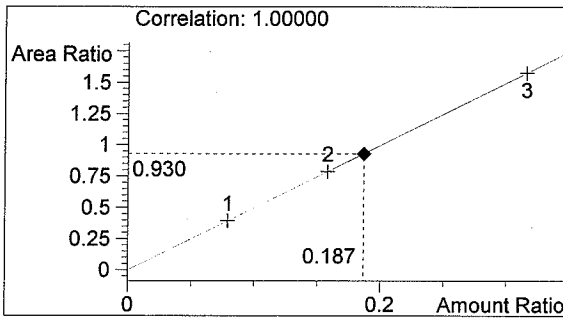
Brianna Peterson

vial # 35



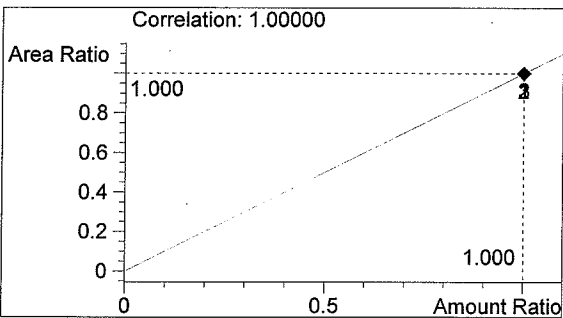
#	Compound	Area	RT
1	ETHANOL	1581	1.068
2	n-PROPANOL	1700	1.828

Totals:



ETHANOL

0.187 g/100ml



n-PROPANOL

1.000 g/100ml

BP

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

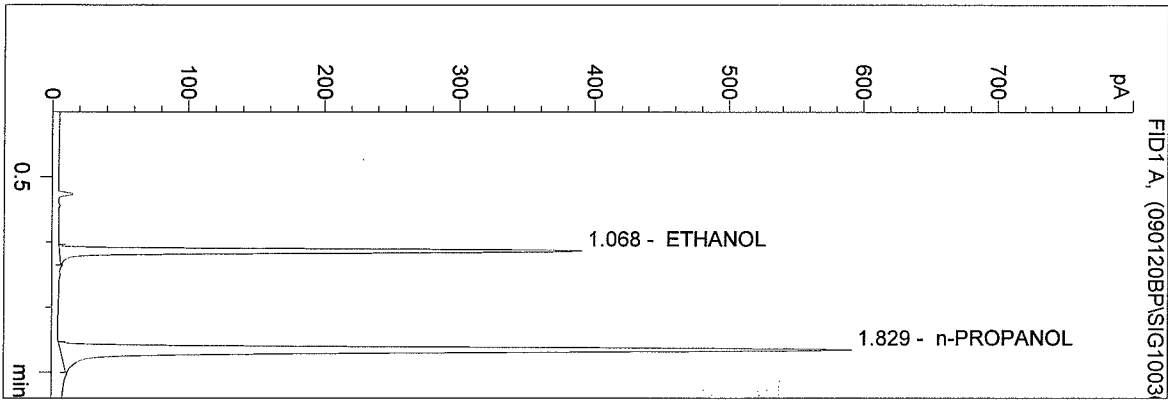
1/20/2009 10:43:00 AM

Instrument 3

db-alc2

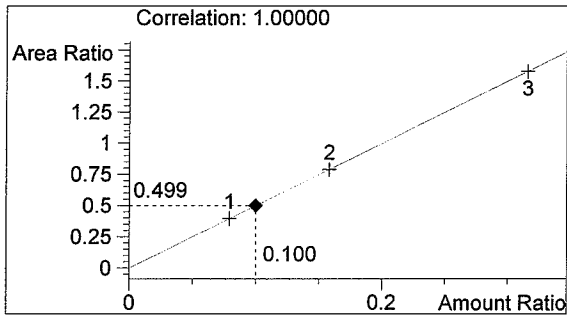
0.10 CTRL BP
Brianna Peterson

vial # 36



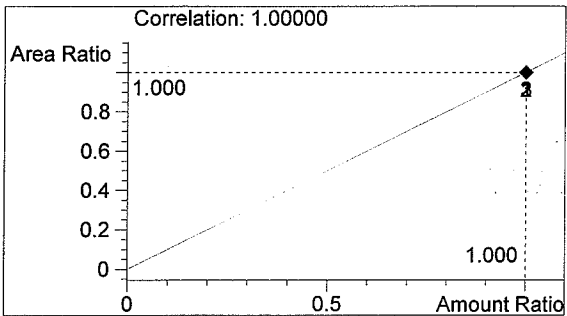
#	Compound	Area	RT
1	ETHANOL	861	1.068
2	n-PROPANOL	1726	1.829

Totals:



ETHANOL

0.100 g/100ml



n-PROPANOL

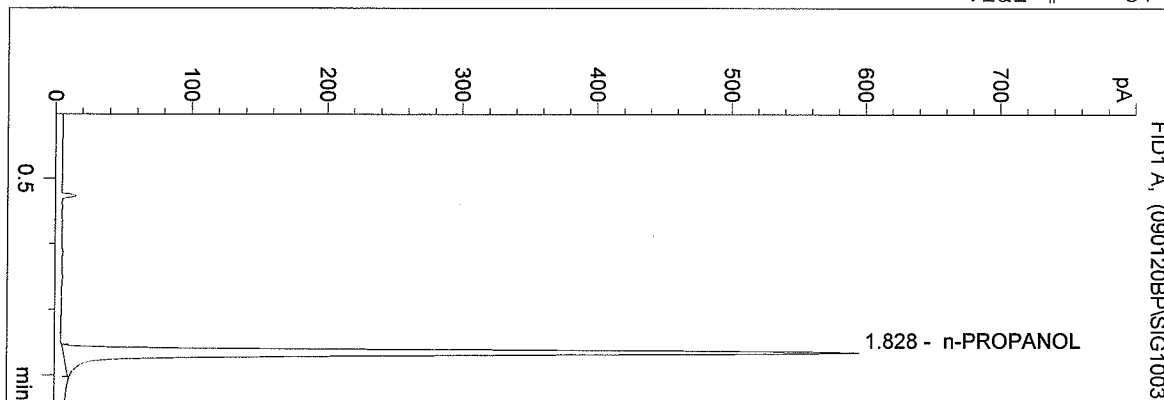
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\SIMALC.M
 1/20/2009 10:46:08 AM
 Instrument 3
 db-alc2

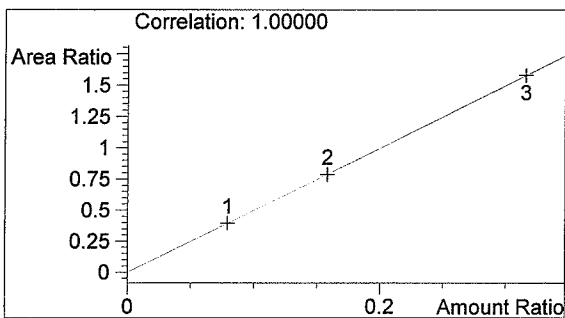
NEG CTRL BP
 Brianna Peterson

vial # 37



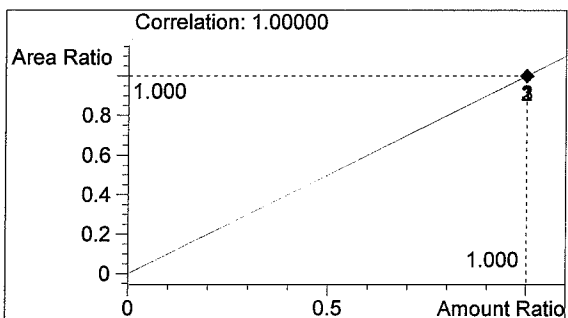
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1741	1.828

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

BP

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

1/20/2009 3:13:35 PM

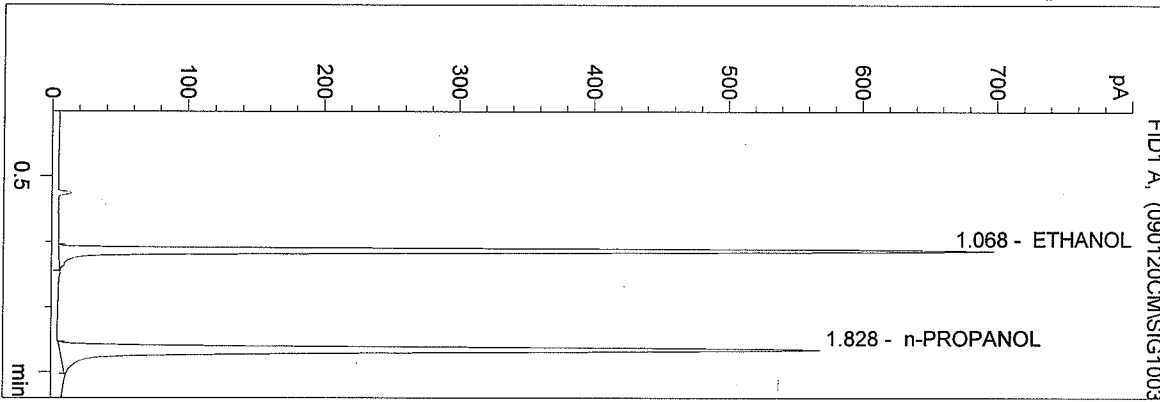
Instrument 3

db-alc2

QA09009-1

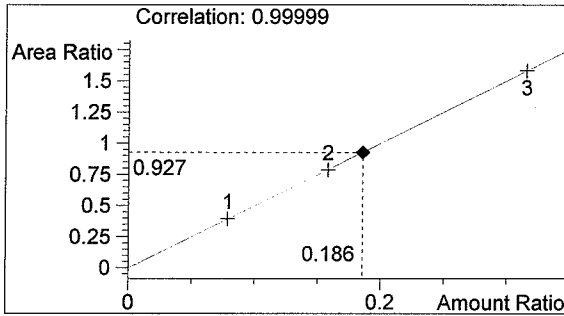
Christie Mitchell

vial # 31



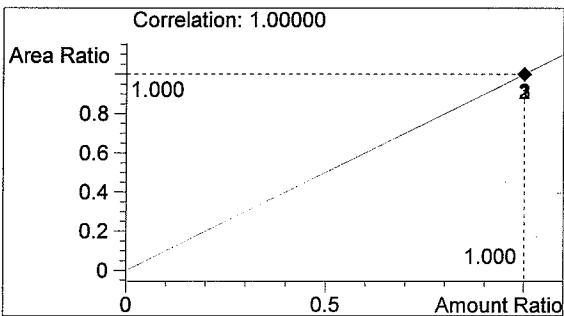
#	Compound	Area	RT
1	ETHANOL	1540	1.068
2	n-PROPANOL	1661	1.828

Totals:



ETHANOL

0.186 g/100ml



n-PROPANOL

1.000 g/100ml

CM

Calibration data with QAP 09006

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

1/20/2009 3:16:43 PM

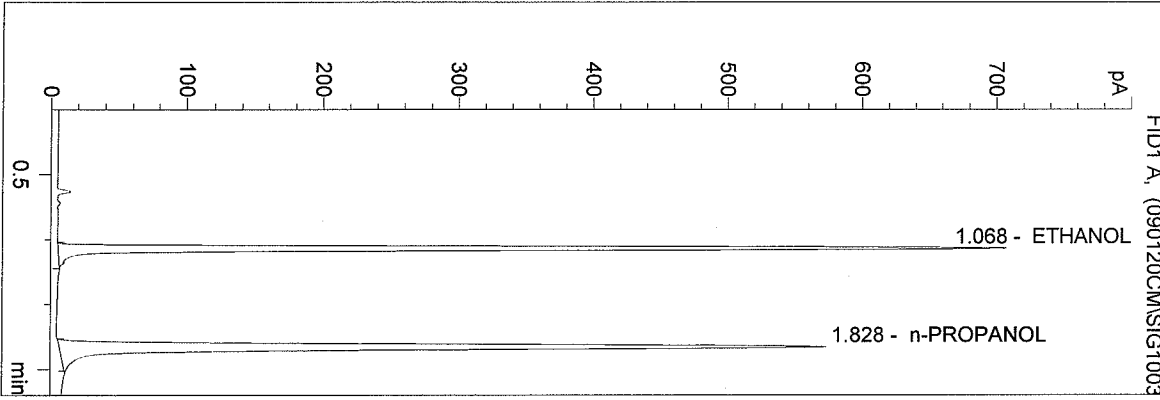
Instrument 3

db-alc2

QA09009-2

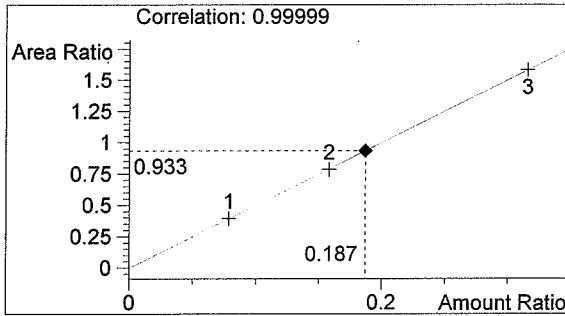
Christie Mitchell

vial # 32



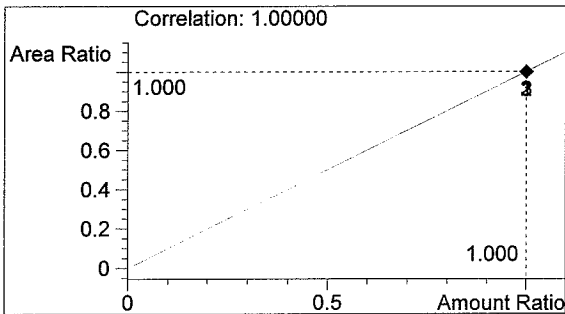
#	Compound	Area	RT
1	ETHANOL	1565	1.068
2	n-PROPANOL	1676	1.828

Totals:



ETHANOL

0.187 g/100ml



n-PROPANOL

1.000 g/100ml

CM

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

1/20/2009 3:19:50 PM

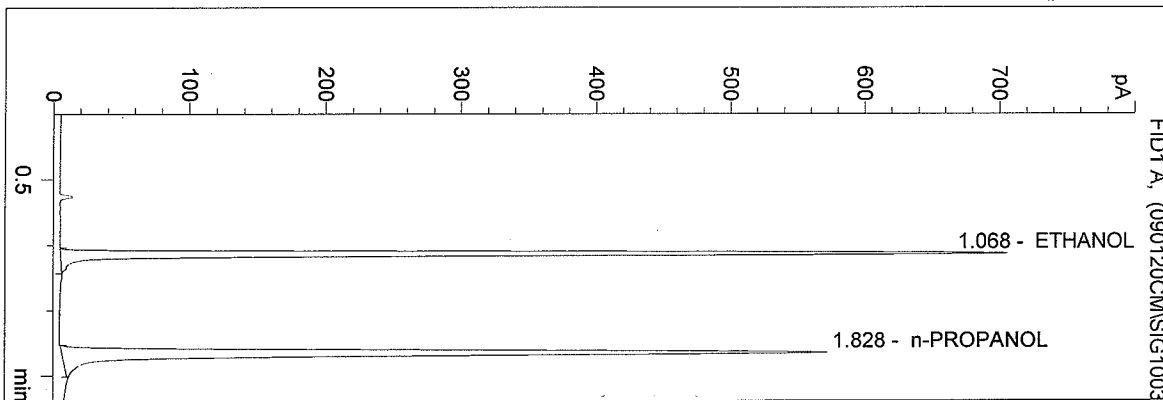
Instrument 3

db-alc2

QA09009-3

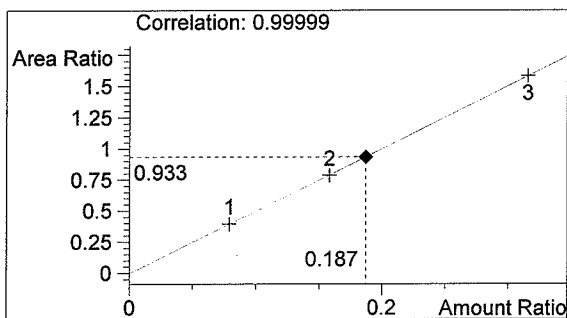
Christie Mitchell

vial # 33

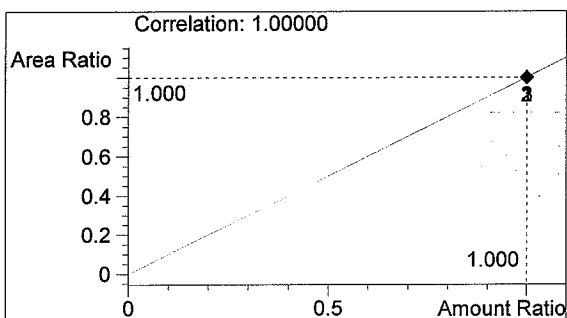


#	Compound	Area	RT
1	ETHANOL	1561	1.068
2	n-PROPANOL	1673	1.828

Totals:



0.187 g/100ml



1.000 g/100ml

CM

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

1/20/2009 3:22:58 PM

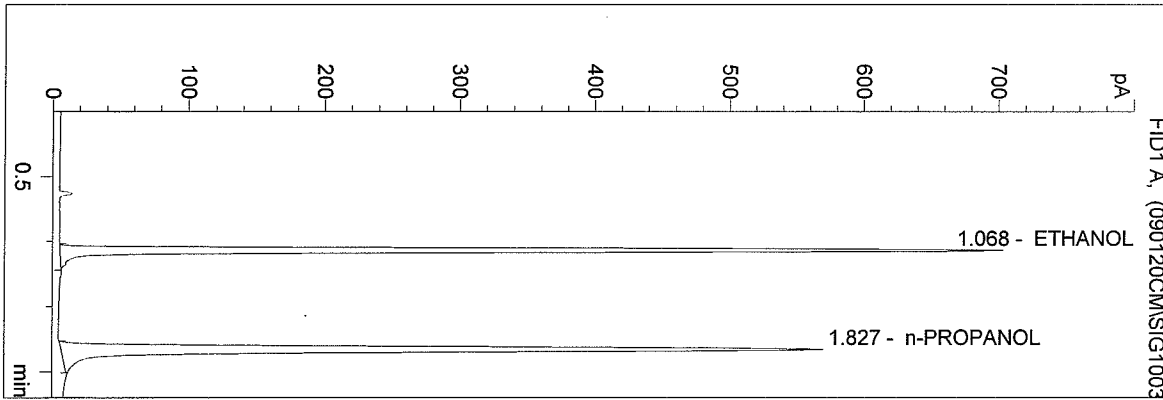
Instrument 3

db-alc2

QA09009-4

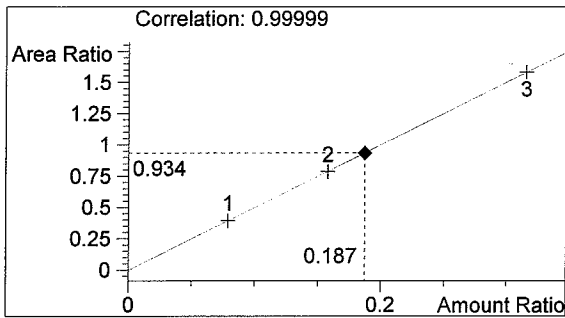
Christie Mitchell

vial # 34



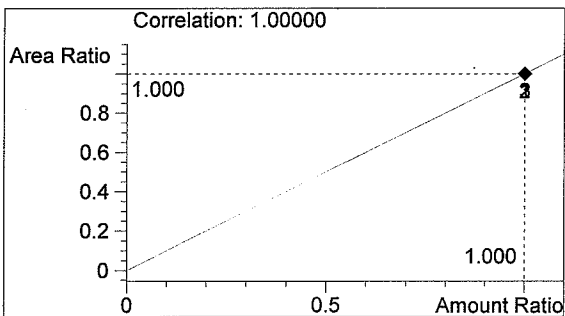
#	Compound	Area	RT
1	ETHANOL	1556	1.068
2	n-PROPANOL	1666	1.827

Totals:



ETHANOL

0.187 g/100ml



n-PROPANOL

1.000 g/100ml

CM

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

1/20/2009 3:26:06 PM

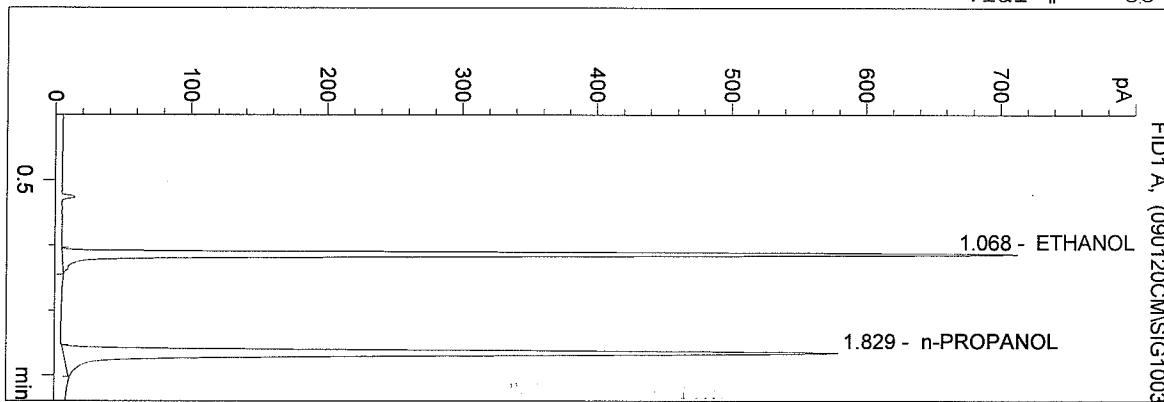
Instrument 3

db-alc2

QA09009-5

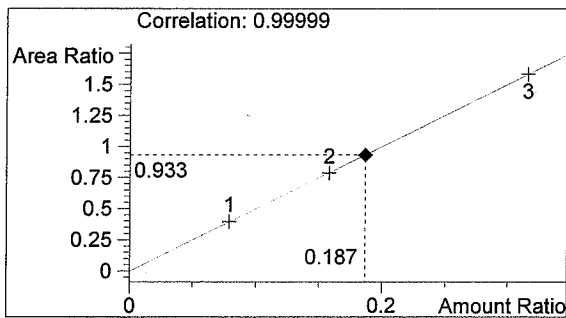
Christie Mitchell

vial # 35



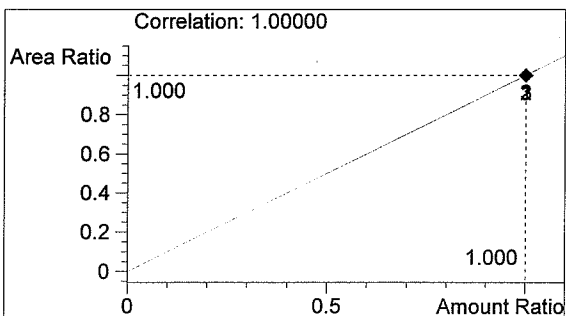
#	Compound	Area	RT
1	ETHANOL	1582	1.068
2	n-PROPANOL	1696	1.829

Totals:



ETHANOL

0.187 g/100ml



n-PROPANOL

1.000 g/100ml

CM

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

1/20/2009 3:29:13 PM

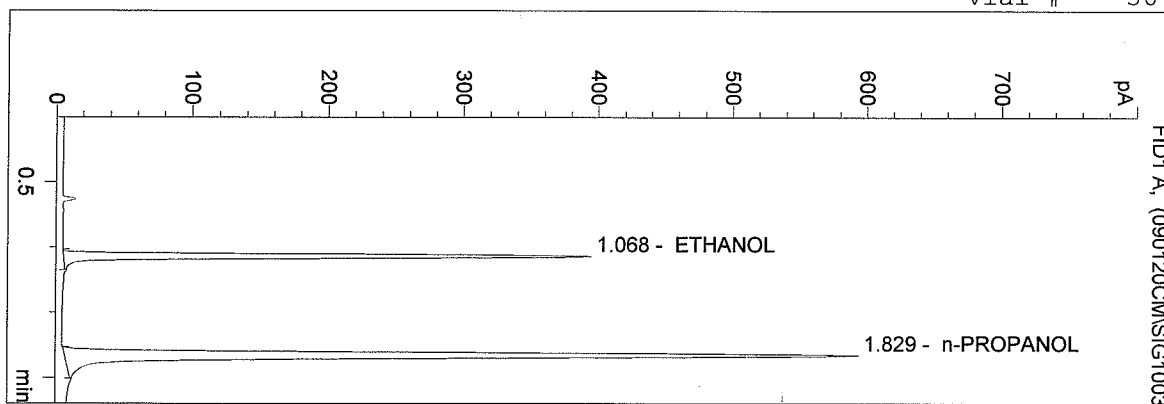
Instrument 3

db-alc2

0.10 CTRL CM

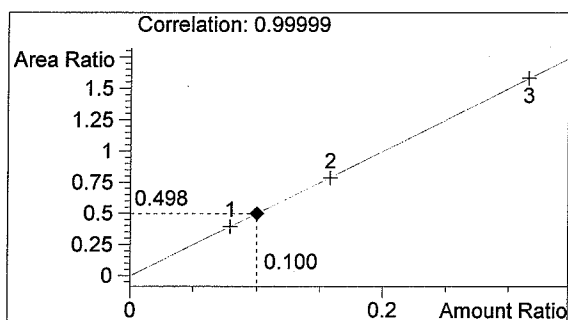
Christie Mitchell

vial # 36



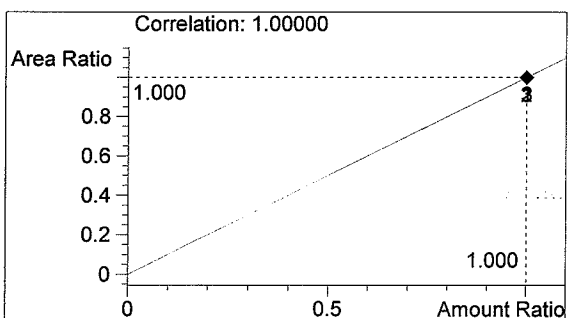
#	Compound	Area	RT
1	ETHANOL	862	1.068
2	n-PROPANOL	1730	1.829

Totals:



ETHANOL

0.100 g/100ml



n-PROPANOL

1.000 g/100ml

CM

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

1/20/2009 3:32:21 PM

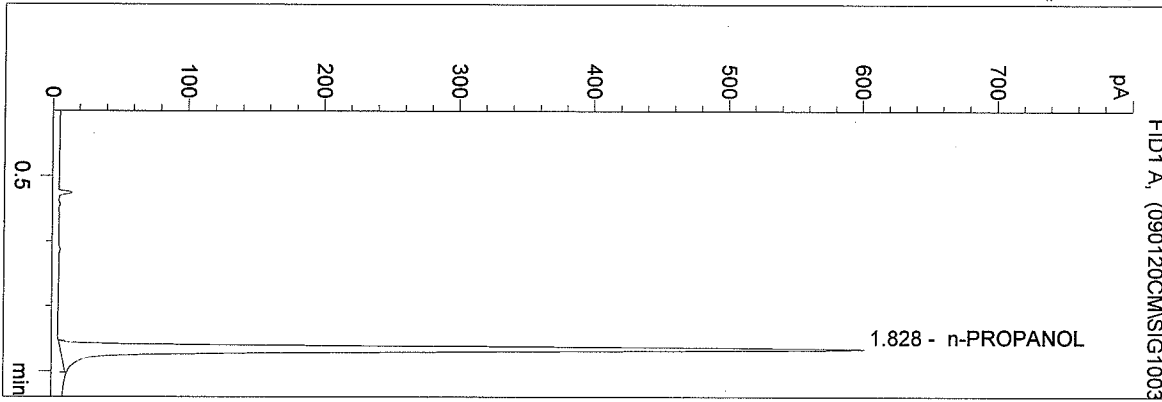
Instrument 3

db-alc2

NEG CTRL CM

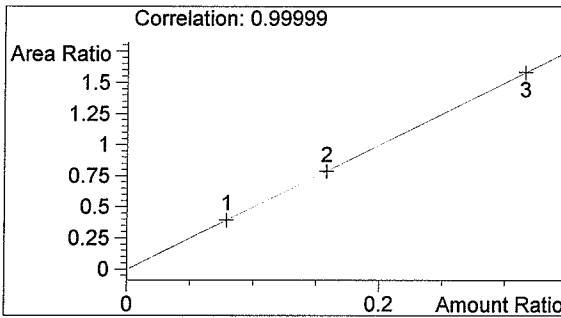
Christie Mitchell

vial # 37



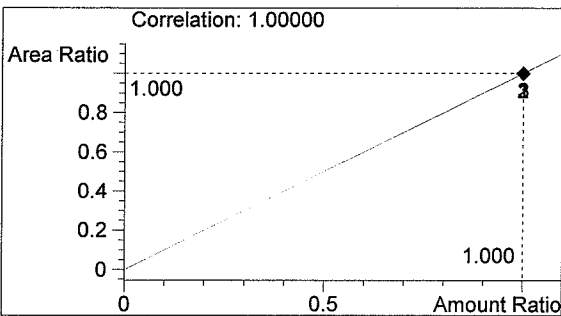
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1756	1.828

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

CM

QAP SOLUTION PREPARATION WORKSHEET

Batch #: 09006, 09007, 09008, 09009

Preparer: Rebecca Flaherty

Date Prepared: 01.13.2009

Expiration Date: 01.13.2010

Lot 200 Proof (100%) Ethanol Used: X03073

Date 200 Proof Ethanol Opened: 01/13/2009
(Ethanol standard is approved for use for 6 months after opening unless an extension is approved by the State Toxicologist.)

Environmental Conditions Checked

Vapor Concentration of QAP	Amount of Ethanol	Amount of Deionized Water	
0.04	11.2 mL	18 L	<input checked="" type="checkbox"/>
0.08	22.4 mL	18 L	<input checked="" type="checkbox"/>
0.1	28.1 mL	18 L	<input checked="" type="checkbox"/>
0.15	42.0 mL	18 L	<input checked="" type="checkbox"/>

Stir Bar is Rotating

Stirred for at least 30 minutes

Spigot Purged

Aliquot Taken

Batch Labeled Packaged and Sealed 01/13/2009
Date

Rebecca Flaherty
Analyst

01/13/2009
Date