

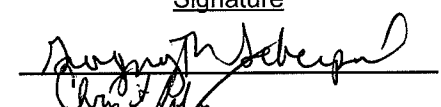
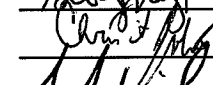

WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION

QAP Solution Calibration Certificate

Batch Number: 08045 Target Vapor Concentration: 0.15 g/210L
 Prepared By: Gwynyth Scherperel Date Prepared: 10/2/2008

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

	GS	CSJ	SS
1	0.184	0.191	0.186
2	0.186	0.188	0.187
3	0.185	0.188	0.186
4	0.185	0.191	0.188
5	0.184	0.191	0.186
C	0.099	0.103	0.099


<u>Analyst</u>	<u>Name</u>	<u>Signature</u>	<u>Date Tested</u>
GS	Gwynyth Scherperel		10/2/2008
CSJ	Christopher S. Johnston		10/6/2008
SS	Sarah M. Swenson		10/7/2008

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.	0.1871	g/100mL	Precision CV (%)	1.29
Std. Deviation (SD)	0.00240		Number of Tests (N)	15
Range (3.8xSD)	0.1779	to 0.1962	Equivalent Vapor Conc.	0.1521 g/210L

Final Review by:  Review/Issue Date: 11-14-08

**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: 08045

	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

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		
Brianne Akins		
Brittany Ball		
Christie Mitchell		
Christopher Johnston	CW	11/6/08
Estuardo Miranda		
Gwynyth Scherperel	GS	11/6/08
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson	SMS	11/6/08

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 08045**

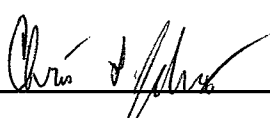
I, Christopher S. Johnston, do certify under penalty of perjury that:

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 Biochemistry.

The qap solution, Lot Number 08045, was prepared in the Washington State Toxicology Laboratory on 10/2/2008. 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 10/2/2009.

Seattle, WA



Christopher S. Johnston 11/6/08
Forensic Toxicologist Date

CSJ/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 08045**

I, Gwynyth Scherperel, 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 degrees in Chemistry and Forensic Science.

The qap solution, Lot Number 08045, was prepared in the Washington State Toxicology Laboratory on 10/2/2008. 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 10/2/2009.

Seattle, WA

 11/16/08

Gwynyth Scherperel

Date

Forensic Toxicologist

GS/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 08045**

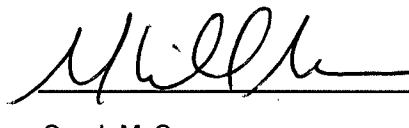
I, Sarah M. Swenson, do certify under penalty of perjury that:

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 and over five years of experience in forensic toxicology.

The qap solution, Lot Number 08045, was prepared in the Washington State Toxicology Laboratory on 10/2/2008. 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 10/2/2009.

Seattle, WA

 11/6/08

Sarah M. Swenson

Date

Forensic Toxicologist

SS/ik



Sequence Parameters:

Operator: Gwynyth Scherperel

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: 081002GS

Part of Methods to run: According to Runtime Checklist

Barcode Reader: not used

Shutdown Cmd/Macro: none

Sequence Comment:
0.04 Control - Lot # A056758 - exp 03/2012
0.10 Control - Lot # A056938 - exp 04/2012
0.20 Control - Lot # A055525 - exp 02/2012

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	SIMALC	1	Calib		
3	Vial 3	0.158 CAL	SIMALC	1	Calib		
4	Vial 4	0.316 CAL	SIMALC	1	Calib		
5	Vial 5	NEG CONTROL-GS	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-GS	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-GS	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-GS	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-GS	SIMALC	1	Ctrl Samp		
10	Vial 10	08042 #1	SIMALC	1	Sample		
11	Vial 11	08042 #2	SIMALC	1	Sample		
12	Vial 12	08042 #3	SIMALC	1	Sample		
13	Vial 13	08042 #4	SIMALC	1	Sample		
14	Vial 14	08042 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CONTROL-GS	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-GS	SIMALC	1	Ctrl Samp		
17	Vial 17	08043 #1	SIMALC	1	Sample		
18	Vial 18	08043 #2	SIMALC	1	Sample		
19	Vial 19	08043 #3	SIMALC	1	Sample		
20	Vial 20	08043 #4	SIMALC	1	Sample		
21	Vial 21	08043 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CONTROL-GS	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CONTROL-GS	SIMALC	1	Ctrl Samp		
24	Vial 24	08044 #1	SIMALC	1	Sample		
25	Vial 25	08044 #2	SIMALC	1	Sample		
26	Vial 26	08044 #3	SIMALC	1	Sample		
27	Vial 27	08044 #4	SIMALC	1	Sample		
28	Vial 28	08044 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CONTROL-GS	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CONTROL-GS	SIMALC	1	Ctrl Samp		
31	Vial 31	08045 #1	SIMALC	1	Sample		
32	Vial 32	08045 #2	SIMALC	1	Sample		

GS
GS

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	08045 #3	SIMALC	1	Sample		
34	Vial 34	08045 #4	SIMALC	1	Sample		
35	Vial 35	08045 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CONTROL-GS	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CONTROL-GS	SIMALC	1	Ctrl Samp		

Sequence Table (Back Injector):

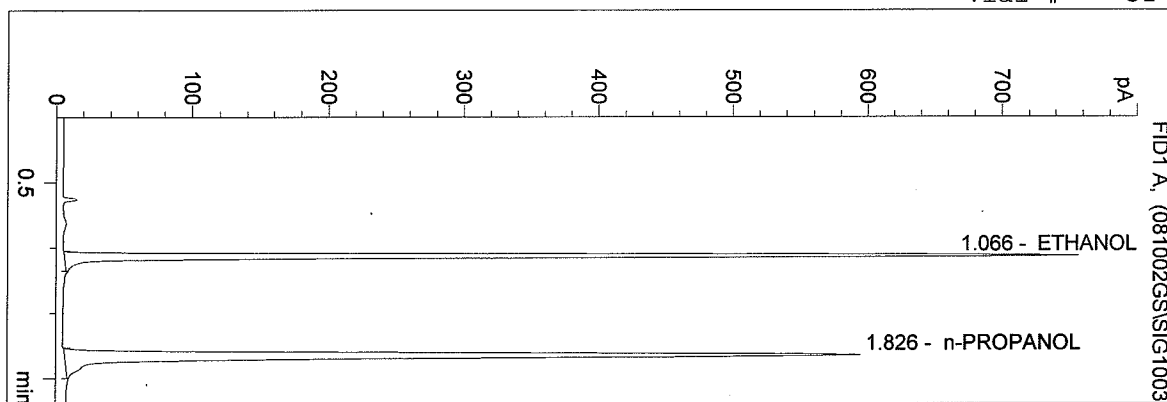
No entries - empty table!

GS 85

C:\HPCHEM\2\METHODS\SIMALC.M
 10/2/2008 12:58:05 PM
 Instrument 3
 db-alc2

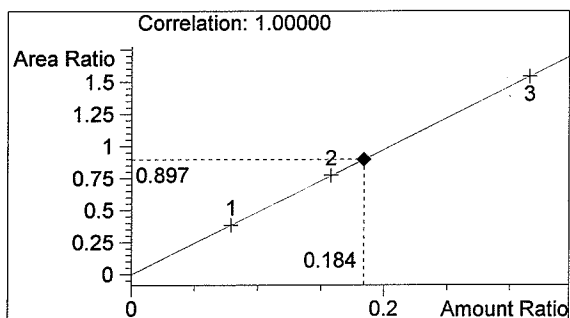
08045 #1
 Gwynyth Scherperel

vial # 31



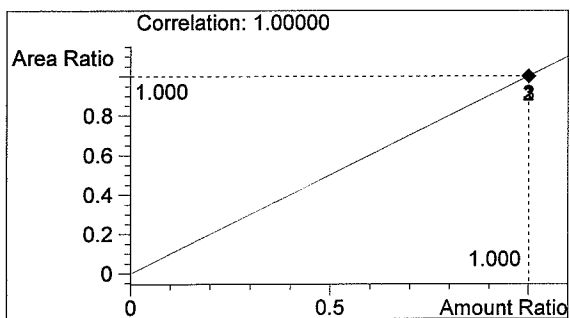
#	Compound	Area	RT
1	ETHANOL	1488	1.066
2	n-PROPANOL	1658	1.826

Totals:



ETHANOL

0.184 g/100ml



n-PROPANOL

1.000 g/100ml

GS

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

10/2/2008 1:01:12 PM

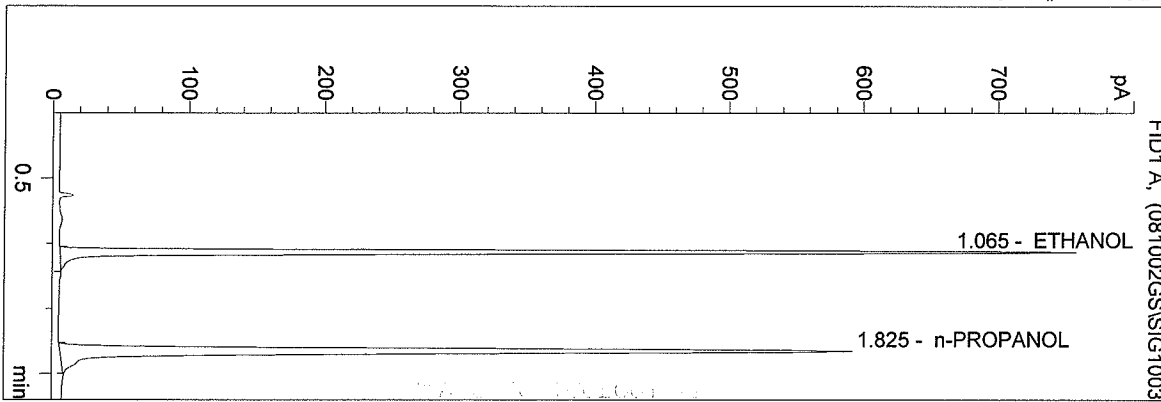
Instrument 3

db-alc2

08045 #2

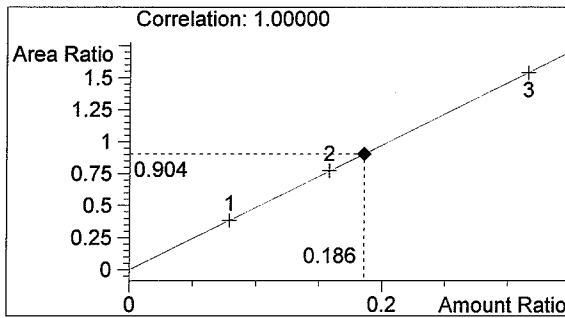
Gwynyth Scherperel

vial # 32



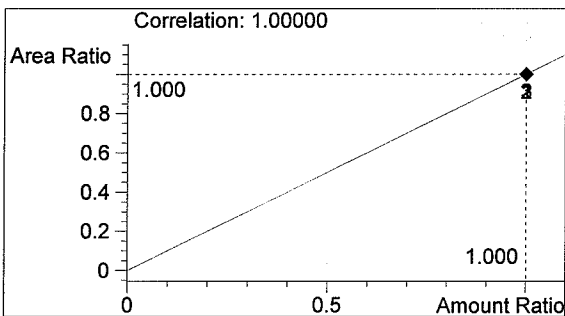
#	Compound	Area	RT
1	ETHANOL	1493	1.065
2	n-PROPANOL	1651	1.825

Totals:



ETHANOL

0.186 g/100ml



n-PROPANOL

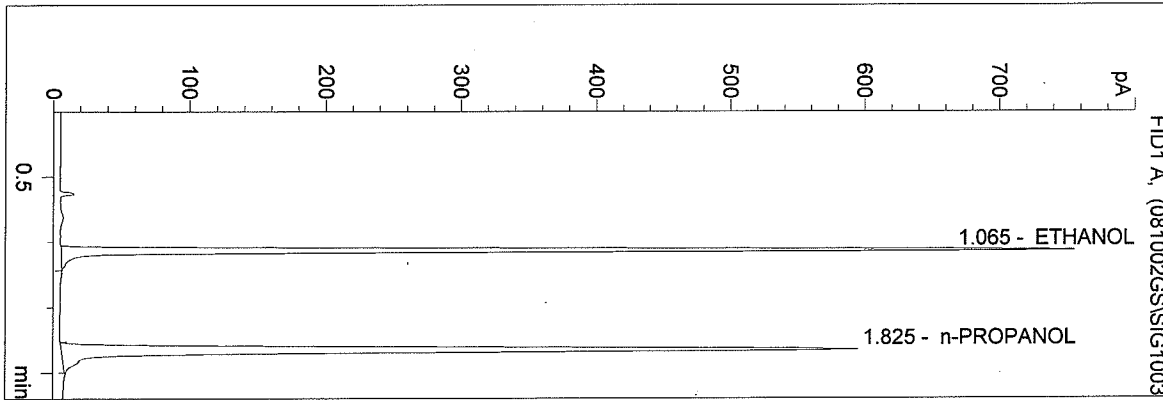
1.000 g/100ml

65

C:\HPCHEM\2\METHODS\SIMALC.M
 10/2/2008 1:04:19 PM
 Instrument 3
 db-alc2

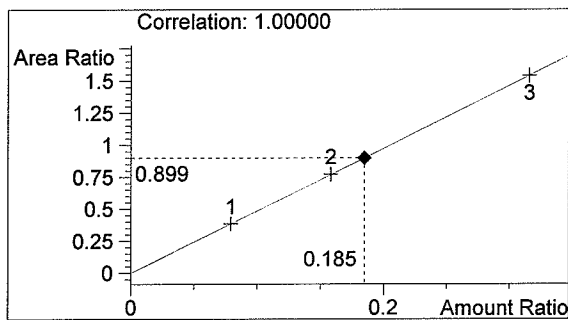
08045 #3
 Gwynyth Scherperel

vial # 33

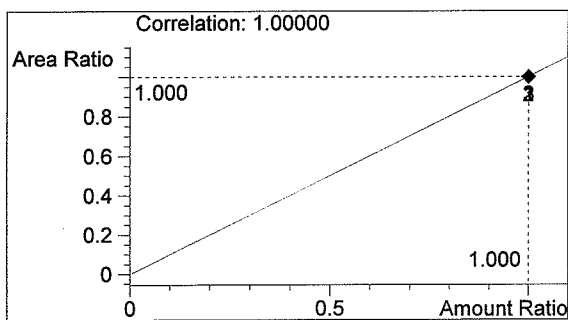


#	Compound	Area	RT
1	ETHANOL	1493	1.065
2	n-PROPANOL	1661	1.825

Totals:



0.185 g/100ml

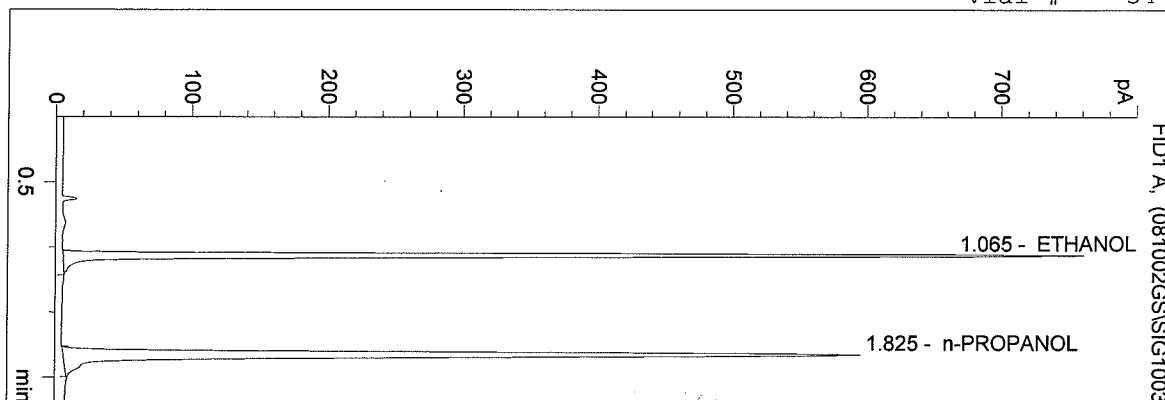


1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M
 10/2/2008 1:07:26 PM
 Instrument 3
 db-alc2

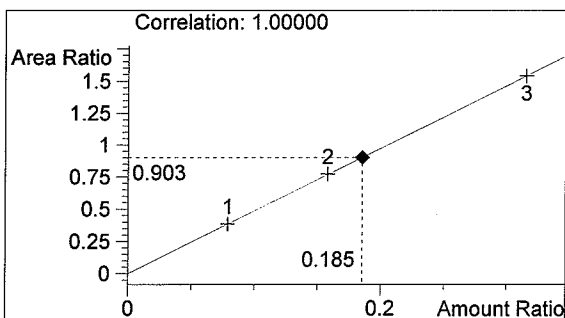
08045 #4
 Gwynyth Scherperel

vial # 34



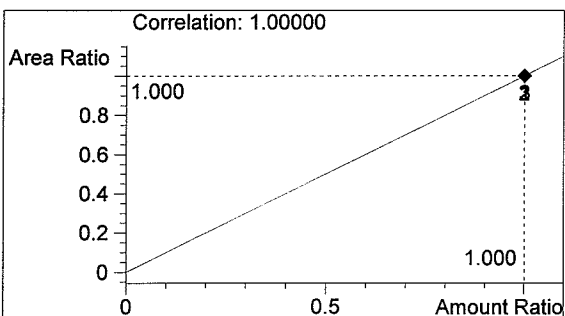
#	Compound	Area	RT
1	ETHANOL	1503	1.065
2	n-PROPANOL	1664	1.825

Totals:



ETHANOL

0.185 g/100ml



n-PROPANOL

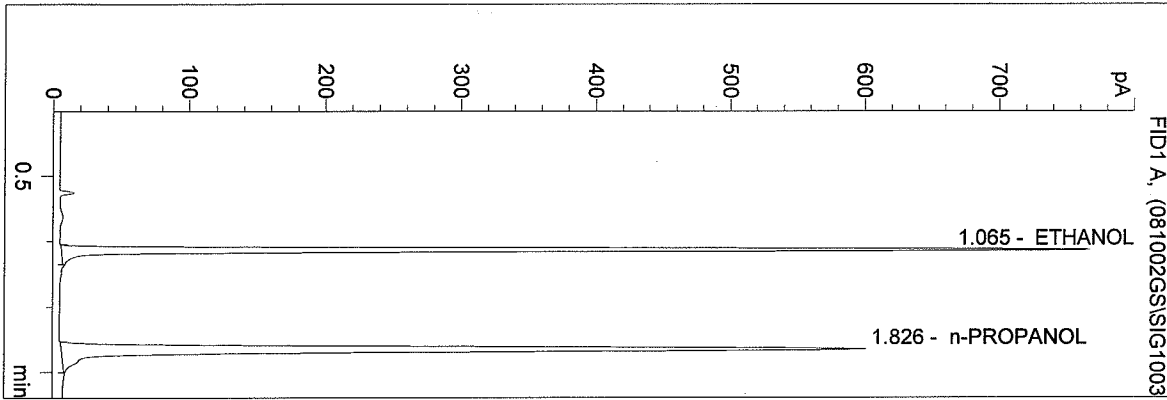
1.000 g/100ml

GS

C:\HPCHEM\2\METHODS\SIMALC.M
 10/2/2008 1:10:34 PM
 Instrument 3
 db-alc2

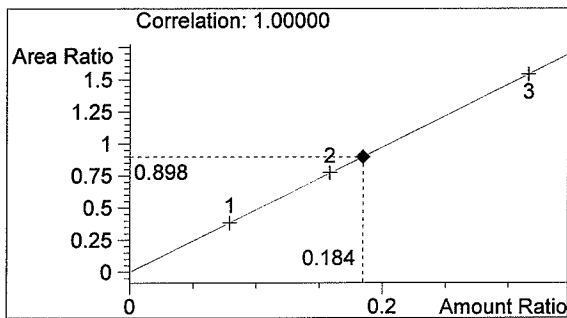
08045 #5
 Gwynyth Scherperel

vial # 35



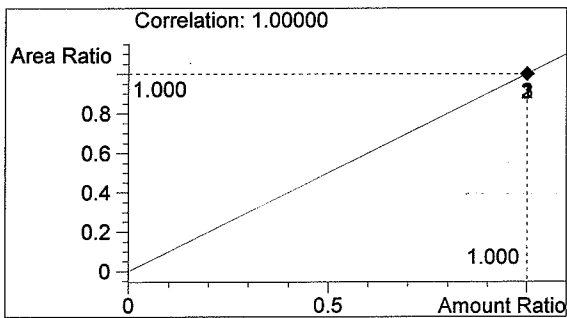
#	Compound	Area	RT
1	ETHANOL	1504	1.065
2	n-PROPANOL	1675	1.826

Totals:



ETHANOL

0.184 g/100ml



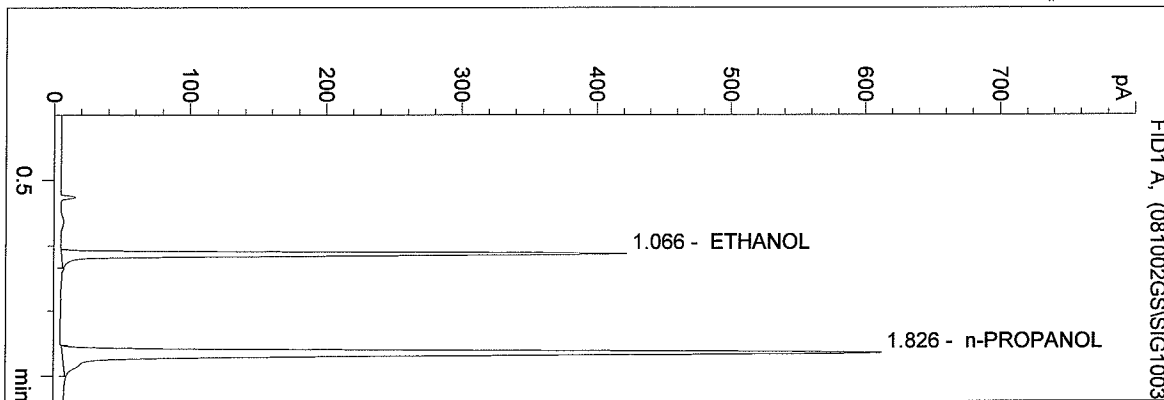
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\SIMALC.M
 10/2/2008 1:13:41 PM
 Instrument 3
 db-alc2

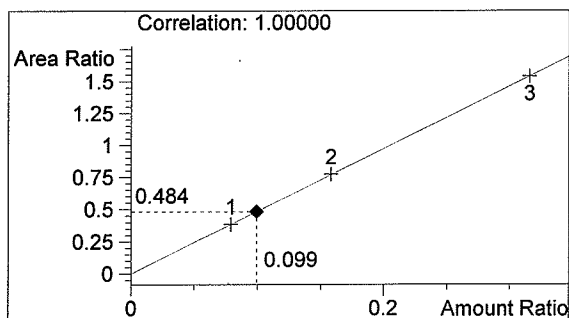
0.10 CONTROL-GS
 Gwynyth Scherperel

vial # 36



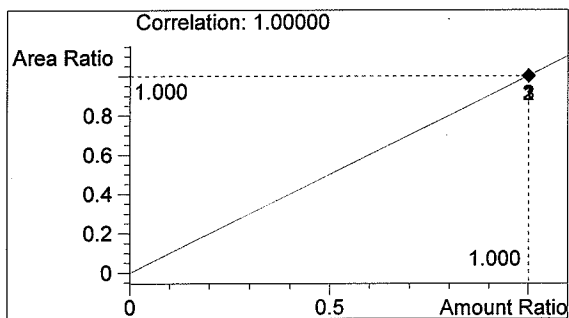
#	Compound	Area	RT
1	ETHANOL	827	1.066
2	n-PROPANOL	1709	1.826

Totals:



ETHANOL

0.099 g/100ml



n-PROPANOL

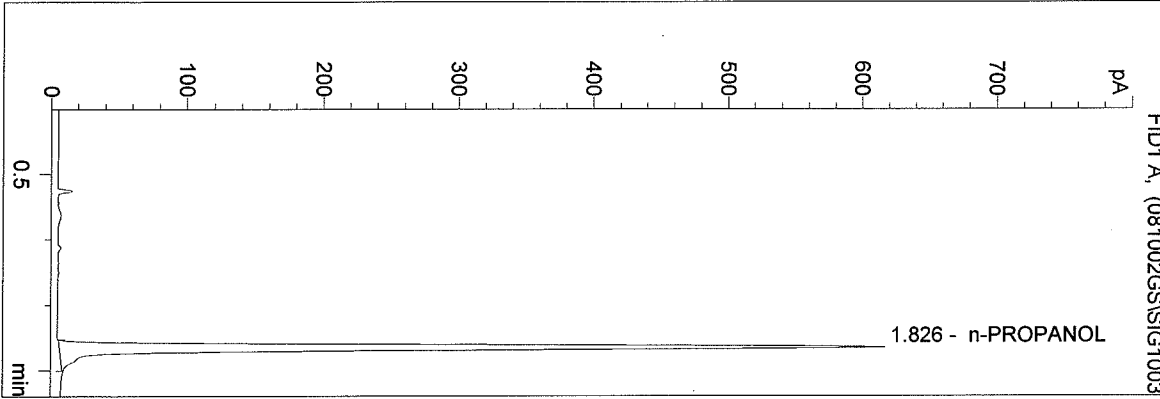
1.000 g/100ml

65

C:\HPCHEM\2\METHODS\SIMALC.M
 10/2/2008 1:16:48 PM
 Instrument 3
 db-alc2

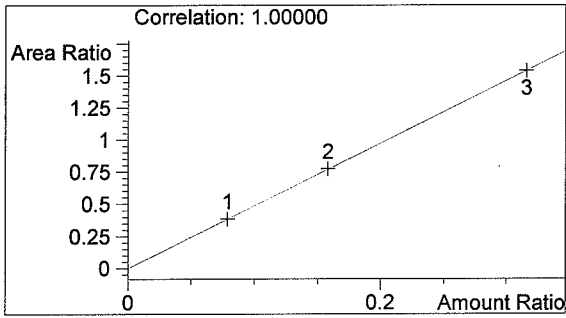
NEG CONTROL-GS
 Gwynyth Scherperel

vial # 37



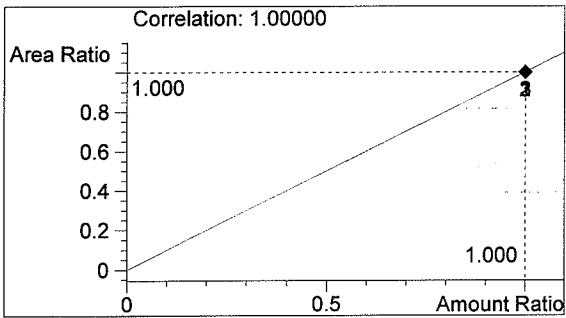
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1720	1.826

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

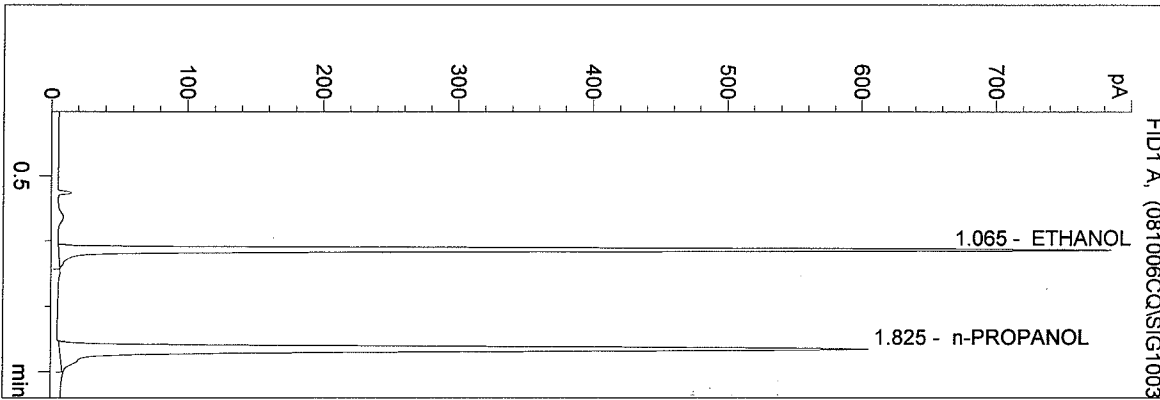
1.000 g/100ml

GS

C:\HPCHEM\2\METHODS\SIMALC.M
 10/6/2008 5:48:17 PM
 Instrument 3
 db-alc2

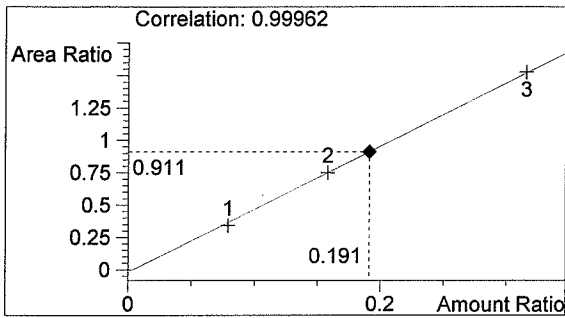
08045 #1
 Chris Johnston

vial # 31



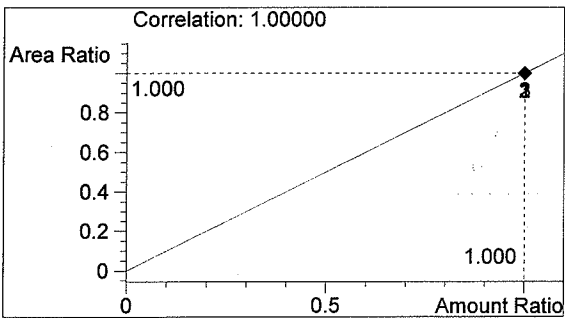
#	Compound	Area	RT
1	ETHANOL	1539	1.065
2	n-PROPANOL	1689	1.825

Totals:



ETHANOL

0.191 g/100ml



n-PROPANOL

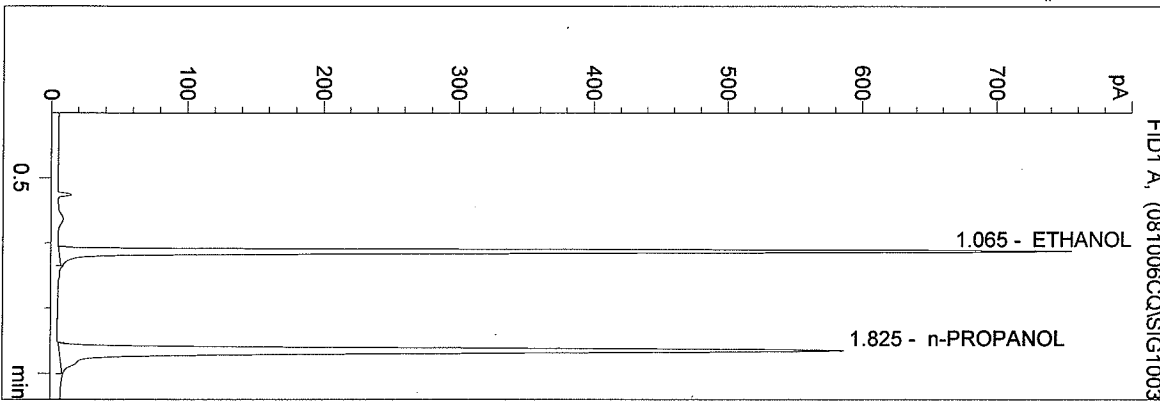
1.000 g/100ml

2

C:\HPCHEM\2\METHODS\SIMALC.M
 10/6/2008 5:51:24 PM
 Instrument 3
 db-alc2

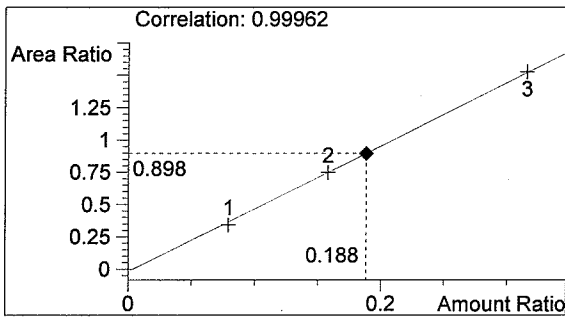
08045 #2
 Chris Johnston

vial # 32

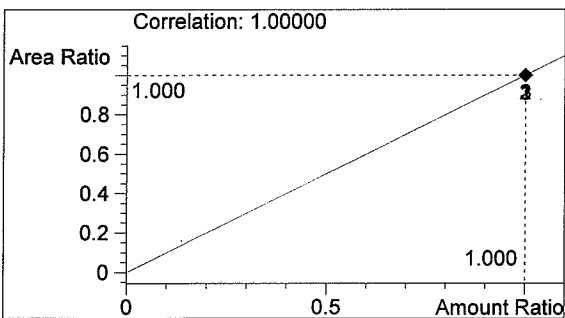


#	Compound	Area	RT
1	ETHANOL	1474	1.065
2	n-PROPANOL	1642	1.825

Totals:



0.188 g/100ml



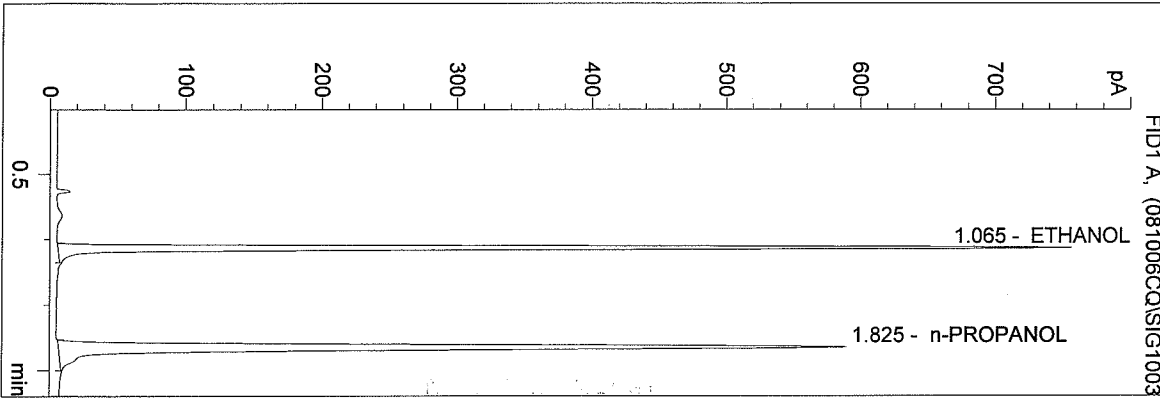
1.000 g/100ml

0

C:\HPCHEM\2\METHODS\SIMALC.M
 10/6/2008 5:54:31 PM
 Instrument 3
 db-alc2

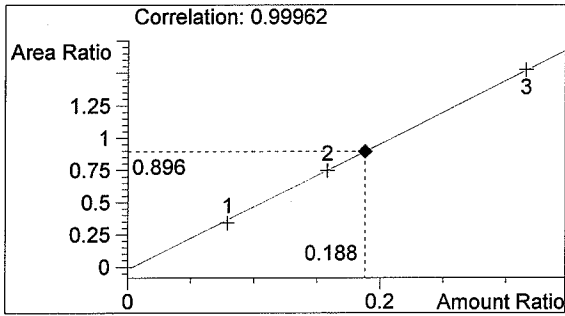
08045 #3
 Chris Johnston

vial # 33



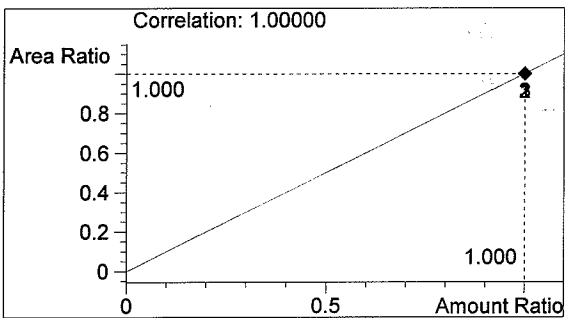
#	Compound	Area	RT
1	ETHANOL	1477	1.065
2	n-PROPANOL	1648	1.825

Totals:



ETHANOL

0.188 g/100ml



n-PROPANOL

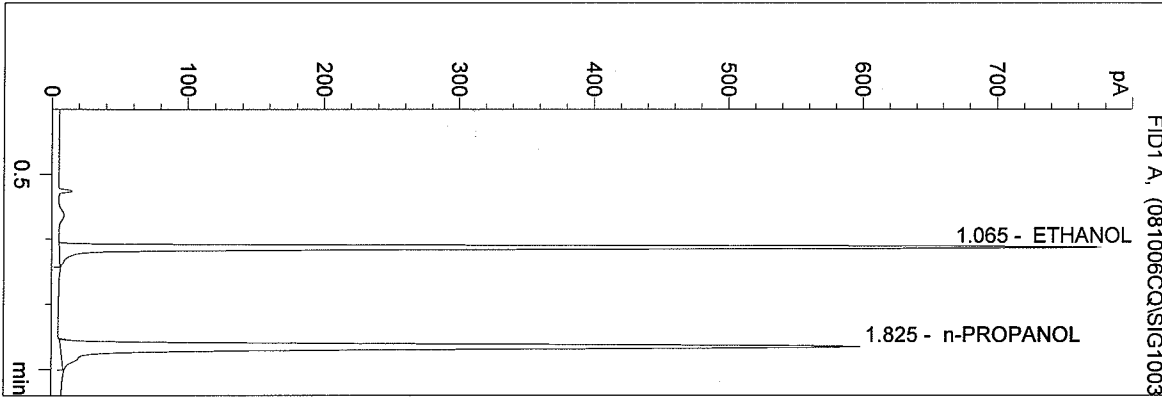
1.000 g/100ml

u

C:\HPCHEM\2\METHODS\SIMALC.M
 10/6/2008 5:57:39 PM
 Instrument 3
 db-alc2

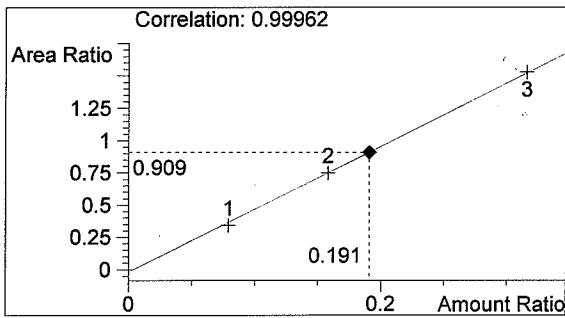
08045 #4
 Chris Johnston

vial # 34

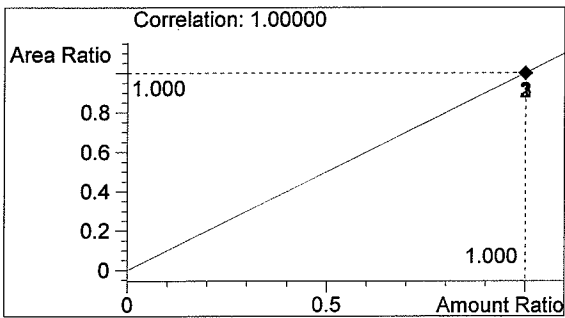


#	Compound	Area	RT
1	ETHANOL	1518	1.065
2	n-PROPANOL	1670	1.825

Totals:



0.191 g/100ml



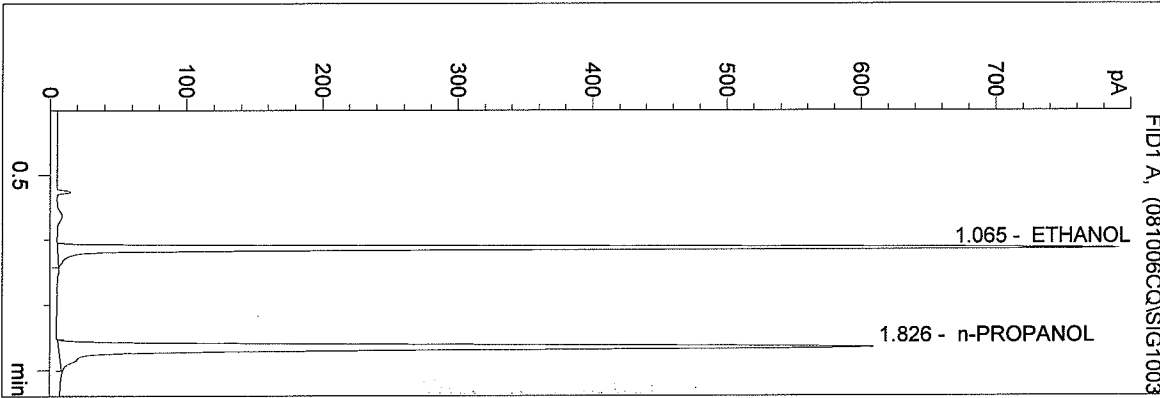
1.000 g/100ml

CJ

C:\HPCHEM\2\METHODS\SIMALC.M
 10/6/2008 6:00:45 PM
 Instrument 3
 db-alc2

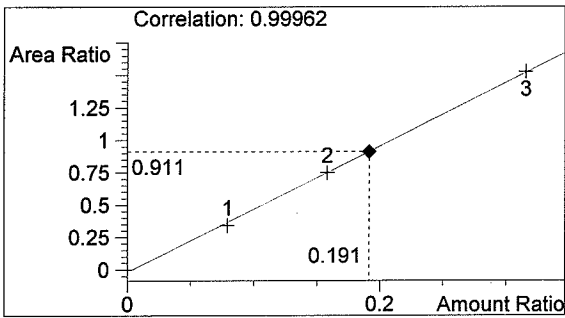
08045 #5
 Chris Johnston

vial # 35



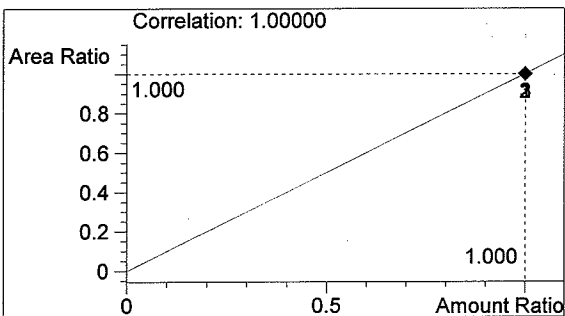
#	Compound	Area	RT
1	ETHANOL	1555	1.065
2	n-PROPANOL	1706	1.826

Totals:



ETHANOL

0.191 g/100ml



n-PROPANOL

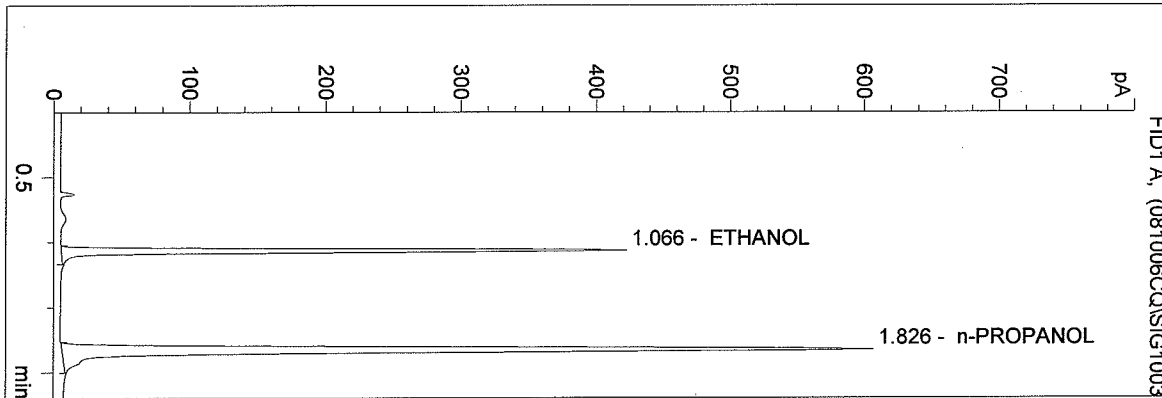
1.000 g/100ml

C

C:\HPCHEM\2\METHODS\SIMALC.M
 10/6/2008 6:03:52 PM
 Instrument 3
 db-alc2

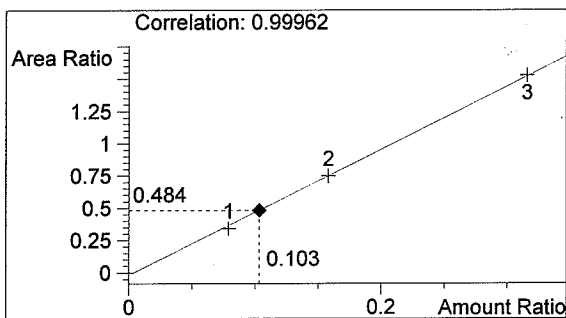
0.10 CONTROL-CJ
 Chris Johnston

vial # 36

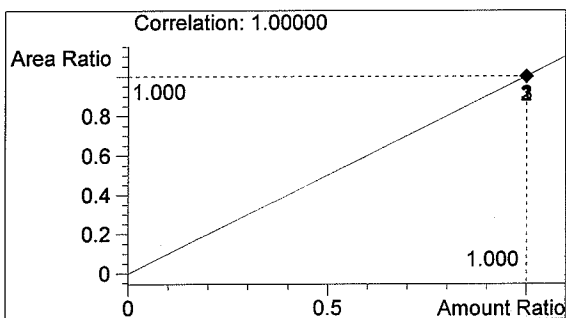


#	Compound	Area	RT
1	ETHANOL	821	1.066
2	n-PROPANOL	1698	1.826

Totals:



0.103 g/100ml



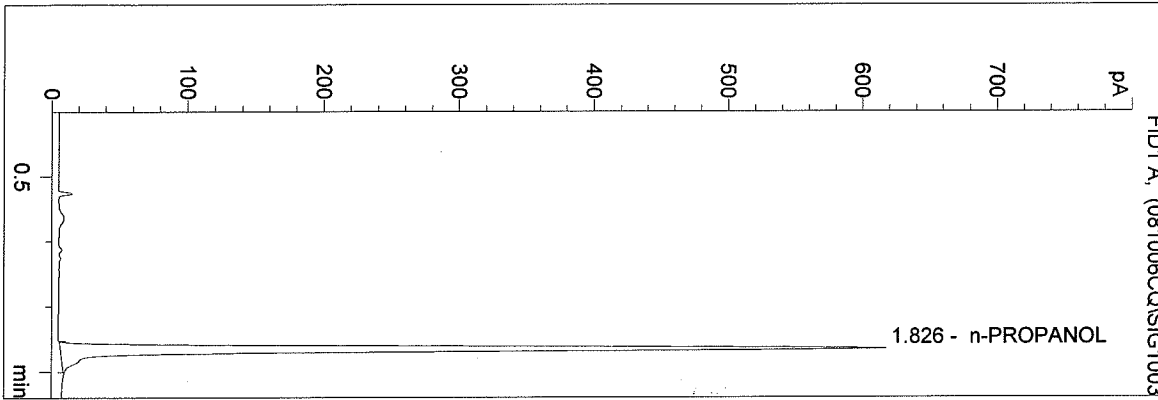
1.000 g/100ml

2

C:\HPCHEM\2\METHODS\SIMALC.M
 10/6/2008 6:06:59 PM
 Instrument 3
 db-alc2

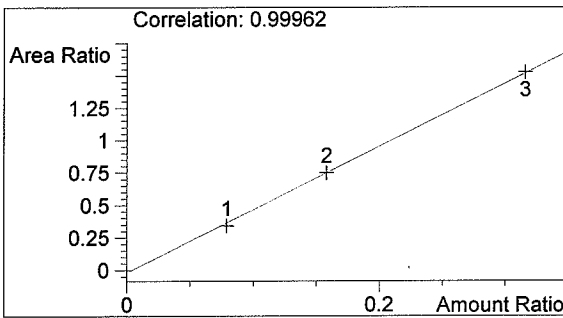
NEG CONTROL-CJ
 Chris Johnston

vial # 37



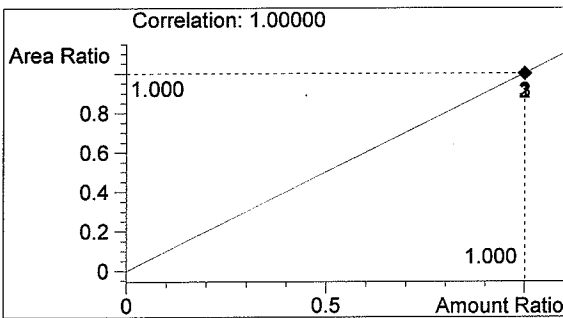
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1726	1.826

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

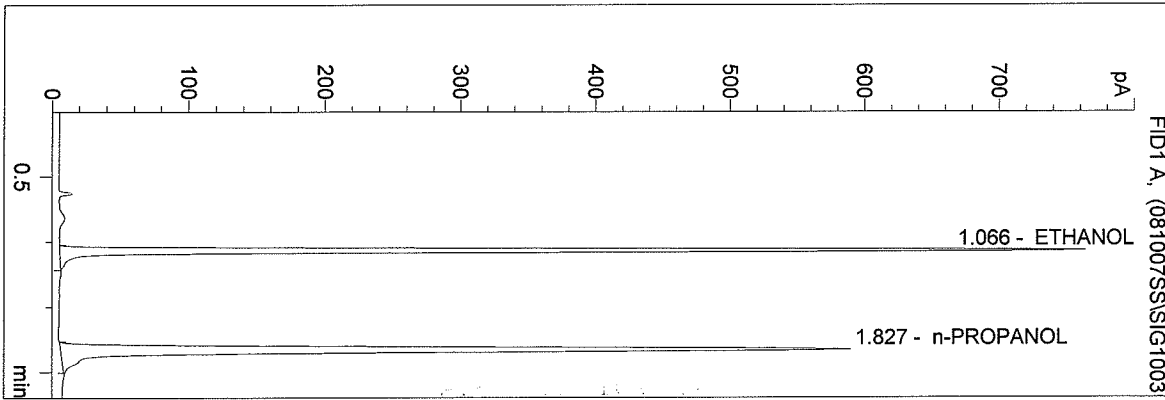
1.000 g/100ml

2

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 10/7/2008 11:18:22 AM
 Instrument 3
 db-alc2

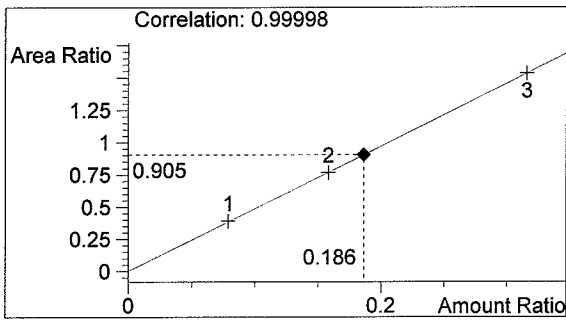
08045 #1
 SARAH SWENSON

vial # 31



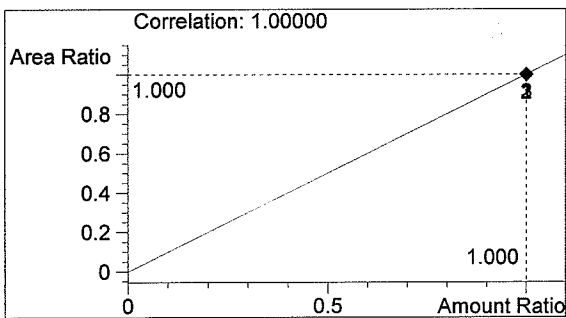
#	Compound	Area	RT
1	ETHANOL	1493	1.066
2	n-PROPANOL	1651	1.827

Totals:



ETHANOL

0.186 g/100ml



n-PROPANOL

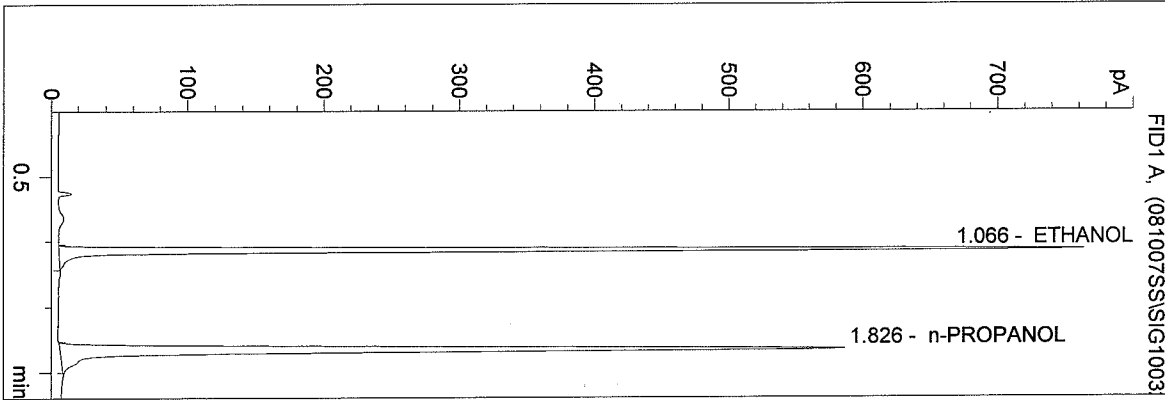
1.000 g/100ml

SMS

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 10/7/2008 11:21:29 AM
 Instrument 3
 db-alc2

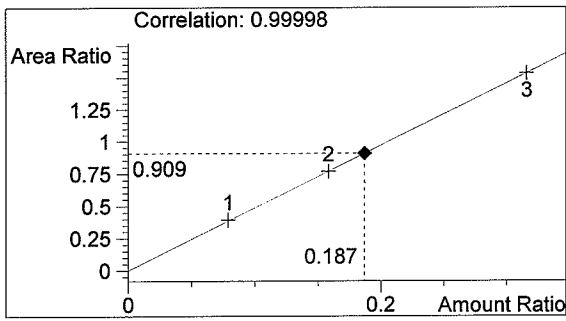
08045 #2
 SARAH SWENSON

vial # 32



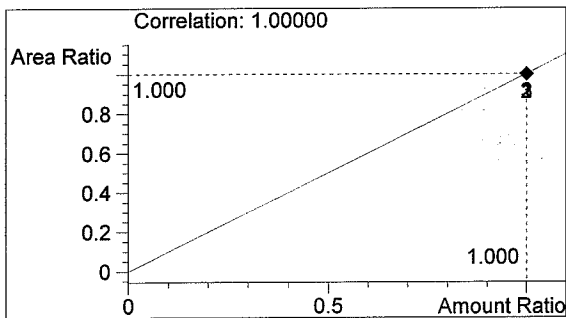
#	Compound	Area	RT
1	ETHANOL	1495	1.066
2	n-PROPANOL	1644	1.826

Totals:



ETHANOL

0.187 g/100ml



n-PROPANOL

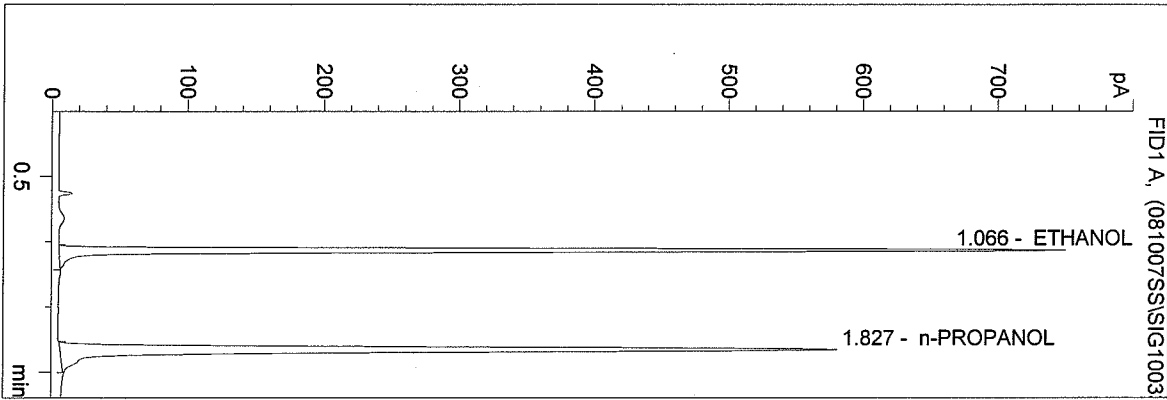
1.000 g/100ml

SMS

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 10/7/2008 11:24:36 AM
 Instrument 3
 db-alc2

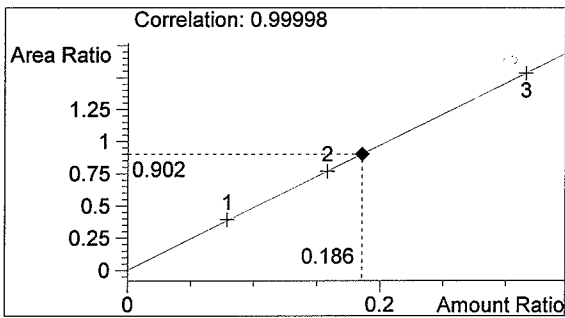
08045 #3
 SARAH SWENSON

vial # 33



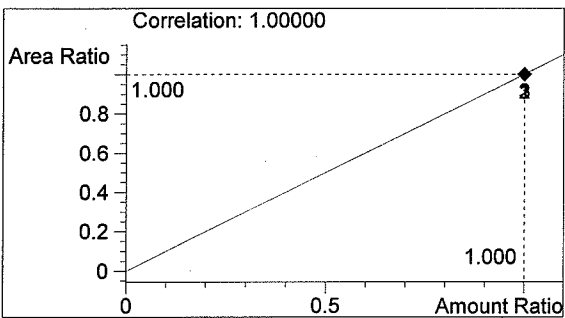
#	Compound	Area	RT
1	ETHANOL	1470	1.066
2	n-PROPANOL	1629	1.827

Totals:



ETHANOL

0.186 g/100ml



n-PROPANOL

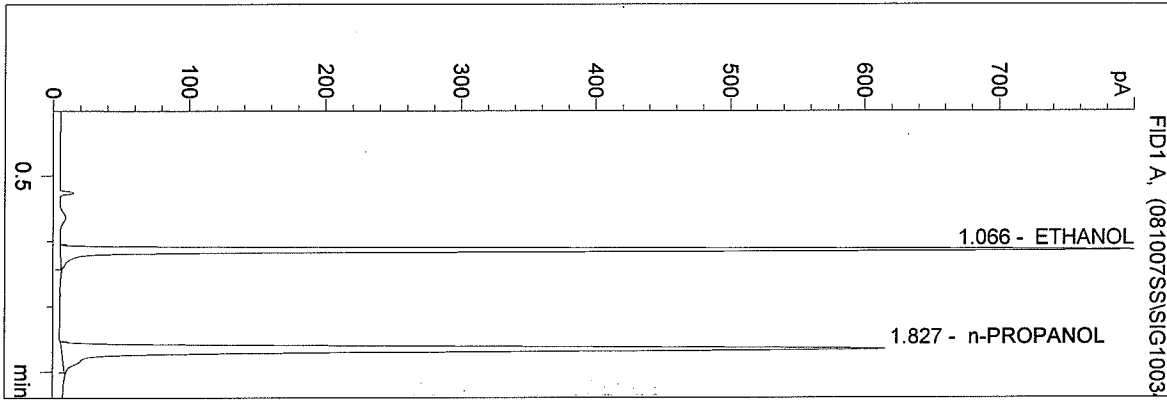
1.000 g/100ml

SMS

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 10/7/2008 11:27:43 AM
 Instrument 3
 db-alc2

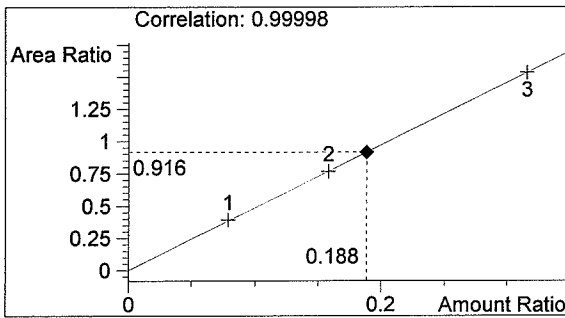
08045 #4
 SARAH SWENSON

vial # 34



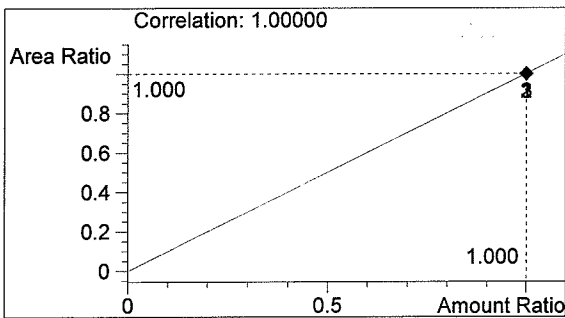
#	Compound	Area	RT
1	ETHANOL	1578	1.066
2	n-PROPANOL	1723	1.827

Totals:



ETHANOL

0.188 g/100ml



n-PROPANOL

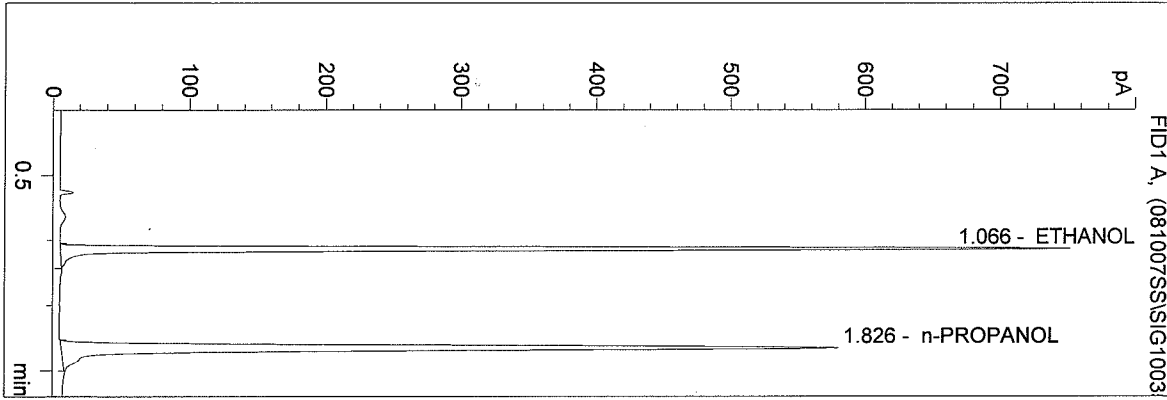
1.000 g/100ml

SMS

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 10/7/2008 11:30:50 AM
 Instrument 3
 db-alc2

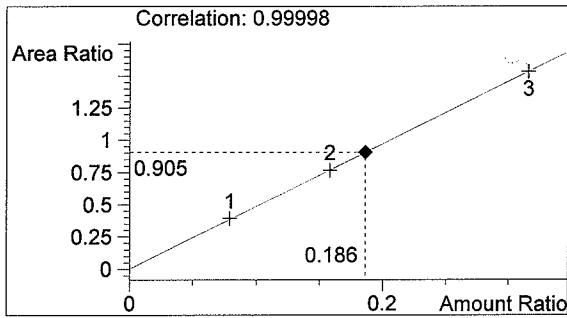
08045 #5
 SARAH SWENSON

vial # 35



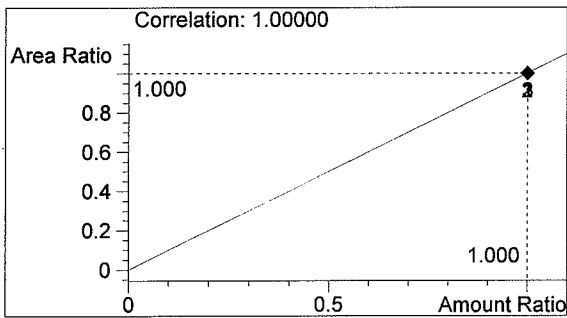
#	Compound	Area	RT
1	ETHANOL	1470	1.066
2	n-PROPANOL	1624	1.826

Totals:



ETHANOL

0.186 g/100ml



n-PROPANOL

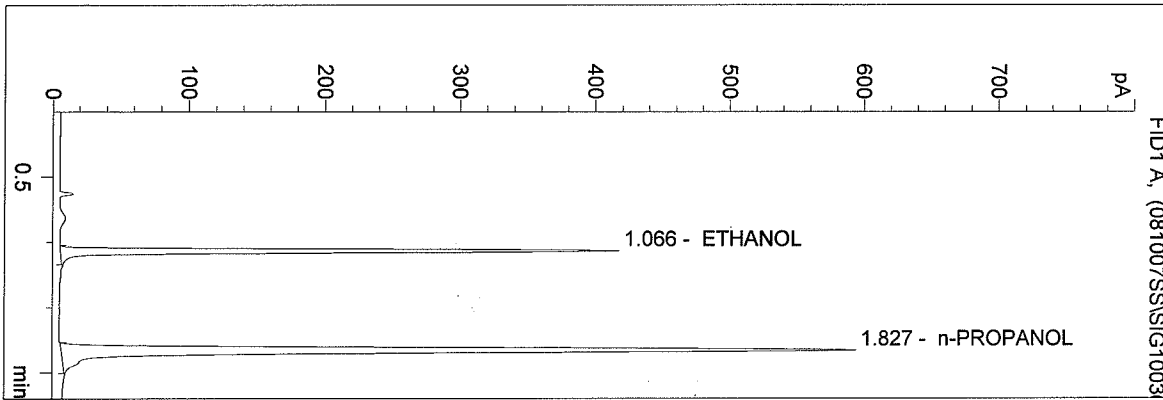
1.000 g/100ml

SMS

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 10/7/2008 11:33:58 AM
 Instrument 3
 db-alc2

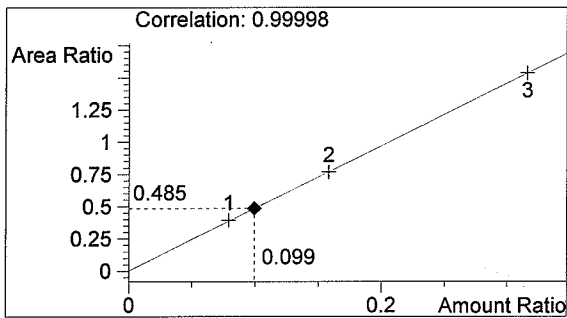
0.10 CONTROL-SS
 SARAH SWENSON

vial # 36



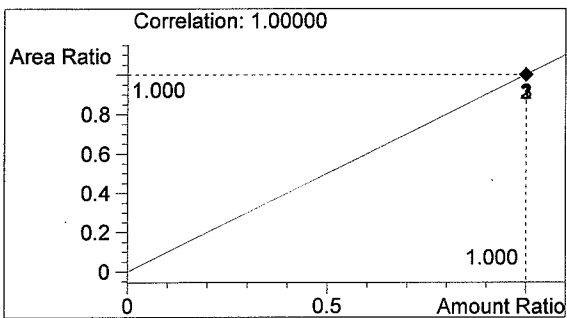
#	Compound	Area	RT
1	ETHANOL	807	1.066
2	n-PROPANOL	1664	1.827

Totals:



ETHANOL

0.099 g/100ml



n-PROPANOL

1.000 g/100ml

SMS

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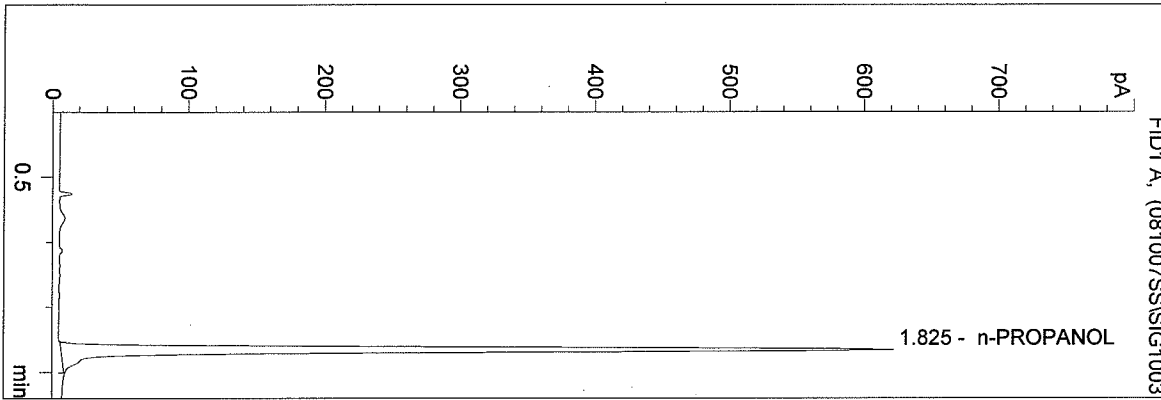
Instrument 3

db-alc2

NEG CONTROL-SS

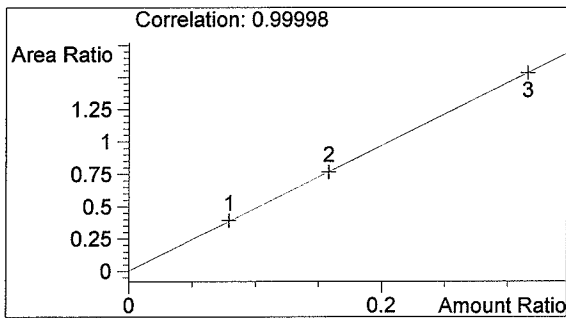
SARAH SWENSON

vial # 37



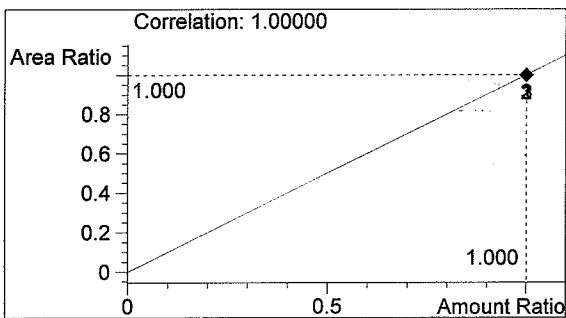
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1744	1.825

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

SMS