

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



Reviewer/s: KENNEDY/ROD GUILBERT Date: 5-27-2008
 Location: TOX LAB SEATTLE Solution Batch Number: 08021

	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: *R S Kelly* Date: 5-27-08
 Reviewer Signature: *KL 12/17* Date: 5/27/2008

WASHINGTON STATE TOXICOLOGY LABORATORY
 FORENSIC LABORATORY SERVICES BUREAU
 WASHINGTON STATE PATROL
 2203 AIRPORT WAY S, SUITE 360
 SEATTLE, WASHINGTON 98134-2027
 (206) 262-6100 FAX (206) 262-6145

QUALITY ASSURANCE SOLUTION DATABASE

Preparation and certification of **0.10** g/210L Quality Assurance Solution

Batch number **08021**

Date prepared: 04/10/2008

Preparation: **28.9** mL of absolute ethyl alcohol diluted to **18** Liters with water

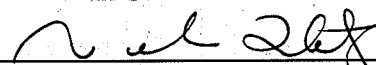
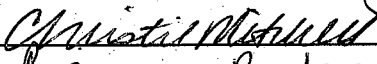
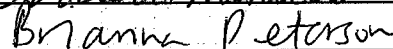
Concentration of ethanol (g/100mL) measured by gas chromatography:

	Analyst 1	Analyst 2	Analyst 3
1	0.133	0.132	0.127
2	0.132	0.132	0.133
3	0.134	0.132	0.127
4	0.131	0.133	0.127
5	0.132	0.133	0.129
Ctrl	0.102	0.102	0.100

Statistics:
 Avg. solution concent.: 0.1311 g/100 mL
 SD: 0.00242
 Range (3.8XSD): 0.1219 to 0.1403
 Precision CV (%): 1.8430 %

External Control:
 Lot #: A050528 Exp date: 07 / 2011
 Analyst 3 A056938 04/2012
 Target concentration: 0.10 g/100mL

Equivalent vapor concent.: 0.1066 g/210L

Analyst	Name	Signature	Date Tested
1	Rebecca Flaherty		04/10/2008
2	Christie Mitchell		04/17/2008
3	Brianna Peterson		04/25/2008

Prepared by: Rebecca Flaherty according to the approved protocol.

Final review by: MP

Batch Worksheet Check Off

Please check the data entered into the worksheet is correct and that the date to the right of your name is the date that you tested the solution and then sign the worksheet.

Please initial below to affirm that you have:

- 1 – Initialed your chromatograms
- 2 – Checked your data
- 3 – Checked the date to the right of your name on the worksheet
- 4 – Signed the worksheet.

Initials	Date
Amanda Black	
Asa Louis	
Brian Capron	
Brianna Peterson BP	5/8/08
Brianne Akins	
Brittany Ball	
Christie Mitchell CM	5/8/2008
Christopher Johnston	
Erin Kolbrich	
Estuardo Miranda	
Gwynyth Scherperel	
Justin Knoy	
Lisa Noble	
Melissa Pemberton	
Naziha Nuwayhid	
Rebecca Flaherty RF	05/08/08
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 QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 08021


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 quality assurance solution, Lot Number 08021, was prepared in the Washington State Toxicology Laboratory on 4/10/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 4/10/2009.

Seattle, WA

 05/08/08
Rebecca Flaherty Date
Forensic Toxicologist

RF/jr
RFQA



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

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DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 08021

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 quality assurance solution, Lot Number 08021, was prepared in the Washington State Toxicology Laboratory on 4/10/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 4/10/2009.

Seattle, WA

Christie Mitchell 5/8/2008
Christie Mitchell Date
Forensic Toxicologist

CM/jr
CMQA



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 08021

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 two years of experience in forensic toxicology.

The quality assurance solution, Lot Number 08021, was prepared in the Washington State Toxicology Laboratory on 4/10/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 4/10/2009.

Seattle, WA

Brianna Peterson 5/8/08
Brianna Peterson Date
Forensic Toxicologist

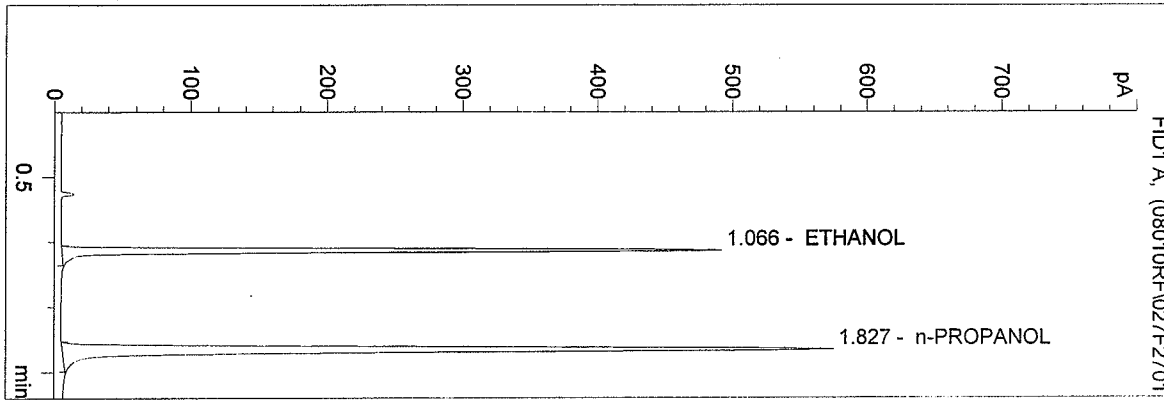
BP/jr
BPQA



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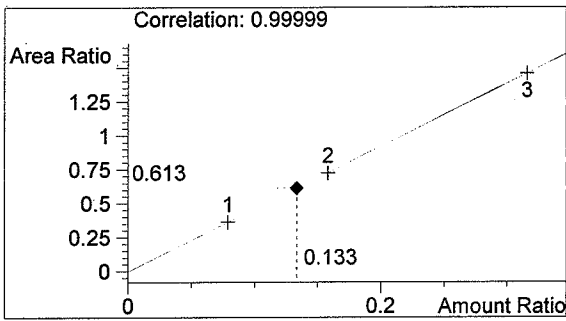
QA08021-1
 Rebecca Flaherty

vial # 27



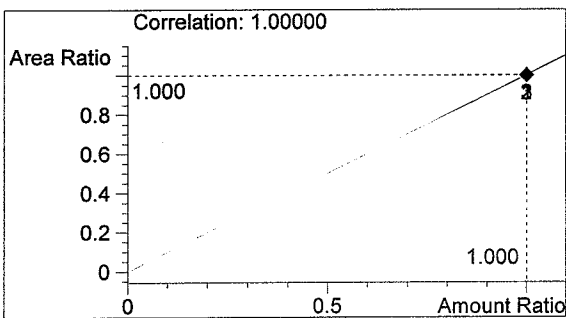
#	Compound	Area	RT
1	ETHANOL	977	1.066
2	n-PROPANOL	1594	1.827

Totals:



ETHANOL

0.133 g/100ml



n-PROPANOL

1.000 g/100ml

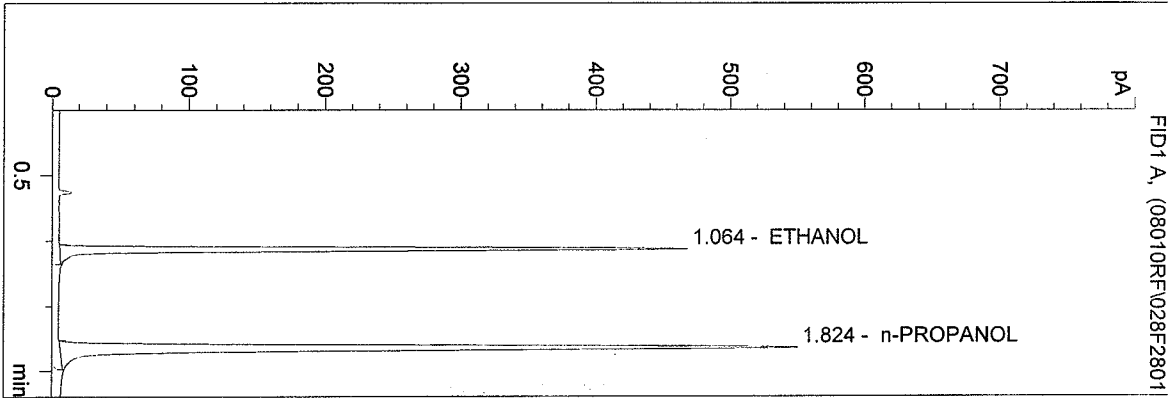
RF

Calibration filed with QA 08019
 RF 04/10/08

C:\HPCHEM\2\METHODS\BLDALCO3.M
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 Instrument 3
 db-alc2

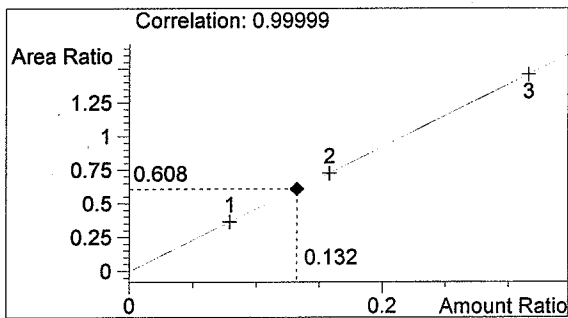
QA08021-2
 Rebecca Flaherty

vial # 28

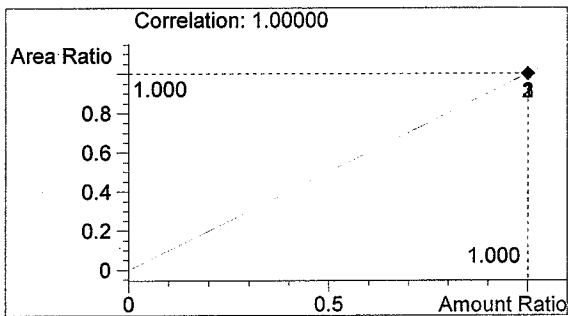


#	Compound	Area	RT
1	ETHANOL	927	1.064
2	n-PROPANOL	1524	1.824

Totals:



0.132 g/100ml



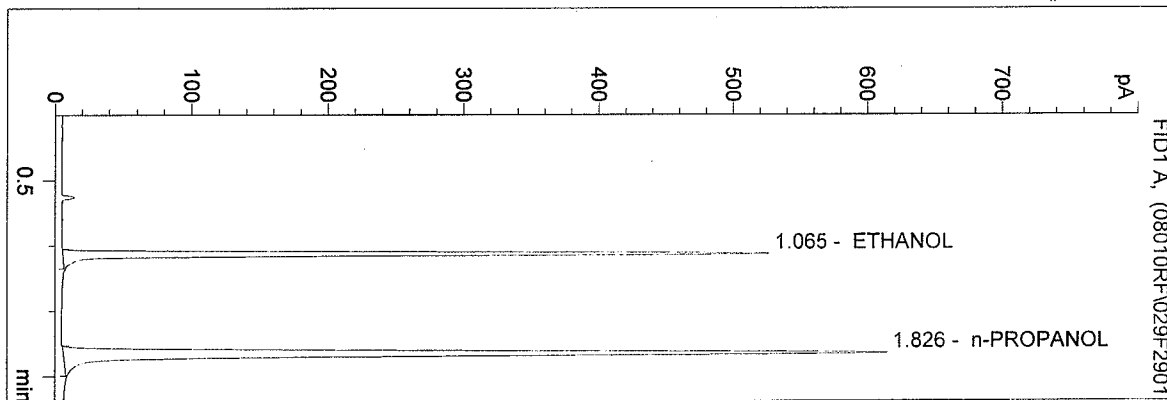
1.000 g/100ml

RF

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 Instrument 3
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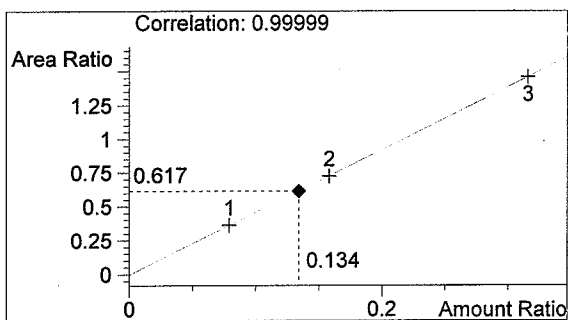
QA08021-3
 Rebecca Flaherty

vial # 29

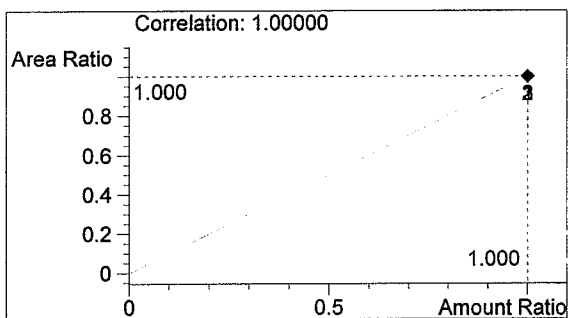


#	Compound	Area	RT
1	ETHANOL	1052	1.065
2	n-PROPANOL	1705	1.826

Totals:



0.134 g/100ml



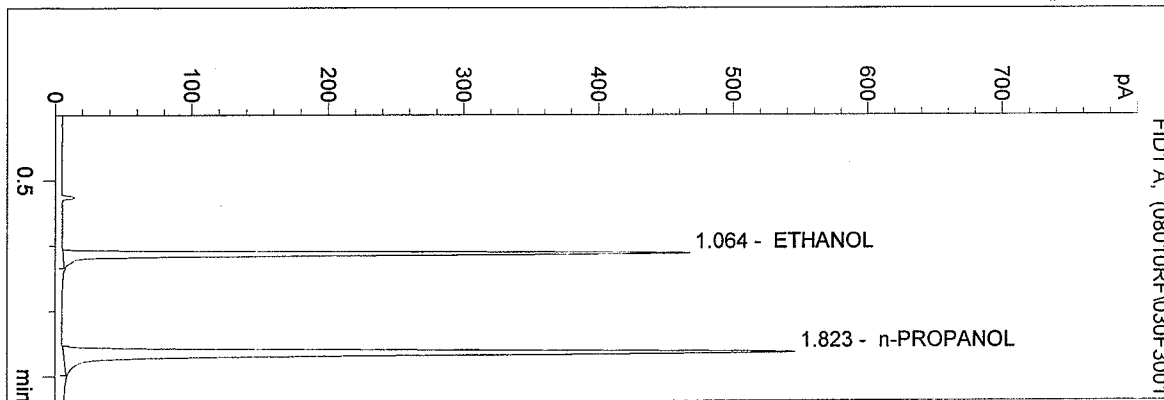
1.000 g/100ml

RF

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 Instrument 3
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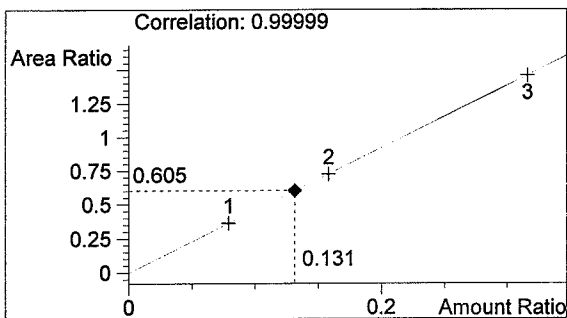
QA08021-4
 Rebecca Flaherty

vial # 30



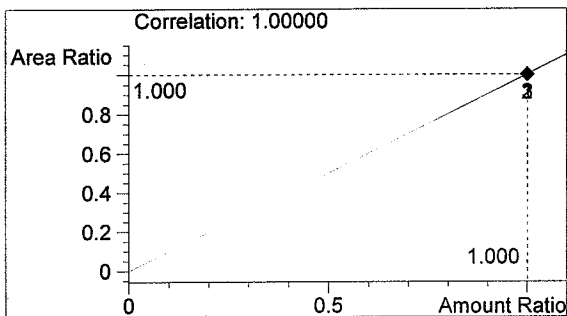
#	Compound	Area	RT
1	ETHANOL	912	1.064
2	n-PROPANOL	1507	1.823

Totals:



ETHANOL

0.131 g/100ml



n-PROPANOL

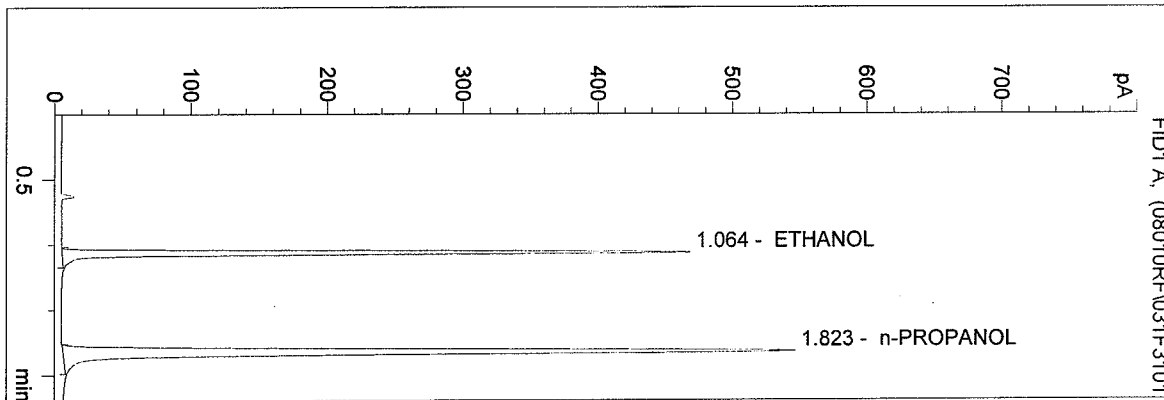
1.000 g/100ml

RF

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 Instrument 3
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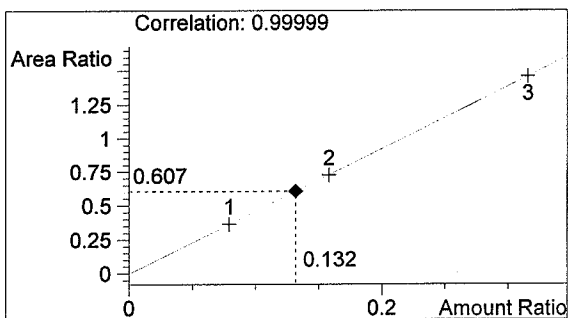
QA08021-5
 Rebecca Flaherty

vial # 31



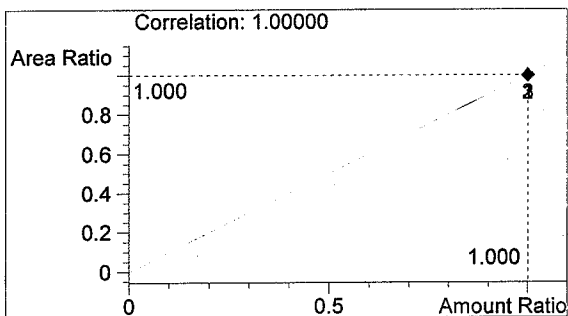
#	Compound	Area	RT
1	ETHANOL	919	1.064
2	n-PROPANOL	1515	1.823

Totals:



ETHANOL

0.132 g/100ml



n-PROPANOL

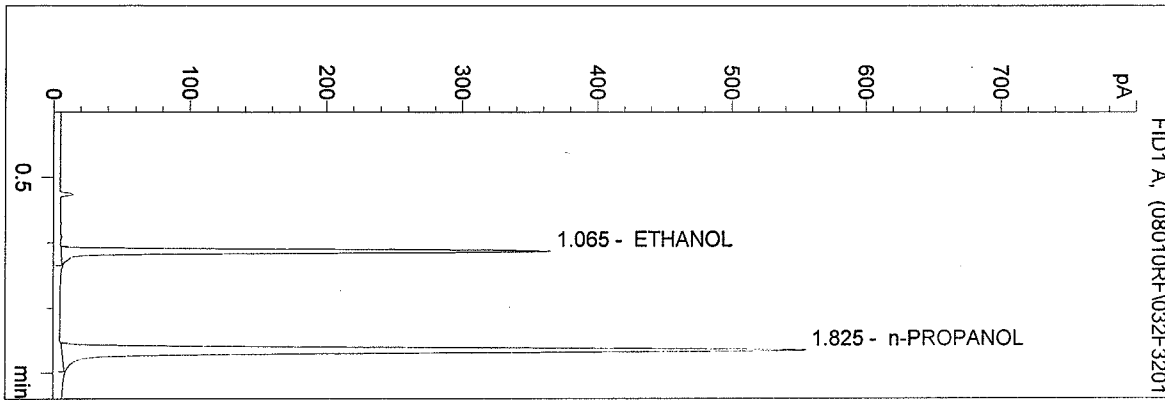
1.000 g/100ml

RF

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 Instrument 3
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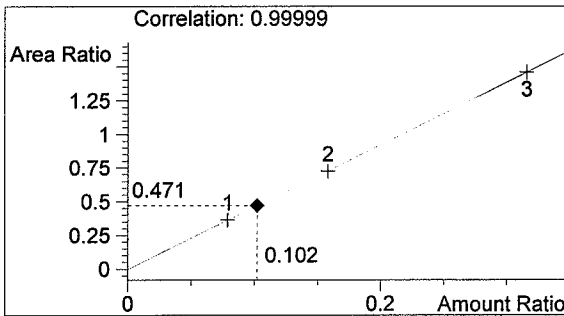
0.10 Ctrl-RF
 Rebecca Flaherty

vial # 32



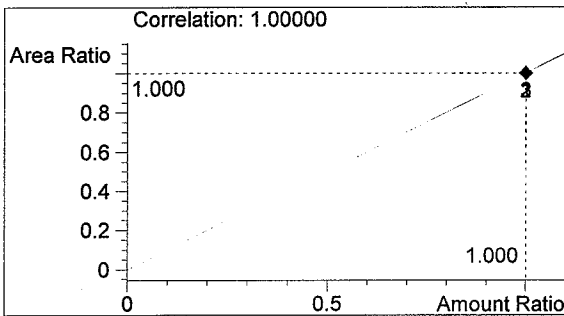
#	Compound	Area	RT
1	ETHANOL	724	1.065
2	n-PROPANOL	1538	1.825

Totals:



ETHANOL

0.102 g/100ml



n-PROPANOL

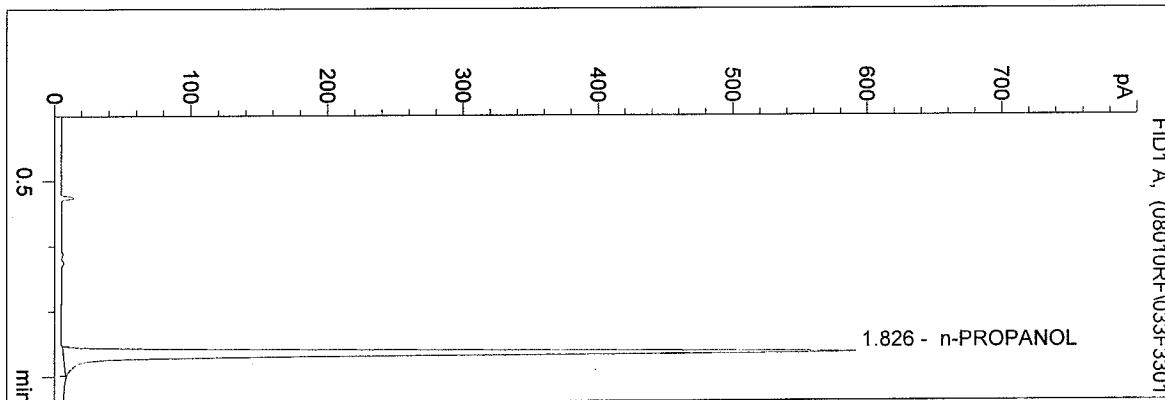
1.000 g/100ml

RF

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 4/10/2008 12:39:05 PM
 Instrument 3
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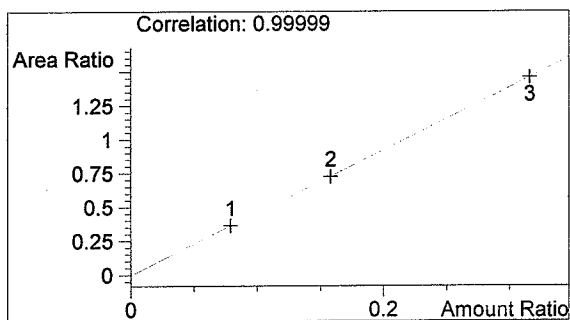
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 Rebecca Flaherty

vial # 33



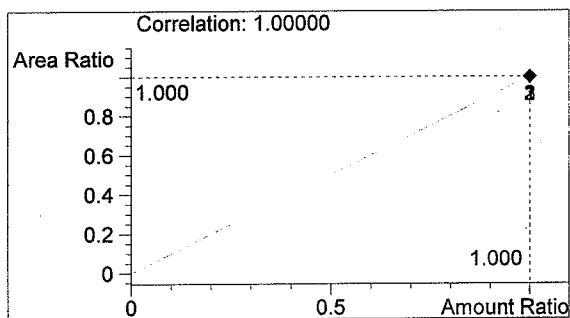
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1639	1.826

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

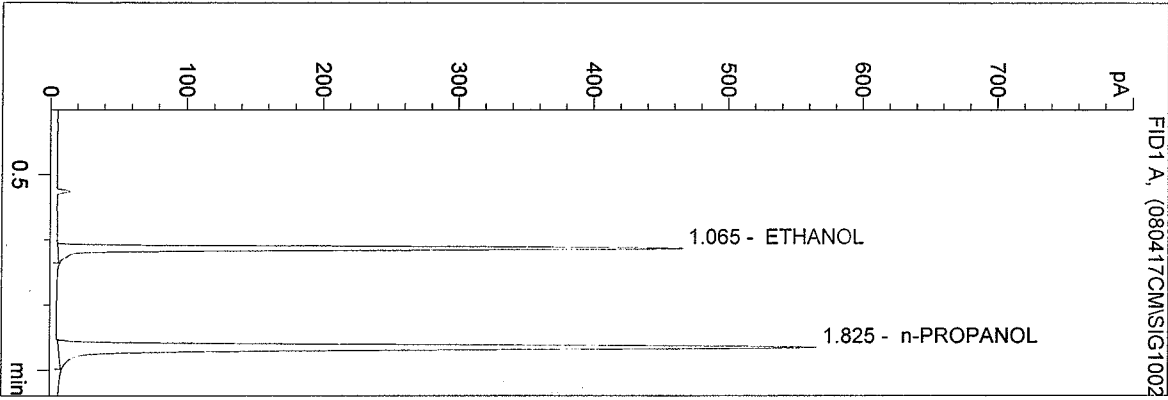
1.000 g/100ml

RF

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 Instrument 3
 db-alc2

QA08021-1
 Christie Mitchell

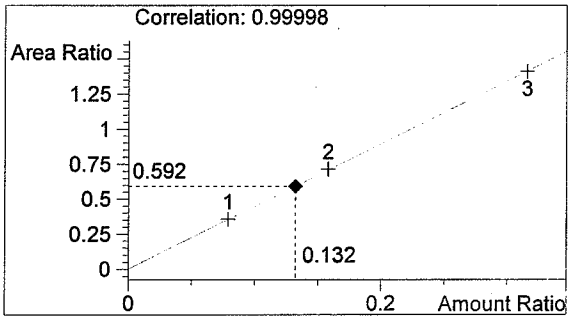
vial # 27



#	Compound	Area	RT
1	ETHANOL	930	1.065
2	n-PROPANOL	1571	1.825

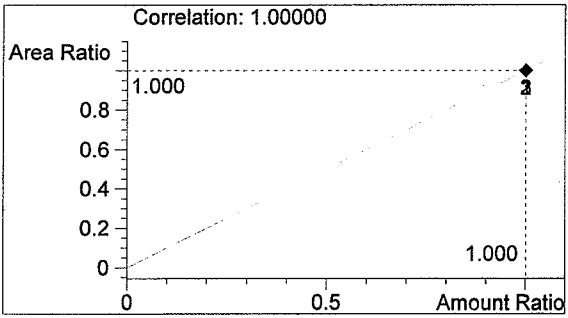
Totals:

CM



ETHANOL

0.132 g/100ml



n-PROPANOL

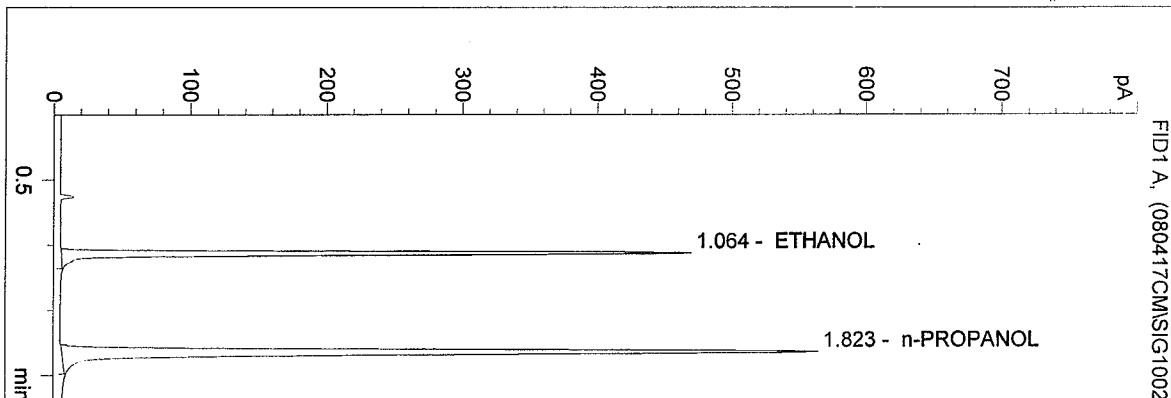
1.000 g/100ml

*Calibration filed with QA08019
 CM 4/17/2008*

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 Instrument 3
 db-alc2

QA08021-2
 Christie Mitchell

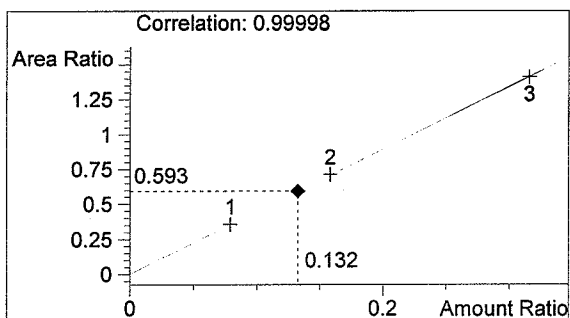
vial # 28



#	Compound	Area	RT
1	ETHANOL	927	1.064
2	n-PROPANOL	1562	1.823

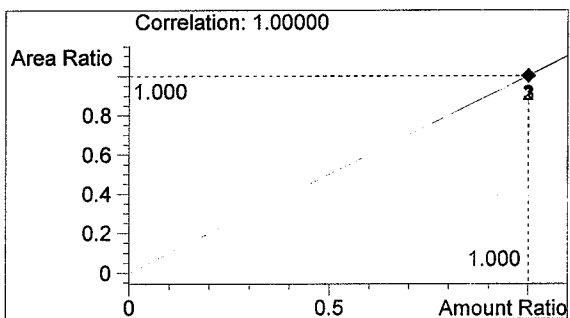
Totals:

CM



ETHANOL

0.132 g/100ml



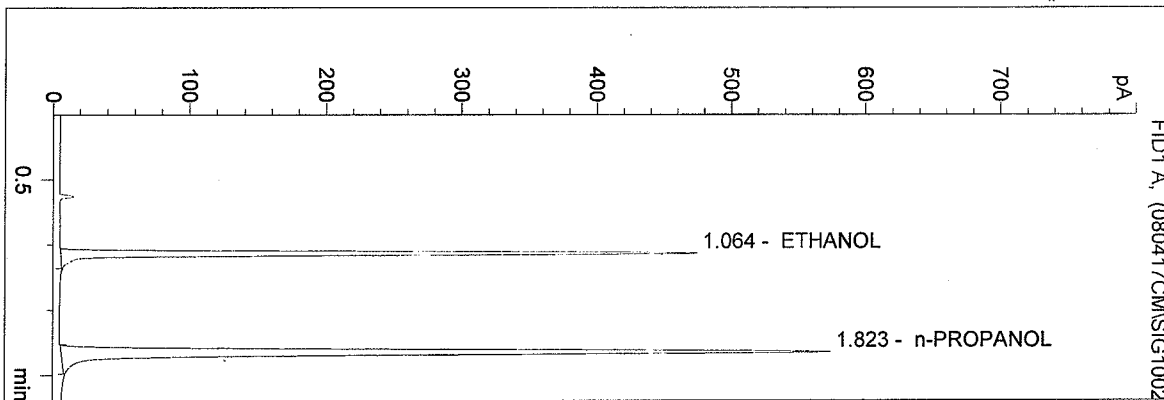
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
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 Instrument 3
 db-alc2

QA08021-3
 Christie Mitchell

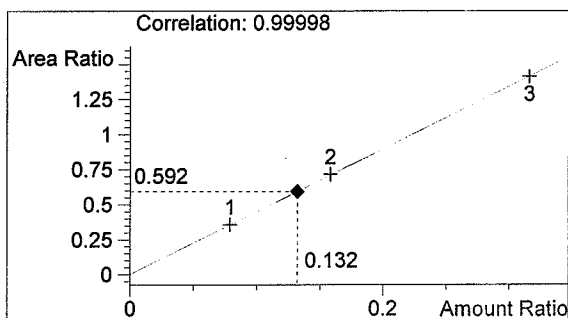
vial # 29



#	Compound	Area	RT
1	ETHANOL	943	1.064
2	n-PROPANOL	1594	1.823

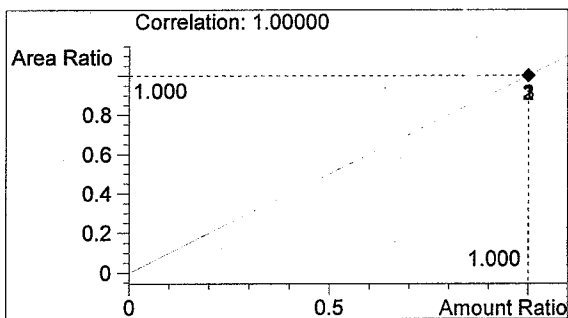
Totals:

CM



ETHANOL

0.132 g/100ml



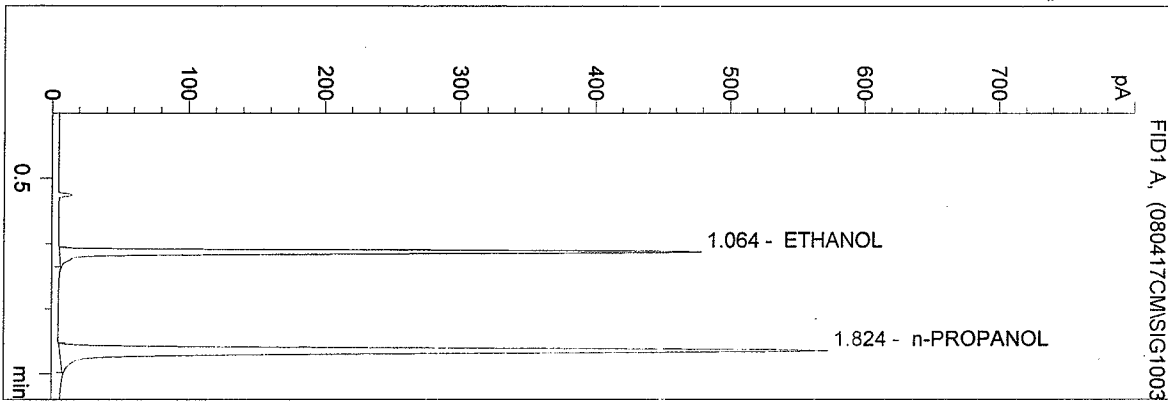
n-PROPANOL

1.000 g/100ml

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 db-alc2

QA08021-4
 Christie Mitchell

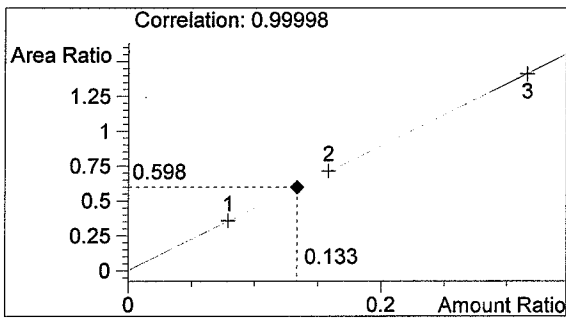
vial # 30



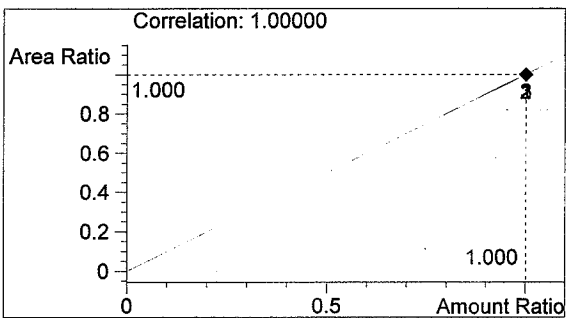
#	Compound	Area	RT
1	ETHANOL	952	1.064
2	n-PROPANOL	1591	1.824

Totals:

CM



0.133 g/100ml

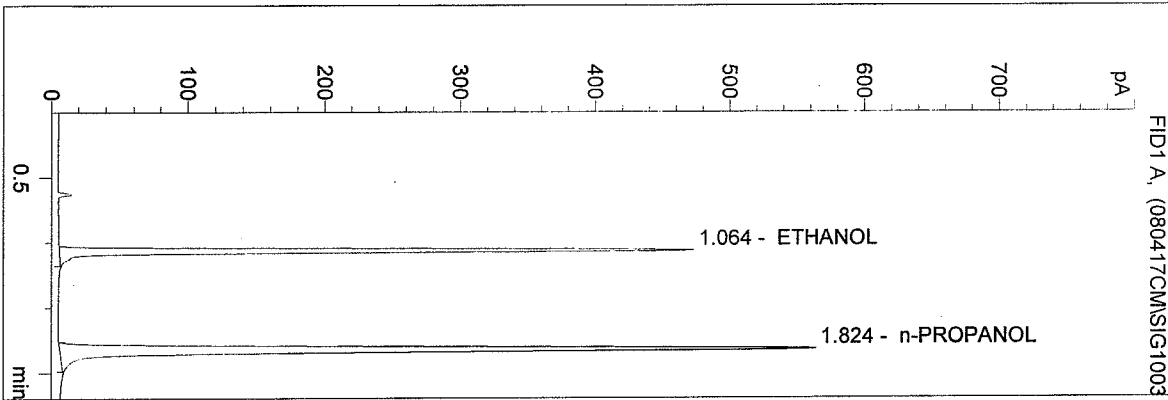


1.000 g/100ml

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 Instrument 3
 db-alc2

QA08021-5
 Christie Mitchell

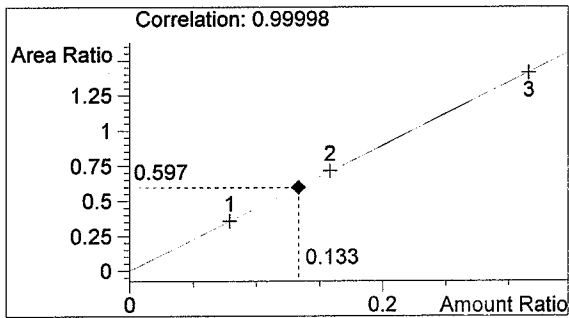
vial # 31



#	Compound	Area	RT
1	ETHANOL	932	1.064
2	n-PROPANOL	1562	1.824

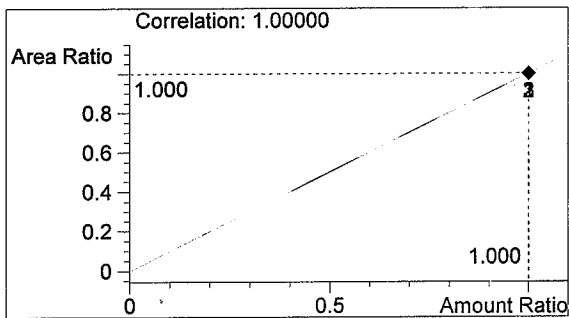
Totals:

CM



ETHANOL

0.133 g/100ml



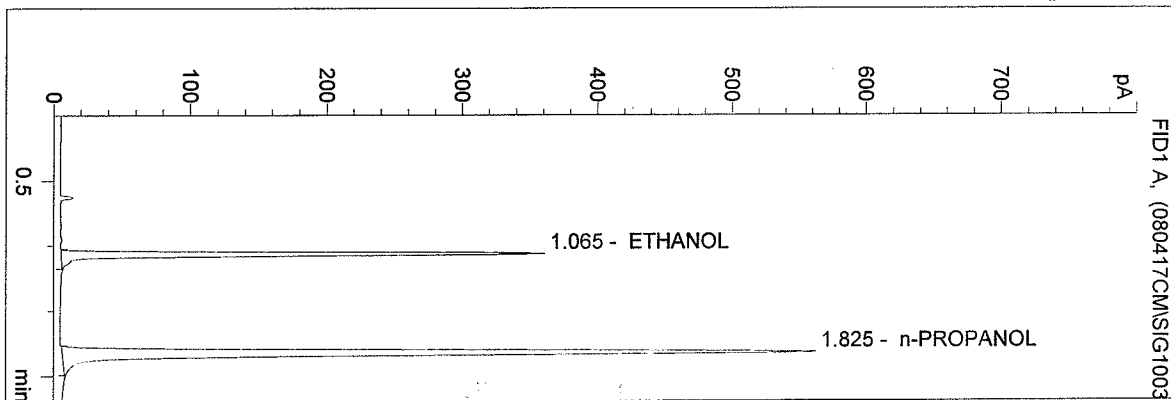
n-PROPANOL

1.000 g/100ml

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 Instrument 3
 db-alc2

0.10 CTRL-CM
 Christie Mitchell

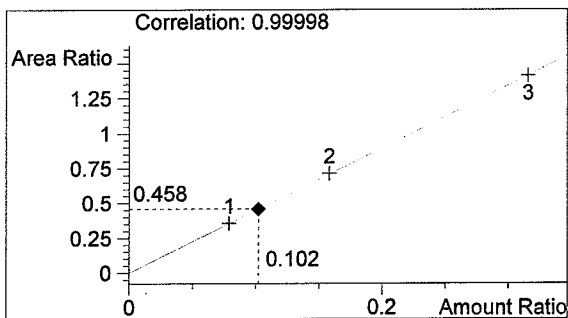
vial # 32



#	Compound	Area	RT
1	ETHANOL	713	1.065
2	n-PROPANOL	1556	1.825

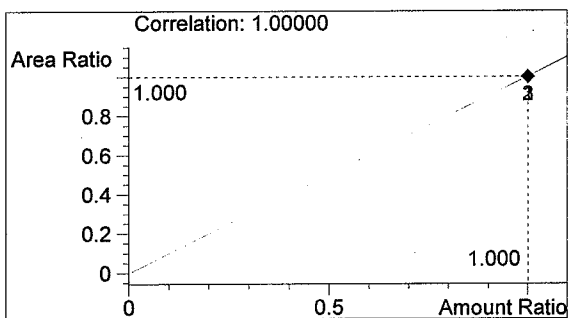
Totals:

CM



ETHANOL

0.102 g/100ml



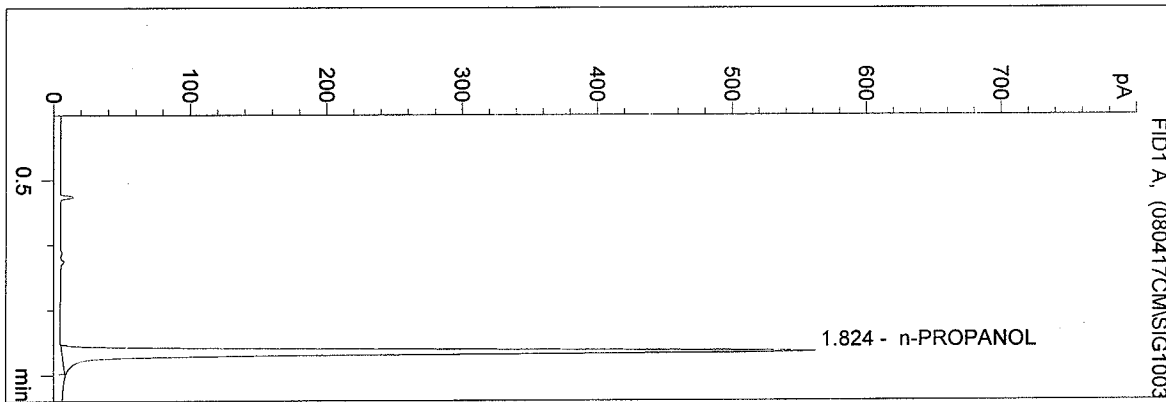
n-PROPANOL

1.000 g/100ml

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 Instrument 3
 db-alc2

BLANK
 Christie Mitchell

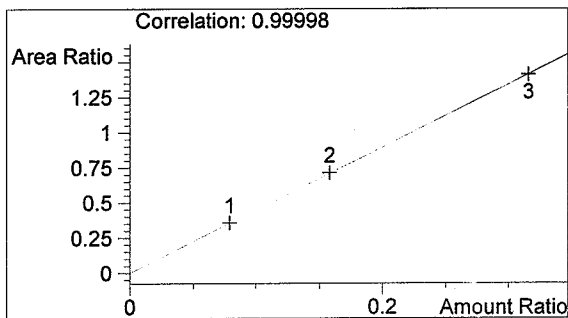
vial # 33



#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1554	1.824

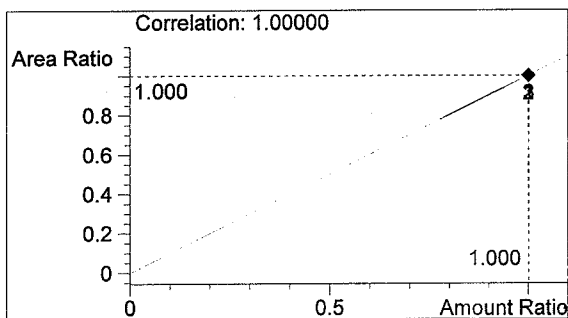
Totals:

CM



ETHANOL

0.000 g/100ml



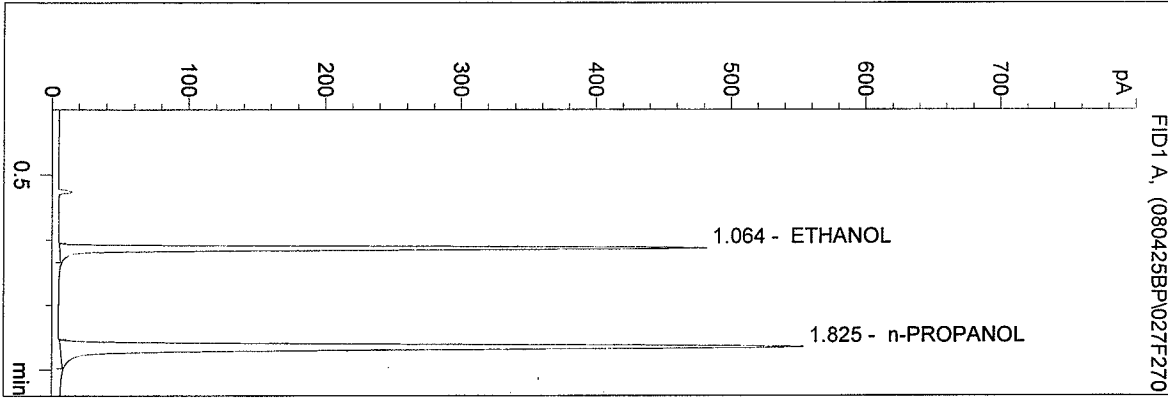
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:01:10 PM
 Instrument 3
 db-alc2

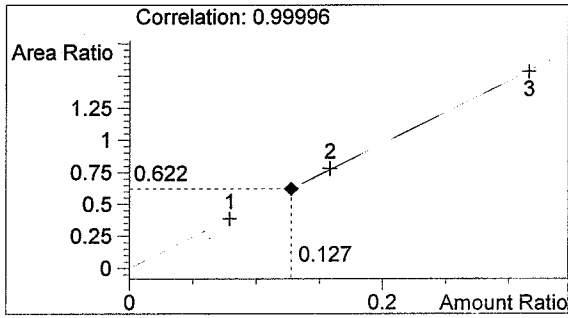
QA08021-1
 Brianna Peterson

vial # 27



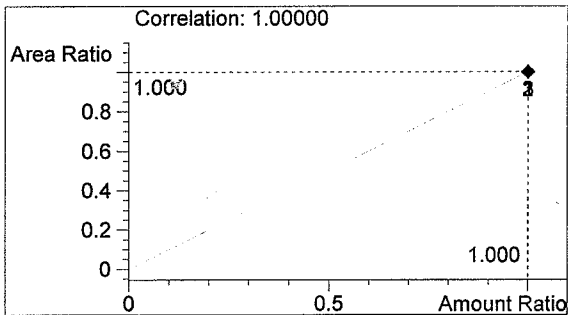
#	Compound	Area	RT
1	ETHANOL	957	1.064
2	n-PROPANOL	1539	1.825

Totals:



ETHANOL

0.127 g/100ml



n-PROPANOL

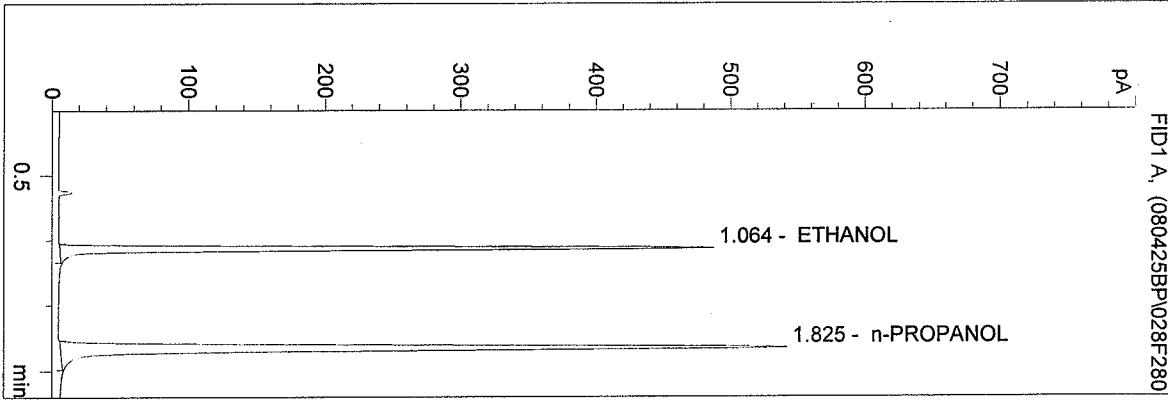
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:04:17 PM
 Instrument 3
 db-alc2

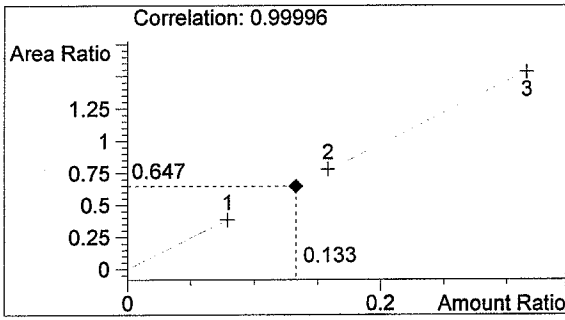
QA08021-2
 Brianna Peterson

vial # 28



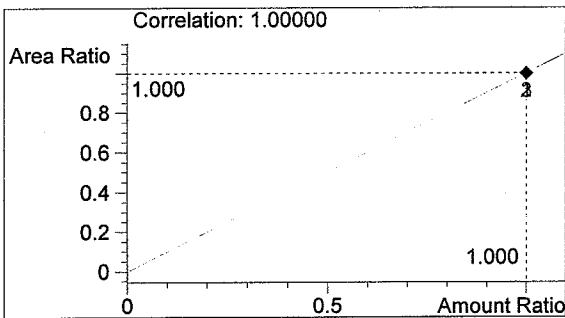
#	Compound	Area	RT
1	ETHANOL	974	1.064
2	n-PROPANOL	1505	1.825

Totals:



ETHANOL

0.133 g/100ml



n-PROPANOL

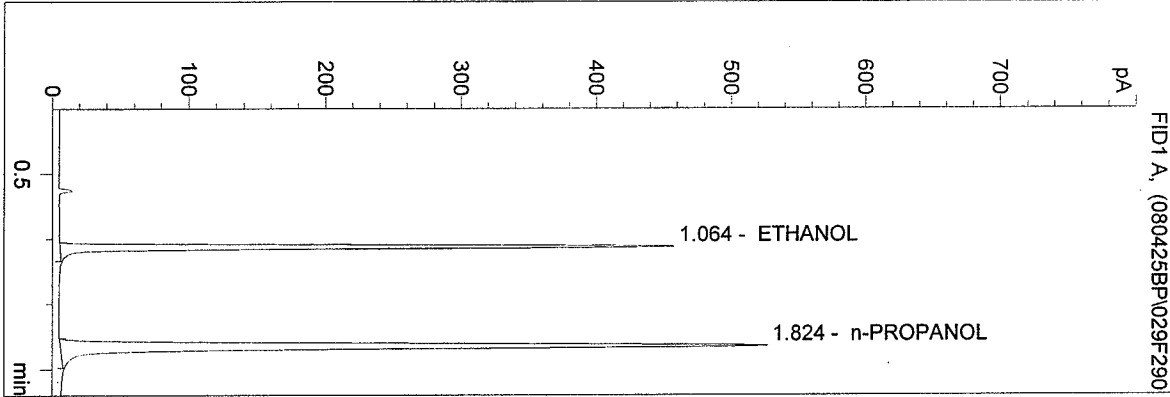
1.000 g/100ml

Bd

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:07:24 PM
 Instrument 3
 db-alc2

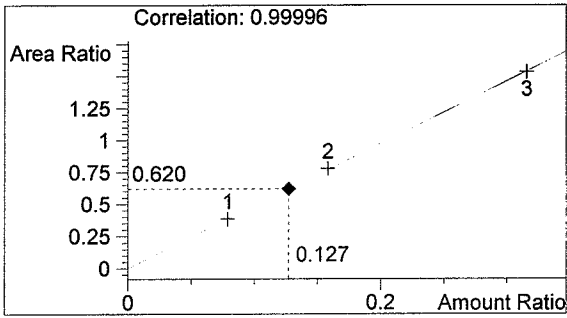
QA08021-3
 Brianna Peterson

vial # 29



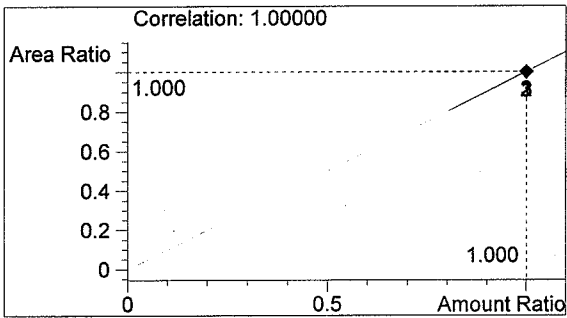
#	Compound	Area	RT
1	ETHANOL	904	1.064
2	n-PROPANOL	1459	1.824

Totals:



ETHANOL

0.127 g/100ml



n-PROPANOL

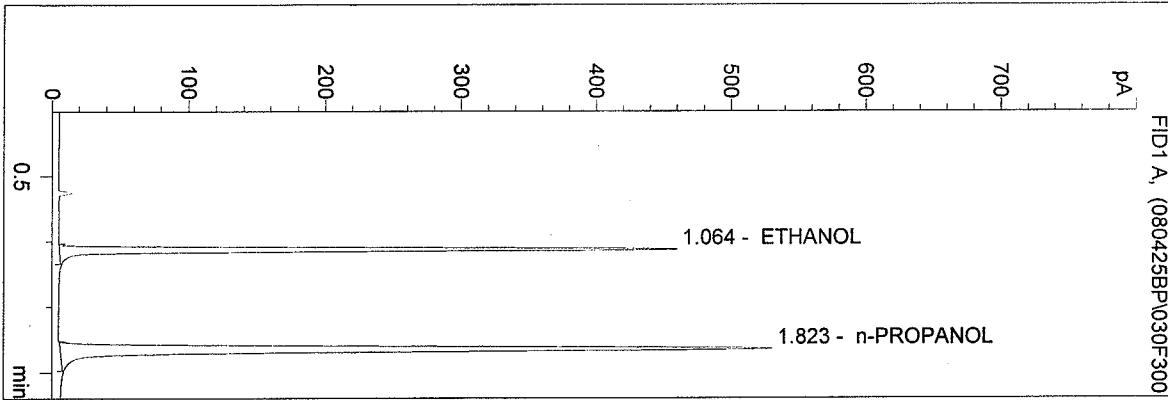
1.000 g/100ml

bp

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:10:31 PM
 Instrument 3
 db-alc2

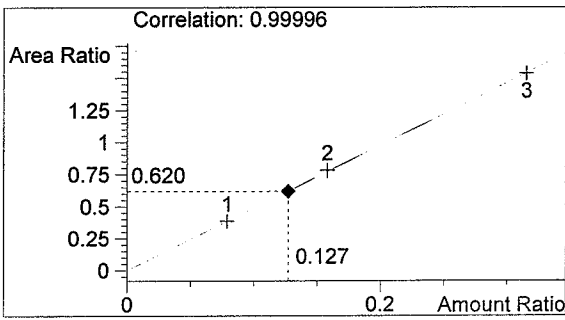
QA08021-4
 Brianna Peterson

vial # 30



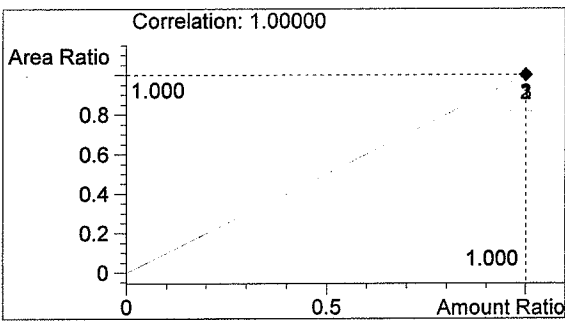
#	Compound	Area	RT
1	ETHANOL	909	1.064
2	n-PROPANOL	1466	1.823

Totals:



ETHANOL

0.127 g/100ml



n-PROPANOL

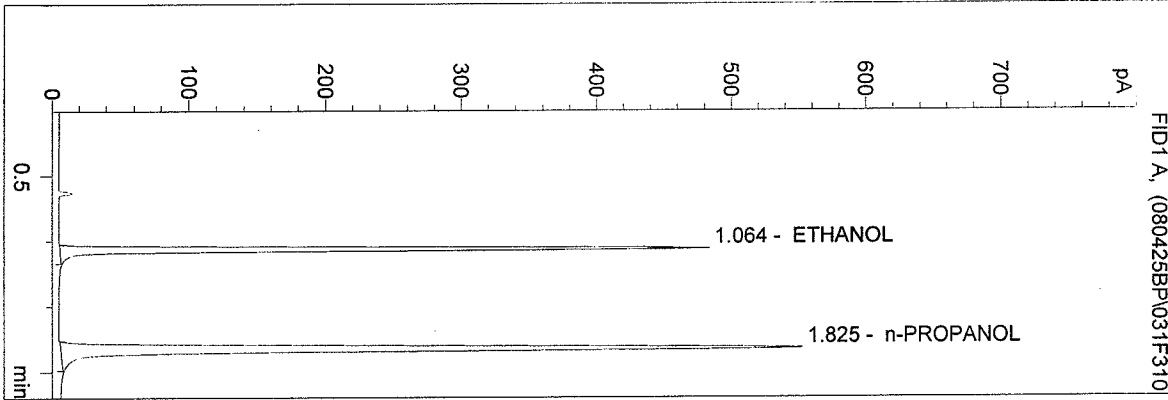
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:13:39 PM
 Instrument 3
 db-alc2

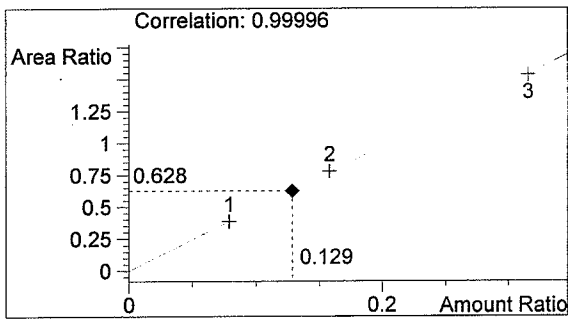
QA08021-5
 Brianna Peterson

vial # 31



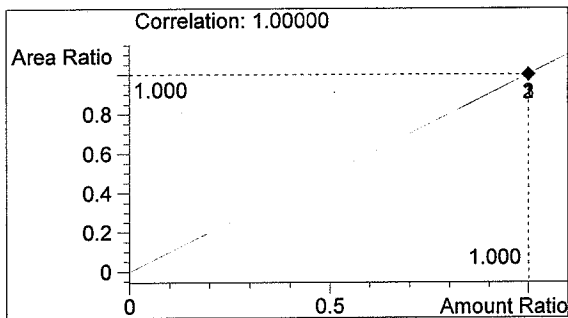
#	Compound	Area	RT
1	ETHANOL	962	1.064
2	n-PROPANOL	1532	1.825

Totals:



ETHANOL

0.129 g/100ml



n-PROPANOL

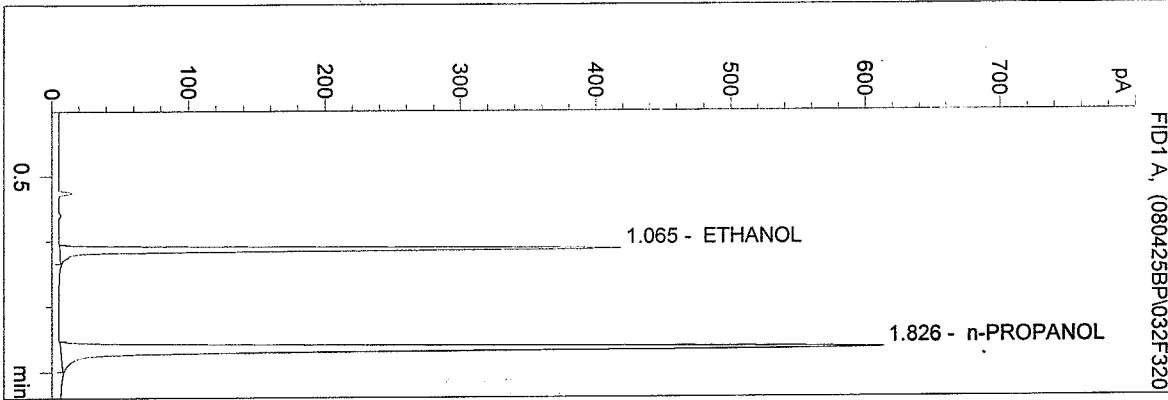
1.000 g/100ml

bl

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:16:46 PM
 Instrument 3
 db-alc2

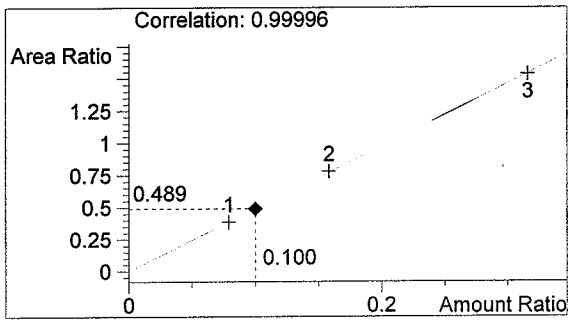
0.10 Ctrl-BP
 Brianna Peterson

vial # 32



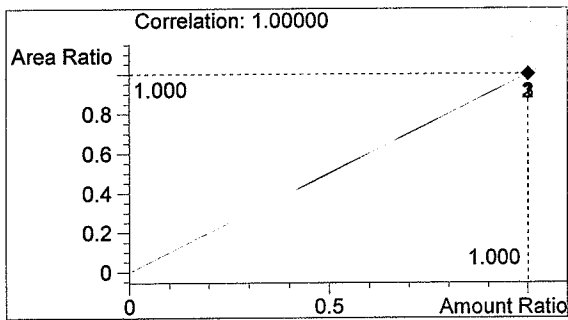
#	Compound	Area	RT
1	ETHANOL	832	1.065
2	n-PROPANOL	1700	1.826

Totals:



ETHANOL

0.100 g/100ml



n-PROPANOL

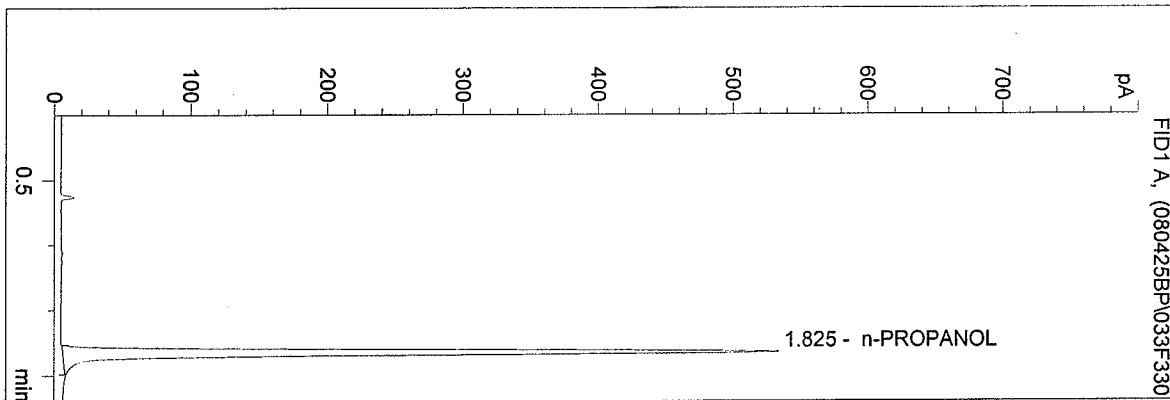
1.000 g/100ml

BL

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:19:53 PM
 Instrument 3
 db-alc2

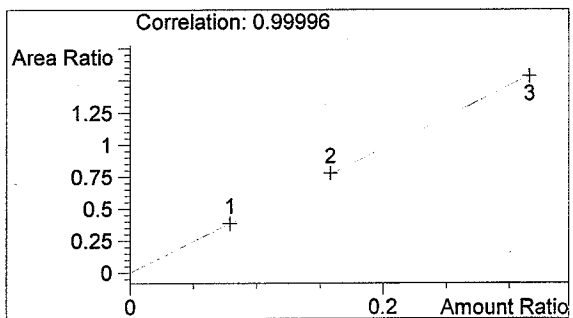
BLANK
 Brianna Peterson

vial # 33



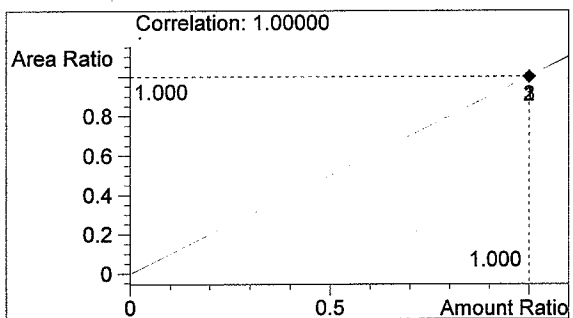
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1482	1.825

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

Bf