

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



Reviewer/ s: KEN NEUTON / TOD GUILDEN Date: 5-27-2008
 Location: TOX LAB SEATTLE Solution Batch Number: 08022

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

Reviewer Signature: Date: 5-27-08
 Reviewer Signature: 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 **0.15** g/210L Quality Assurance Solution

Batch number **08022**

Date prepared: 04/10/2008

Preparation: **42.3** 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	0.191	0.192	0.185
2	0.193	0.193	0.184
3	0.195	0.193	0.187
4	0.195	0.194	0.187
5	0.194	0.193	0.185
Ctrl	0.102	0.102	0.099

Statistics:

Avg. solution concent.: 0.1907 g/100 mL

SD: 0.00395

Range (3.8XSD): 0.1757 to 0.2057

Precision CV (%): 2.0737 %

External Control:

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

Equivalent vapor concent.: 0.1550 g/210L

<u>Analyst</u>	<u>Name</u>	<u>Signature</u>	<u>Date Tested</u>
1	Rebecca Flaherty	<i>Rebecca Flaherty</i>	04/10/2008
2	Christie Mitchell	<i>Christie Mitchell</i>	04/17/2008
3	Brianna Peterson	<i>Brianna Peterson</i>	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 <i>BP</i>	<i>5/8/08</i>
Brianne Akins	
Brittany Ball	
Christie Mitchell <i>CM</i>	<i>5/8/2008</i>
Christopher Johnston	
Erin Kolbrich	
Estuardo Miranda	
Gwynyth Scherperel	
Justin Knoy	
Lisa Noble	
Melissa Pemberton	
Naziha Nuwayhid	
Rebecca Flaherty <i>RF</i>	<i>05/08/08</i>
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 08022


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 08022, 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

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
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DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 08022

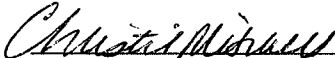
I, Christie Mitchell, do certify under penalty of perjury that:

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 08022, 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

 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
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 08022

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 08022, 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

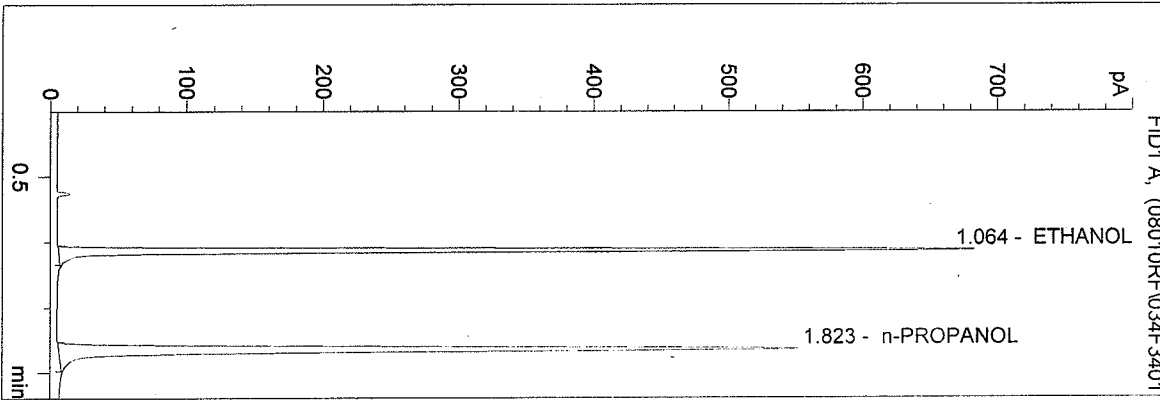
BP/jr
BPQA



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 Instrument 3
 db-alc2

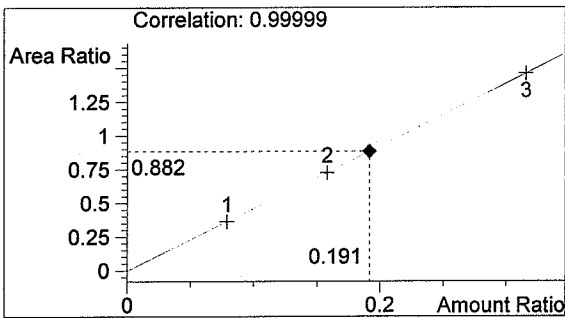
QA08022-1
 Rebecca Flaherty

vial # 34



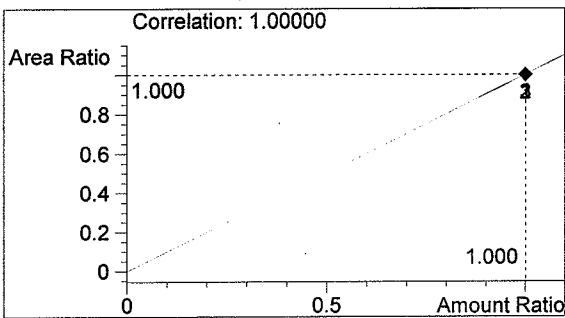
#	Compound	Area	RT
1	ETHANOL	1344	1.064
2	n-PROPANOL	1523	1.823

Totals:



ETHANOL

0.191 g/100ml



n-PROPANOL

1.000 g/100ml

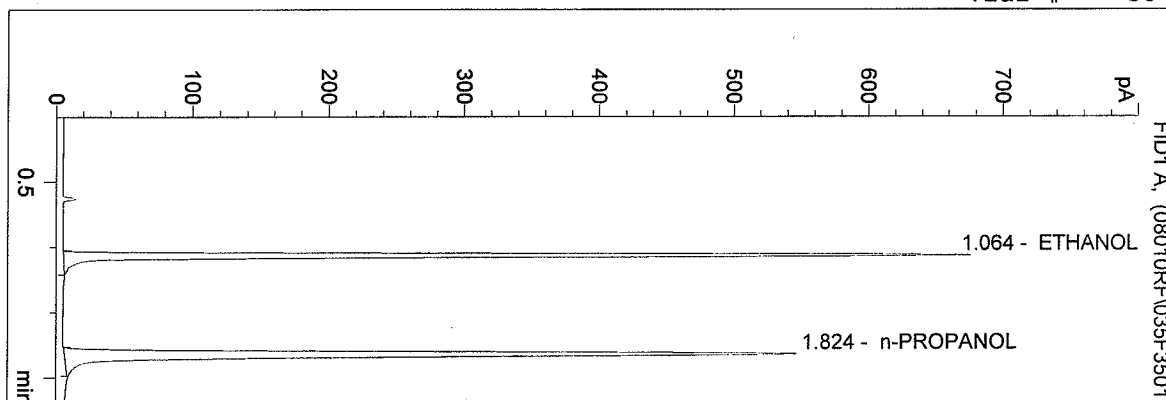
RF

calibration filed with QA 08019
 RF 04/10/08

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 Instrument 3
 db-alc2

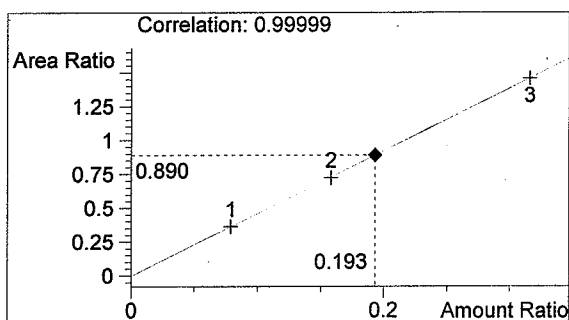
QA08022-2
 Rebecca Flaherty

vial # 35



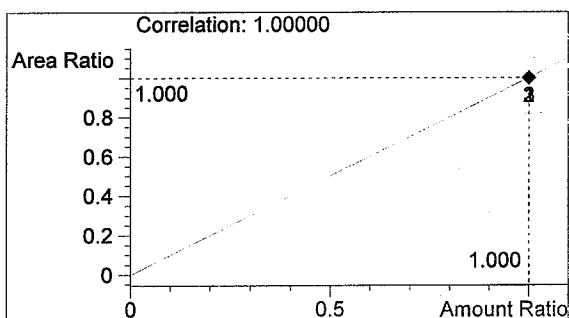
#	Compound	Area	RT
1	ETHANOL	1345	1.064
2	n-PROPANOL	1511	1.824

Totals:



ETHANOL

0.193 g/100ml



n-PROPANOL

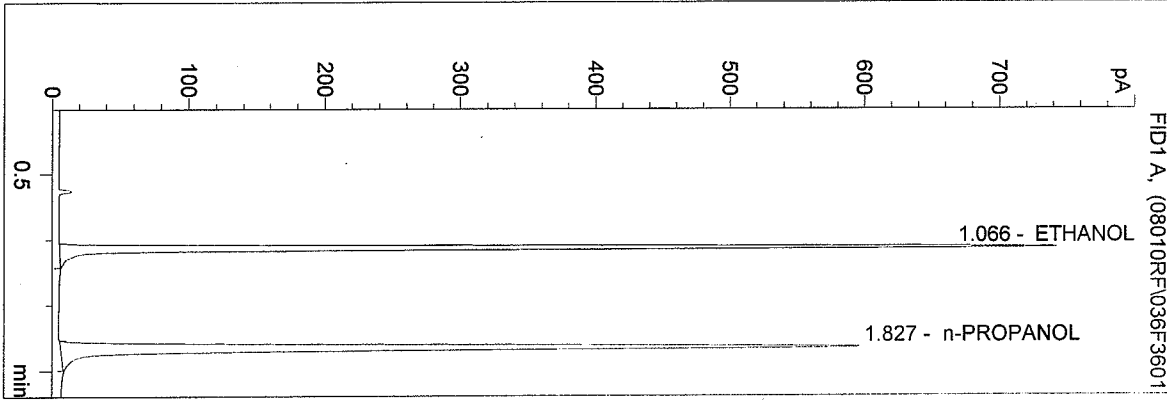
1.000 g/100ml

RA

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

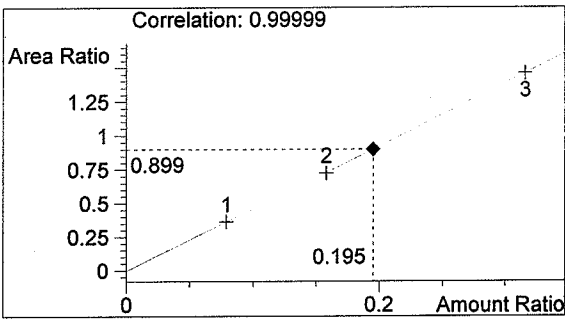
QA08022-3
 Rebecca Flaherty

vial # 36



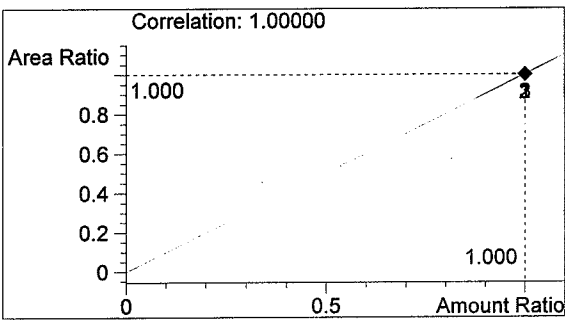
#	Compound	Area	RT
1	ETHANOL	1487	1.066
2	n-PROPANOL	1653	1.827

Totals:



ETHANOL

0.195 g/100ml



n-PROPANOL

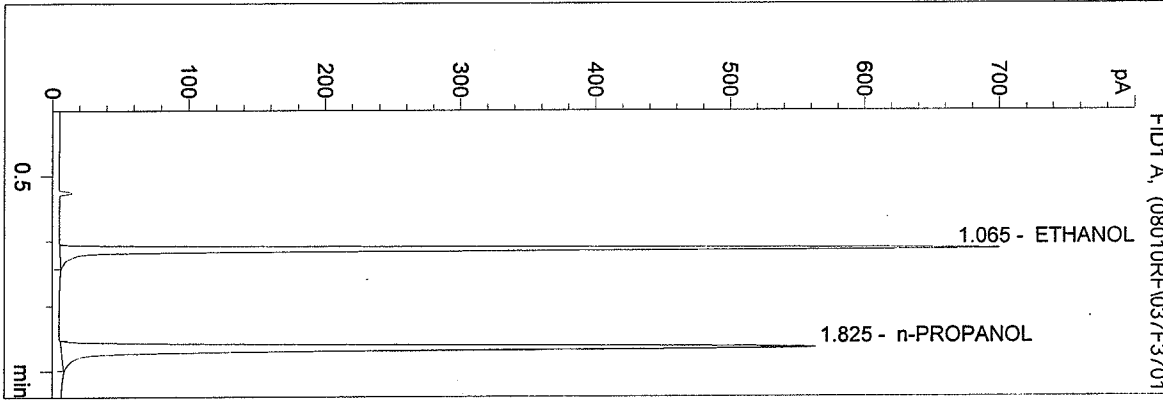
1.000 g/100ml

RF

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 Instrument 3
 db-alc2

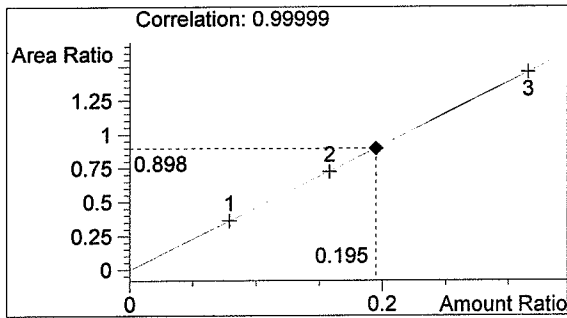
QA08022-4
 Rebecca Flaherty

vial # 37



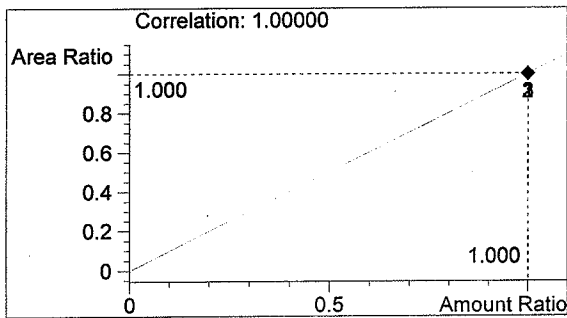
#	Compound	Area	RT
1	ETHANOL	1397	1.065
2	n-PROPANOL	1556	1.825

Totals:



ETHANOL

0.195 g/100ml



n-PROPANOL

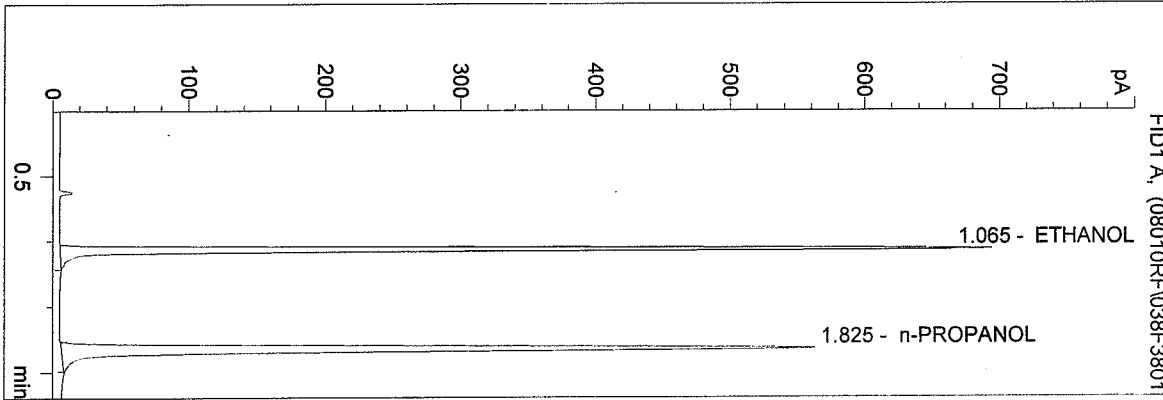
1.000 g/100ml

RF

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 Instrument 3
 db-alc2

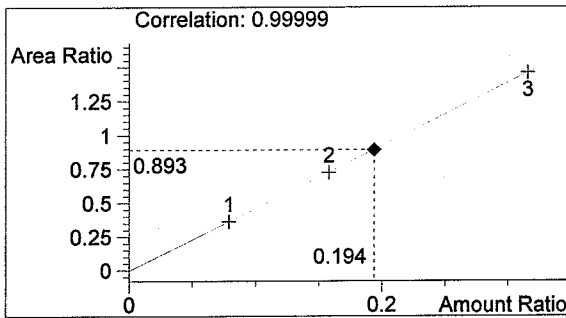
QA08022-5
 Rebecca Flaherty

vial # 38



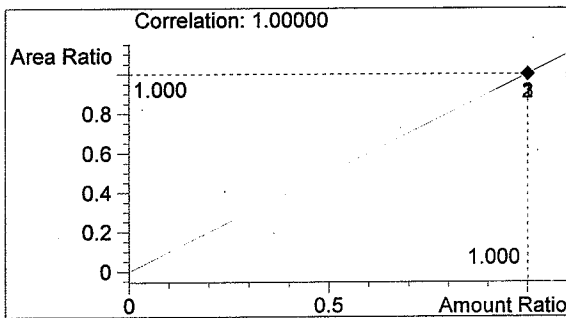
#	Compound	Area	RT
1	ETHANOL	1392	1.065
2	n-PROPANOL	1559	1.825

Totals:



ETHANOL

0.194 g/100ml



n-PROPANOL

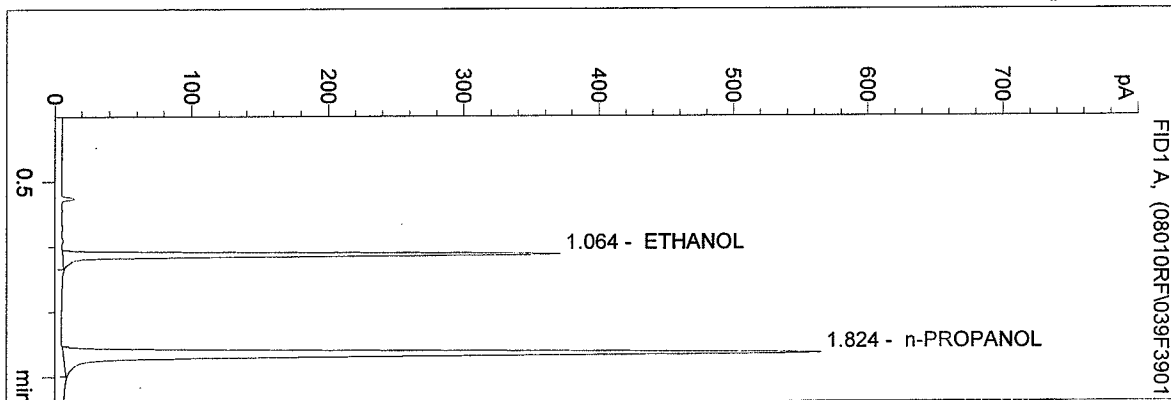
1.000 g/100ml

RF

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 Instrument 3
 db-alc2

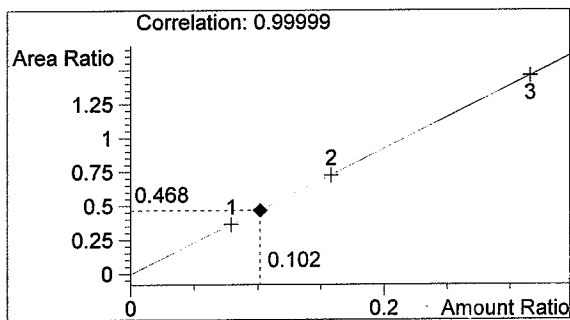
0.10 CTL-RF
 Rebecca Flaherty

vial # 39



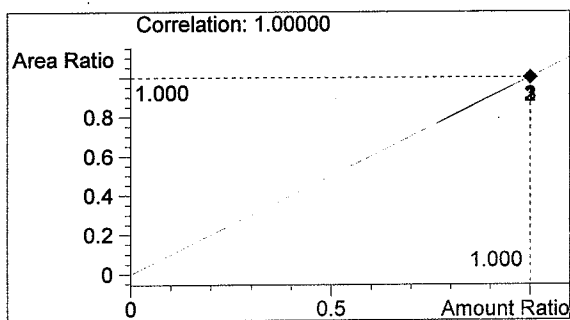
#	Compound	Area	RT
1	ETHANOL	734	1.064
2	n-PROPANOL	1568	1.824

Totals:



ETHANOL

0.102 g/100ml



n-PROPANOL

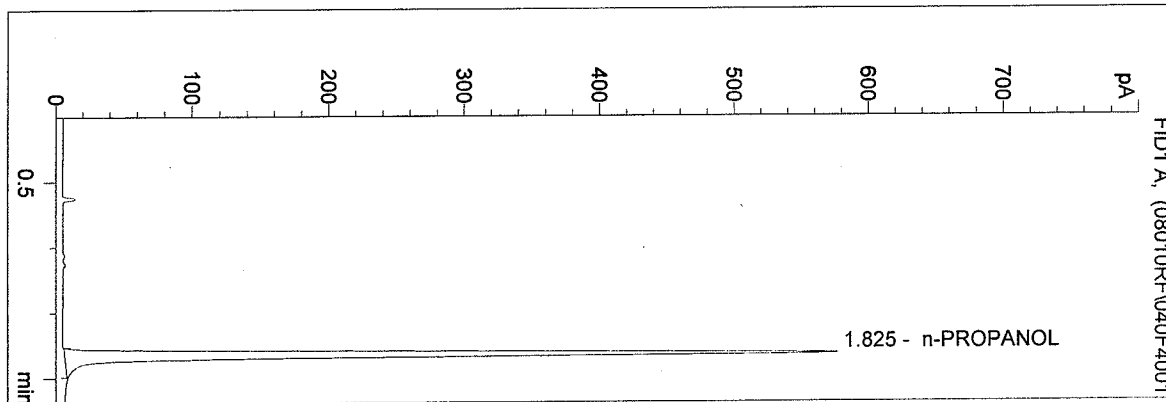
1.000 g/100ml

RF

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 Instrument 3
 db-alc2

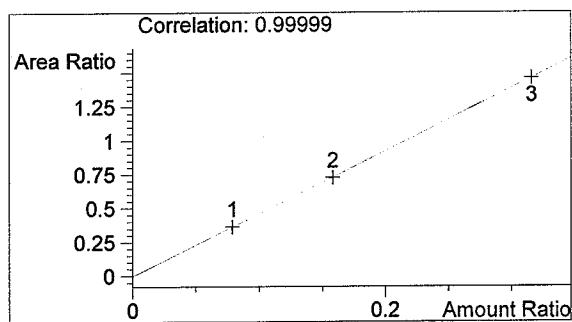
BLANK
 Rebecca Flaherty

vial # 40



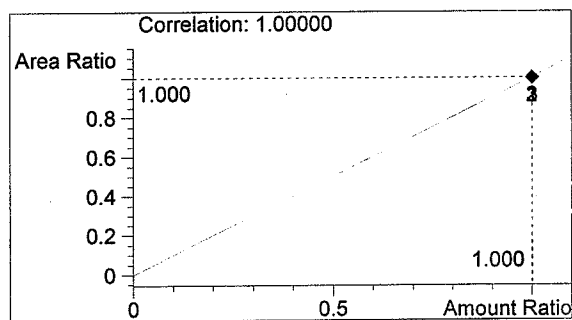
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1599	1.825

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

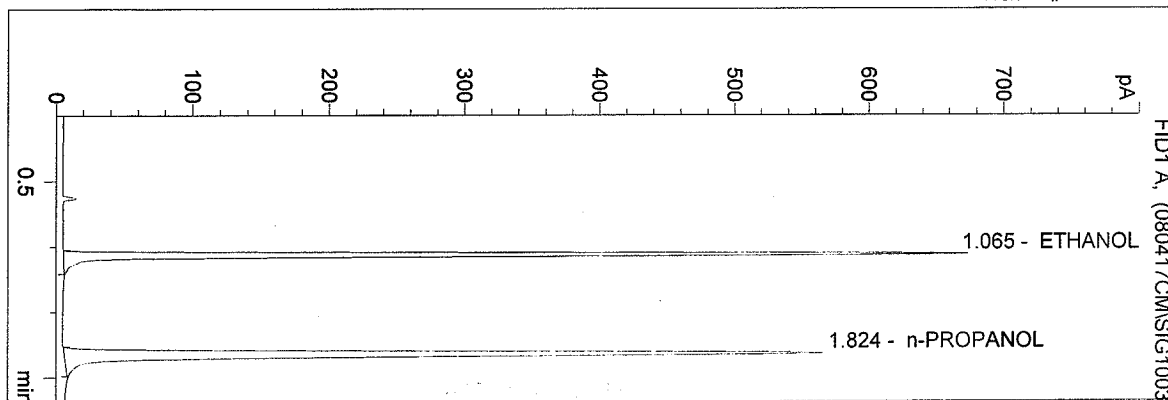
1.000 g/100ml

RF

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 Instrument 3
 db-alc2

QA08022-1
 Christie Mitchell

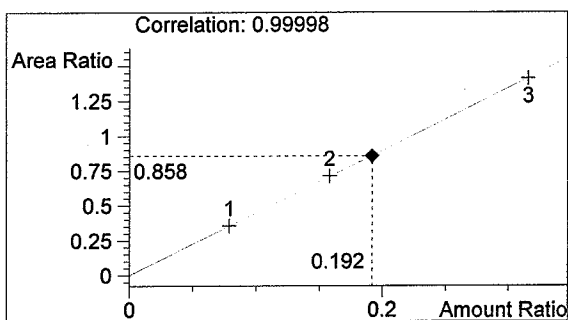
vial # 34



#	Compound	Area	RT
1	ETHANOL	1344	1.065
2	n-PROPANOL	1567	1.824

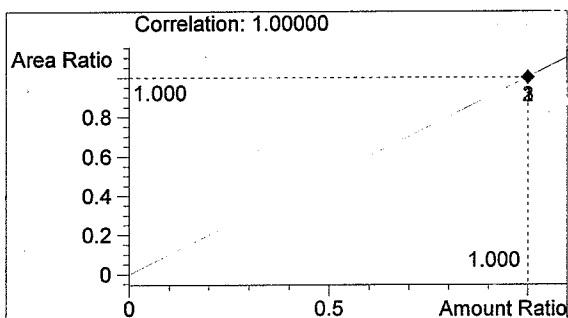
Totals:

CM



ETHANOL

0.192 g/100ml



n-PROPANOL

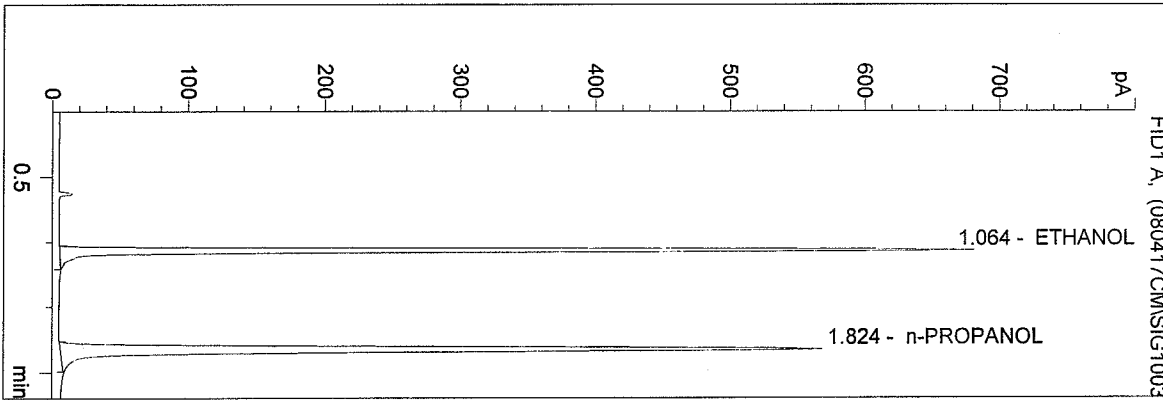
1.000 g/100ml

*Calibration filed with QA 08019
 CM 4/17/2008*

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 Instrument 3
 db-alc2

QA08022-2
 Christie Mitchell

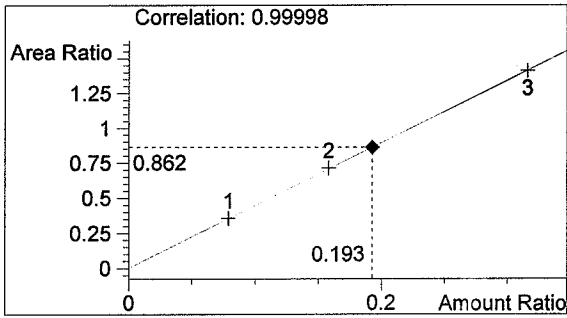
vial # 35



#	Compound	Area	RT
1	ETHANOL	1358	1.064
2	n-PROPANOL	1575	1.824

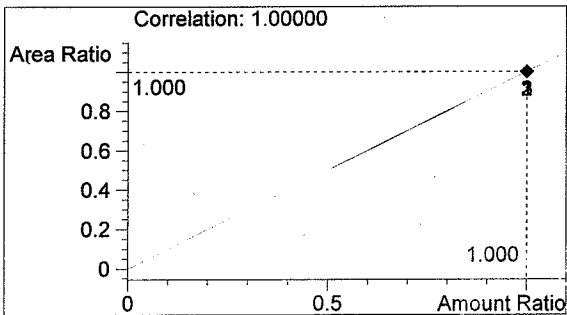
Totals:

CM



ETHANOL

0.193 g/100ml



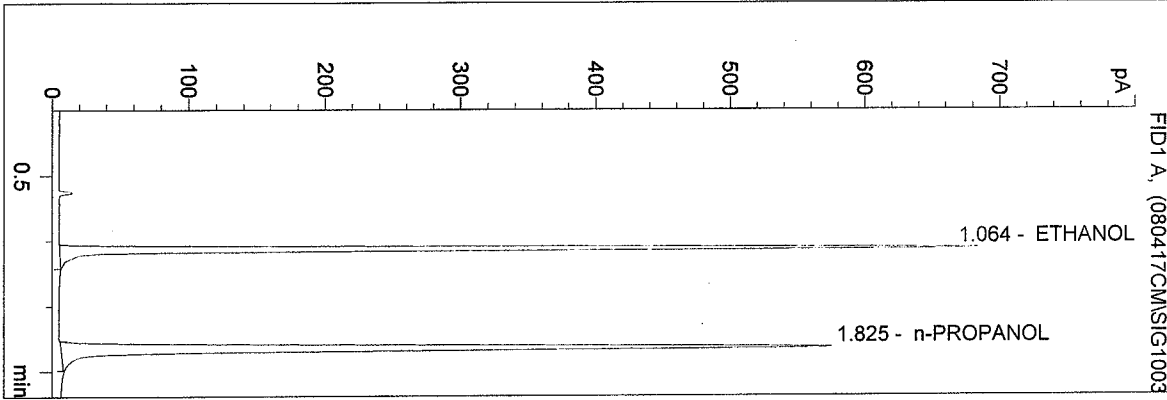
n-PROPANOL

1.000 g/100ml

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 Instrument 3
 db-alc2

QA08022-3
 Christie Mitchell

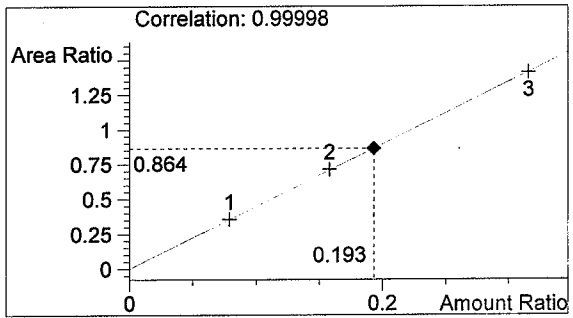
vial # 36



#	Compound	Area	RT
1	ETHANOL	1374	1.064
2	n-PROPANOL	1590	1.825

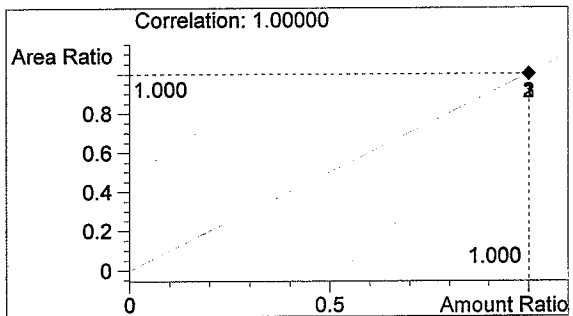
Totals:

CM



ETHANOL

0.193 g/100ml



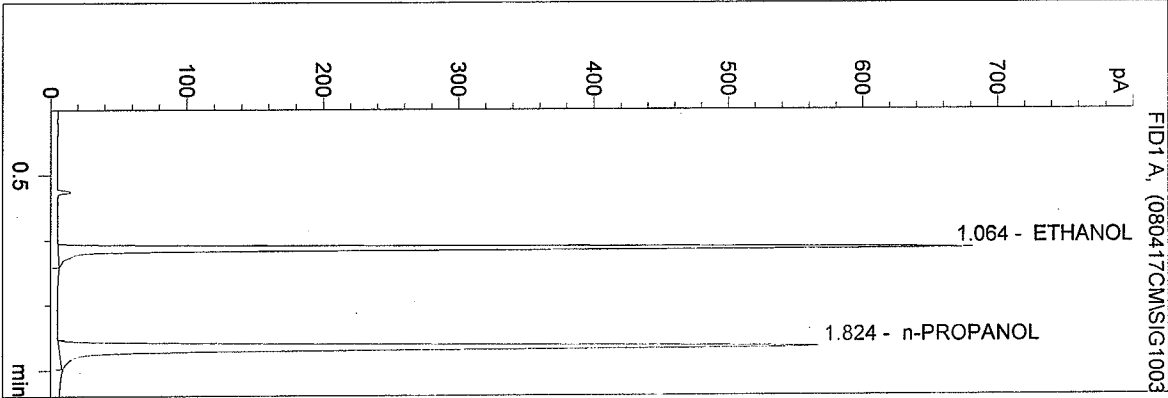
n-PROPANOL

1.000 g/100ml

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 Instrument 3
 db-alc2

QA08022-4
 Christie Mitchell

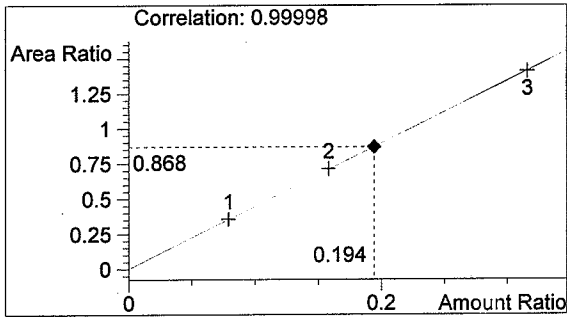
vial # 37



#	Compound	Area	RT
1	ETHANOL	1362	1.064
2	n-PROPANOL	1568	1.824

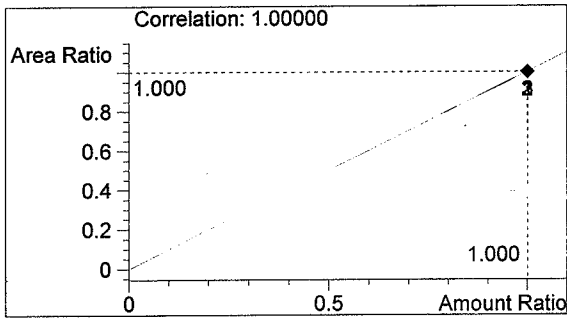
Totals:

CM



ETHANOL

0.194 g/100ml



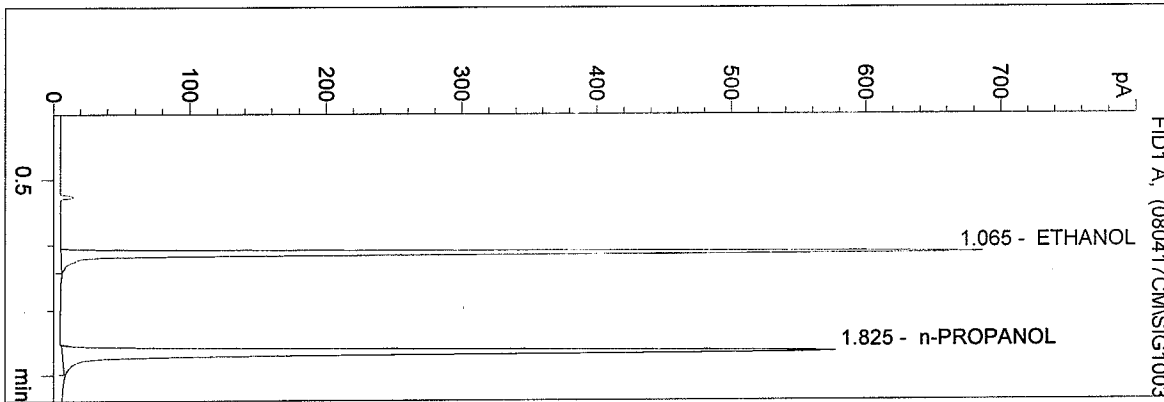
n-PROPANOL

1.000 g/100ml

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 Instrument 3
 db-alc2

QA08022-5
 Christie Mitchell

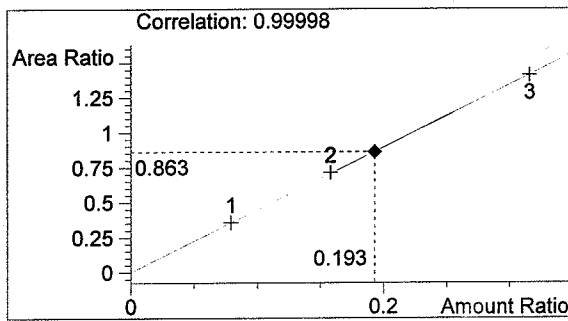
vial # 38



#	Compound	Area	RT
1	ETHANOL	1378	1.065
2	n-PROPANOL	1597	1.825

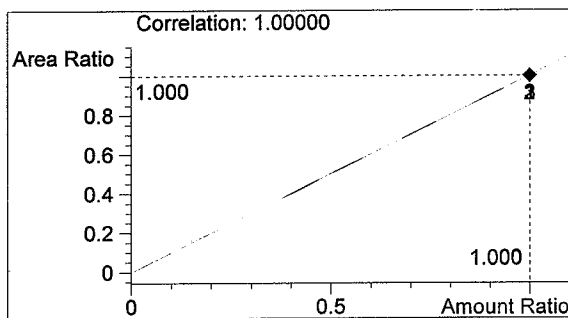
Totals:

CM



ETHANOL

0.193 g/100ml



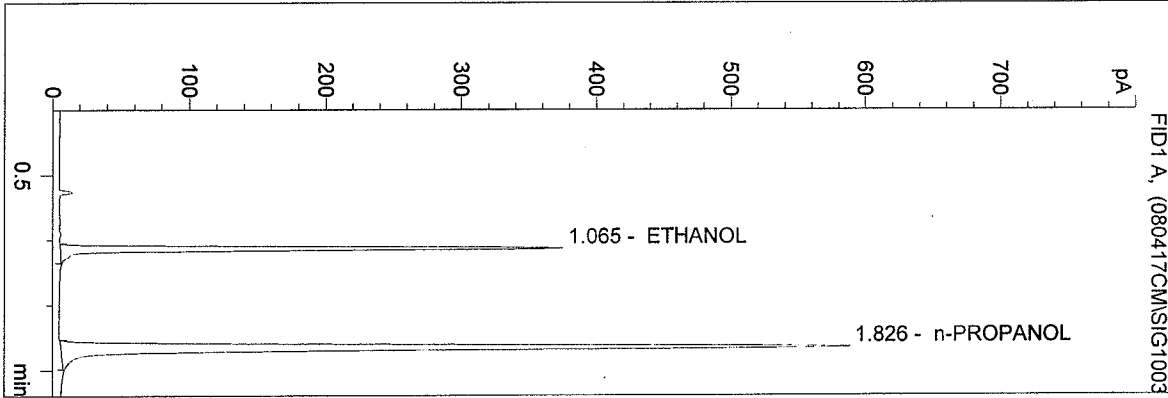
n-PROPANOL

1.000 g/100ml

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 4/17/2008 11:10:54 AM
 Instrument 3
 db-alc2

0.10 CTRL-CM
 Christie Mitchell

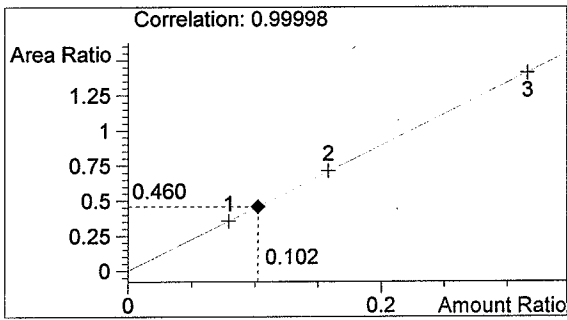
vial # 39



#	Compound	Area	RT
1	ETHANOL	751	1.065
2	n-PROPANOL	1634	1.826

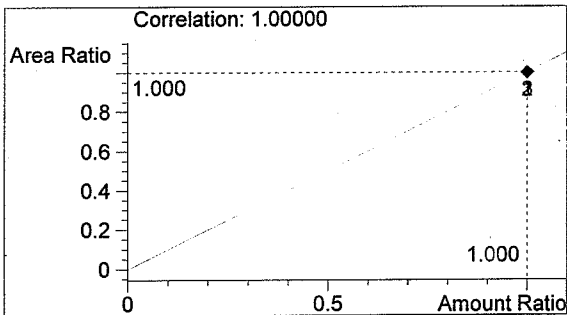
Totals:

CM



ETHANOL

0.102 g/100ml



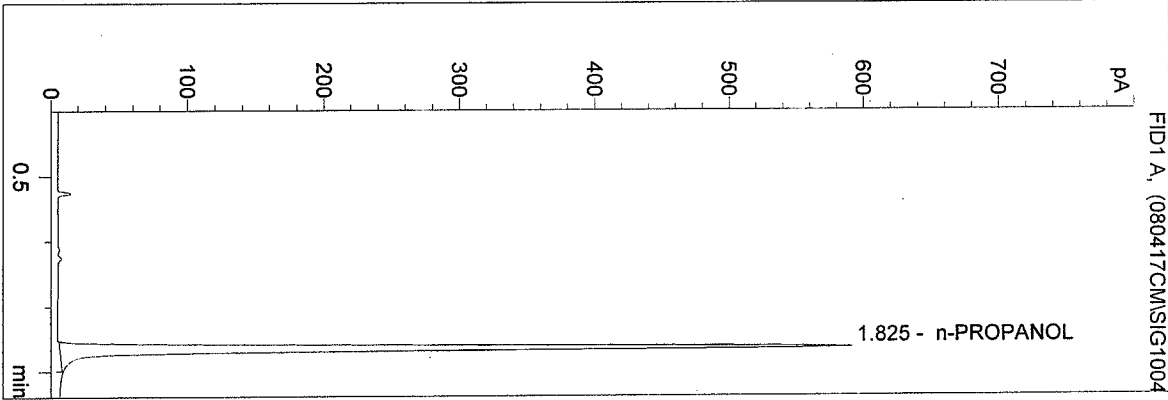
n-PROPANOL

1.000 g/100ml

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 Instrument 3
 db-alc2

BLANK
 Christie Mitchell

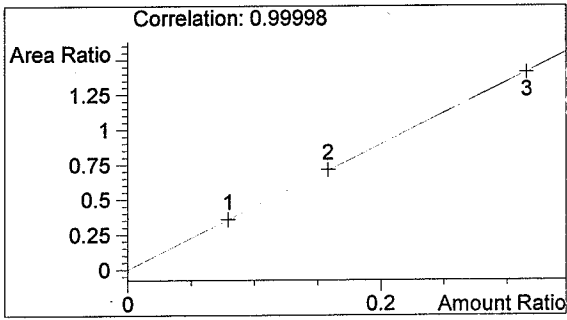
vial # 40



#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1636	1.825

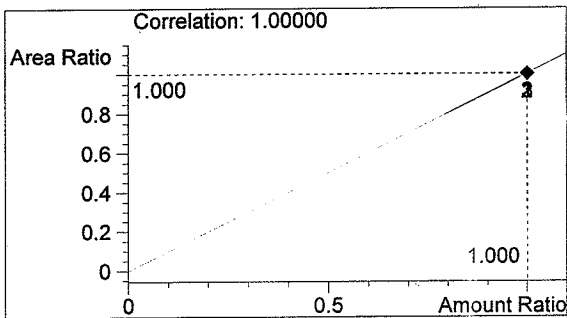
Totals:

cm



ETHANOL

0.000 g/100ml



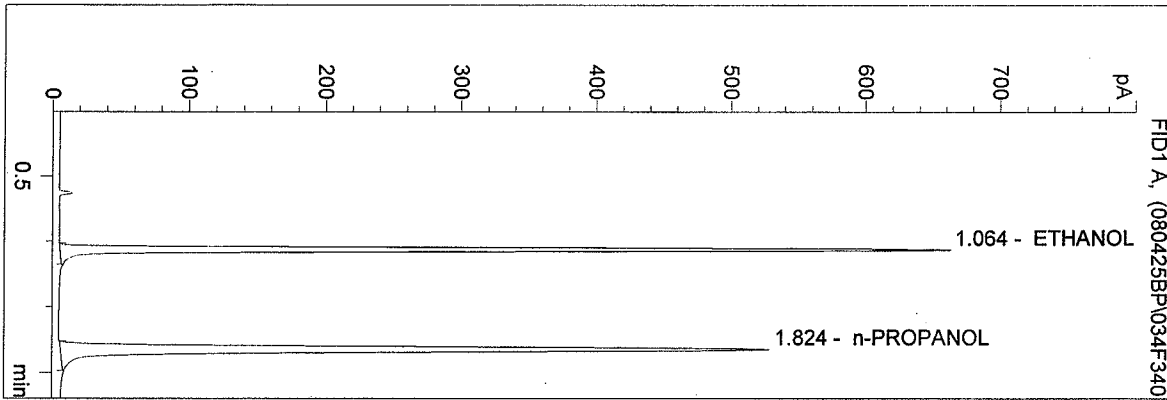
n-PROPANOL

1.000 g/100ml

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 4/25/2008 3:23:00 PM
 Instrument 3
 db-alc2

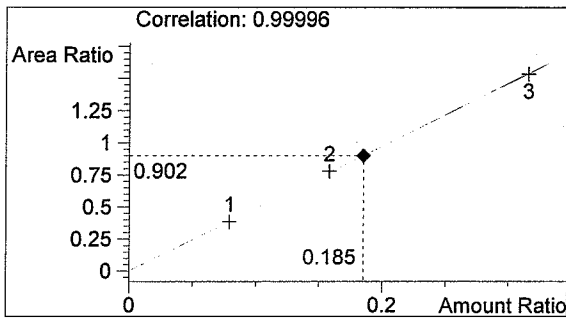
QA08022-1
 Brianna Peterson

vial # 34



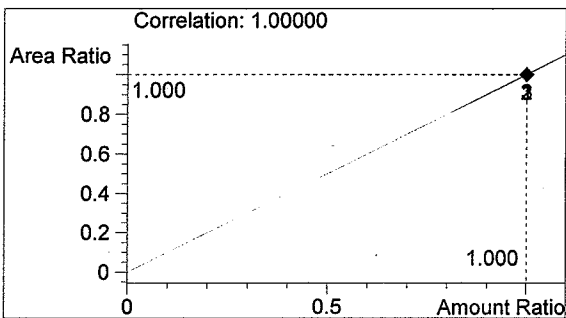
#	Compound	Area	RT
1	ETHANOL	1321	1.064
2	n-PROPANOL	1466	1.824

Totals:



ETHANOL

0.185 g/100ml



n-PROPANOL

1.000 g/100ml

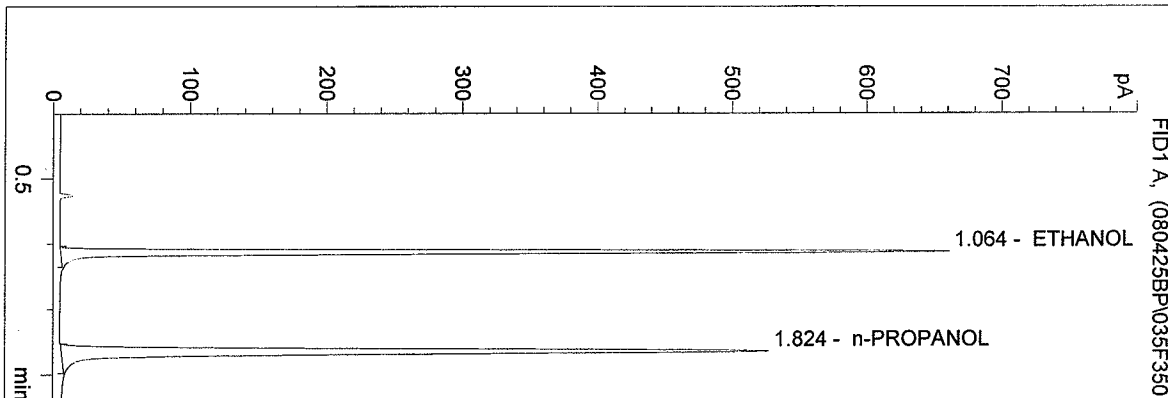
BP

CALIBRATION DATA FILED WITH 08019

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:26:07 PM
 Instrument 3
 db-alc2

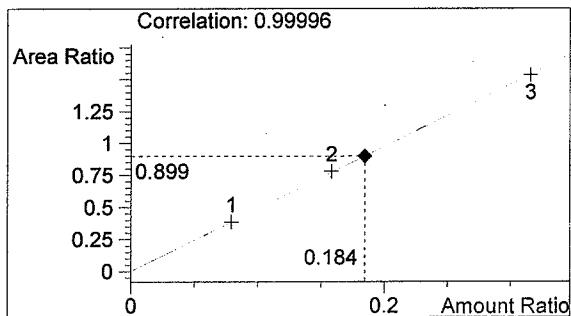
QA08022-2
 Brianna Peterson

vial # 35



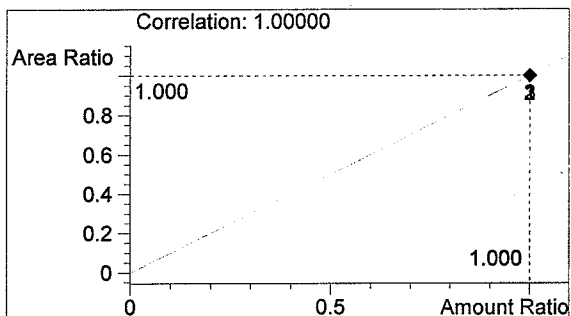
#	Compound	Area	RT
1	ETHANOL	1316	1.064
2	n-PROPANOL	1464	1.824

Totals:



ETHANOL

0.184 g/100ml



n-PROPANOL

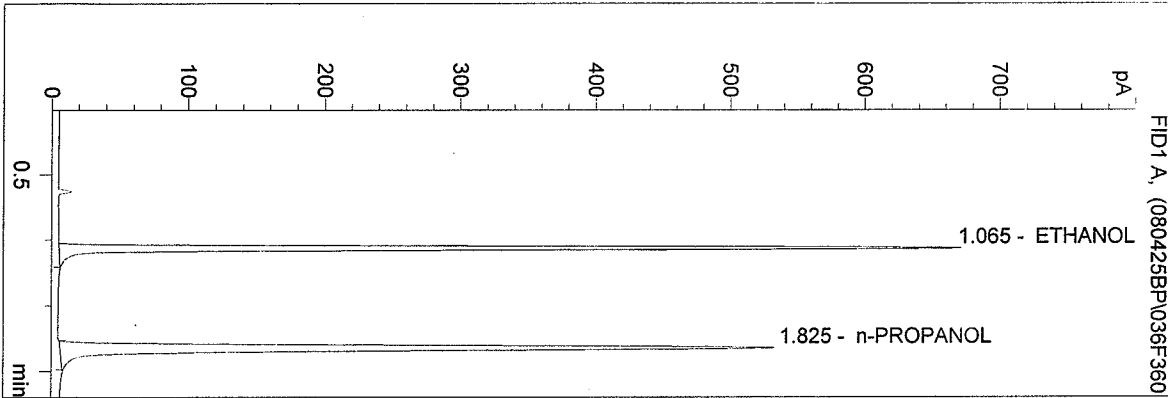
1.000 g/100ml

BP

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 4/25/2008 3:29:14 PM
 Instrument 3
 db-alc2

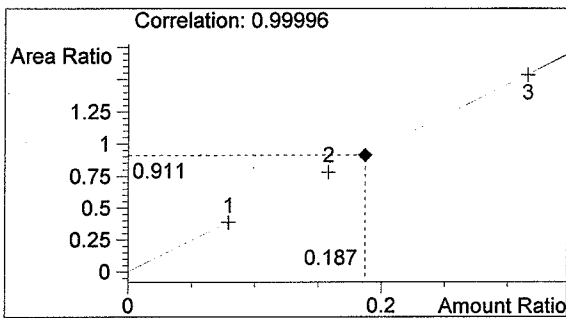
QA08022-3
 Brianna Peterson

vial # 36



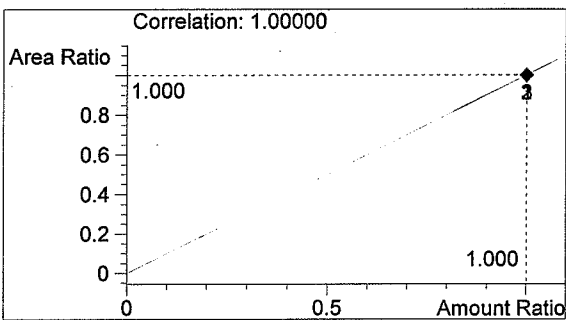
#	Compound	Area	RT
1	ETHANOL	1343	1.065
2	n-PROPANOL	1475	1.825

Totals:



ETHANOL

0.187 g/100ml



n-PROPANOL

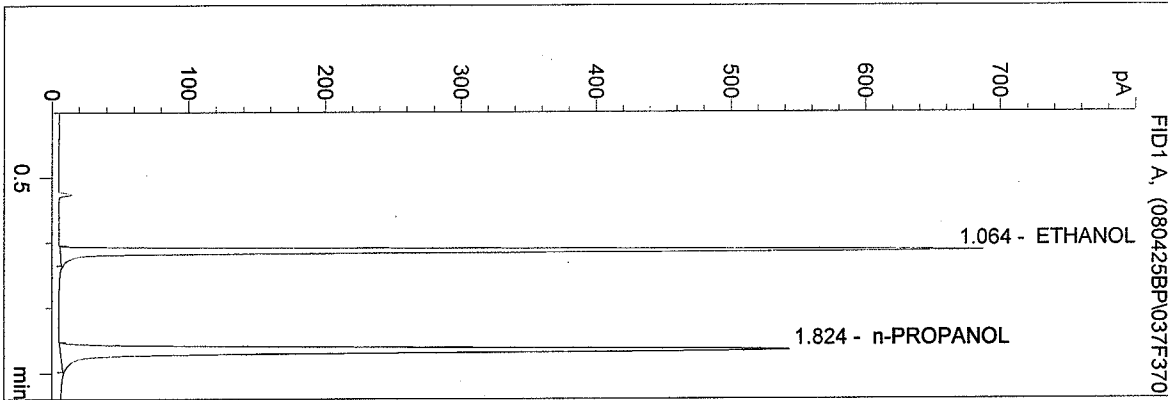
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:32:21 PM
 Instrument 3
 db-alc2

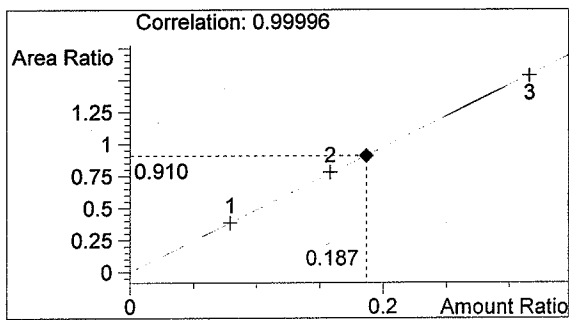
QA08022-4
 Brianna Peterson

vial # 37



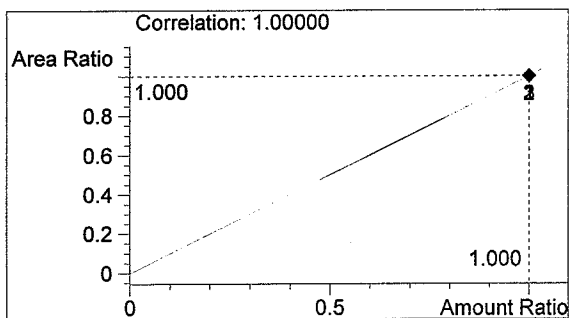
#	Compound	Area	RT
1	ETHANOL	1371	1.064
2	n-PROPANOL	1507	1.824

Totals:



ETHANOL

0.187 g/100ml



n-PROPANOL

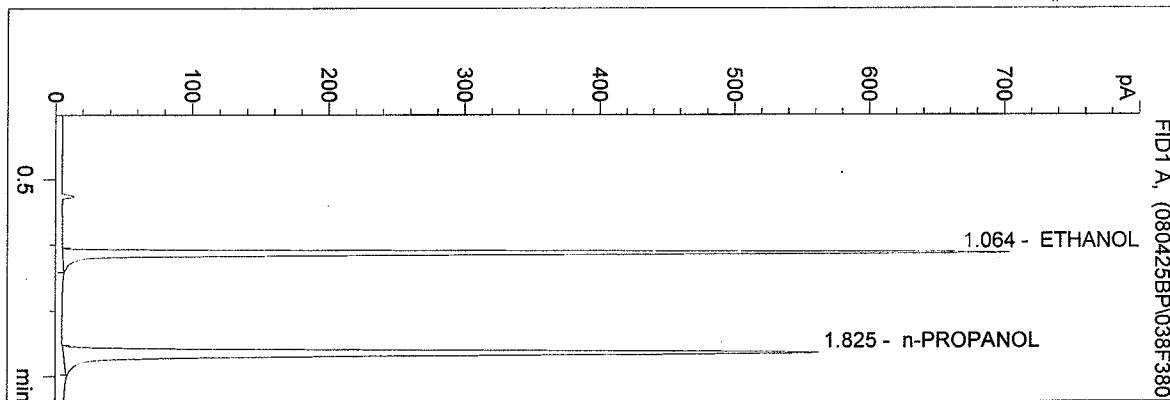
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:35:28 PM
 Instrument 3
 db-alc2

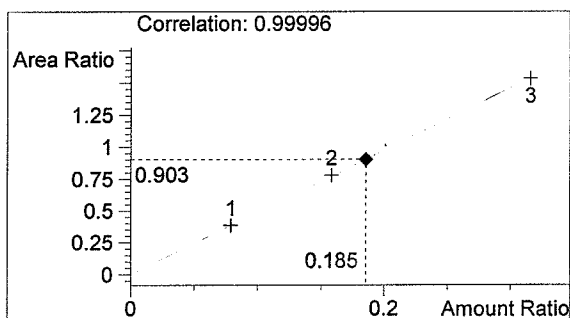
QA08022-5
 Brianna Peterson

vial # 38



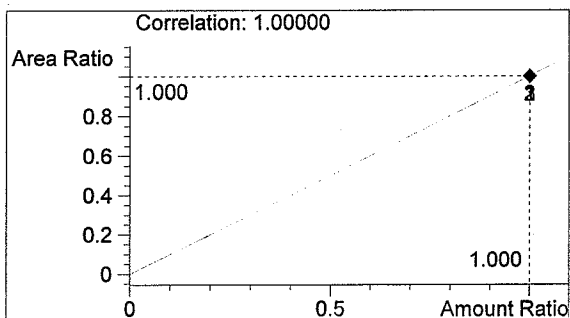
#	Compound	Area	RT
1	ETHANOL	1408	1.064
2	n-PROPANOL	1559	1.825

Totals:



ETHANOL

0.185 g/100ml



n-PROPANOL

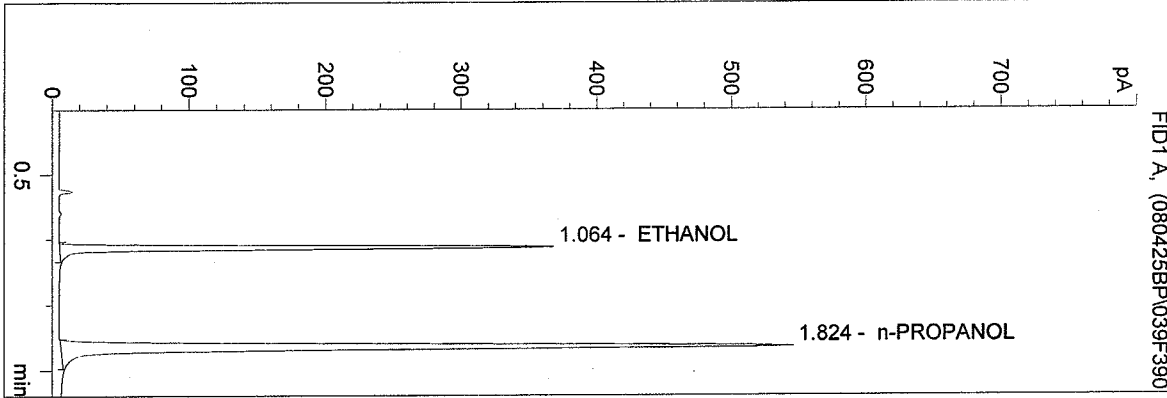
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:38:36 PM
 Instrument 3
 db-alc2

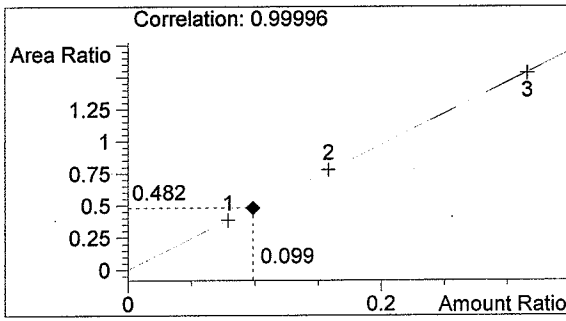
0.10 CTL-BP
 Brianna Peterson

vial # 39

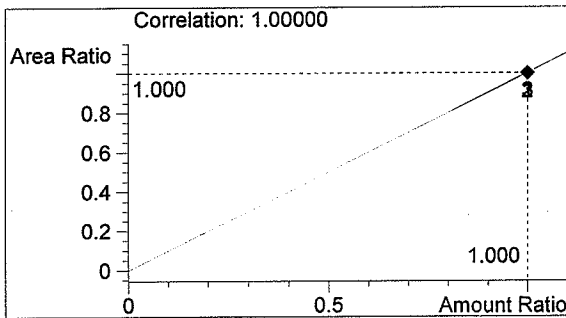


#	Compound	Area	RT
1	ETHANOL	729	1.064
2	n-PROPANOL	1512	1.824

Totals:



0.099 g/100ml



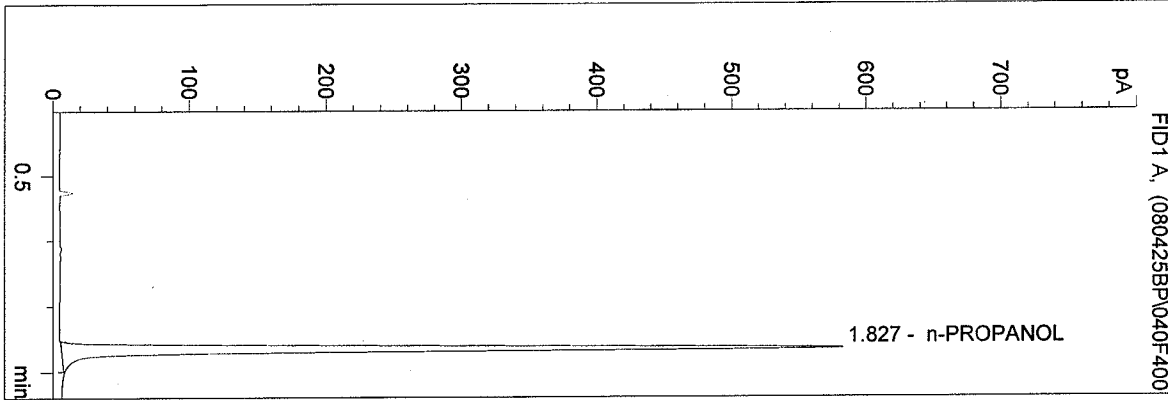
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\BLDALCO3.M
 4/25/2008 3:41:43 PM
 Instrument 3
 db-alc2

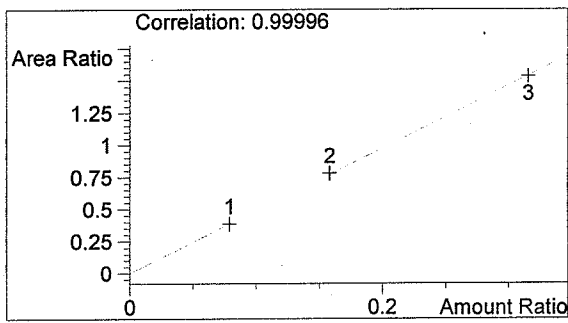
BLANK
 Brianna Peterson

vial # 40



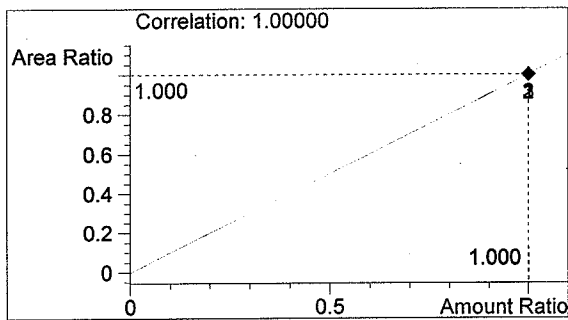
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1620	1.827

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

BP