

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



Reviewer/s: KEN DEATON / RDS GULBERG Date: 4/10/2008

Location: TOX LAB SEATTLE Solution Batch Number: 08013

	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: *RDS Gulberg* Date: 4-10-2008
 Reviewer Signature: *K-L Deaton* Date: 4-10-2008

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 **08013**

Date prepared: 03/26/2008

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	0.194	0.189	0.187
2	0.191	0.192	0.187
3	0.190	0.192	0.190
4	0.191	0.192	0.187
5	0.199	0.191	0.188
Ctrl	0.104	0.102	0.101

Statistics:

Avg. solution concent.: 0.1907 g/100 mL
 SD: 0.00313
 Range (3.8XSD): 0.1788 to 0.2026
 Precision CV (%): 1.6424 %

External Control:

Lot #: A050528 Exp date: 07 / 2011
 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	Lisa Noble	<i>Lisa Noble</i>	03/27/2008
2	Erin Kolbrich	<i>Erin Kolbrich</i>	03/26/2008
3	Gwynyth Scherperel	<i>Gwynyth Scherperel</i>	03/27/2008

Prepared by: Lisa Noble according to the approved protocol.

Final review by: BC

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 08013

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 quality assurance solution, Lot Number 08013, was prepared in the Washington State Toxicology Laboratory on 3/26/2008. 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 3/26/2009.

Seattle, WA

Gwynyth Scherperel 4/10/08
Gwynyth Scherperel Date
Forensic Toxicologist

GS/jr
GSQA



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 08013

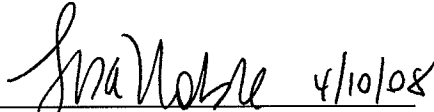
I, Lisa R Noble, do certify under penalty of perjury that:

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 and two years laboratory experience in forensic toxicology.

The quality assurance solution, Lot Number 08013, was prepared in the Washington State Toxicology Laboratory on 3/26/2008. 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 3/26/2009.

Seattle, WA



Lisa R Noble 4/10/08
Forensic Toxicologist Date

LN/jr
LPQA



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 08013

I, Erin A Kolbrich, 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 Forensic Chemistry and Ph.D. degree in Toxicology.

The quality assurance solution, Lot Number 08013, was prepared in the Washington State Toxicology Laboratory on 3/26/2008. 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 3/26/2009.

Seattle, WA

A handwritten signature in cursive script, appearing to read "Erin A Kolbrich", followed by the date "4-10-08".

Erin A Kolbrich, Ph.D. Date
Forensic Toxicologist

EK/jr
EKQA



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:

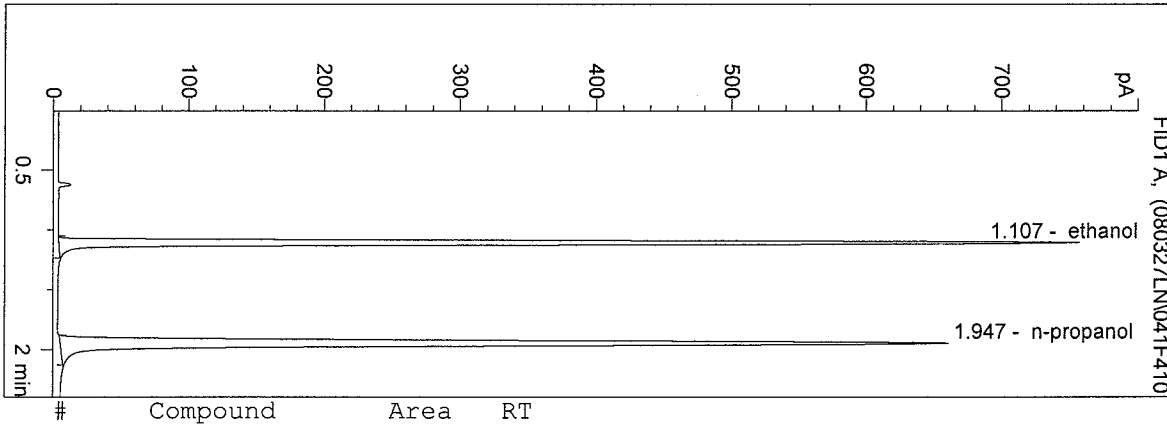
- 1 – Initialed your chromatograms
- 2 – Checked your data
- 3 – Checked the date to the right of your name on the worksheet
- 4 – Signed the worksheet.

Initials	Date
Amanda Black	
Asa Louis	
Brian Capron	
Brianna Peterson	
Brianne Akins	
Brittany Ball	
Christie Mitchell	
Christopher Johnston	
Erin Kolbrich	EK 4/10/08
Estuardo Miranda	
Gwynyth Scherperel	GS 4/10/08
Justin Knoy	
Lisa Noble	LN 4/10/08
Melissa Pemberton	
Naziha Nuwayhid	
Rebecca Flaherty	
Sarah Swenson	

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 2:28:55 PM
 Instrument 5
 DB-ALC2

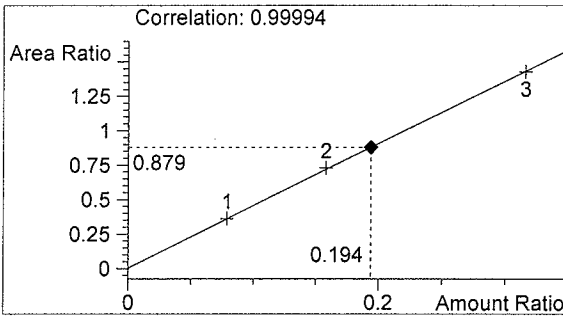
08013-1
 Lisa Noble

vial # 41



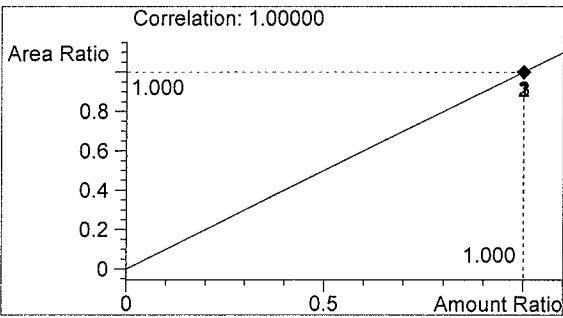
#	Compound	Area	RT
1	ethanol	1812	1.107
2	n-propanol	2060	1.947

Totals:



ethanol 0.194 g/100ml

Ln



n-propanol 1.000 g/100ml

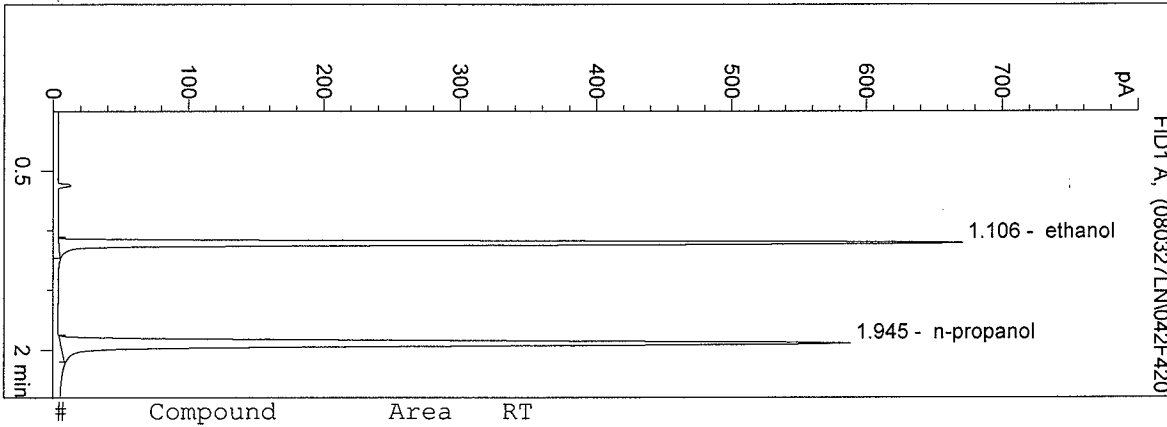
for calibration see
 SIM 08009

Ln 2/27/08

D:\HPCHEM\1\METHODS\BLDALCO2.M
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 Instrument 5
 DB-ALC2

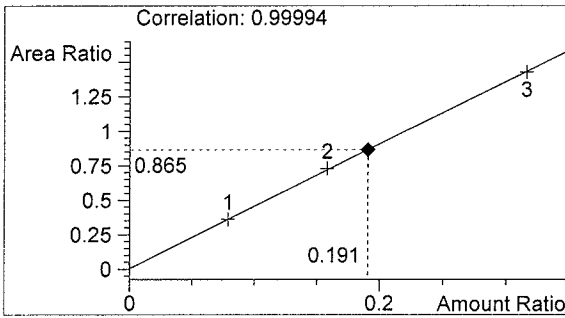
08013-2
 Lisa Noble

vial # 42



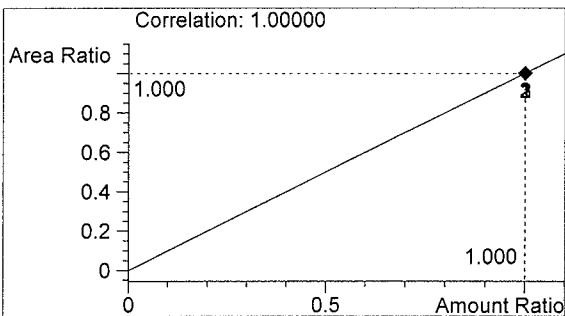
#	Compound	Area	RT
1	ethanol	1579	1.106
2	n-propanol	1825	1.945

Totals:



ethanol 0.191 g/100ml

ln

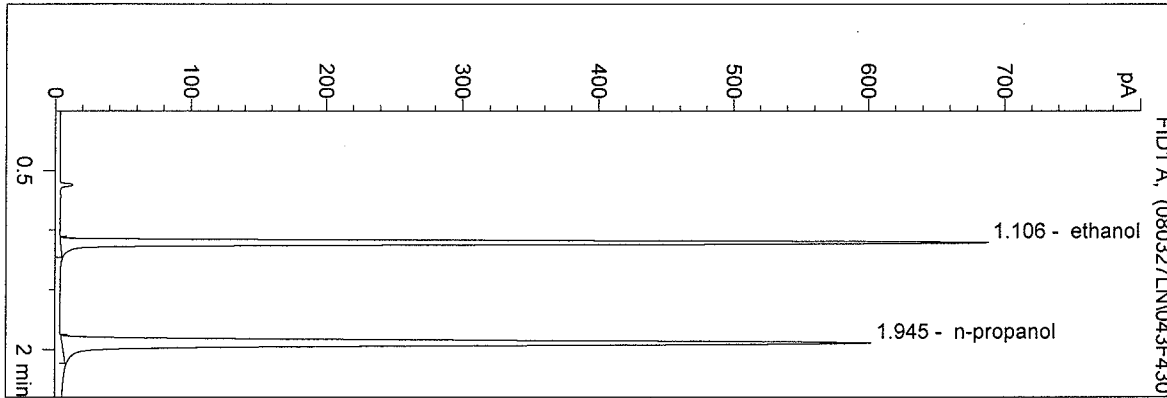


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
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 Instrument 5
 DB-ALC2

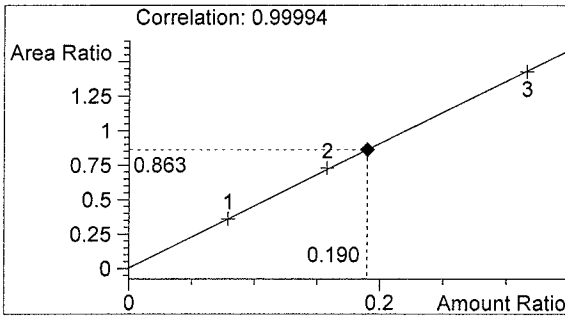
08013-3
 Lisa Noble

vial # 43



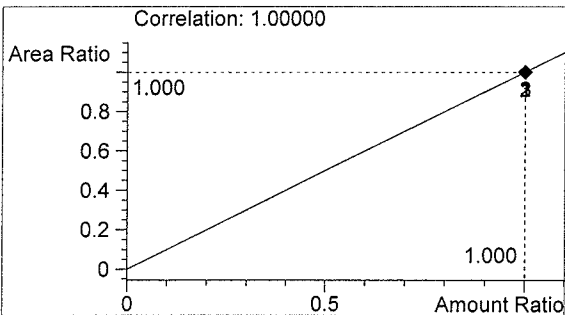
#	Compound	Area	RT
1	ethanol	1616	1.106
2	n-propanol	1873	1.945

Totals:



ethanol 0.190 g/100ml

Ln

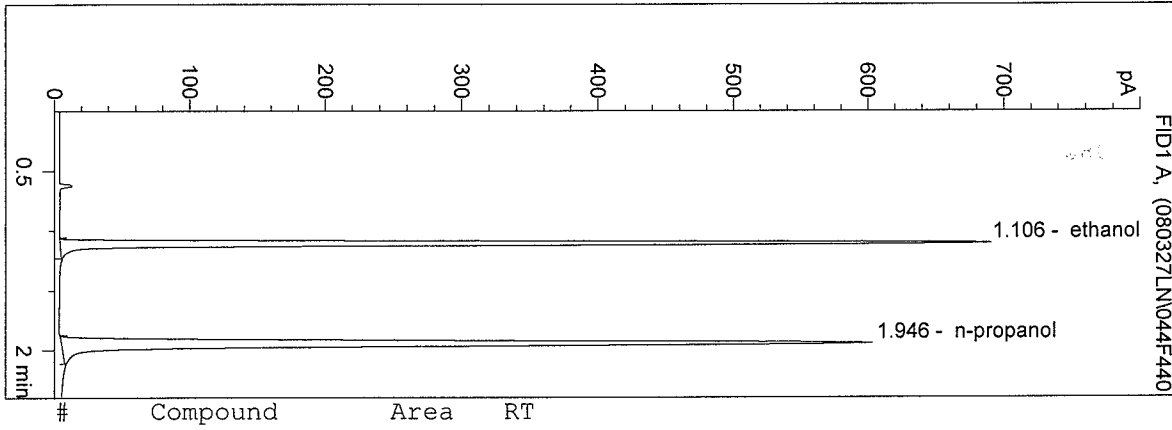


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
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 Instrument 5
 DB-ALC2

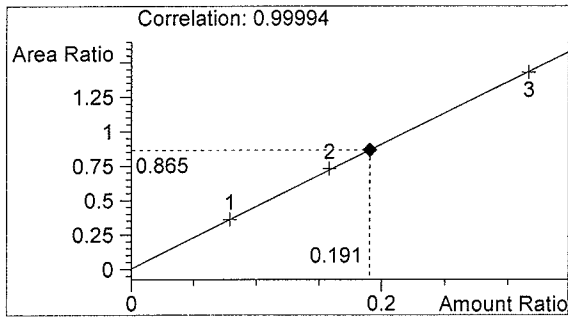
08013-4
 Lisa Noble

vial # 44

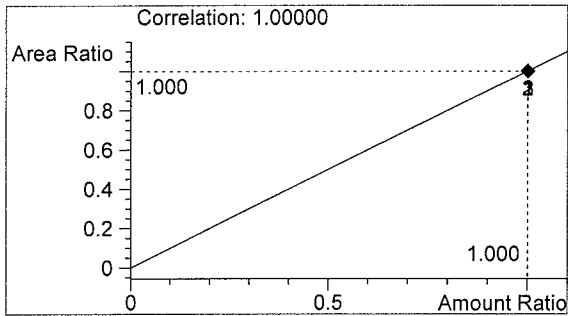


#	Compound	Area	RT
1	ethanol	1621	1.106
2	n-propanol	1874	1.946

Totals:



ethanol 0.191 g/100ml

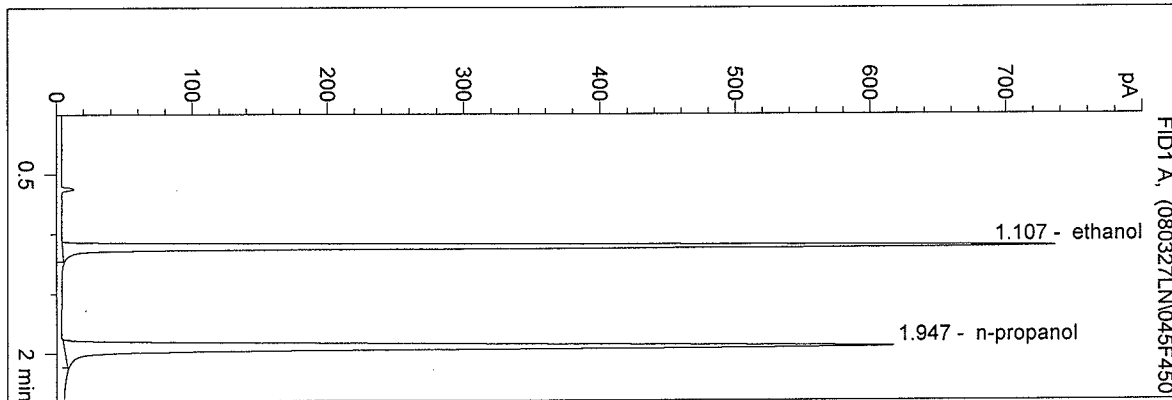


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 2:44:10 PM
 Instrument 5
 DB-ALC2

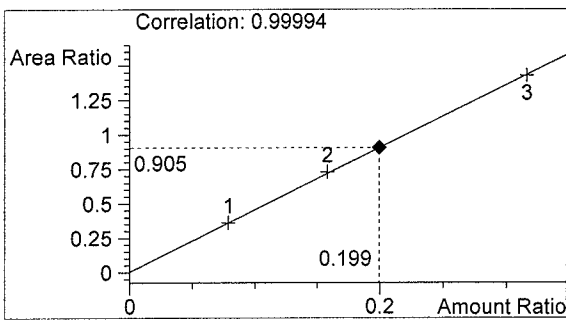
08013-5
 Lisa Noble

vial # 45



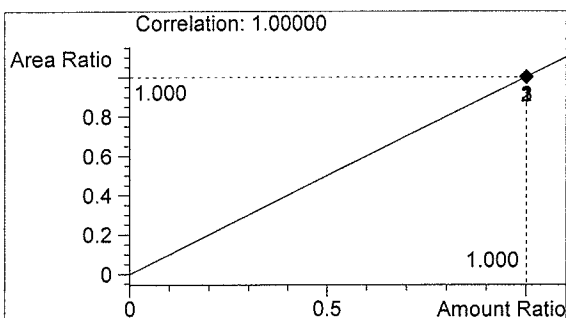
#	Compound	Area	RT
1	ethanol	1731	1.107
2	n-propanol	1913	1.947

Totals:



ethanol 0.199 g/100ml

ln

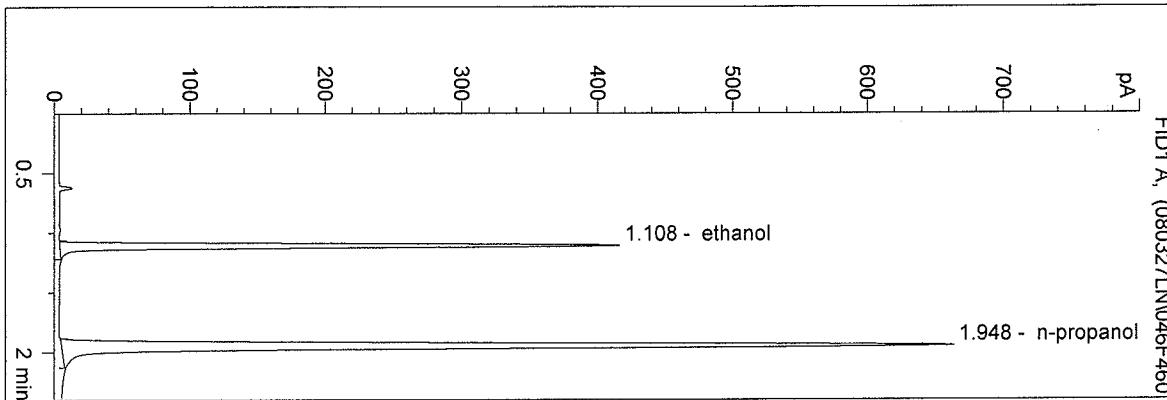


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
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 Instrument 5
 DB-ALC2

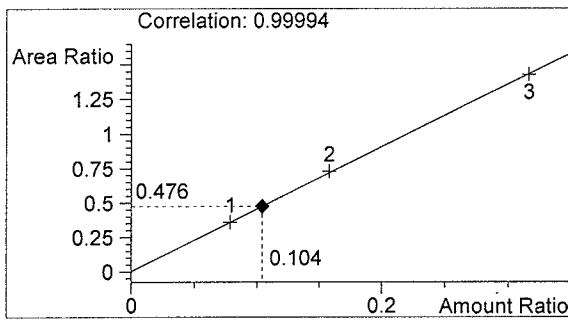
0.10 CONTROL LN
 Lisa Noble

vial # 46



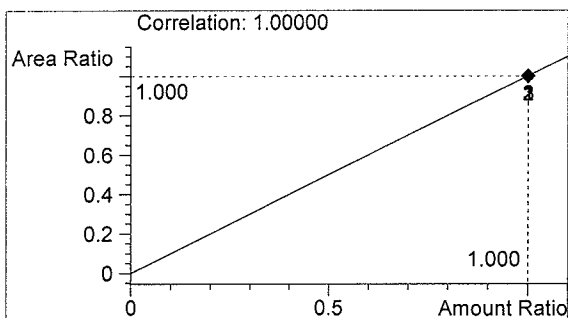
#	Compound	Area	RT
1	ethanol	980	1.108
2	n-propanol	2059	1.948

Totals:



ethanol 0.104 g/100ml

ln

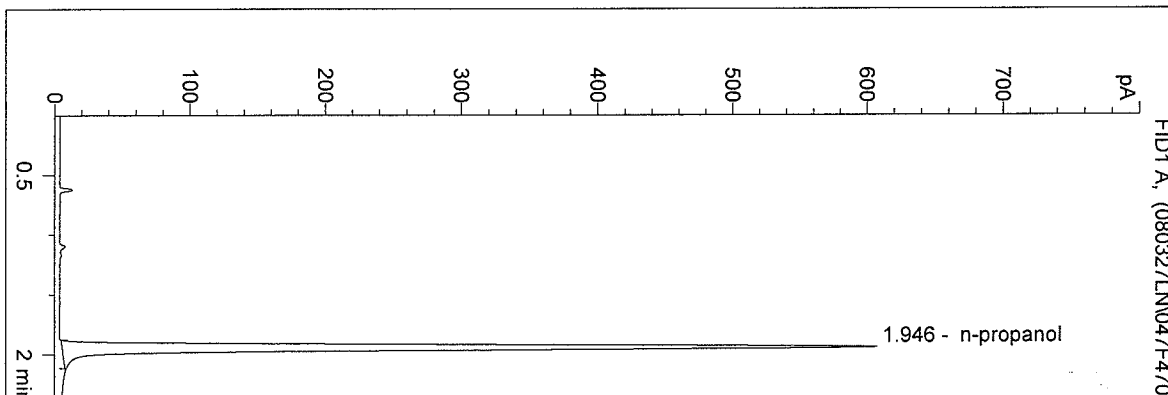


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 2:52:31 PM
 Instrument 5
 DB-ALC2

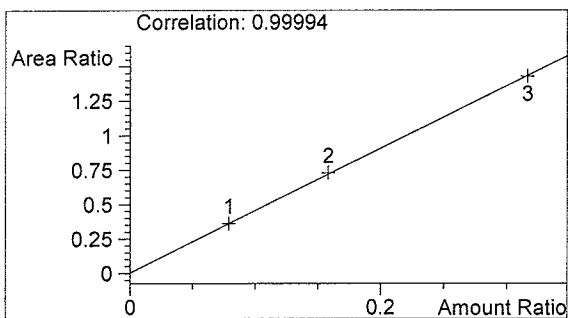
BLANK
 Lisa Noble

vial # 47

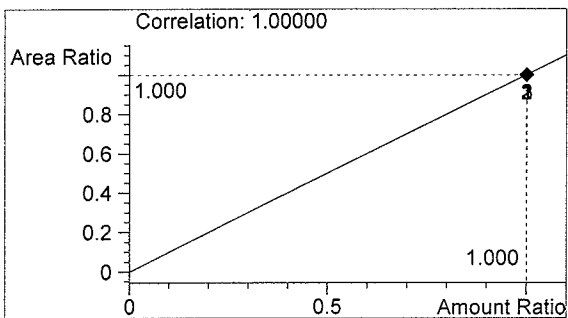


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1886	1.946

Totals:



ethanol 0.000 g/100ml

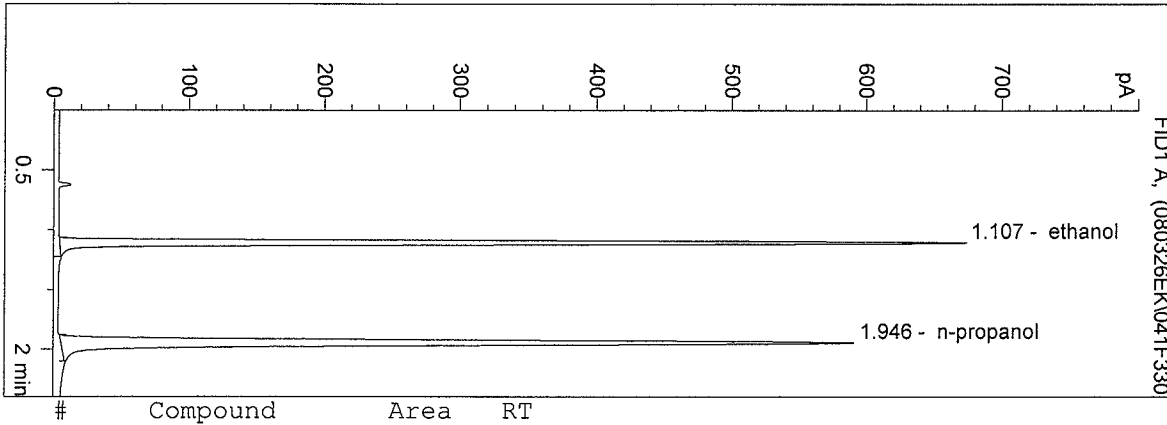


n-propanol 1.000 g/100ml

Ln

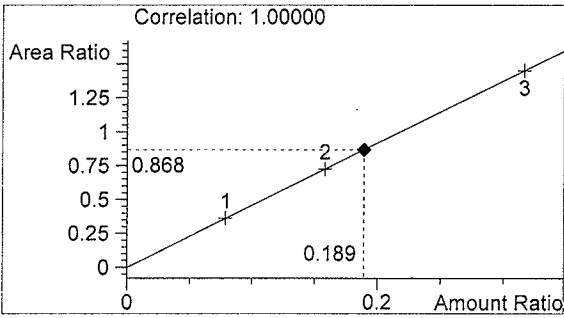
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 Instrument 5
 DB-ALC2

QA08013 1
 Erin Kolbrich
 vial # 41

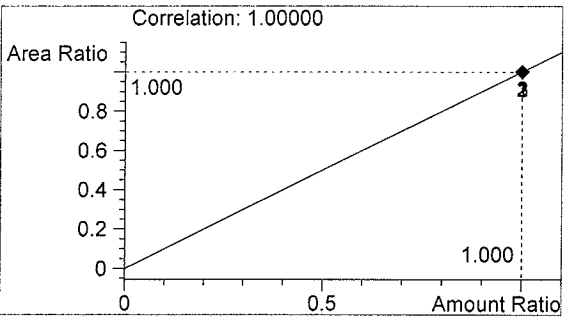


#	Compound	Area	RT
1	ethanol	1587	1.107
2	n-propanol	1829	1.946

Totals:



ethanol 0.189 g/100ml



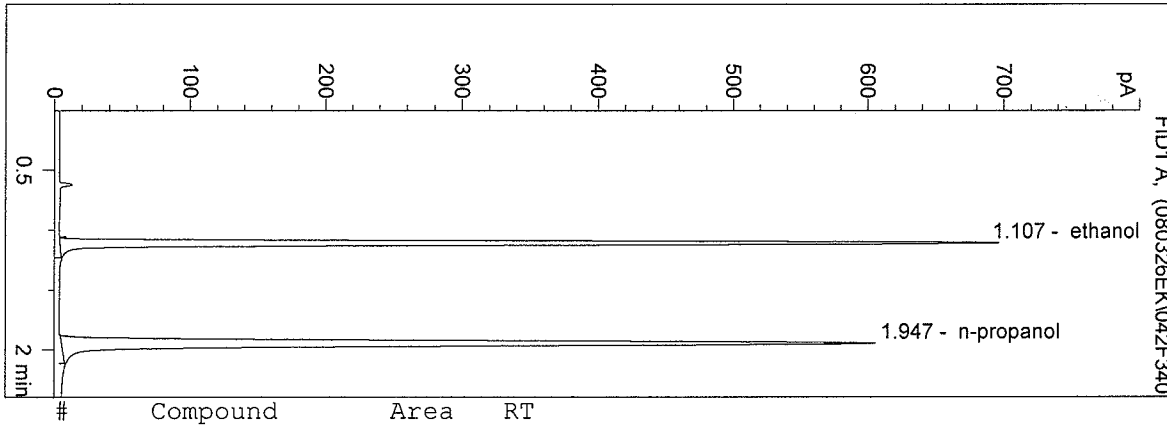
n-propanol 1.000 g/100ml

EK

calib with
 SIM08-009

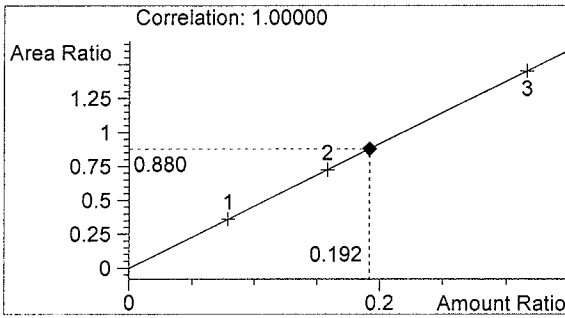
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 Instrument 5
 DB-ALC2

QA08013 2
 Erin Kolbrich
 vial # 42

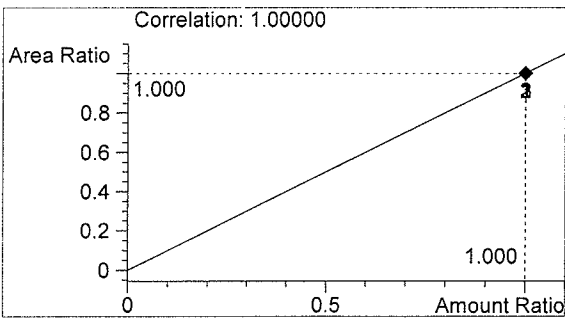


#	Compound	Area	RT
1	ethanol	1654	1.107
2	n-propanol	1879	1.947

Totals:



ethanol 0.192 g/100ml

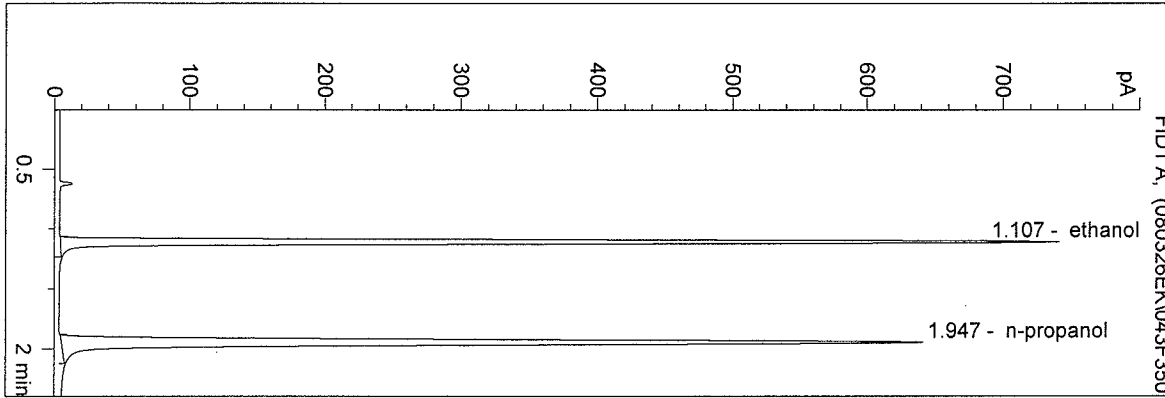


n-propanol 1.000 g/100ml

EK

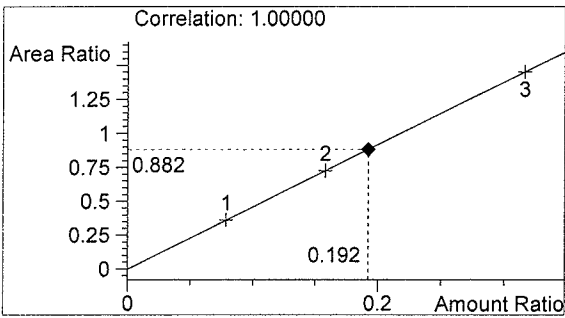
D:\HPCHEM\1\METHODS\BLDALCO2.M
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 Instrument 5
 DB-ALC2

QA08013 3
 Erin Kolbrich
 vial # 43

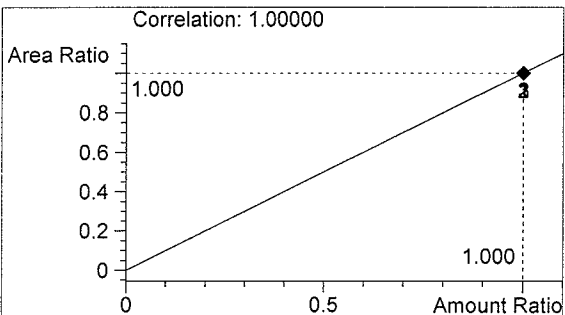


#	Compound	Area	RT
1	ethanol	1757	1.107
2	n-propanol	1991	1.947

Totals:



ethanol 0.192 g/100ml



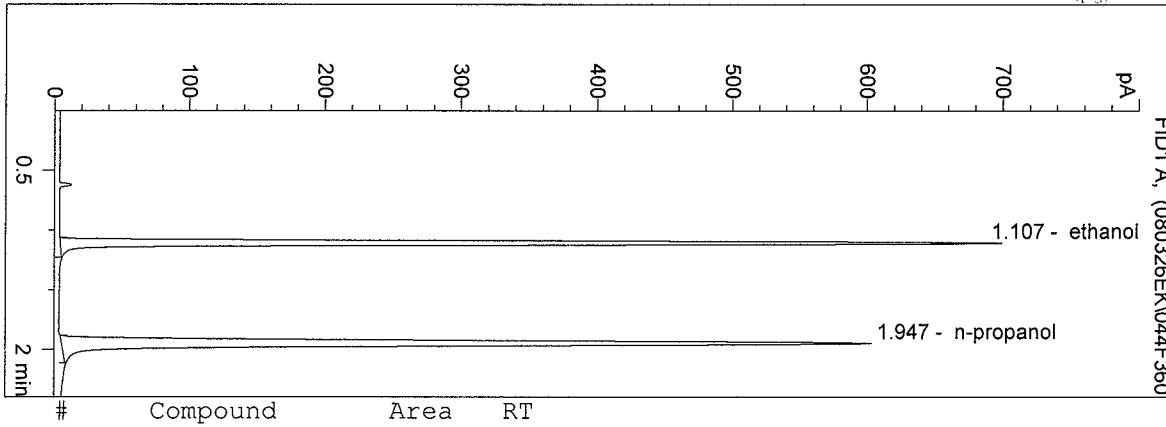
n-propanol 1.000 g/100ml

EW

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/26/2008 3:23:09 PM
 Instrument 5
 DB-ALC2

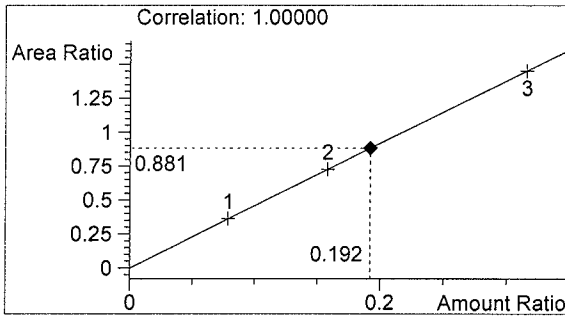
QA08013 4
 Erin Kolbrich

vial # 44

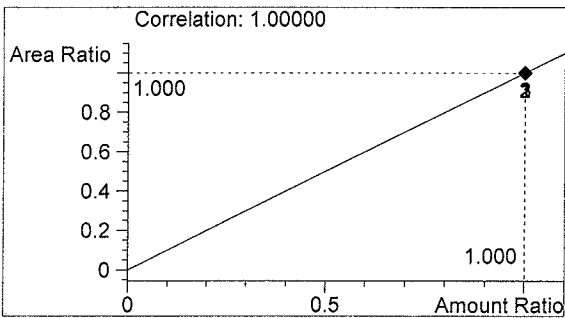


#	Compound	Area	RT
1	ethanol	1653	1.107
2	n-propanol	1876	1.947

Totals:



ethanol 0.192 g/100ml

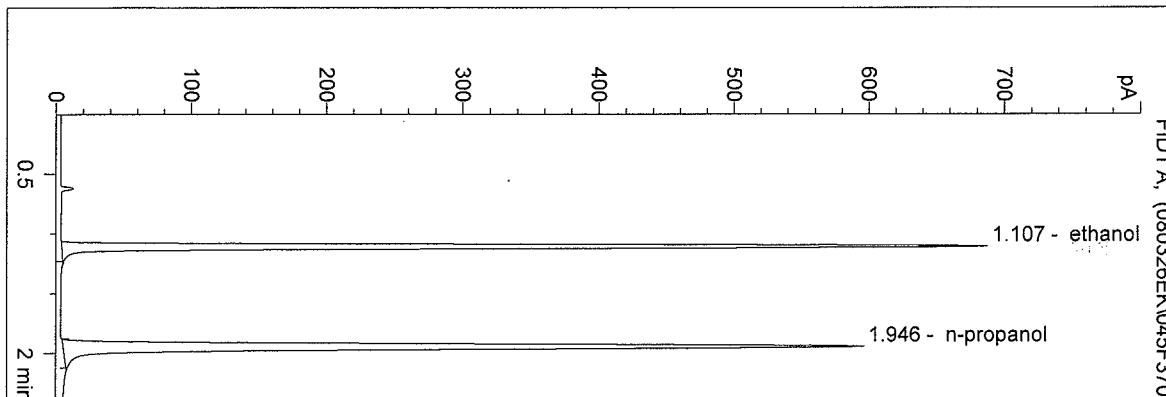


n-propanol 1.000 g/100ml

ek

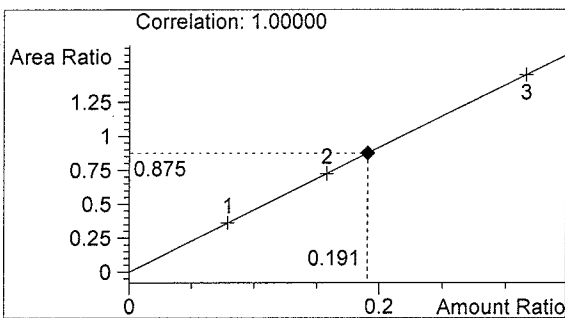
D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/26/2008 3:28:06 PM
 Instrument 5
 DB-ALC2

QA08013 5
 Erin Kolbrich
 vial # 45



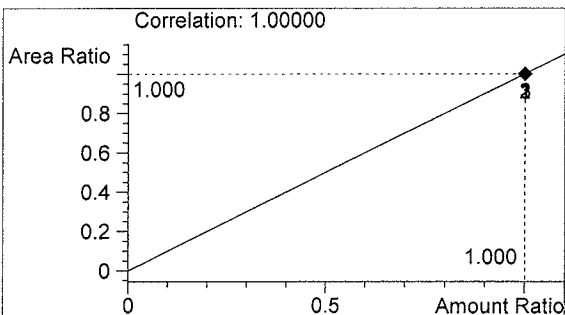
#	Compound	Area	RT
1	ethanol	1619	1.107
2	n-propanol	1850	1.946

Totals:



ethanol 0.191 g/100ml

0.191



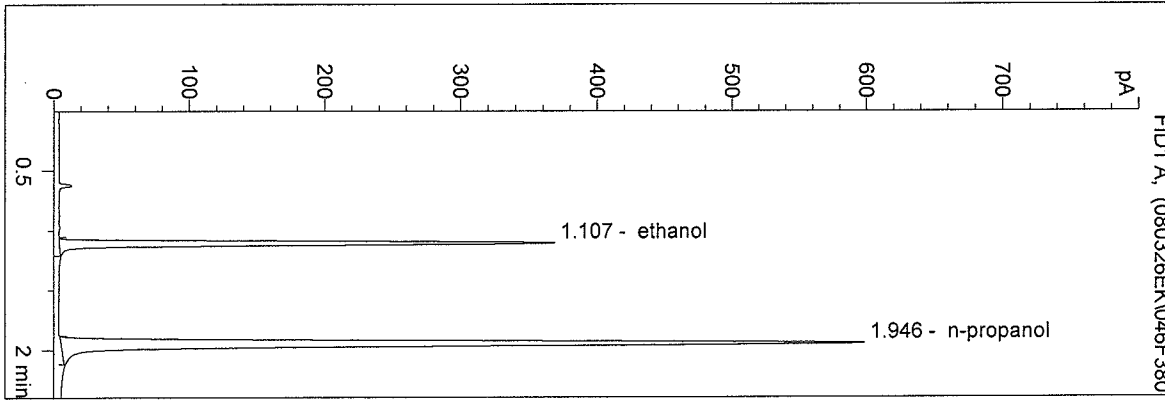
n-propanol 1.000 g/100ml

EK

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/26/2008 3:31:35 PM
 Instrument 5
 DB-ALC2

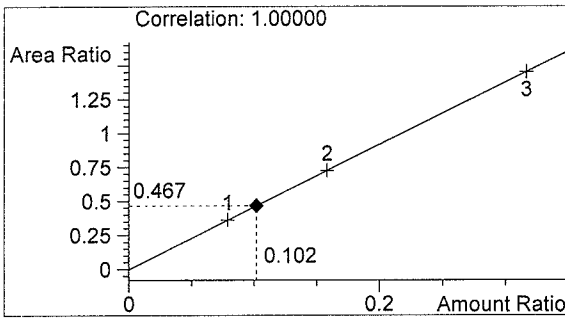
0.10 CTRL EK
 Erin Kolbrich

vial # 46

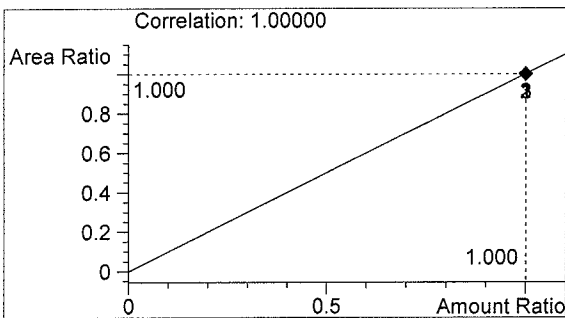


#	Compound	Area	RT
1	ethanol	865	1.107
2	n-propanol	1855	1.946

Totals:



ethanol 0.102 g/100ml

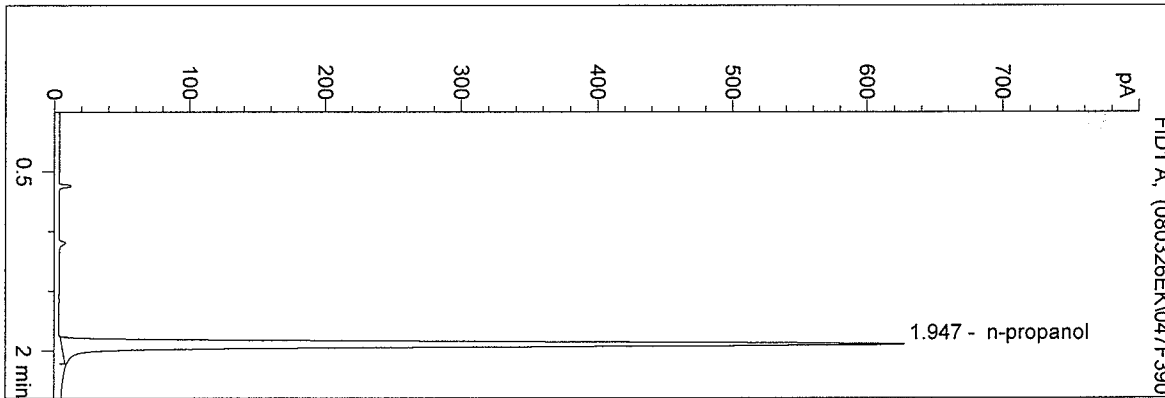


n-propanol 1.000 g/100ml

EK

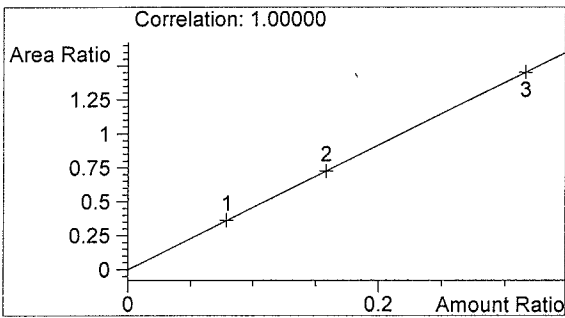
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 3/26/2008 3:34:59 PM
 Instrument 5
 DB-ALC2

Blank
 Erin Kolbrich
 vial # 47

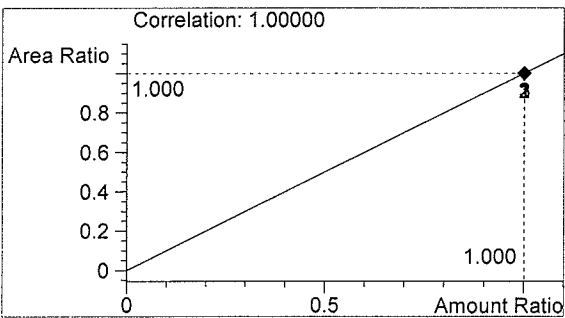


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1942	1.947

Totals:



ethanol 0.000 g/100ml



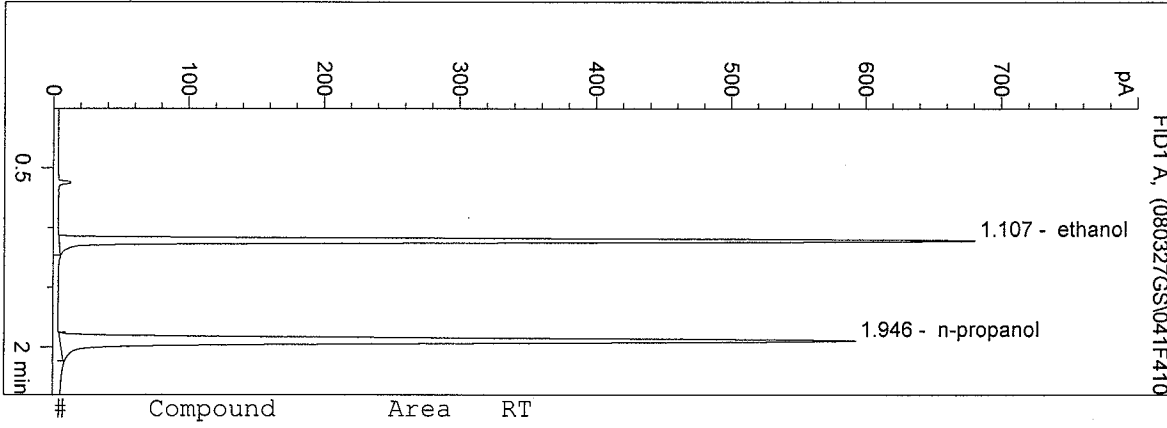
n-propanol 1.000 g/100ml

EK

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 6:25:59 PM
 Instrument 5
 DB-ALC2

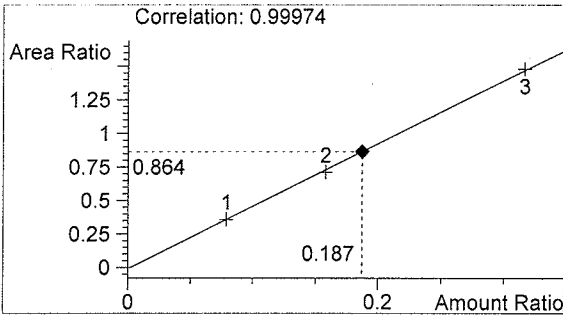
QA08013-GS1
 Gwynyth Scherperel

vial # 41



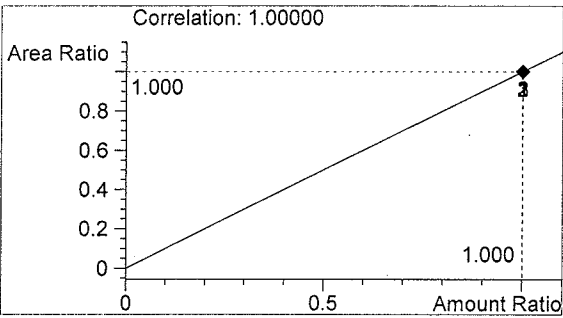
#	Compound	Area	RT
1	ethanol	1594	1.107
2	n-propanol	1845	1.946

Totals:



ethanol 0.187 g/100ml

GS



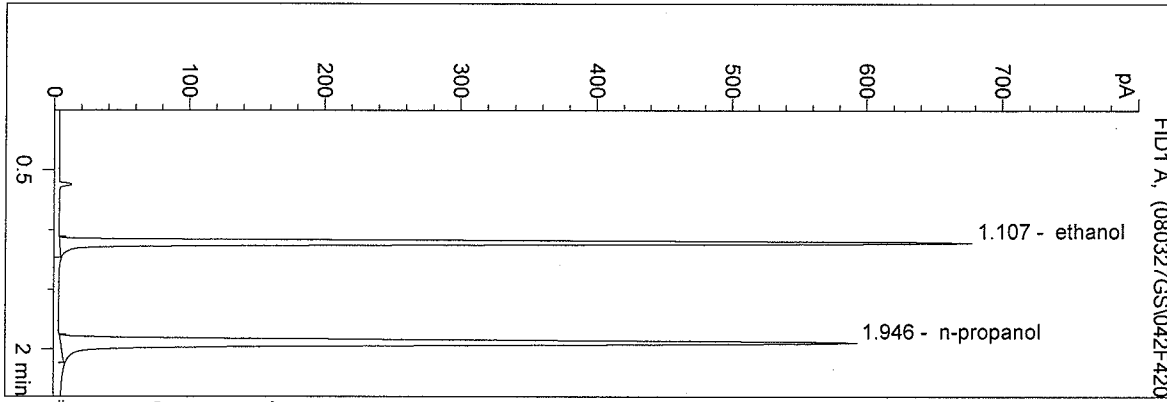
n-propanol 1.000 g/100ml

for calibration
 see SIM 08009
 MS 3/28/08

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 6:29:23 PM
 Instrument 5
 DB-ALC2

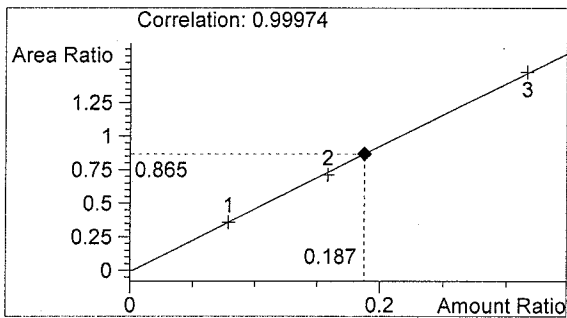
QA08013-GS2
 Gwynyth Scherperel

vial # 42



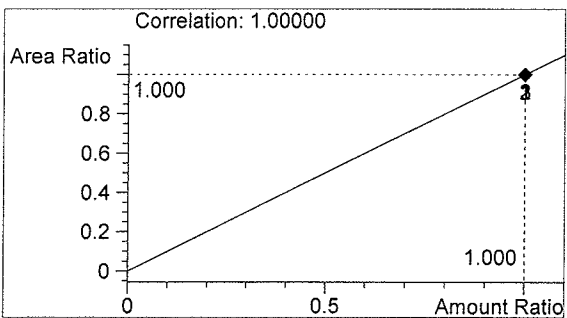
#	Compound	Area	RT
1	ethanol	1599	1.107
2	n-propanol	1848	1.946

Totals:



ethanol 0.187 g/100ml

FS

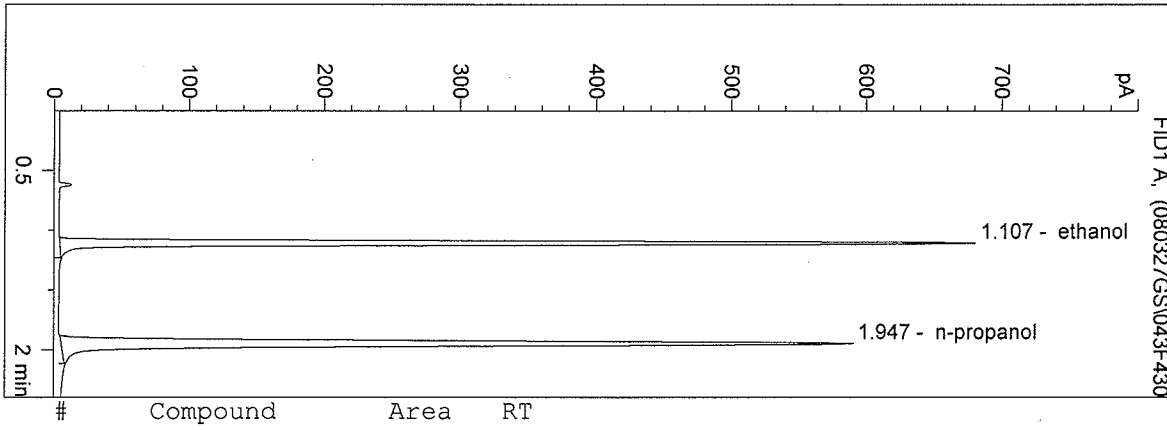


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 6:32:49 PM
 Instrument 5
 DB-ALC2

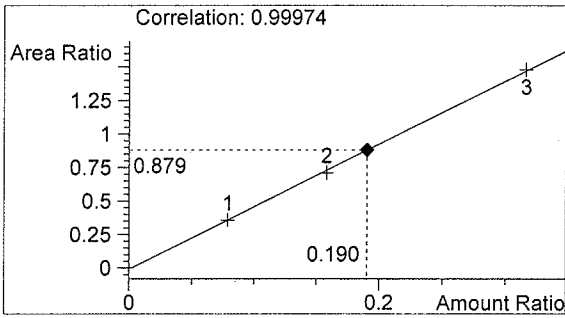
QA08013-GS3
 Gwynyth Scherperel

vial # 43



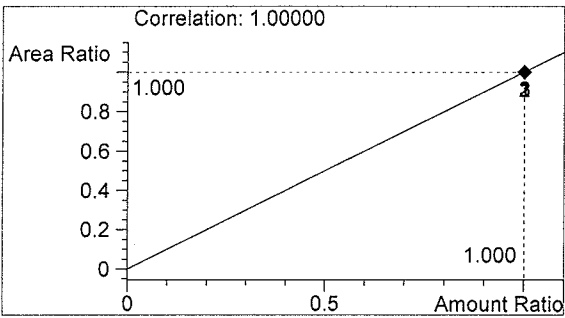
#	Compound	Area	RT
1	ethanol	1610	1.107
2	n-propanol	1831	1.947

Totals:



ethanol 0.190 g/100ml

CS

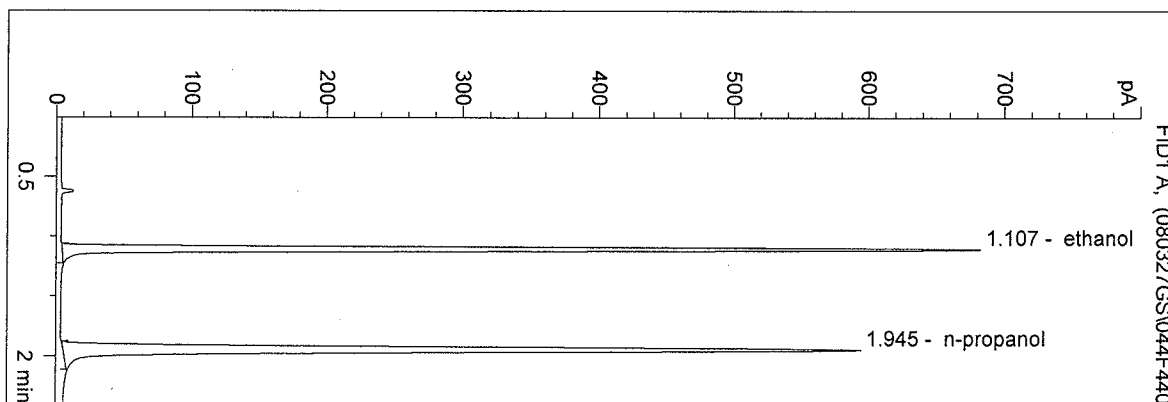


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 6:37:47 PM
 Instrument 5
 DB-ALC2

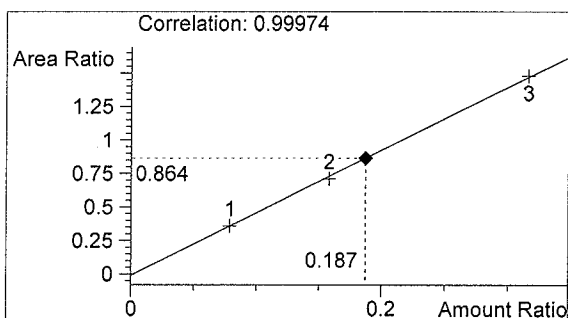
QA08013-GS4
 Gwynyth Scherperel

vial # 44



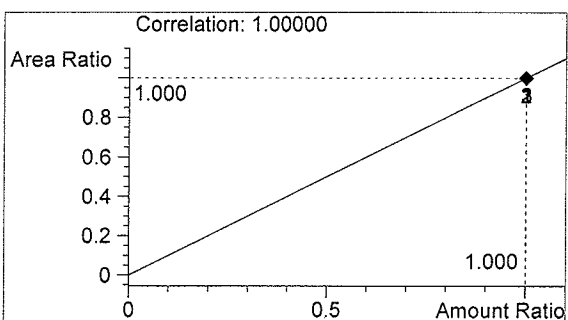
#	Compound	Area	RT
1	ethanol	1596	1.107
2	n-propanol	1846	1.945

Totals:



ethanol 0.187 g/100ml

RS

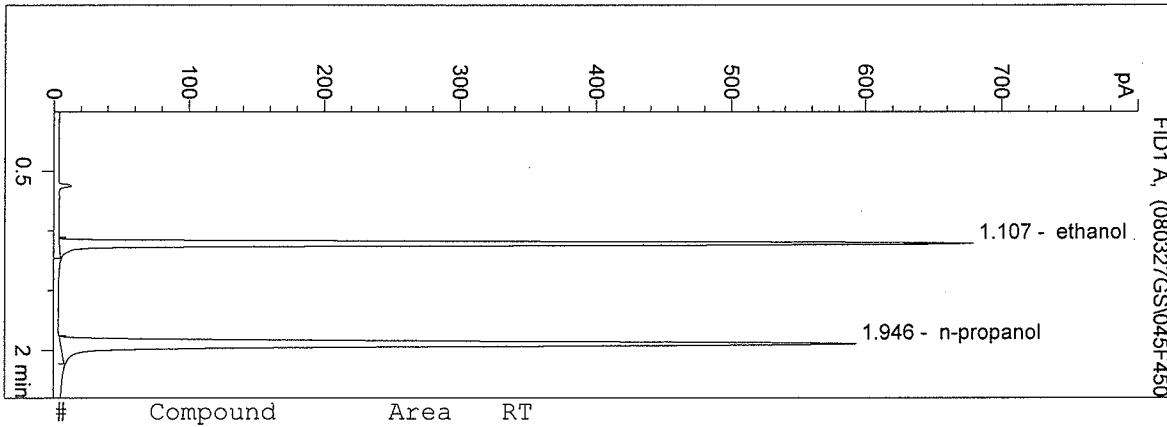


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 6:41:13 PM
 Instrument 5
 DB-ALC2

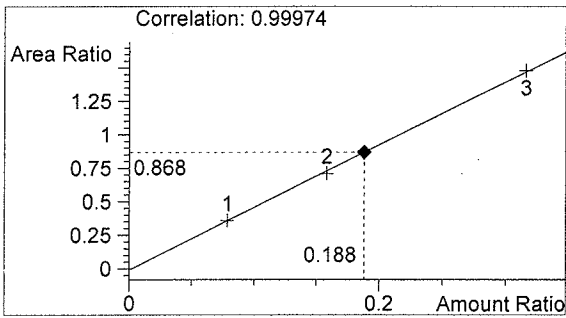
QA08013-GS5
 Gwynyth Scherperel

vial # 45



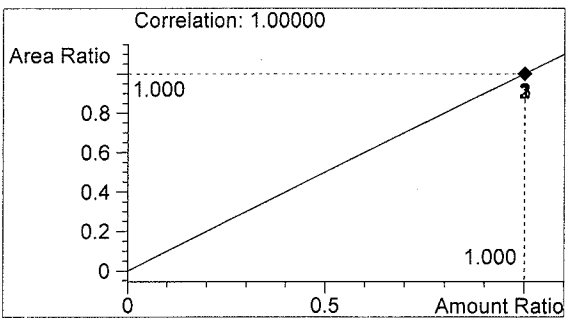
#	Compound	Area	RT
1	ethanol	1600	1.107
2	n-propanol	1844	1.946

Totals:



ethanol 0.188 g/100ml

CS

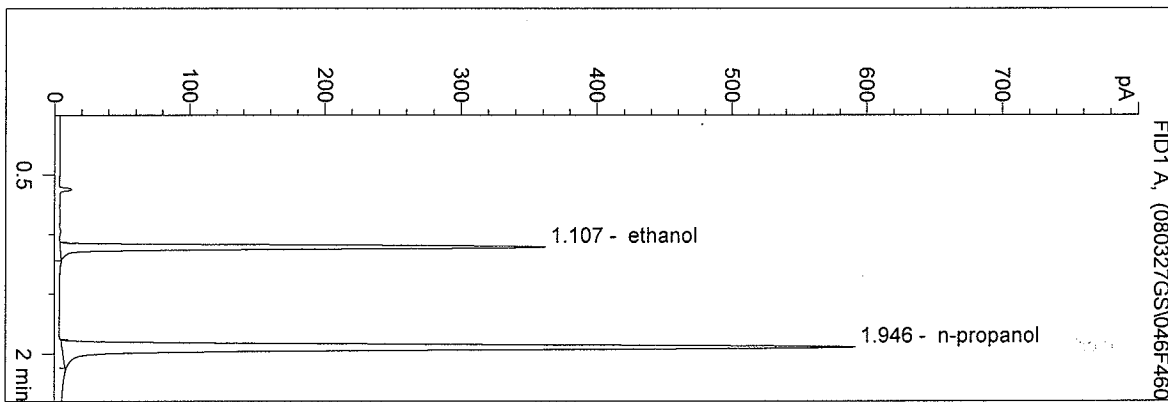


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 6:44:36 PM
 Instrument 5
 DB-ALC2

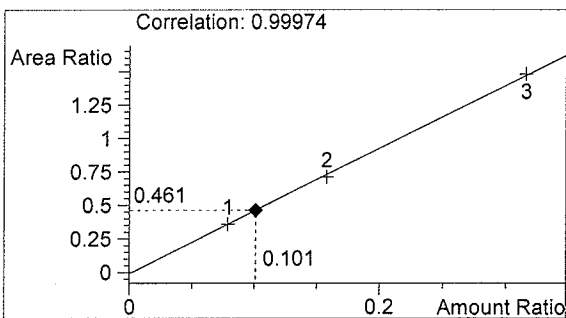
0.10 CTRL GS
 Gwynyth Scherperel

vial # 46



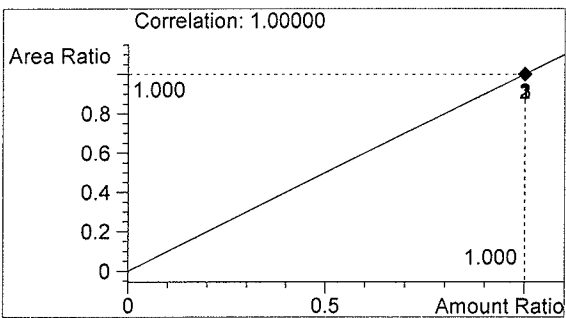
#	Compound	Area	RT
1	ethanol	848	1.107
2	n-propanol	1840	1.946

Totals:



ethanol 0.101 g/100ml

GS

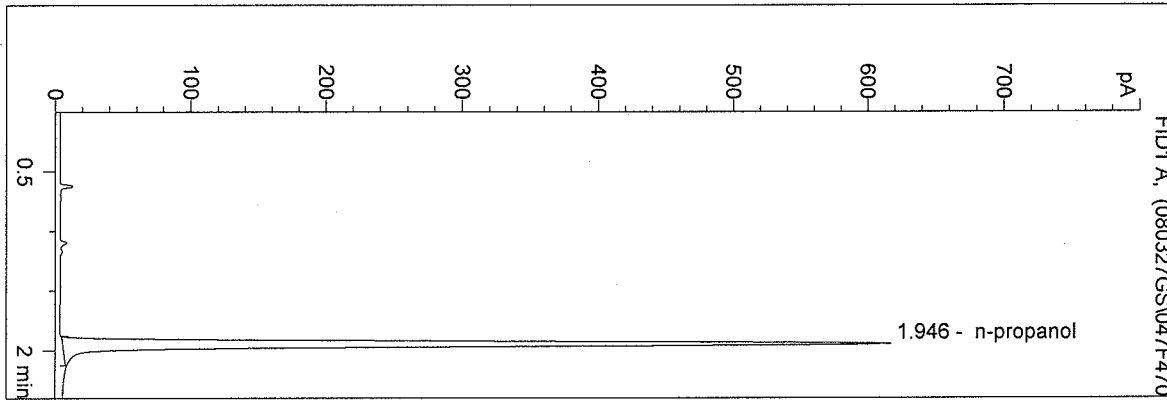


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 6:49:34 PM
 Instrument 5
 DB-ALC2

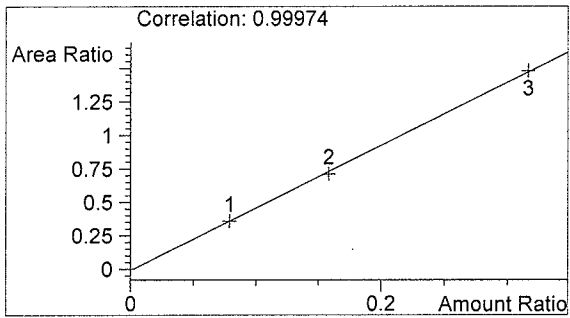
BLANK
 Gwynyth Scherperel

vial # 47



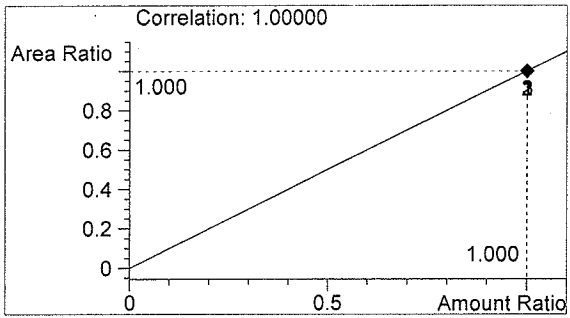
#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1919	1.946

Totals:



ethanol 0.000 g/100ml

GS



n-propanol 1.000 g/100ml