



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



Reviewer/s: KEVIN DEANTON / ROB GULLBERG Date: 4/10/2008

Location: TOX LAB SEATTLE Solution Batch Number: 08010

	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: 4-10-2008
 Reviewer Signature:  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 **0.04** g/210L Quality Assurance Solution

Batch number **08010**

Date prepared: 03/26/2008

Preparation: 11.1 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	0.050	0.050	0.051
2	0.051	0.050	0.052
3	0.050	0.050	0.051
4	0.049	0.050	0.051
5	0.051	0.050	0.051
Ctrl	0.100	0.101	0.100

Statistics:

Avg. solution concent.: 0.0505 g/100 mL
 SD: 0.00074
 Range (3.8XSD): 0.0477 to 0.0533
 Precision CV (%): 1.4717 %

External Control:

MM YYYY
 Lot #: A050528 Exp date: 07 / 2011
 Target concentration: 0.10 g/100mL

Equivalent vapor concent.: 0.0411 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 08010


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 08010, 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

 4-10-08
Erin A Kolbrich, Ph.D. Date
Forensic Toxicologist

EK/jr
EKQA



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 08010

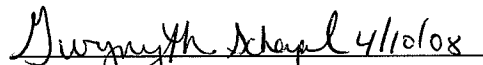
I, Gwynyth Scherperel, do certify under penalty of perjury that:

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 08010, 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 Date
Forensic Toxicologist

GS/jr
GSQA



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 08010


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 08010, 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

 4/10/08

Lisa R Noble Date
Forensic Toxicologist

LN/jr
LPQA

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:

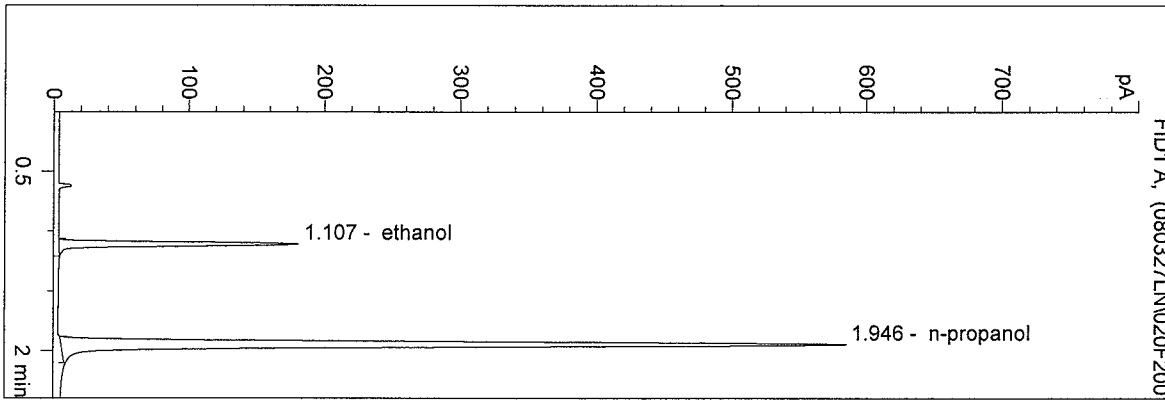
- 1 – Initialed your chromatograms
- 2 – Checked your data
- 3 – Checked the date to the right of your name on the worksheet
- 4 – Signed the worksheet.

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	RS 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 1:06:19 PM
 Instrument 5
 DB-ALC2

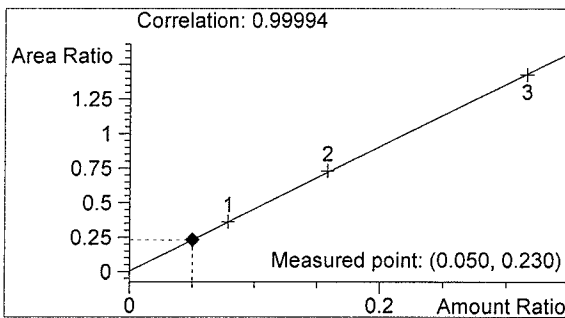
08010-1
 Lisa Noble

vial # 20



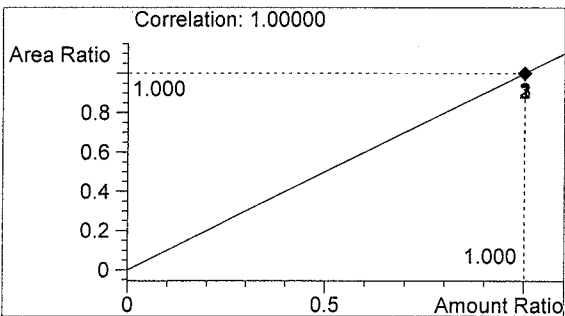
#	Compound	Area	RT
1	ethanol	417	1.107
2	n-propanol	1813	1.946

Totals:



ethanol 0.050 g/100ml

Ln



n-propanol 1.000 g/100ml

for calibration, see

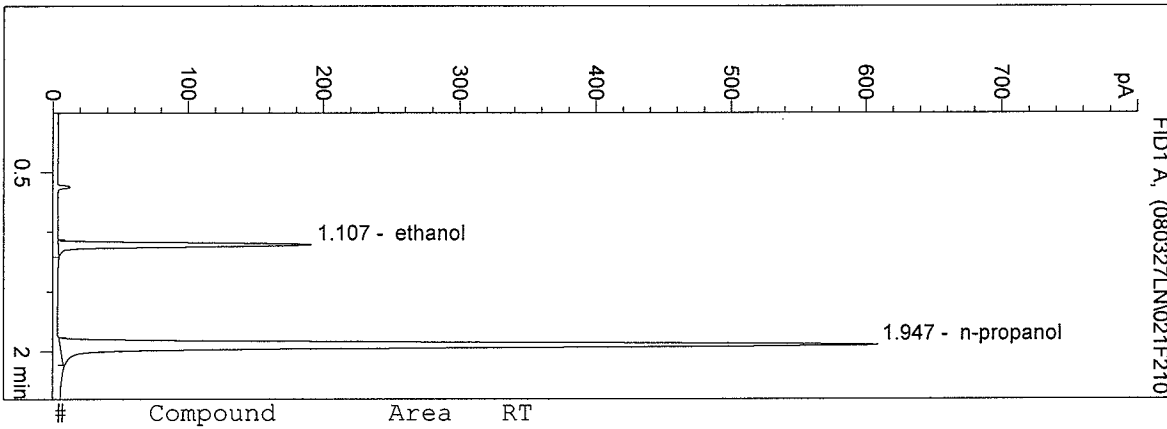
SIM 08009.

Ln 3/27/08

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 DB-ALC2

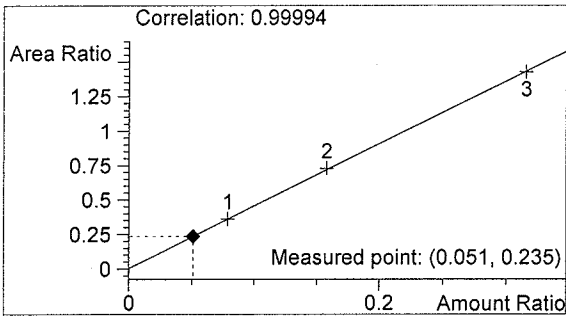
08010-2
 Lisa Noble

vial # 21



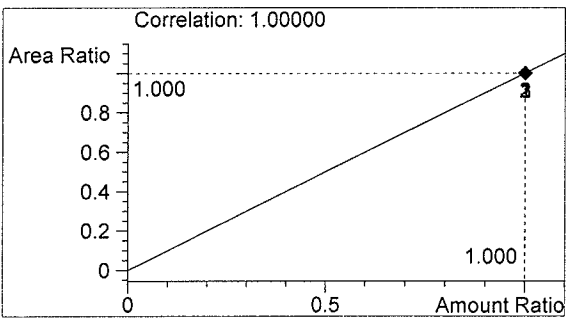
#	Compound	Area	RT
1	ethanol	442	1.107
2	n-propanol	1882	1.947

Totals:



ethanol 0.051 g/100ml

ln



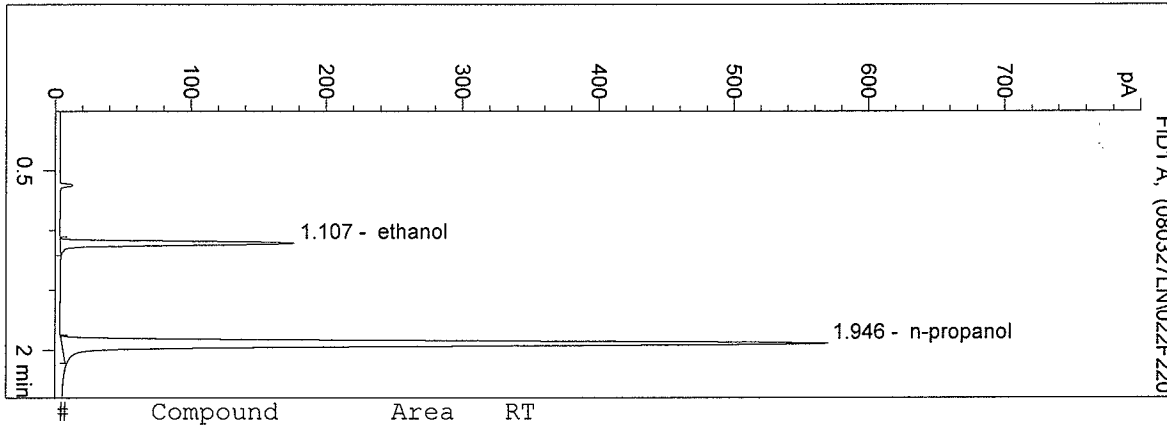
n-propanol 1.000 g/100ml

for calibration, see
 SIM 08009.
ln 3/27/08

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 Instrument 5
 DB-ALC2

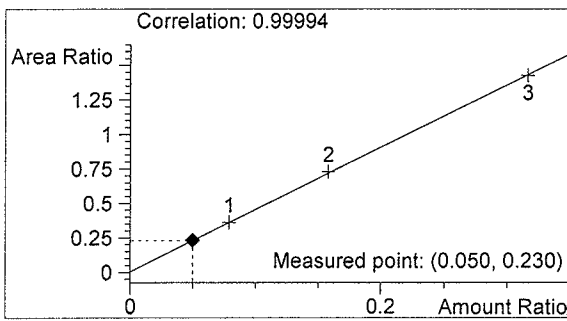
08010-3
 Lisa Noble

vial # 22



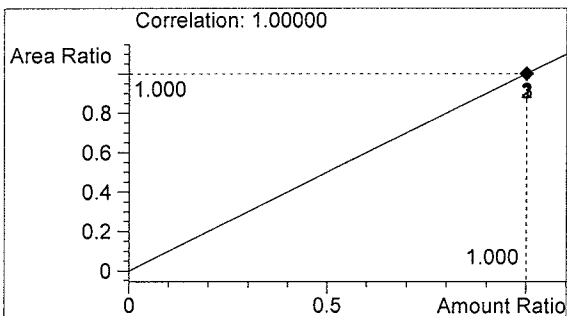
#	Compound	Area	RT
1	ethanol	406	1.107
2	n-propanol	1768	1.946

Totals:



ethanol 0.050 g/100ml

Ln

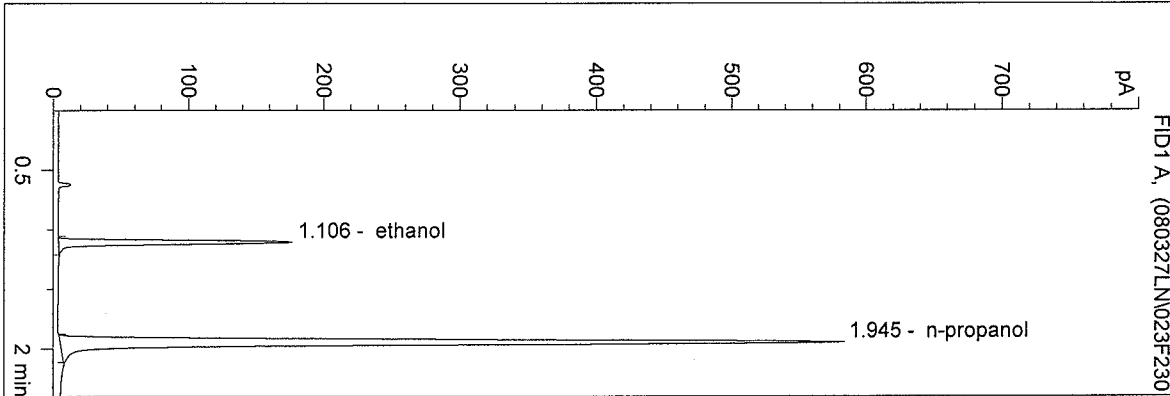


n-propanol 1.000 g/100ml

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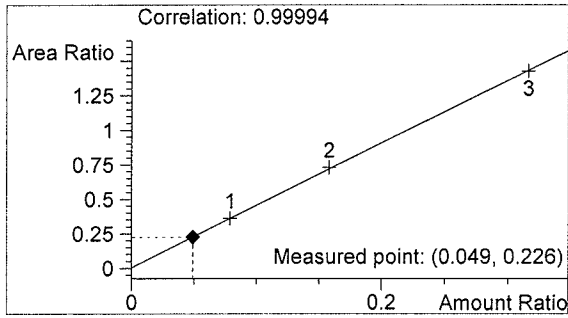
08010-4
 Lisa Noble

vial # 23



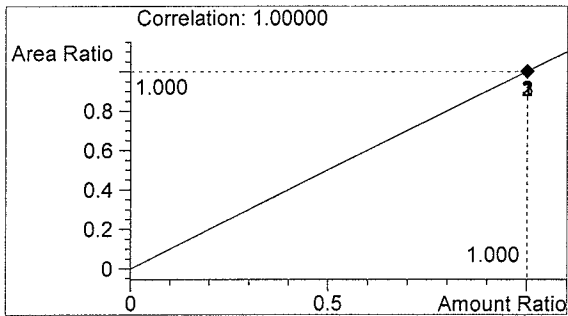
#	Compound	Area	RT
1	ethanol	411	1.106
2	n-propanol	1815	1.945

Totals:



ethanol 0.049 g/100ml

ln

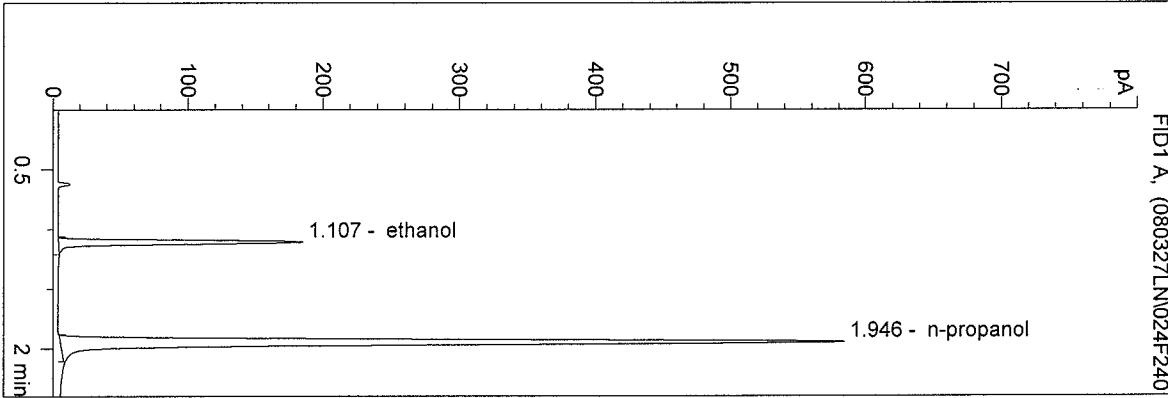


n-propanol 1.000 g/100ml

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 Instrument 5
 DB-ALC2

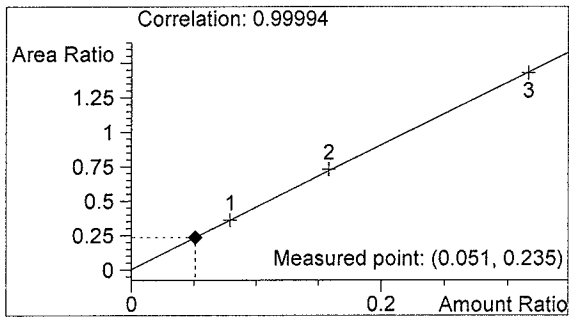
08010-5
 Lisa Noble

vial # 24



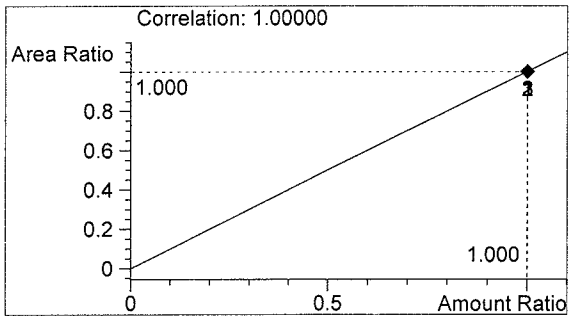
#	Compound	Area	RT
1	ethanol	426	1.107
2	n-propanol	1810	1.946

Totals:



ethanol 0.051 g/100ml

ln

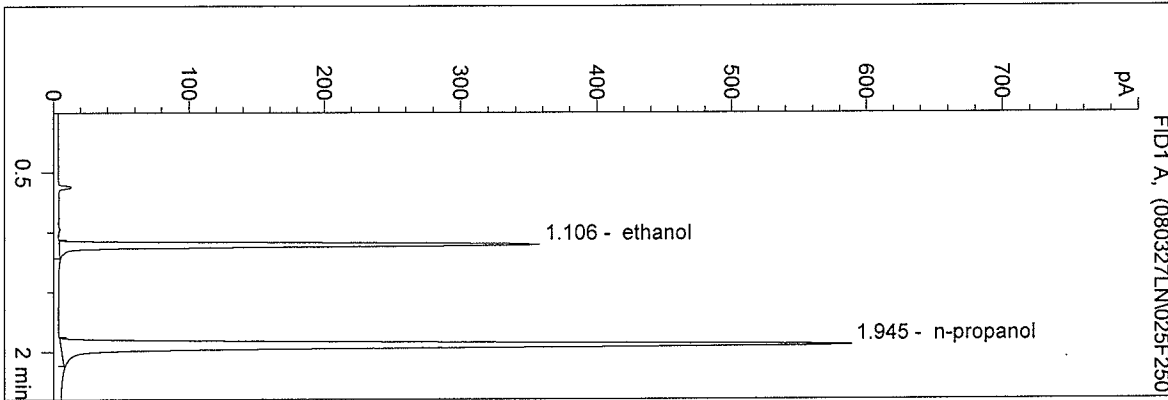


n-propanol 1.000 g/100ml

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 Instrument 5
 DB-ALC2

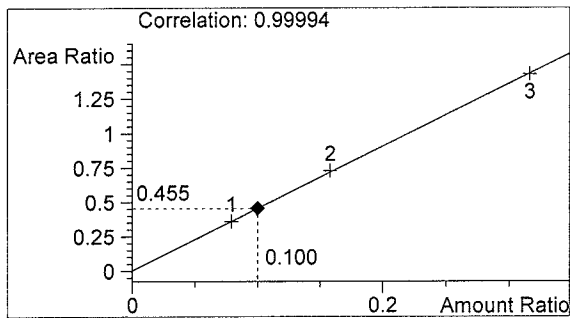
0.10 CONTROL LN
 Lisa Noble

vial # 25



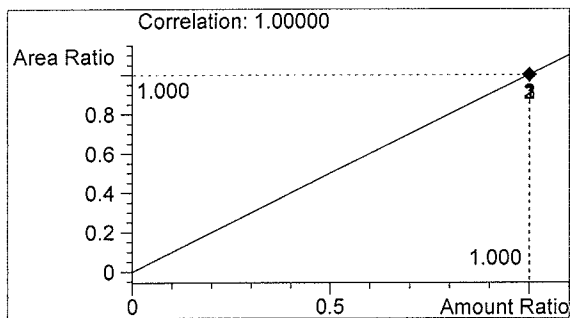
#	Compound	Area	RT
1	ethanol	833	1.106
2	n-propanol	1829	1.945

Totals:



ethanol 0.100 g/100ml

Ln

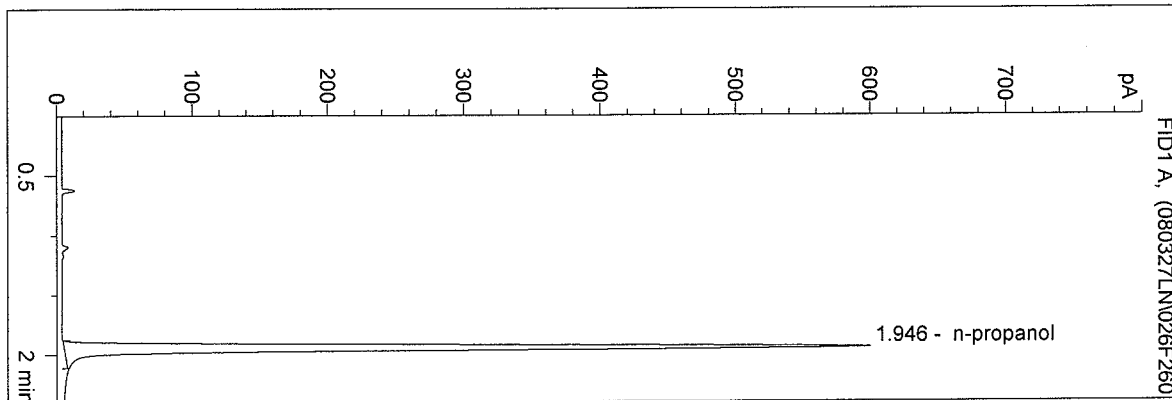


n-propanol 1.000 g/100ml

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 Instrument 5
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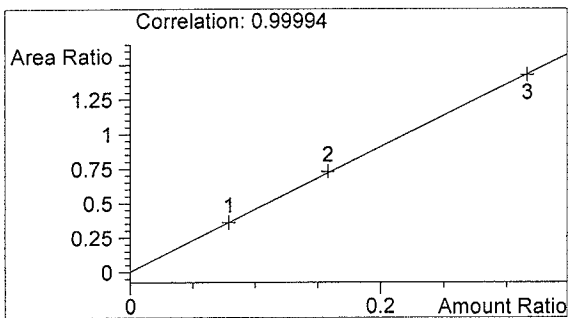
BLANK
 Lisa Noble

vial # 26

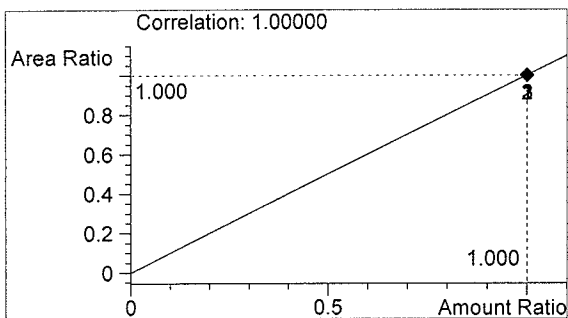


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1866	1.946

Totals:



ethanol 0.000 g/100ml



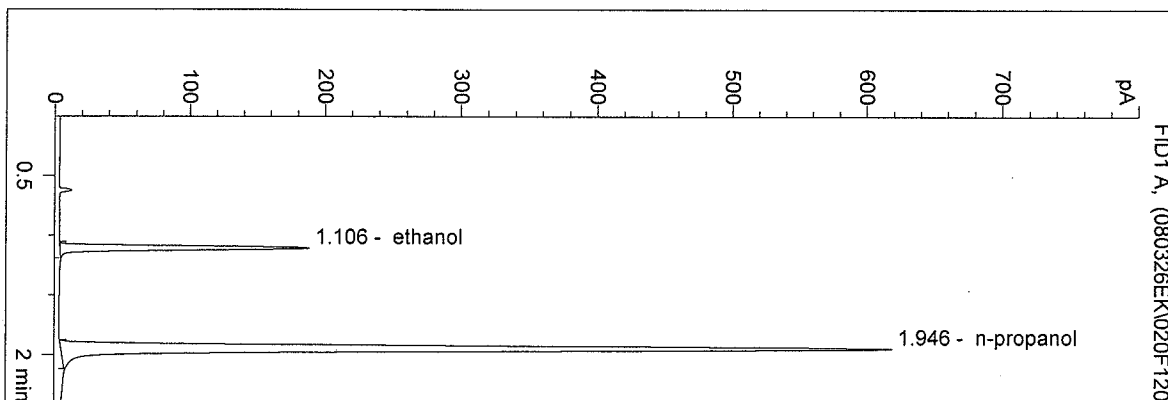
n-propanol 1.000 g/100ml

ln

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 Instrument 5
 DB-ALC2

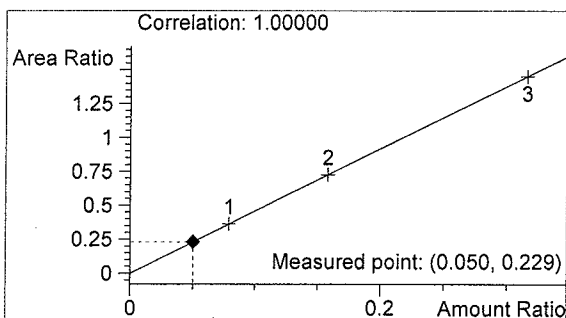
QA08010 1
 Erin Kolbrich

vial # 20

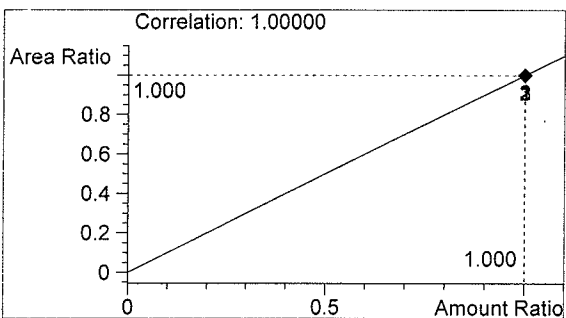


#	Compound	Area	RT
1	ethanol	443	1.106
2	n-propanol	1933	1.946

Totals:



ethanol 0.050 g/100ml



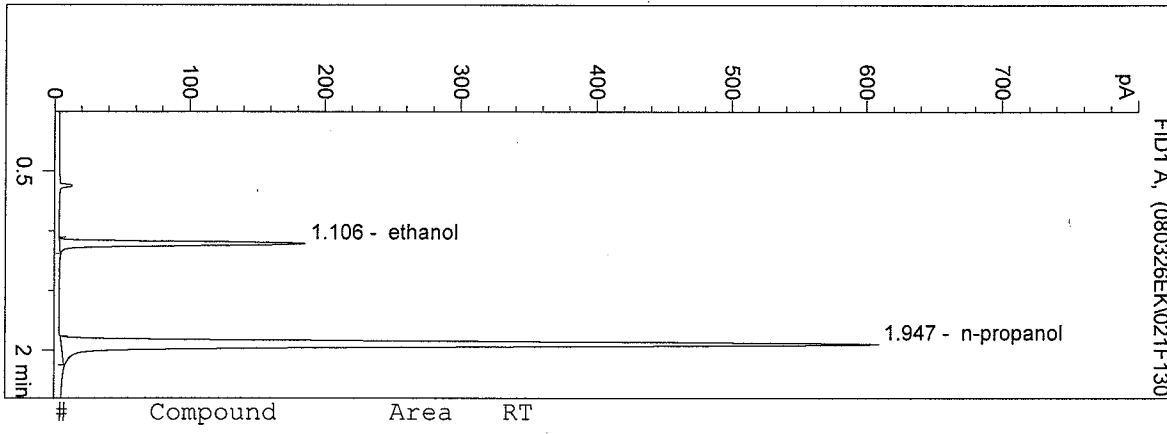
n-propanol 1.000 g/100ml

EK

*calib with
 SIM 08-009*

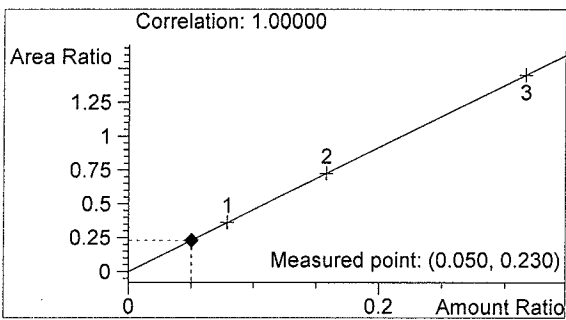
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 Instrument 5
 DB-ALC2

QA08010 2
 Erin Kolbrich
 vial # 21

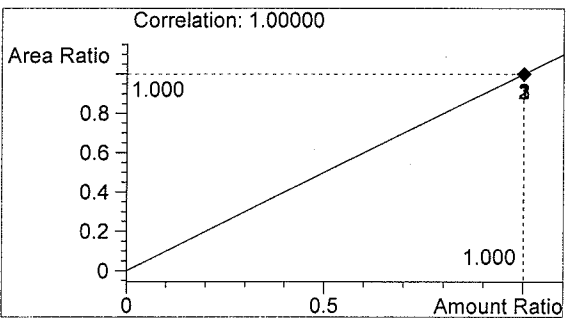


#	Compound	Area	RT
1	ethanol	436	1.106
2	n-propanol	1898	1.947

Totals:



ethanol 0.050 g/100ml



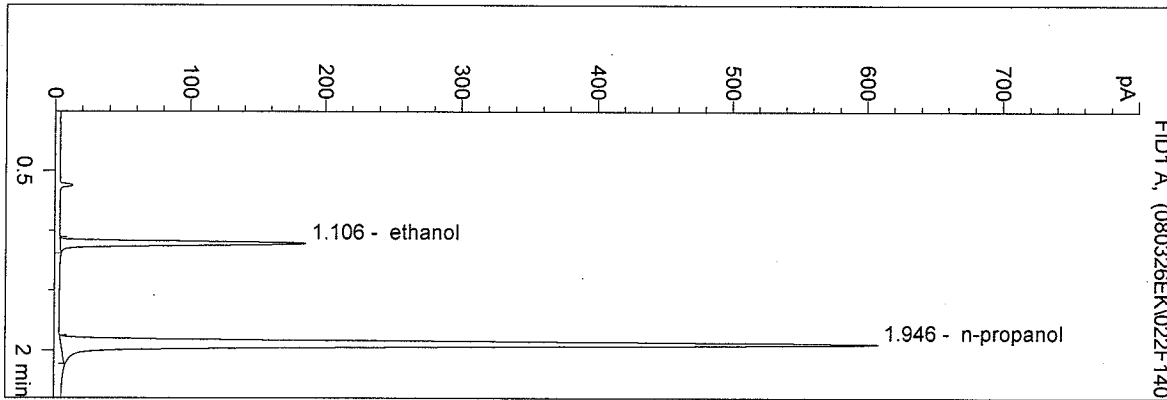
n-propanol 1.000 g/100ml

EK

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 Instrument 5
 DB-ALC2

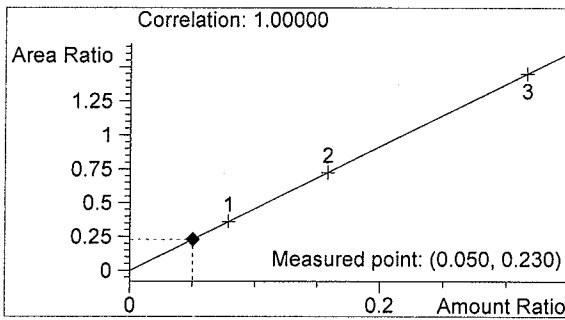
QA08010 3
 Erin Kolbrich

vial # 22

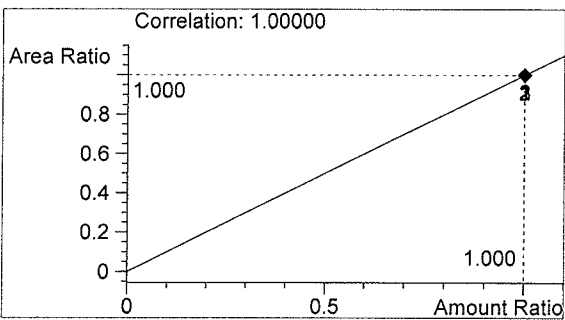


#	Compound	Area	RT
1	ethanol	436	1.106
2	n-propanol	1899	1.946

Totals:



ethanol 0.050 g/100ml



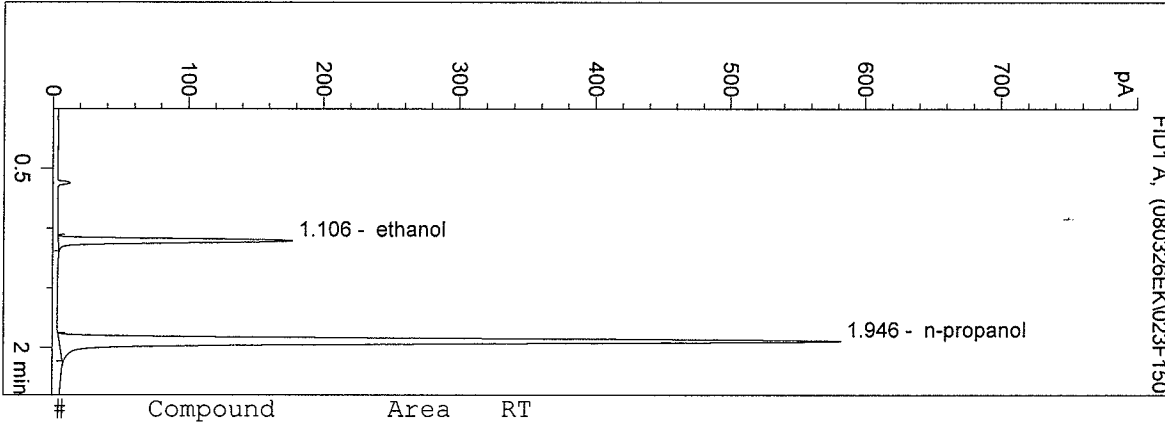
n-propanol 1.000 g/100ml

Ek

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 3/26/2008 2:00:31 PM
 Instrument 5
 DB-ALC2

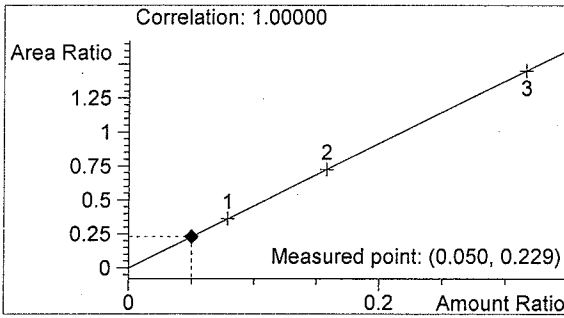
QA08010 4
 Erin Kolbrich

vial # 23

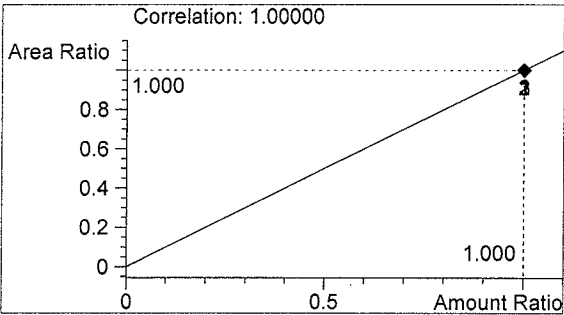


#	Compound	Area	RT
1	ethanol	416	1.106
2	n-propanol	1817	1.946

Totals:



ethanol 0.050 g/100ml

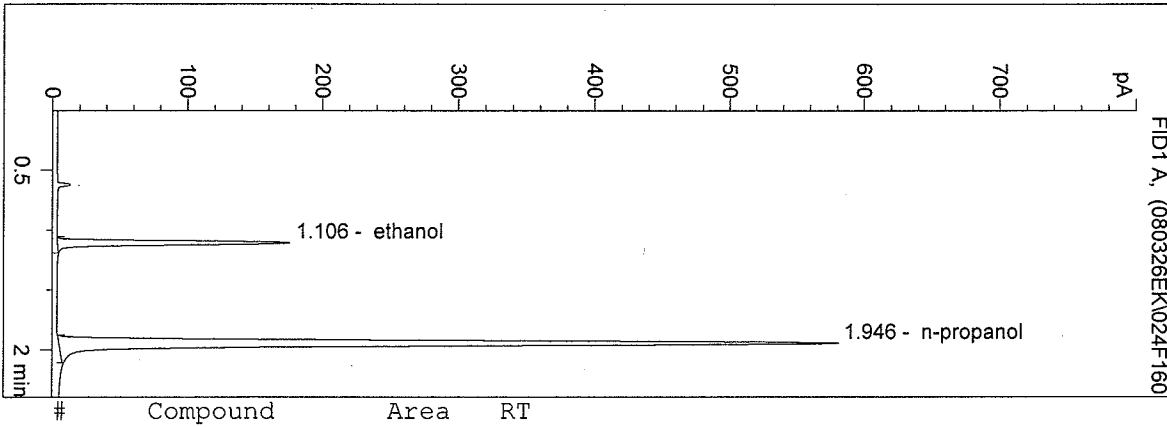


n-propanol 1.000 g/100ml

EK

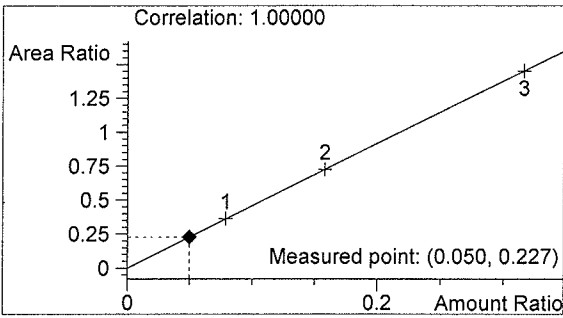
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 Instrument 5
 DB-ALC2

QA08010 5
 Erin Kolbrich
 vial # 24

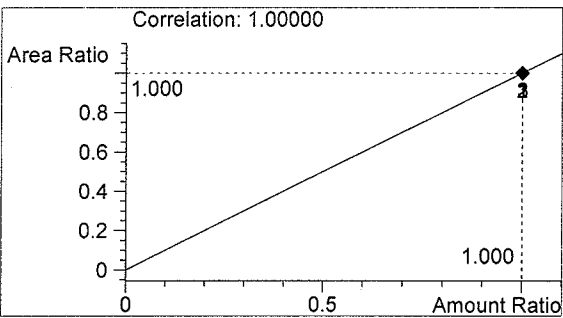


#	Compound	Area	RT
1	ethanol	411	1.106
2	n-propanol	1810	1.946

Totals:



ethanol 0.050 g/100ml

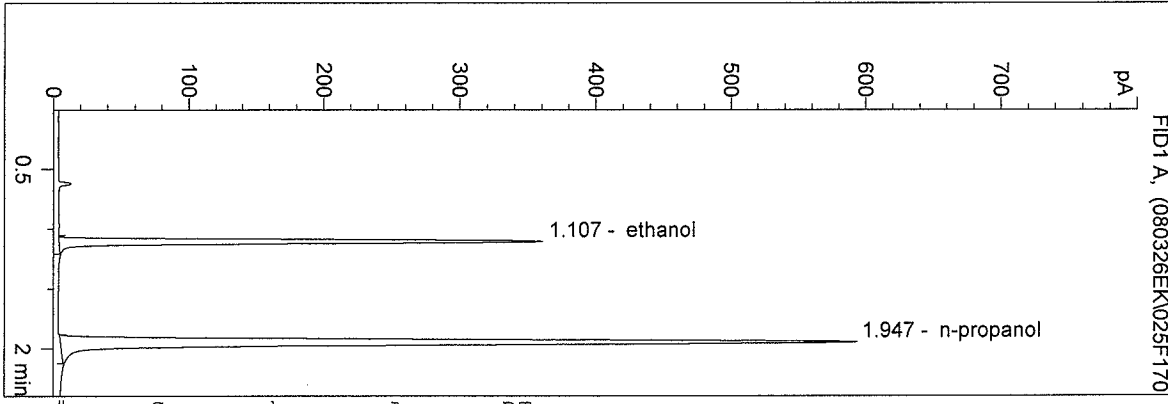


n-propanol 1.000 g/100ml

EK

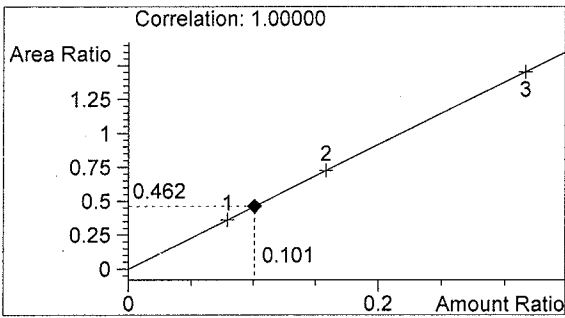
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 Instrument 5
 DB-ALC2

0.10 CTRL EK
 Erin Kolbrich
 vial # 25

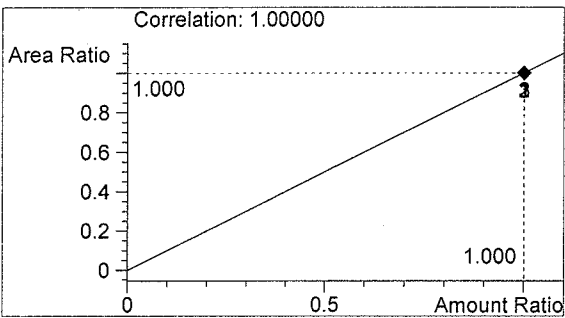


#	Compound	Area	RT
1	ethanol	855	1.107
2	n-propanol	1850	1.947

Totals:



ethanol 0.101 g/100ml

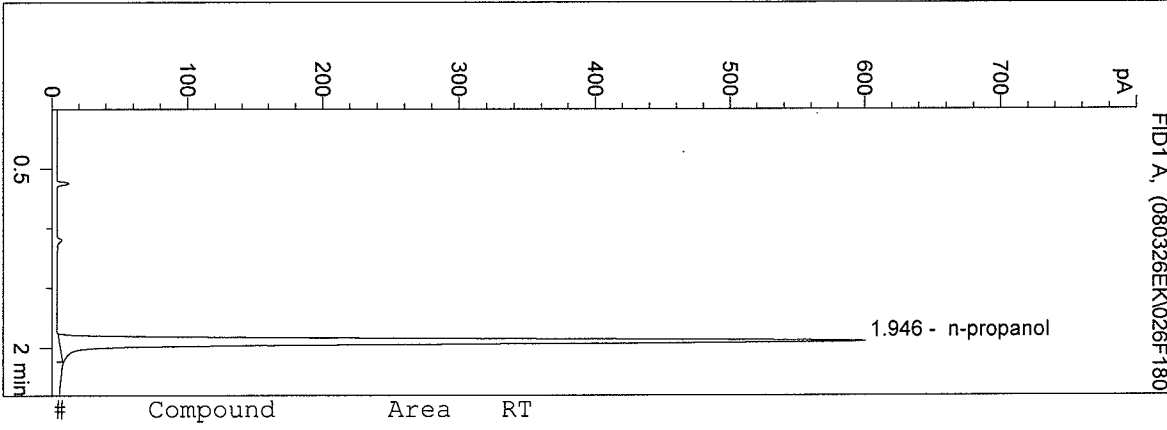


n-propanol 1.000 g/100ml

EK

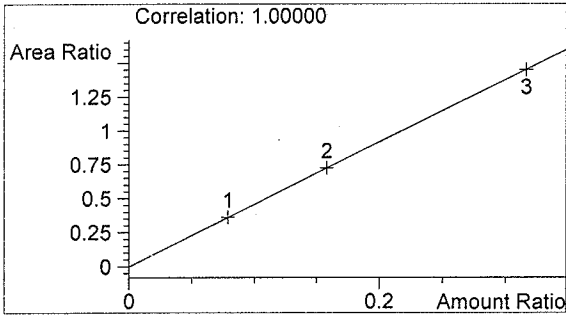
D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/26/2008 2:12:19 PM
 Instrument 5
 DB-ALC2

Blank
 Erin Kolbrich
 vial # 26

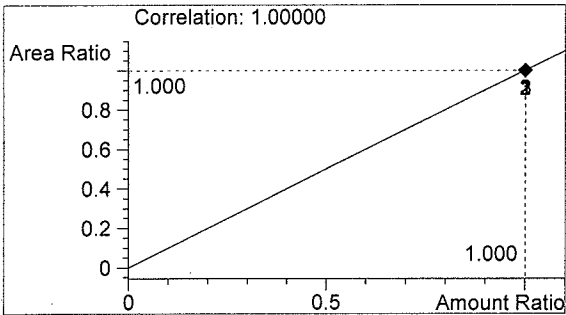


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1866	1.946

Totals:



ethanol 0.000 g/100ml



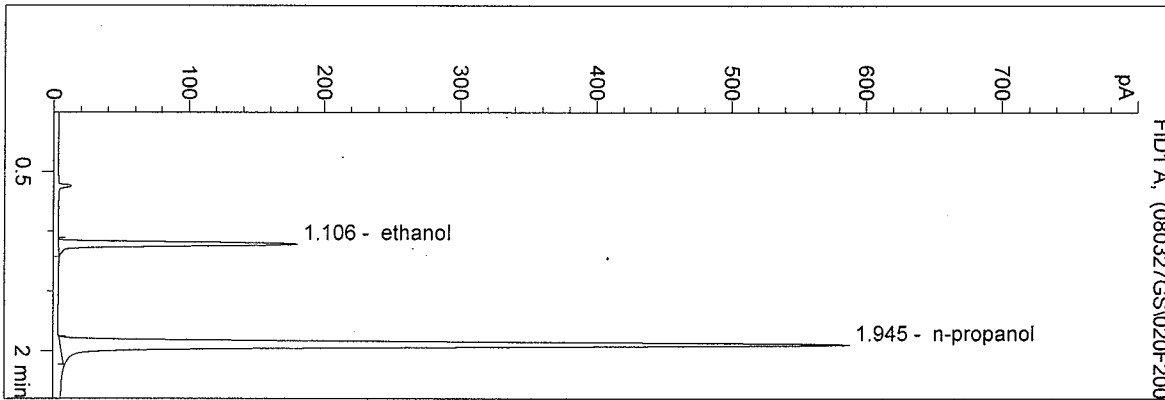
n-propanol 1.000 g/100ml

Ek

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 3/27/2008 5:03:25 PM
 Instrument 5
 DB-ALC2

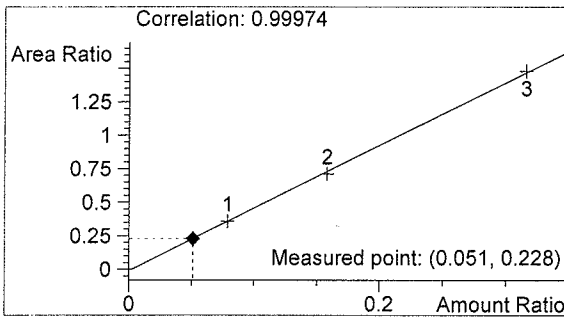
QA08010-GS1
 Gwynyth Scherperel

vial # 20



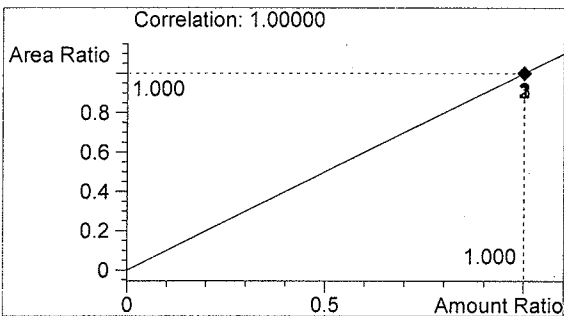
#	Compound	Area	RT
1	ethanol	417	1.106
2	n-propanol	1831	1.945

Totals:



ethanol 0.051 g/100ml

GS



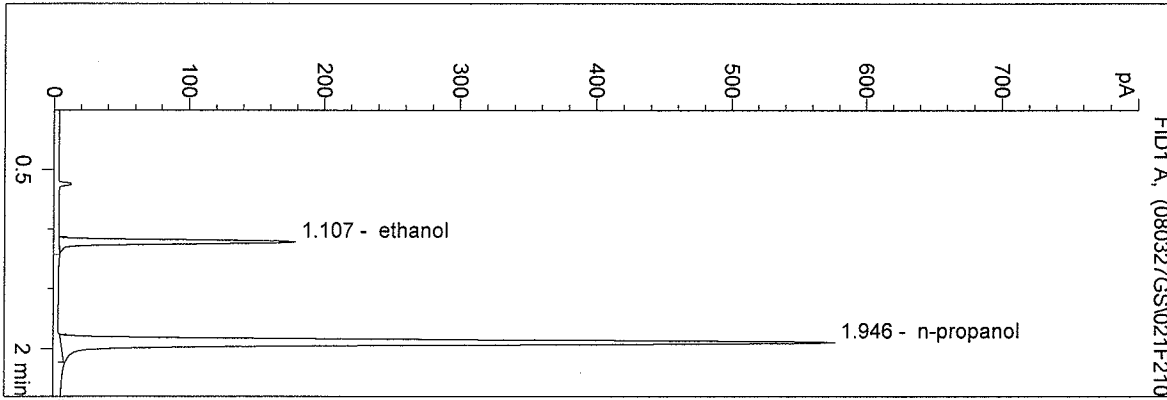
n-propanol 1.000 g/100ml

for calibration see
 SIM 08009
 JS 3/28/08

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:06:48 PM
 Instrument 5
 DB-ALC2

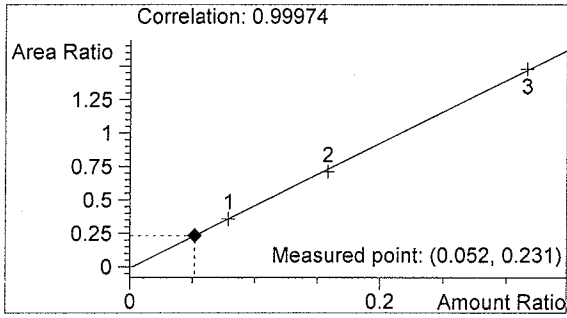
QA08010-GS2
 Gwynyth Scherperel

vial # 21



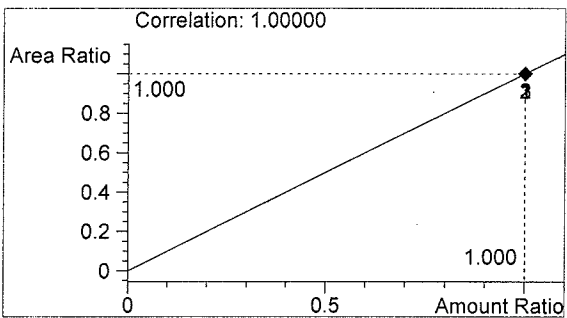
#	Compound	Area	RT
1	ethanol	414	1.107
2	n-propanol	1790	1.946

Totals:



ethanol 0.052 g/100ml

CS

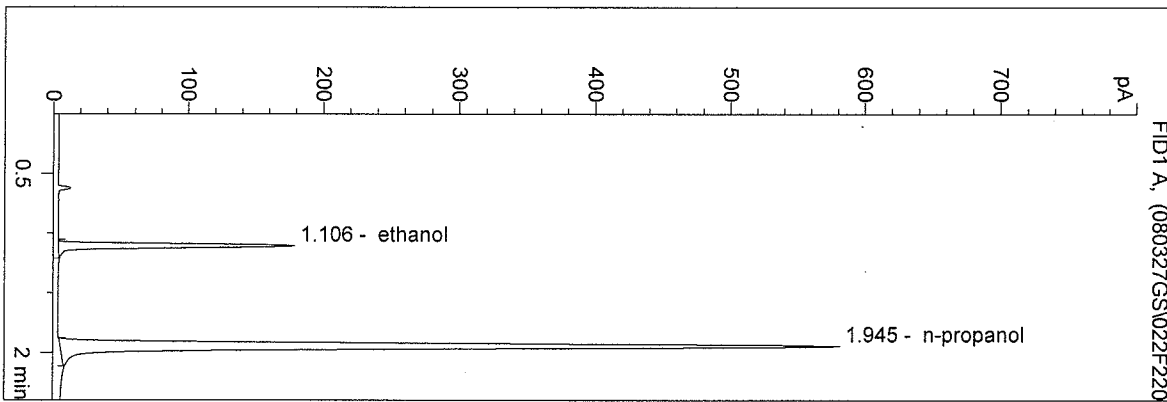


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:10:13 PM
 Instrument 5
 DB-ALC2

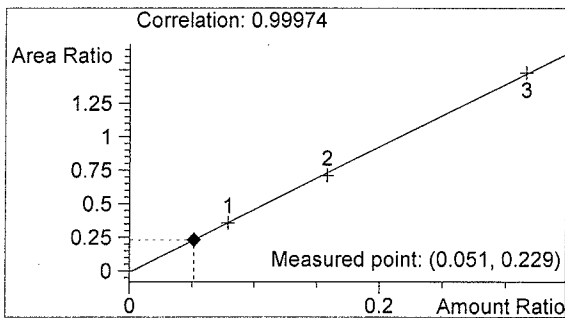
QA08010-GS3
 Gwynyth Scherperel

vial # 22



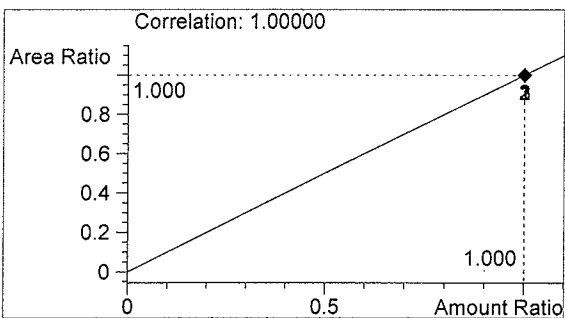
#	Compound	Area	RT
1	ethanol	415	1.106
2	n-propanol	1809	1.945

Totals:



ethanol 0.051 g/100ml

GS

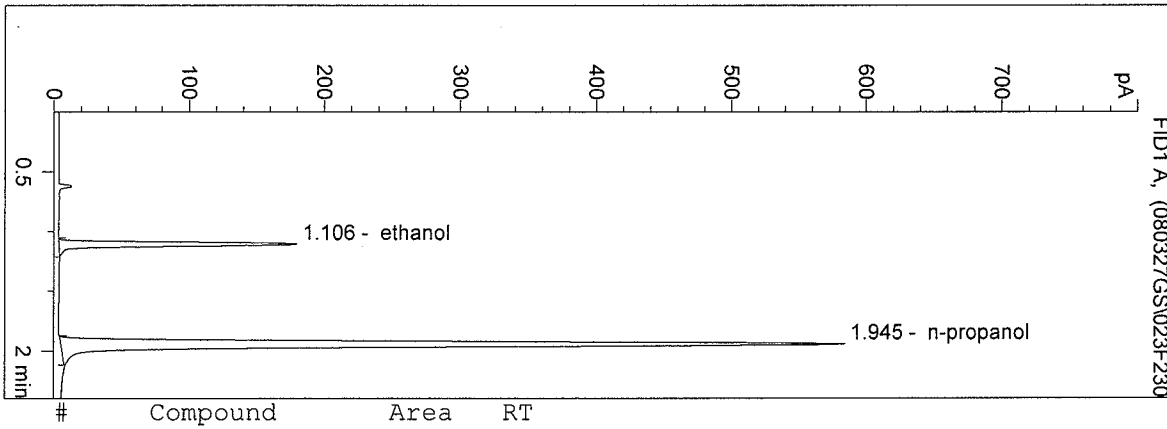


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:15:13 PM
 Instrument 5
 DB-ALC2

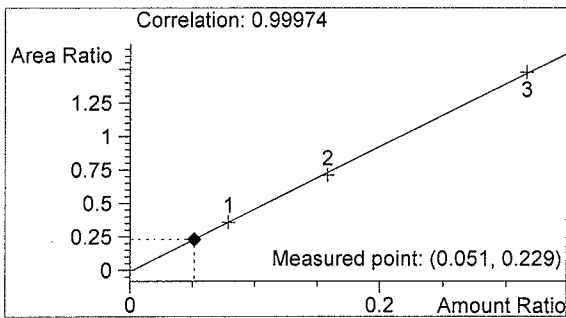
QA08010-GS4
 Gwynyth Scherperel

vial # 23



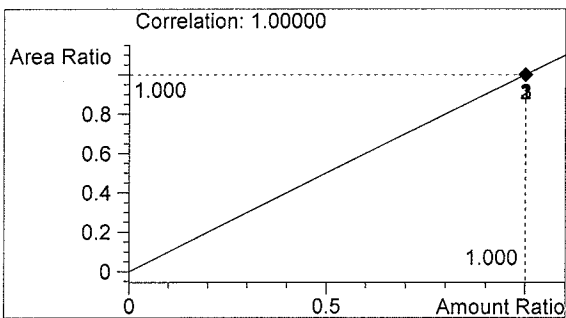
#	Compound	Area	RT
1	ethanol	418	1.106
2	n-propanol	1821	1.945

Totals:



ethanol 0.051 g/100ml

CS

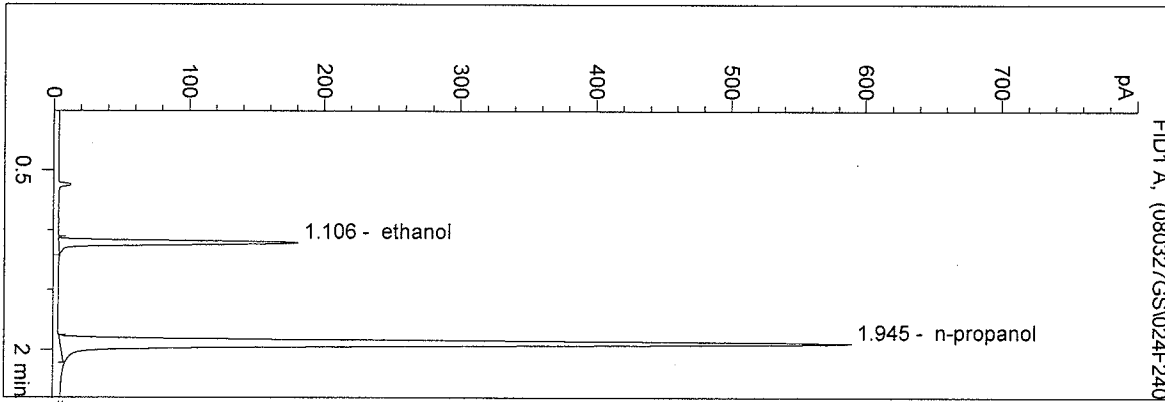


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:18:36 PM
 Instrument 5
 DB-ALC2

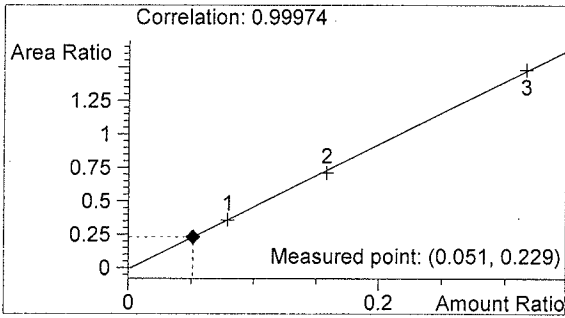
QA08010-GS5
 Gwynyth Scherperel

vial # 24



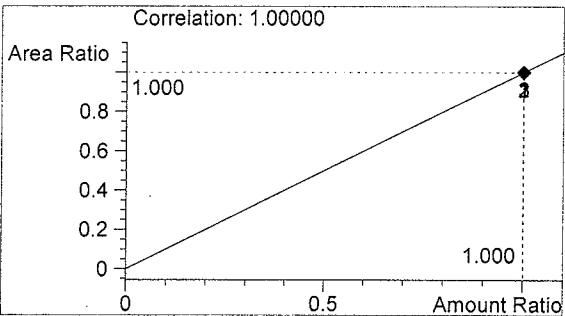
#	Compound	Area	RT
1	ethanol	420	1.106
2	n-propanol	1834	1.945

Totals:



ethanol 0.051 g/100ml

GS

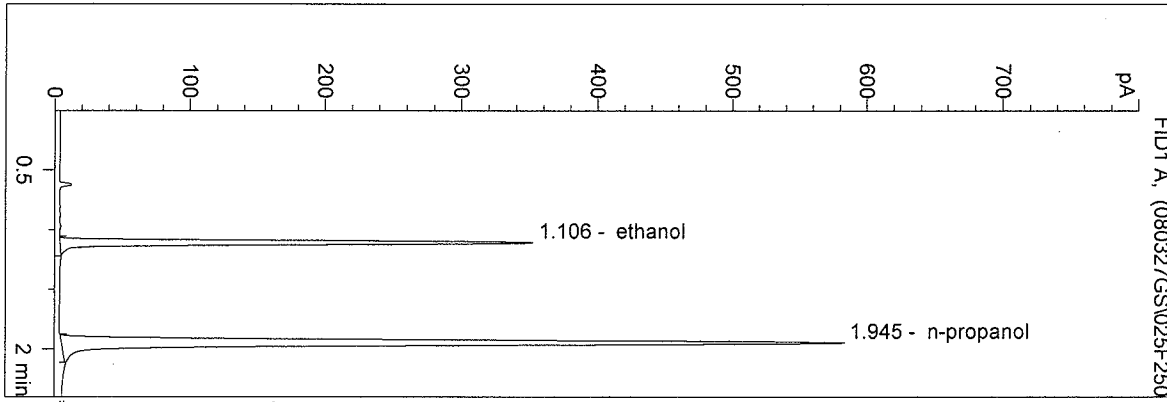


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:22:01 PM
 Instrument 5
 DB-ALC2

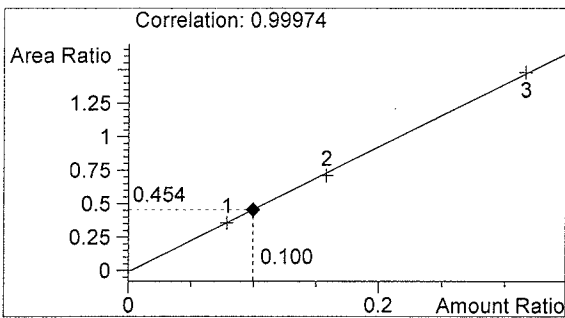
0.10 CTRL GS
 Gwynyth Scherperel

vial # 25



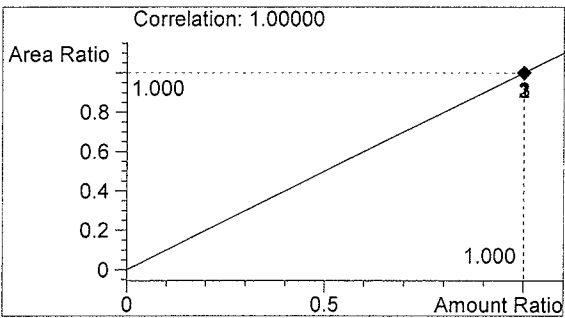
#	Compound	Area	RT
1	ethanol	826	1.106
2	n-propanol	1818	1.945

Totals:



ethanol 0.100 g/100ml

RS

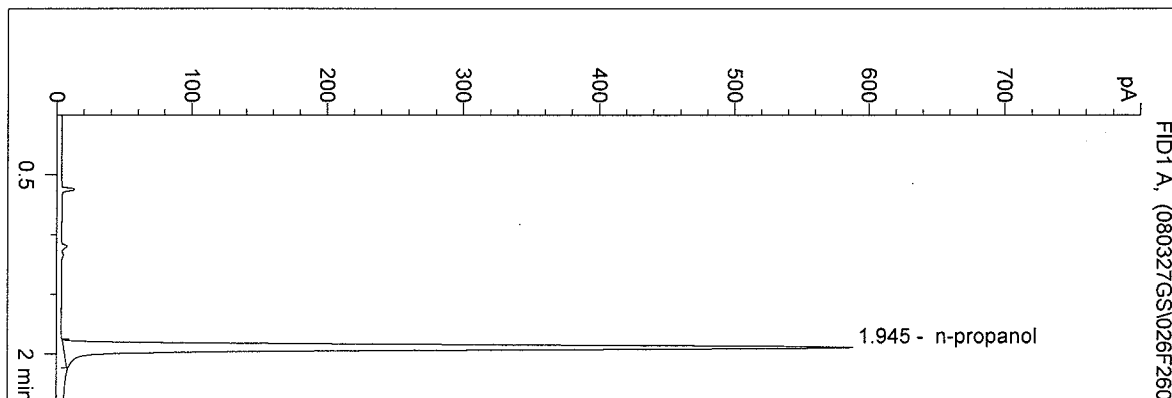


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:27:00 PM
 Instrument 5
 DB-ALC2

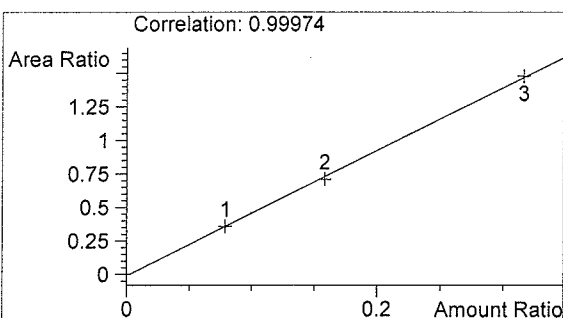
BLANK
 Gwynyth Scherperel

vial # 26



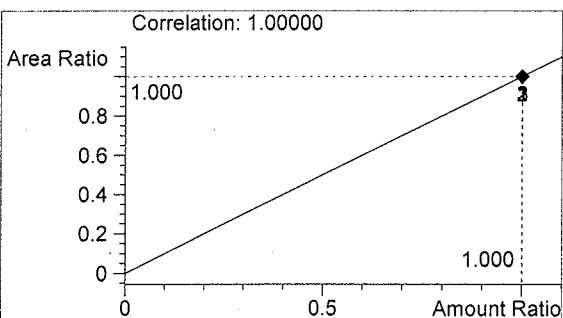
#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1833	1.945

Totals:



ethanol 0.000 g/100ml

CS



n-propanol 1.000 g/100ml