

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN DENTON/RAE GULLBERG Date 10-5-07
Location TOX LAB SEATTLE Batch Number 07044

Form Review Criteria

Preparation date precedes all analysis dates: Okay Not Okay

Data entry corresponds to all chromatograms: Okay Not Okay

All signatures present: Okay Not Okay

Computations:

Avg. solution concentration: Correct Not Correct

Standard deviation: Correct Not Correct

Range: Correct Not Correct

Precision: Correct Not Correct

Equivalent vapor concent.: Correct Not Correct

External Control Information
(lot # and future date): Correct Not Correct

Complies with accuracy and precision requirements established by the
State Toxicologist: Yes No

Corrections Necessary:

Comments:

Reviewer Signature:  Date: 10-5-07
Reviewer Signature:  Date: 10/5/2007

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

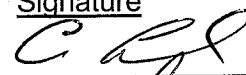
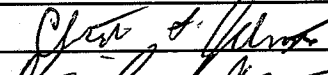
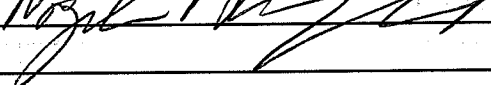
Preparation and certification of **0.15** g/210L Quality Assurance solution
 Batch number **07044** Date prepared: 09/25/2007
 Preparation: 42.3 mL of absolute ethyl alcohol diluted to 18 Liters with water
 Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal10	Anal 11	Anal 12	Anal 13	Anal14	Anal 15	Anal 16
1	0.182	0.183	0.184													
2	0.184	0.184	0.184													
3	0.184	0.187	0.184													
4	0.184	0.186	0.185													
5	0.184	0.185	0.185													
Ctrl	0.098	0.098	0.096													

Statistics:
 Avg. solution concent.: 0.1843 g/100 mL
 SD: 0.00118
 Precision CV (%): 0.6376 %

External Control:
 Lot #: A050528 Exp date: 07/2011
 Target concentration: 0.10 g/100mL

Equivalent vapor concent.: 0.1498 g/210L

<u>Analyst</u>	<u>Name</u>	<u>Signature</u>	<u>Date</u>
1	Asa Louis		09/25/2007
2	Christopher S Johnston		09/26/2007
3	Naziha Nuwayhid, PhD		09/26/2007
4			
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15			
16			

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 07044


I, Asa J. Louis, 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: B.S. degree in Biochemistry and eight years of toxicology experience.

The quality assurance solution, Lot Number 07044, was prepared in the Washington State Toxicology Laboratory on 9/25/2007. 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 9/25/2008.

Seattle, WA

 2007 OCT 02
Asa J. Louis Date
Forensic Toxicologist

AJL/jr
AJLQA



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 07044

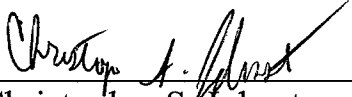
I, Christopher S. Johnston, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biochemistry.

The quality assurance solution, Lot Number 07044, was prepared in the Washington State Toxicology Laboratory on 9/25/2007. 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 9/25/2008.

Seattle, WA

 10.2.07

Christopher S. Johnston Date
Forensic Toxicologist

CSJ/jr
CJQA



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

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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 07044

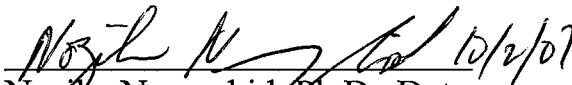
I, Naziha Nuwayhid, do certify under penalty of perjury that:

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: Bachelor and Masters degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and eight years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The quality assurance solution, Lot Number 07044, was prepared in the Washington State Toxicology Laboratory on 9/25/2007. 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 9/25/2008.

Seattle, WA


Naziha Nuwayhid, Ph.D. Date 10/2/07
Forensic Toxicologist

NN/jr
NNQA



Batch Worksheet Checkoff

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 and dated 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
Brianne Akins	
Brittany Ball	
Amanda Black	
Brian Capron	
Rebecca Flaherty	
Ed Formoso	
Christopher Johnston	CJ 10/2/07
Justin Knoy	
Asa Louis	AL 2007 OCT 01
Estuardo Miranda	
Christie Mitchell	
Lisa Noble	
Naziha Nuwayhid	NN Oct 10/2/07
Melissa Pemberton	Melissa Pemberton
Brianna Peterson	
Sarah Swenson	

DJB

Sequence Parameters:

Operator: alouis
 Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 070925
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

*0.10 con - A050528
 EXP 07/25/04*

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	BLDALCO	1	Ctrl Samp		
2	Vial 2	0.079 std	BLDALCO	1	Calib		
3	Vial 3	0.158 std	BLDALCO	1	Calib		
4	Vial 4	0.316 std	BLDALCO	1	Calib		
5	Vial 5	blank	BLDALCO	1	Ctrl Samp		
6	Vial 6	0.02 std	BLDALCO	1	Sample		
7	Vial 7	0.10 con al	BLDALCO	1	Ctrl Samp		
8	Vial 8	blank	BLDALCO	1	Sample		
9	Vial 9	07041a	BLDALCO	1	Sample		
10	Vial 10	07041b	BLDALCO	1	Sample		
11	Vial 11	07041c	BLDALCO	1	Sample		
12	Vial 12	07041d	BLDALCO	1	Sample		
13	Vial 13	07041e	BLDALCO	1	Sample		
14	Vial 14	0.10 con al	BLDALCO	1	Ctrl Samp		
15	Vial 15	blank	BLDALCO	1	Ctrl Samp		
16	Vial 16	07042a	BLDALCO	1	Sample		
17	Vial 17	07042b	BLDALCO	1	Sample		
18	Vial 18	07042c	BLDALCO	1	Sample		
19	Vial 19	07042d	BLDALCO	1	Sample		
20	Vial 20	07042e	BLDALCO	1	Sample		
21	Vial 21	0.10 con al	BLDALCO	1	Ctrl Samp		
22	Vial 22	blank	BLDALCO	1	Ctrl Samp		
23	Vial 23	07043a	BLDALCO	1	Sample		
24	Vial 24	07043b	BLDALCO	1	Sample		
25	Vial 25	07043c	BLDALCO	1	Sample		
26	Vial 26	07043d	BLDALCO	1	Sample		
27	Vial 27	07043e	BLDALCO	1	Sample		
28	Vial 28	0.10 con al	BLDALCO	1	Ctrl Samp		
29	Vial 29	blank	BLDALCO	1	Ctrl Samp		
30	Vial 30	07044a	BLDALCO	1	Sample		
31	Vial 31	07044b	BLDALCO	1	Sample		
32	Vial 32	07044c	BLDALCO	1	Sample		
33	Vial 33	07044d	BLDALCO	1	Sample		
34	Vial 34	07044e	BLDALCO	1	Sample		

*Calibration in
 controls 07041*

*AL
 20070925*

Sequence Table (Back Injector):

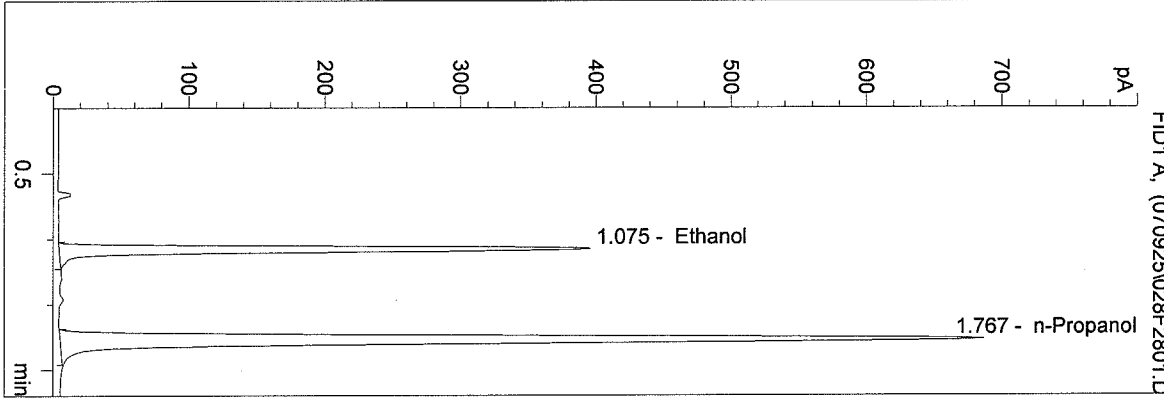
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AL
2007 09 25

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 Instrument 1
 DB ALC 1

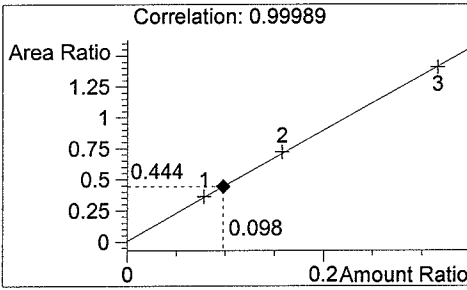
0.10 con al
 alouis

vial # 28



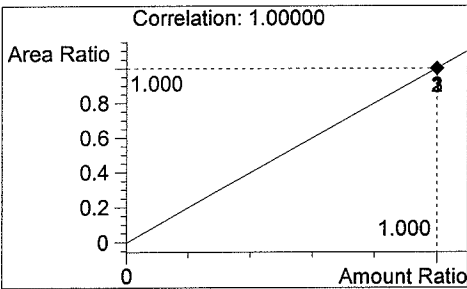
#	Compound	Area	RT
1	Ethanol	1203	1.075
2	n-Propanol	2710	1.767

Tot



Ethanol

0.098 g/100ml



n-Propanol

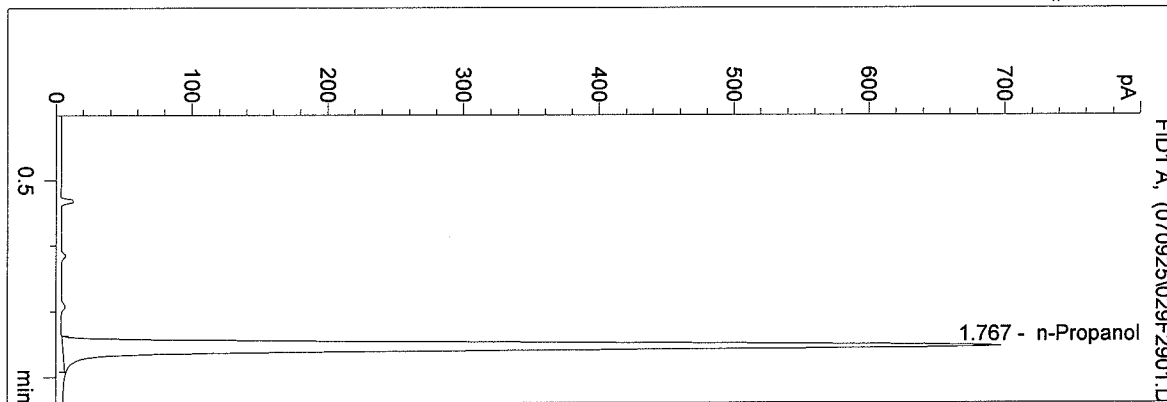
1.000 g/100ml

AL
 20070925

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 Instrument 1
 DB ALC 1

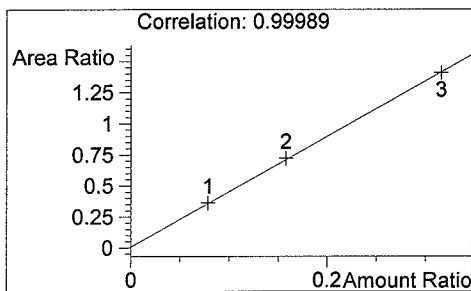
blank
 alouis

vial # 29



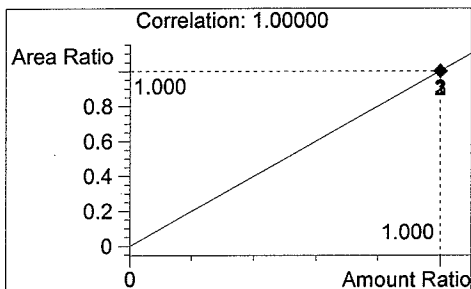
#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2746	1.767

Tot



Ethanol

0.000 g/100ml



n-Propanol

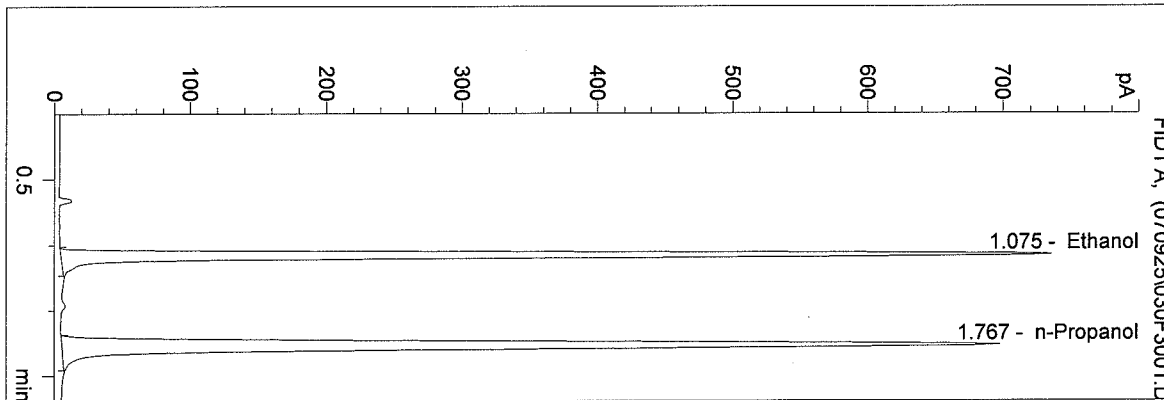
1.000 g/100ml

AK
 20070925

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 Instrument 1
 DB ALC 1

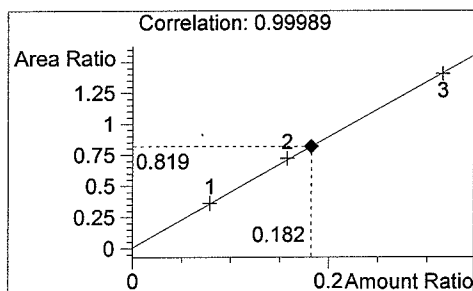
07044a
 alouis

vial # 30



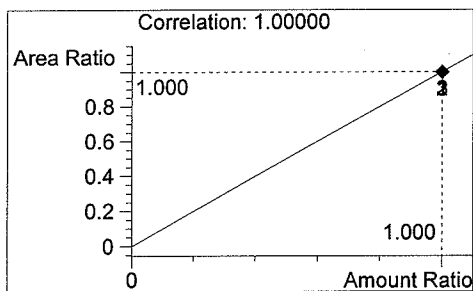
#	Compound	Area	RT
1	Ethanol	2243	1.075
2	n-Propanol	2739	1.767

Tot



Ethanol

0.182 g/100ml



n-Propanol

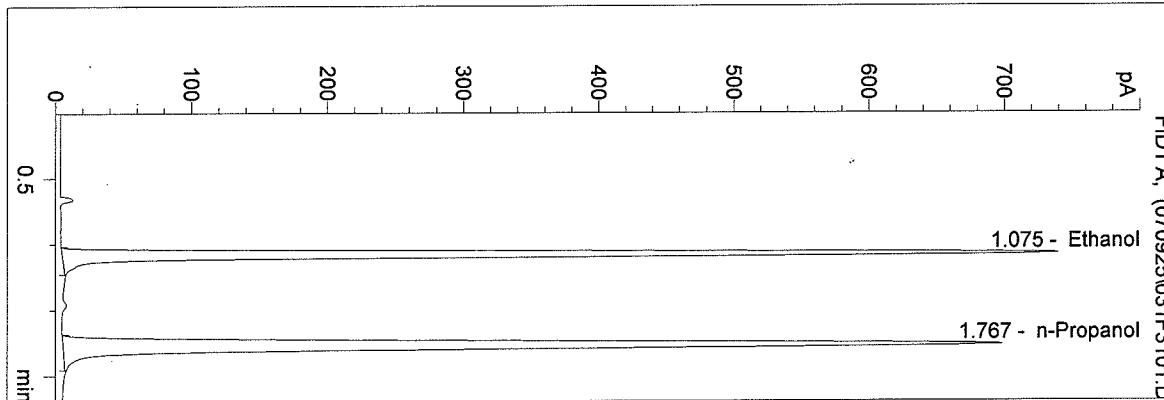
1.000 g/100ml

AL
 20070925

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 Instrument 1
 DB ALC 1

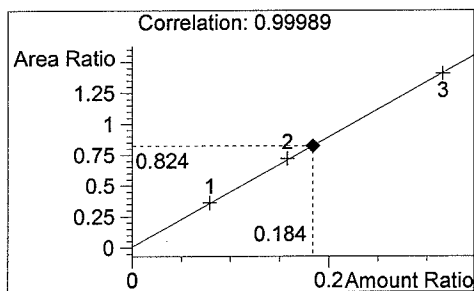
07044b
 alouis

vial # 31



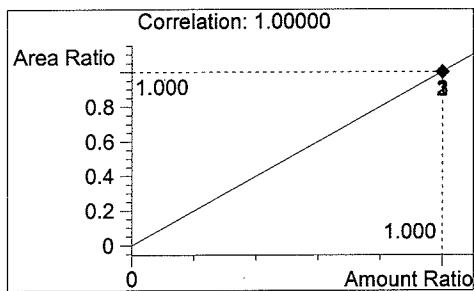
#	Compound	Area	RT
1	Ethanol	2258	1.075
2	n-Propanol	2739	1.767

Tot



Ethanol

0.184 g/100ml



n-Propanol

1.000 g/100ml

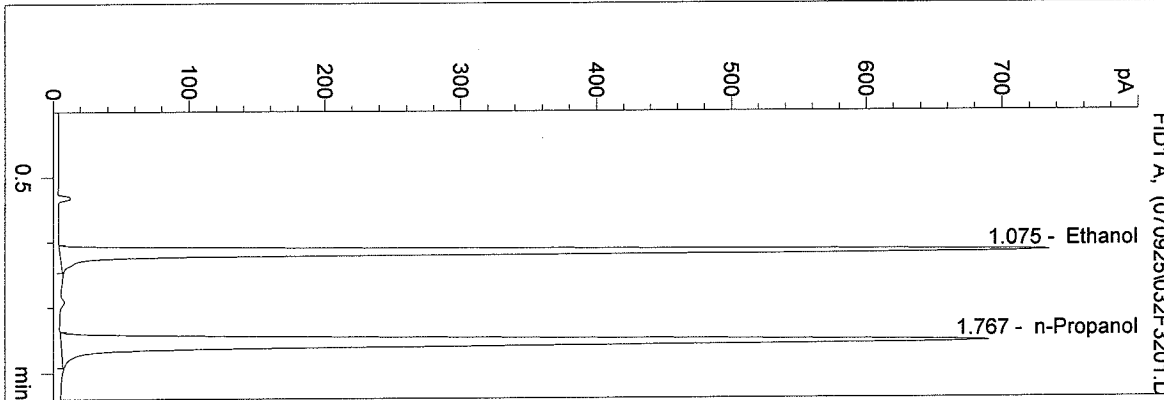
Al
 2007 0925

WASHINGTON STATE TOXICOLOGY LABORATORY

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 DB ALC 1

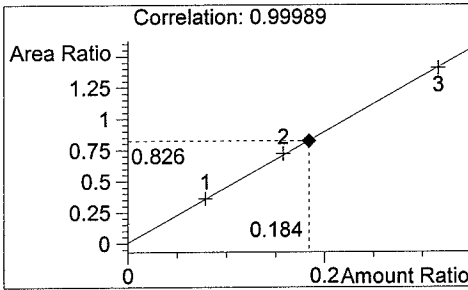
07044c
 alouis

vial # 32



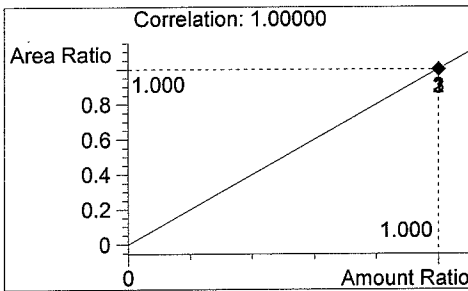
#	Compound	Area	RT
1	Ethanol	2244	1.075
2	n-Propanol	2717	1.767

Tot



Ethanol

0.184 g/100ml



n-Propanol

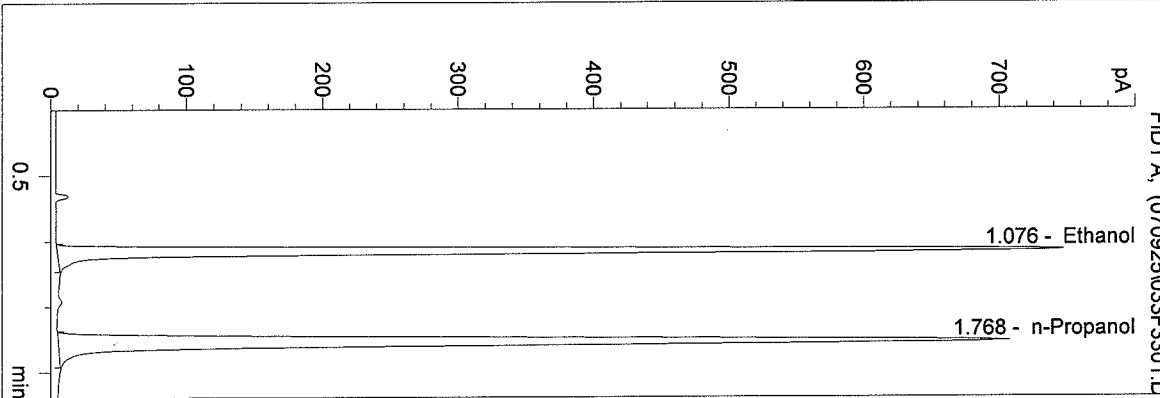
1.000 g/100ml

Al
 20070925

C:\HPCHEM\1\METHODS\BLDALCO.M
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 Instrument 1
 DB ALC 1

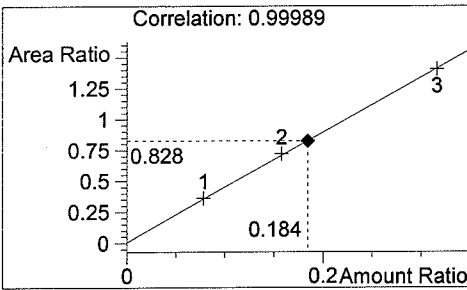
07044d
 alouis

vial # 33



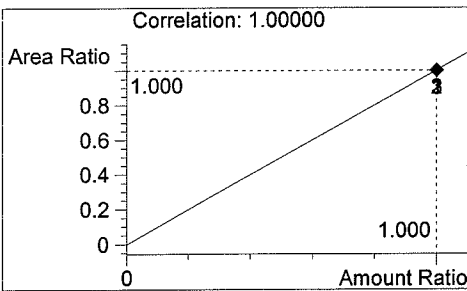
#	Compound	Area	RT
1	Ethanol	2298	1.076
2	n-Propanol	2776	1.768

Tot



Ethanol

0.184 g/100ml



n-Propanol

1.000 g/100ml

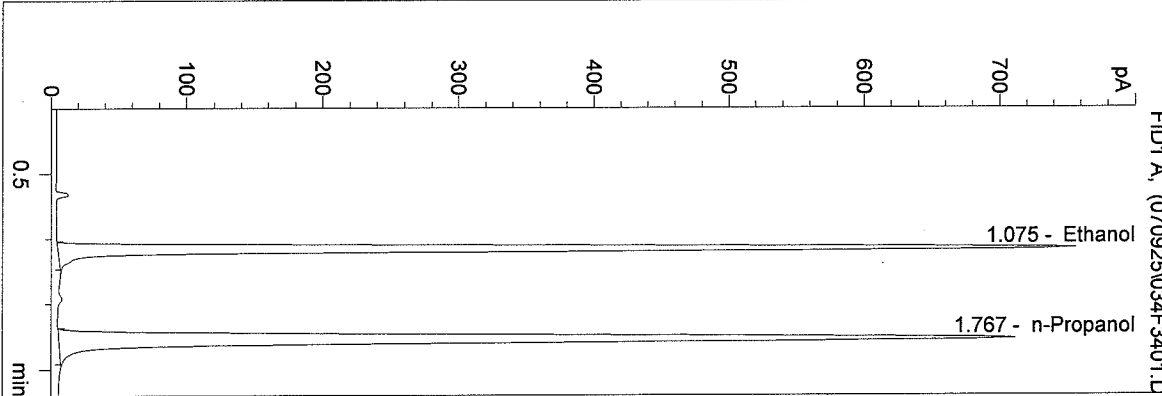
Handwritten signature and date:
 20070925

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
 9/25/2007 1:31:43 PM
 Instrument 1
 DB ALC 1

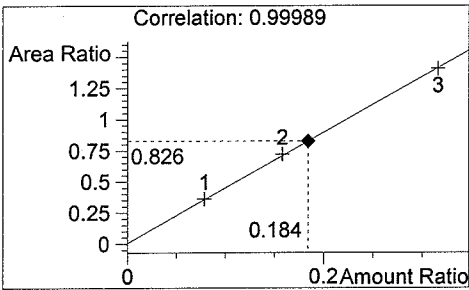
07044e
 alouis

vial # 34



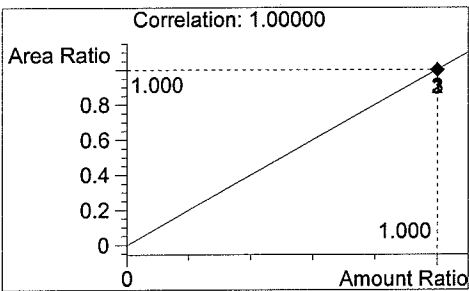
#	Compound	Area	RT
1	Ethanol	2310	1.075
2	n-Propanol	2796	1.767

Tot



Ethanol

0.184 g/100ml



n-Propanol

1.000 g/100ml

AL
 20070925

Sequence Parameters:

Operator: Chris Johnston
 Data File Naming: Auto
 Data Directory: D:\HPCHEM\1\DATA\
 Data Subdirectory: 070926CJ
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

CJ 9.27.07

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	07044 QA 0.10 ^{0.15} CJ	BLDALCO2	1	Sample		
2	Vial 2	07044 QA 0.10 CJ	BLDALCO2	1	Sample		
3	Vial 3	07044 QA 0.10 CJ	BLDALCO2	1	Sample		
4	Vial 4	07044 QA 0.10 CJ	BLDALCO2	1	Sample		
5	Vial 5	07044 QA 0.10 CJ	BLDALCO2	1	Sample		
6	Vial 6	0.10 control	CJ	BLDALCO2	1	Ctrl Samp	
7	Vial 7	blank		BLDALCO2	1	Sample	

0.15 sample tested from batch 07044 - CJ 9.27.07

Sequence Table (Back Injector):

No entries - empty table!

D:\HPCHEM\1\METHODS\BLDALCO2.M
 9/26/2007 10:21:22 AM
 Instrument 5
 DB-ALC2

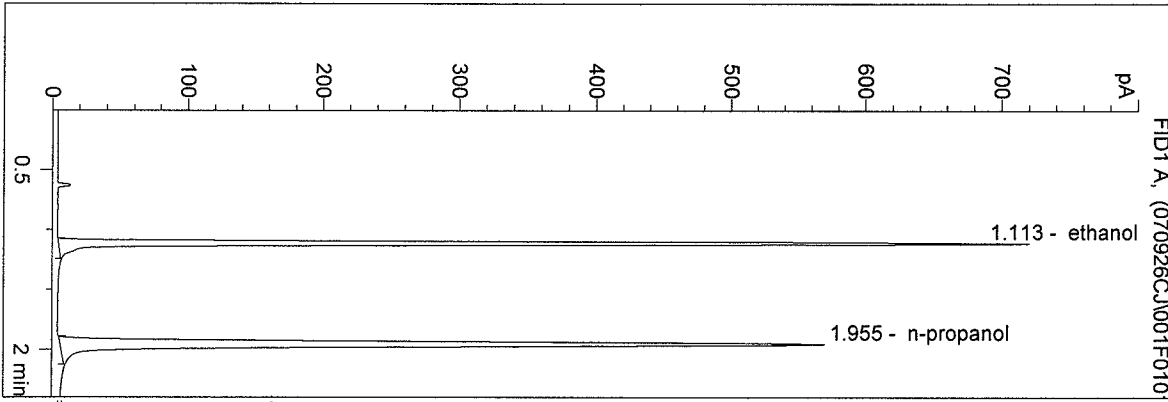
07044 QA ~~0.10~~ CJ
 Chris Johnston

vial # 1

019-2707

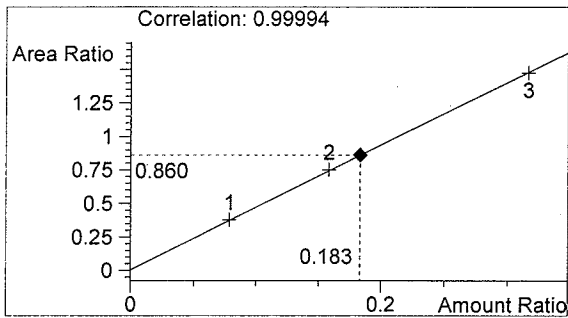
0.15

01-927-01

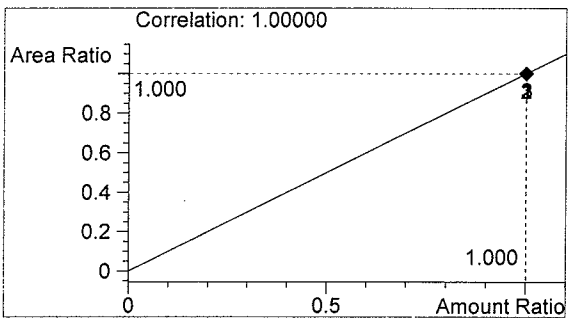


#	Compound	Area	RT
1	ethanol	1450	1.113
2	n-propanol	1686	1.955

Totals:



ethanol 0.183 g/100ml



n-propanol 1.000 g/100ml

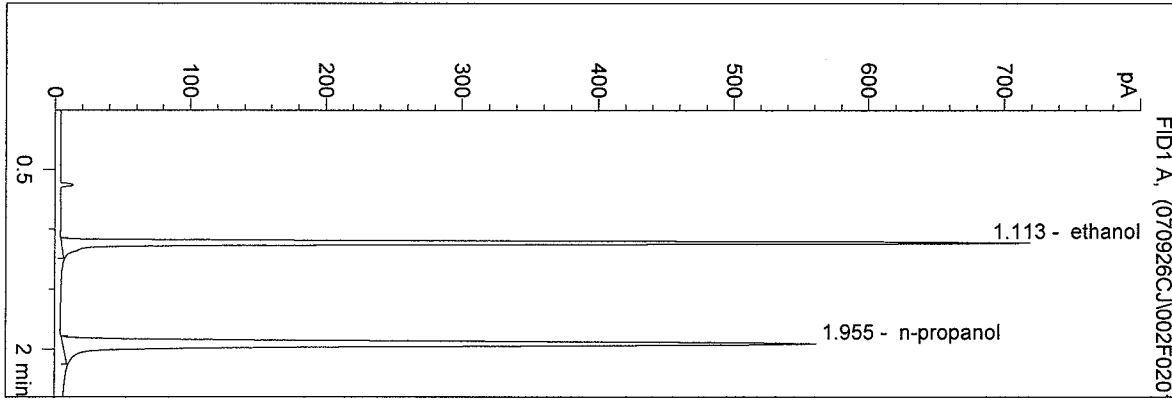
Calibration on ST0707487

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 Instrument 5
 DB-ALC2

015
 07044 QA 0.10 CJ
 Chris Johnston

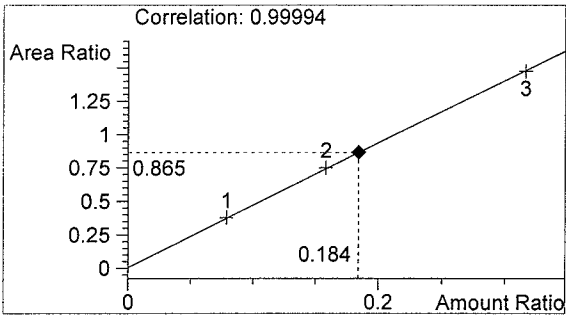
vial # 2

09.27.07

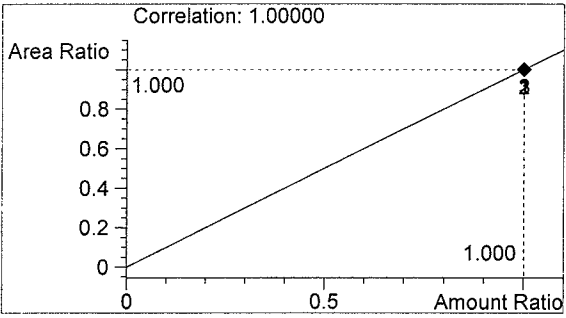


#	Compound	Area	RT
1	ethanol	1444	1.113
2	n-propanol	1670	1.955

Totals:



ethanol 0.184 g/100ml



n-propanol 1.000 g/100ml

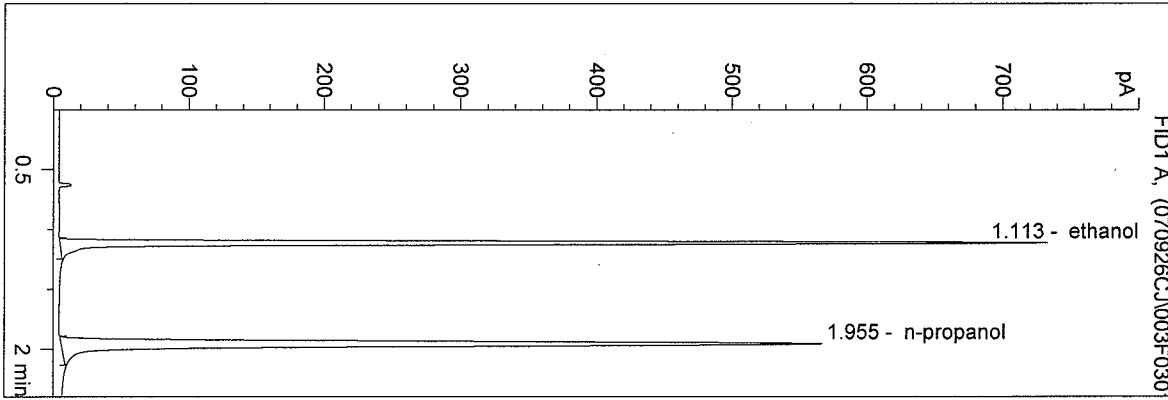
09.27.07

D:\HPCHEM\1\METHODS\BLDALCO2.M
9/26/2007 10:28:29 AM
Instrument 5
DB-ALC2

0.15
07044 QA ~~0.10~~ CJ
Chris Johnston

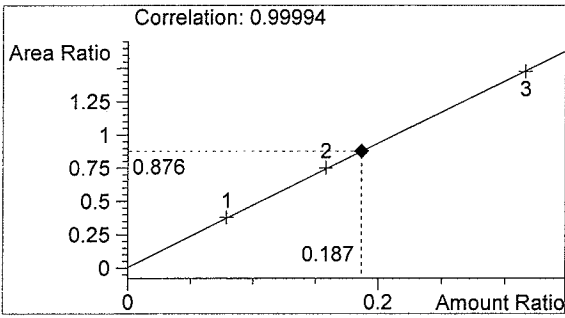
vial # 3

09.27.07

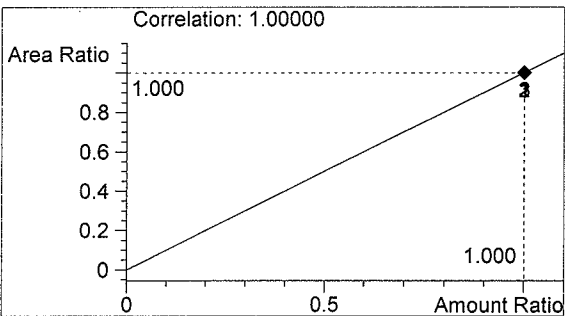


#	Compound	Area	RT
1	ethanol	1474	1.113
2	n-propanol	1682	1.955

Totals:



ethanol 0.187 g/100ml



n-propanol 1.000 g/100ml

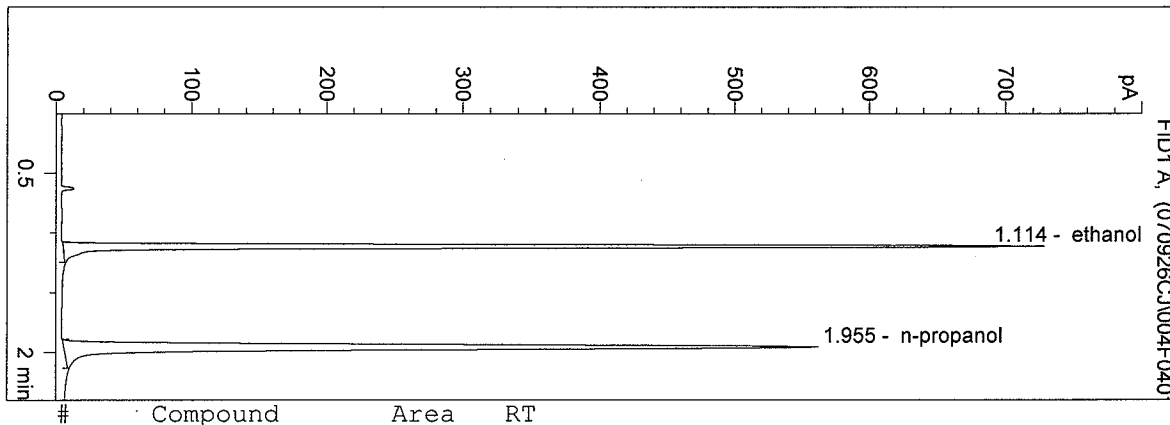
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 9/26/2007 10:33:20 AM
 Instrument 5
 DB-ALC2

07044 QA-0.10 CJ
 Chris Johnston

vial # 4

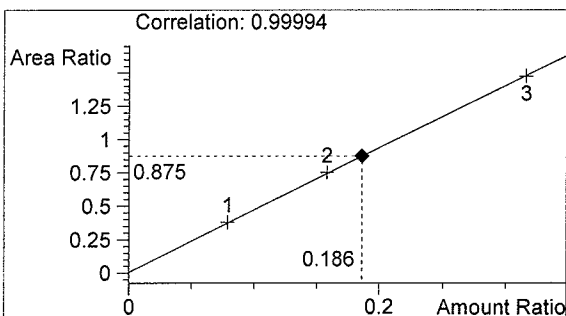
0.15 W 9.27.07

CJ 9.27.07

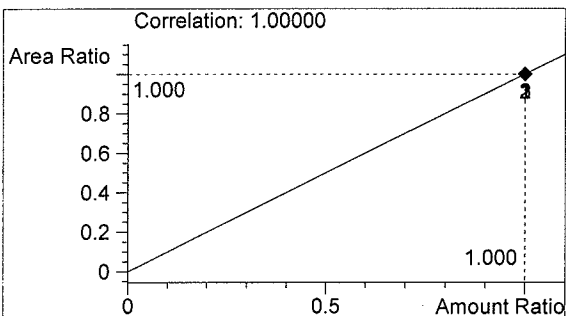


#	Compound	Area	RT
1	ethanol	1457	1.114
2	n-propanol	1665	1.955

Totals:



ethanol 0.186 g/100ml



n-propanol 1.000 g/100ml

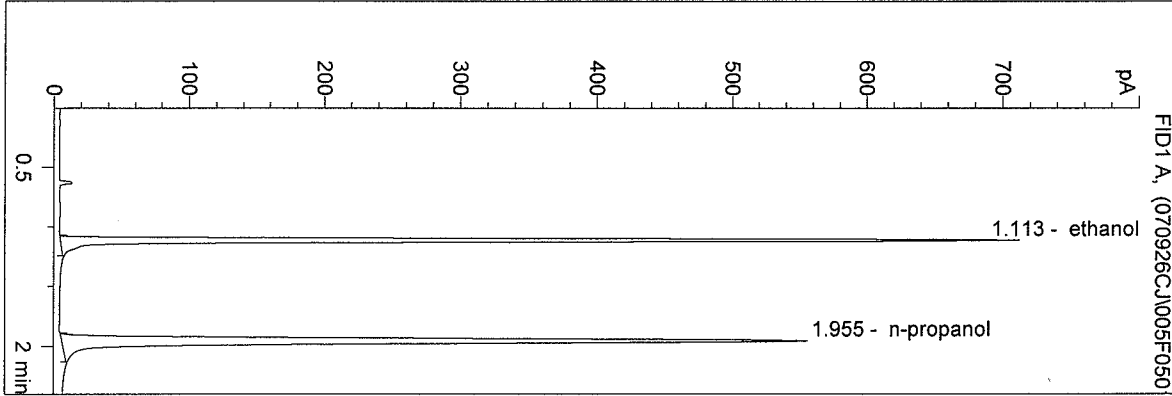
D:\HPCHEM\1\METHODS\BLDALCO2.M
 9/26/2007 10:36:51 AM
 Instrument 5
 DB-ALC2

07044 QA ~~8-10~~ CJ
 Chris Johnston

vial # 5

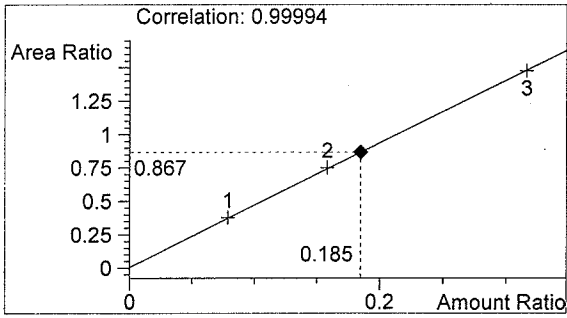
0.15
 9.27.07

9.27.07

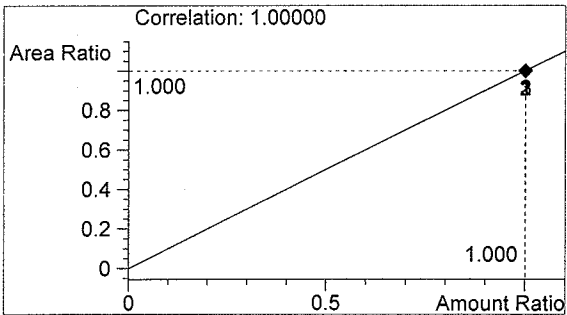


#	Compound	Area	RT
1	ethanol	1428	1.113
2	n-propanol	1646	1.955

Totals:



ethanol 0.185 g/100ml



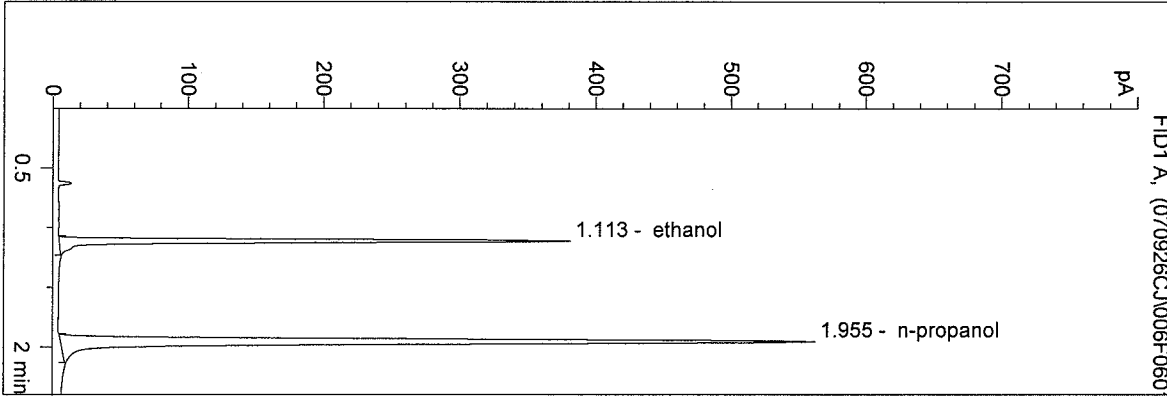
n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 9/26/2007 10:40:33 AM
 Instrument 5
 DB-ALC2

0.10 control CJ
 Chris Johnston

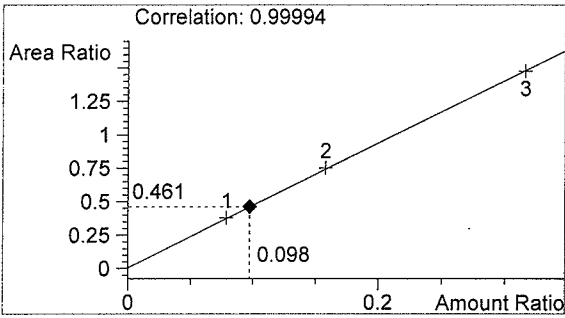
01.9.27.07

vial # 6

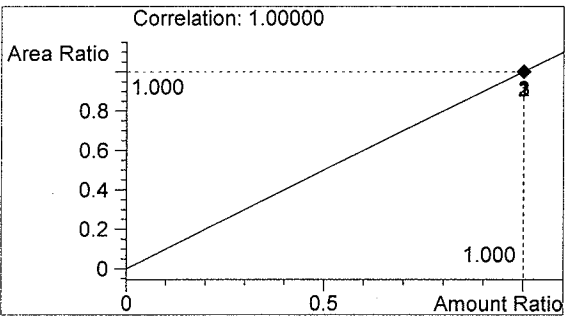


#	Compound	Area	RT
1	ethanol	770	1.113
2	n-propanol	1670	1.955

Totals:



ethanol 0.098 g/100ml

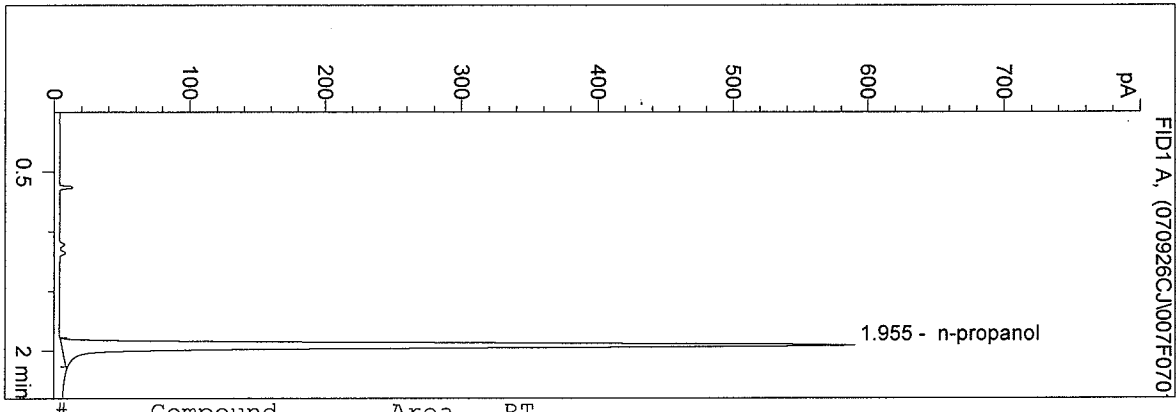


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 9/26/2007 10:45:27 AM
 Instrument 5
 DB-ALC2

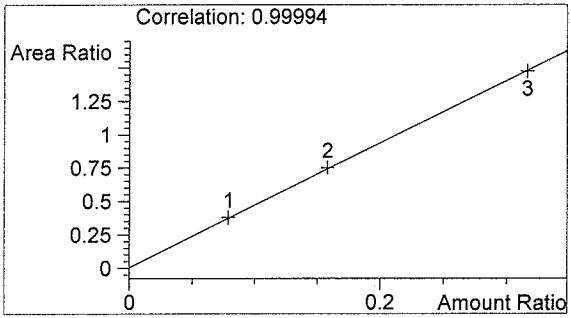
blank
 Chris Johnston
 vial # 7

01 9-27-07

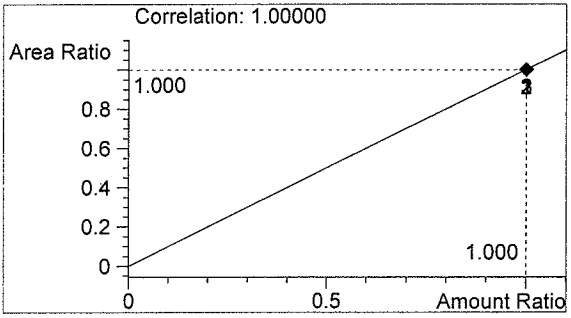


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1752	1.955

Totals:



ethanol 0.000 g/100ml



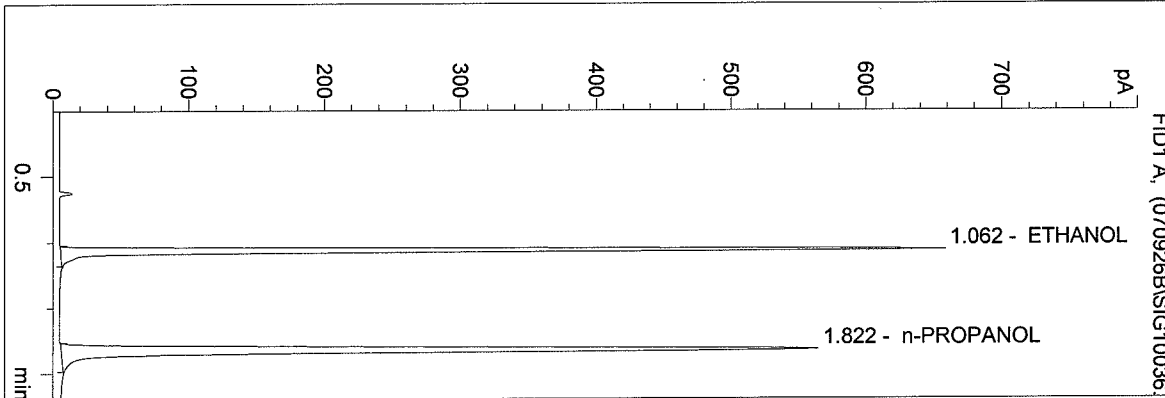
n-propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M
 9/26/2007 4:27:04 PM
 Instrument 3
 db-alc2

07044 QA-1
 N Nuwayhid, PhD

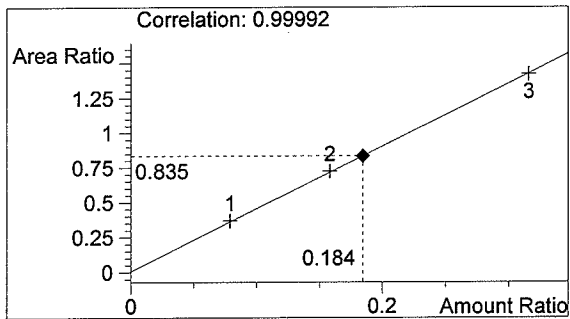
*Calibrators in
 0707519*

vial # 36



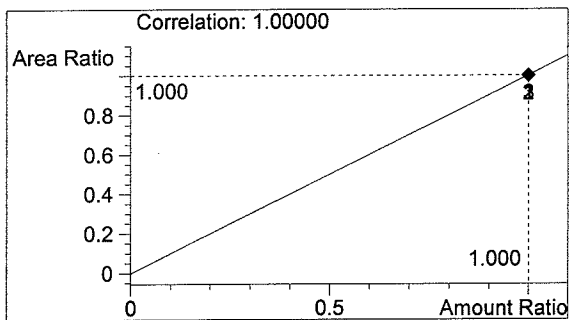
#	Compound	Area	RT
1	ETHANOL	1284	1.062
2	n-PROPANOL	1538	1.822

Totals:



ETHANOL

0.184 g/100ml



n-PROPANOL

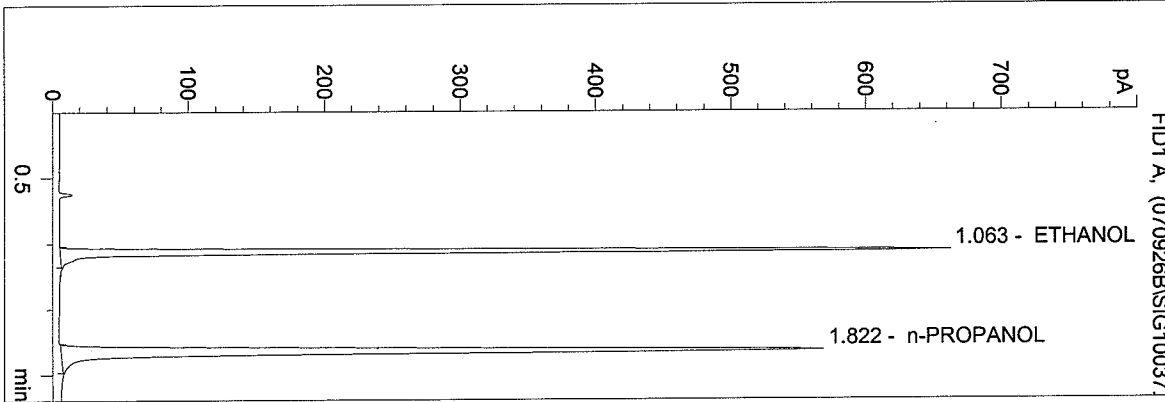
1.000 g/100ml

*NW
 10/1/07*

C:\HPCHEM\2\METHODS\BLDALCO3.M
 9/26/2007 4:30:11 PM
 Instrument 3
 db-alc2

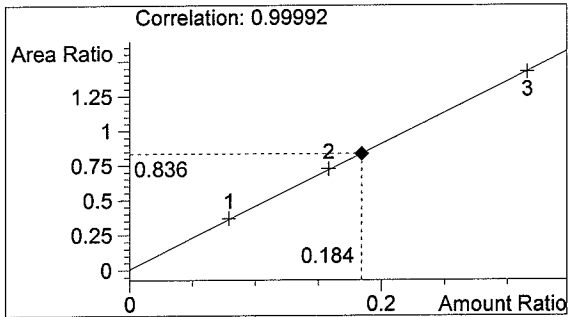
07044 QA-2
 N Nuwayhid, PhD

vial # 37



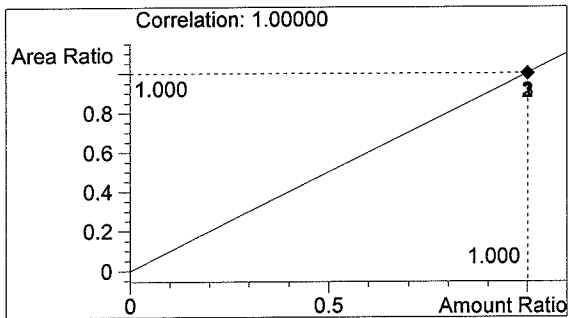
#	Compound	Area	RT
1	ETHANOL	1292	1.063
2	n-PROPANOL	1546	1.822

Totals:



ETHANOL

0.184 g/100ml



n-PROPANOL

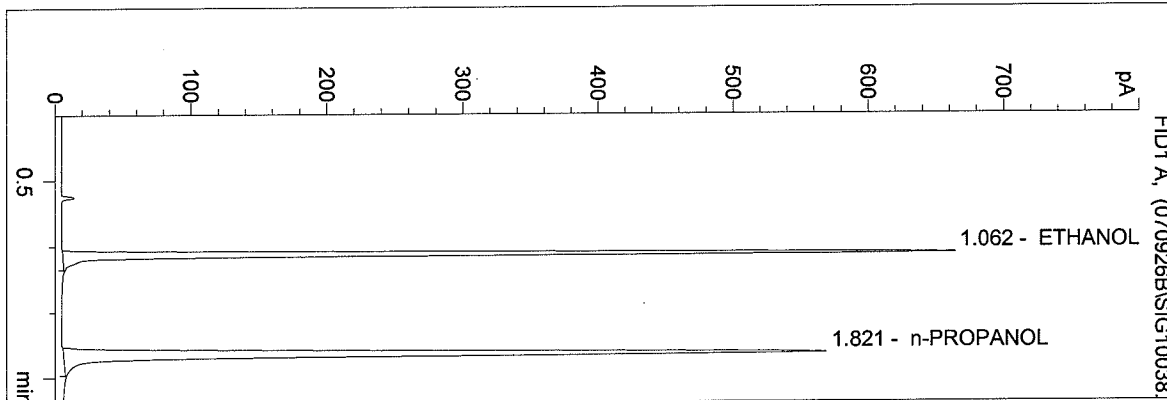
1.000 g/100ml

NP
 10/1/07

C:\HPCHEM\2\METHODS\BLDALCO3.M
 9/26/2007 4:33:18 PM
 Instrument 3
 db-alc2

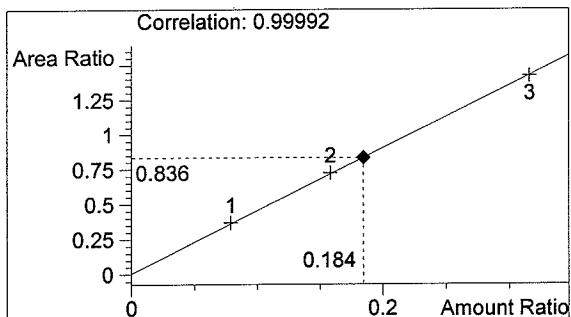
07044 QA-3
 N Nuwayhid, PhD

vial # 38



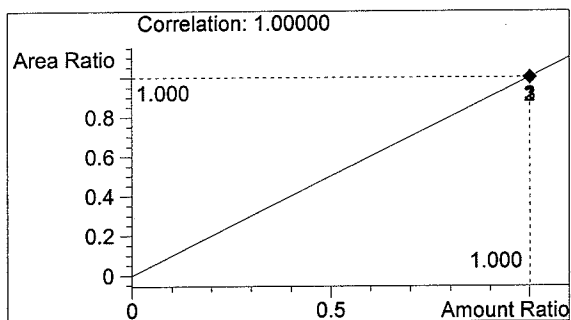
#	Compound	Area	RT
1	ETHANOL	1297	1.062
2	n-PROPANOL	1552	1.821

Totals:



ETHANOL

0.184 g/100ml



n-PROPANOL

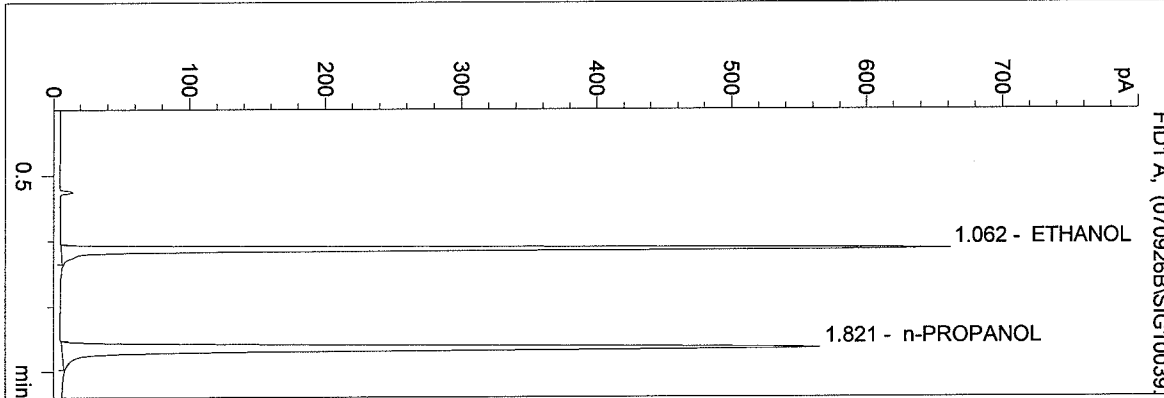
1.000 g/100ml

NN
 10/1/07

C:\HPCHEM\2\METHODS\BLDALCO3.M
 9/26/2007 4:36:26 PM
 Instrument 3
 db-alc2

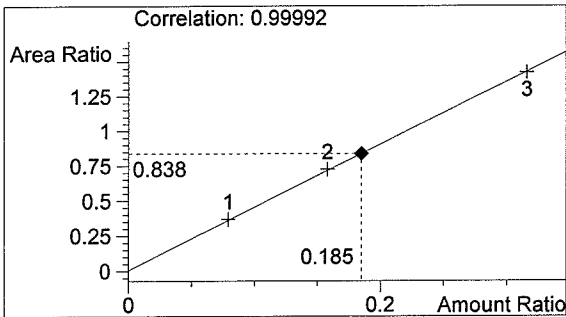
07044 QA-4
 N Nuwayhid, PhD

vial # 39



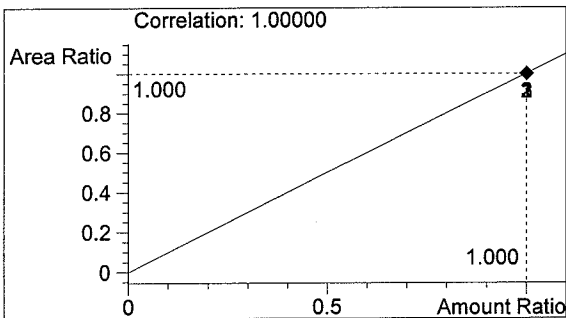
#	Compound	Area	RT
1	ETHANOL	1287	1.062
2	n-PROPANOL	1536	1.821

Totals:



ETHANOL

0.185 g/100ml



n-PROPANOL

1.000 g/100ml

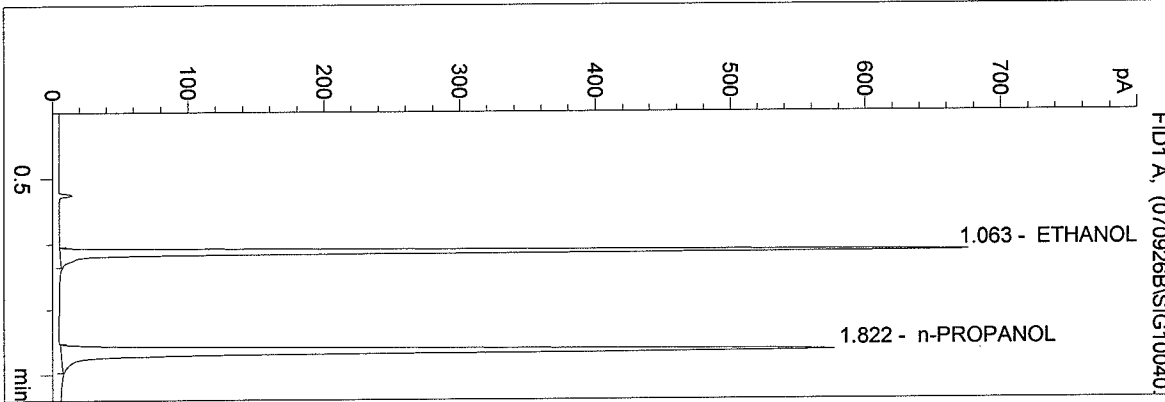
NN
 10/1/07

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C:\HPCHEM\2\METHODS\BLDALCO3.M
 9/26/2007 4:39:33 PM
 Instrument 3
 db-alc2

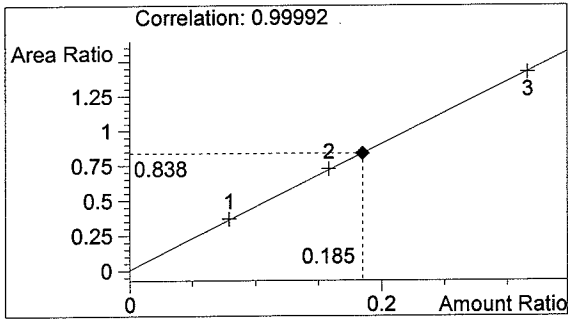
07044 QA-5
 N Nuwayhid, PhD

vial # 40



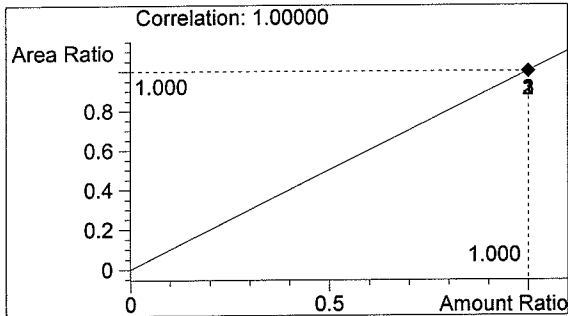
#	Compound	Area	RT
1	ETHANOL	1316	1.063
2	n-PROPANOL	1570	1.822

Totals:



ETHANOL

0.185 g/100ml



n-PROPANOL

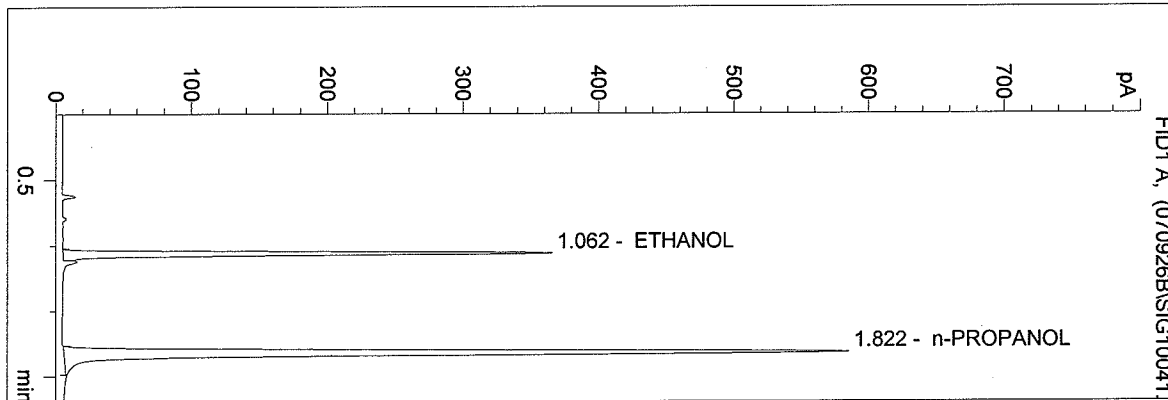
1.000 g/100ml

NW
 10/1/07

C:\HPCHEM\2\METHODS\BLDALCO3.M
 9/26/2007 4:42:40 PM
 Instrument 3
 db-alc2

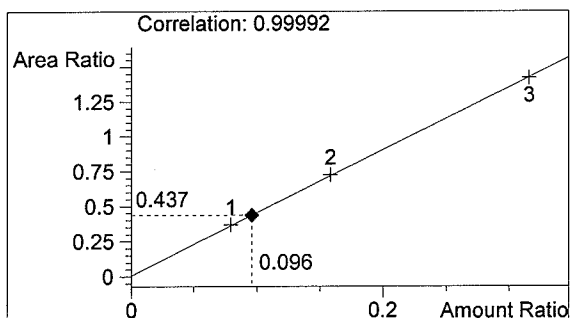
0.10 Ctrl-NN
 N Nuwayhid, PhD

vial # 41



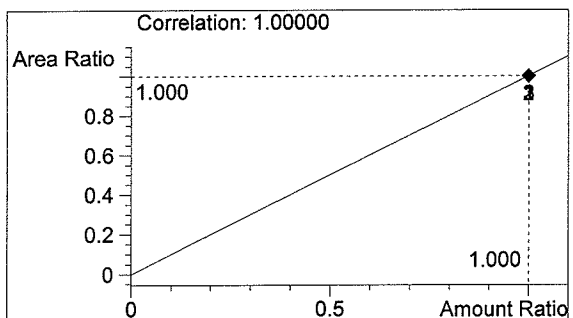
#	Compound	Area	RT
1	ETHANOL	698	1.062
2	n-PROPANOL	1595	1.822

Totals:



ETHANOL

0.096 g/100ml



n-PROPANOL

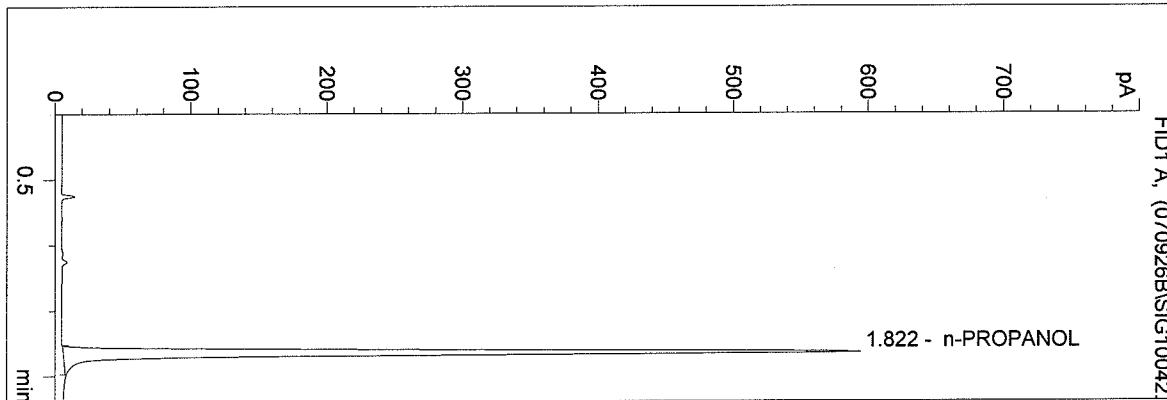
1.000 g/100ml

NN
 10/1/07

C:\HPCHEM\2\METHODS\BLDALCO3.M
 9/26/2007 4:45:47 PM
 Instrument 3
 db-alc2

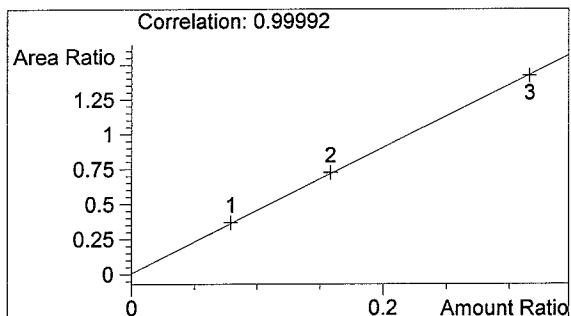
Blank
 N Nuwayhid, PhD

vial # 42



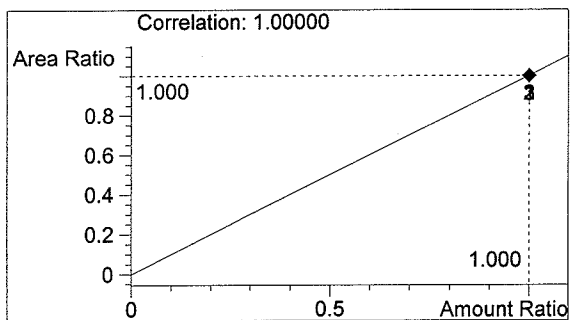
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1621	1.822

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

Handwritten: NU
 10/1/07