WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION
2203 Airport Way S, Suite 360 SEATTLE, WA 98134

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/18/2008

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 12012

CUSTOMER INFORMATION
Washington State Patrol – Breath Test Program
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions; Headspace-Gas Chromatography.

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 02/13/2012
BATCH UNITS: g/100mL

IDENTITY: External Standard Solution
PREPARED BY: Christopher Johnston

	CSJ	JLK	AJL	NN	DC	BB	BEO	LN
1	0.104	0.106	0.103	0.103	0.104	0.104	0.106	0.106
2	0.106	0.105	0.104	0.104	0.104	0.106	0.104	0.106
3	0.106	0.104	0.103	0.105	0.104	0.105	0.104	0.106
4	0.105	0.104	0.103	0.104	0.104	0.104	0.105	0.106
5	0.104	0.104	0.104	0.105	0.105	0.105	0.104	0.106
C	0.101	0.100	0.100	0.101	0.100	0.101	0.102	0.105

ETHANOL CONTROL INFORMATION
LOT NUMBER: A075806 EXPIRATION: 11/2014 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1046 g/100mL
STANDARD DEVIATION: 0.00098
PRECISION CV (%): 0.94
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0850 g/210L**
EXPANDED UNCERTAINTY: ± 0.0036 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS 5 — 3-16-2012
Melissa L. Pemberton — Forensic Scientist Supervisor — DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
CSJ	Christopher S. Johnston		02/13/2012
JLK	Justin L. Knoy		02/15/2012
AJL	Asa J. Louis		02/16/2012
NN	Naziha Nuwayhid		02/24/2012
DC	Dawn Cox		02/24/2012
BB	Brittany Ball	Brittany Ball	02/27/2012
BEO	Brianne O'Reilly		02/28/2012
LN	Lisa Noble		02/28/2012

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division.

Washington State Patrol - Toxicology Laboratory Division
ESS Test Report Calculation Record

External Standard Solution Batch #: 12012 **Date Prepared: 2/13/2012**

Analyst:	CSJ	JLK	AJL	NN	DC	BB	BEO	LN
Date Tested:	2/13/2012	2/15/2012	2/16/2012	2/24/2012	2/24/2012	2/27/2012	2/28/2012	2/28/2012
Instrument:	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3
1	0.104	0.106	0.103	0.103	0.104	0.104	0.106	0.106
2	0.106	0.105	0.104	0.104	0.104	0.106	0.104	0.106
3	0.106	0.104	0.103	0.105	0.104	0.105	0.104	0.106
4	0.105	0.104	0.103	0.104	0.104	0.104	0.105	0.106
5	0.104	0.104	0.104	0.105	0.105	0.105	0.104	0.106
C	0.101	0.100	0.100	0.101	0.100	0.101	0.102	0.105

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000881170	0.0002717356	0.0001016326

Ethanol Control Lot #: A075806
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1046 g/100mL
Standard Deviation: 0.00098 g/100mL
Precision CV (%): 0.94
Equivalent Vapor Concentration: 0.0850 g/210L
Combined Standard Uncertainty (±): 0.0018 g/210L
Expanded Uncertainty (±): 0.0036 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa M. Pemberton [signature] 3-1-2012
Name Signature Date

Calculations verified by: Jason Skleron [signature] 3-8-12
Name Signature Date

Method: Hand Calculator

Technical review of batch file performed by:
Melissa M. Pemberton [signature] 3-6-2012
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Jason Sklerov **Date:** 03/08/12

Location: WSP-FLSB; Seattle, WA **Solution Batch Number:** 12012

	YES	NO	N/A
Analysis dates do not precede preparation date:	☒	☐	☐
Declarations signed and properly dated:	☒	☐	☐
Data entry corresponds to all chromatograms:	☒	☐	☐
All signatures present on Test Report:	☒	☐	☐
Average solution concentration correct:	☒	☐	☐
Standard deviation correct:	☒	☐	☐
CV (%) correct:	☒	☐	☐
Equivalent vapor concentration correct:	☒	☐	☐
All chromatograms and sequences included in file:	☒	☐	☐
Ethanol control information present: (lot # present & used within expiration)	☒	☐	☐
Complies with accuracy and precision requirements established by the State Toxicologist:	☒	☐	☐

Comments:

Reviewer Signature: (SKLOJZW) **Date:** 3-8-12

Reviewer Signature: N/A (JHB) 3/8/12 **Date:**

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

1) Checked your data
2) Checked the date to the right of your name on the Test Report
3) Signed the Test Report

	Initials	Date
Amanda Black		
Asa Louis	AL	2012MAR02
Brian Capron		
Brianna Peterson		
Brianne O'Reilly	BOO	3·2·12
Brittany Ball	BB	3/2/12
Christie Mitchell-Mata		
Christopher Johnston	CJ	3-1-12
Dawn Cox	DC	3·1·12
Justin Knoy	JK	3-1-12
Lisa Noble	LN	3/2/12
Melissa Pemberton		
Naziha Nuwayhid	NN	3/5/12
Rebecca Flaherty		
Sarah Swenson		

Batch # 12012

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 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12012

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 external standard solution, Lot Number 12012, was prepared in the Washington State Toxicology Laboratory on 2/13/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/13/2013.

Seattle, WA

3/1/2012

Christopher S. Johnston Date
Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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WASHINGTON STATE PATROL
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12012

I, Justin L. Knoy, 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 Biology, and MS degree in Forensic Science.

The external standard solution, Lot Number 12012, was prepared in the Washington State Toxicology Laboratory on 2/13/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/13/2013.

Seattle, WA

3-1-12

Justin L. Knoy
Forensic Toxicologist

Date

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12012

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 over ten years of toxicology experience.

The external standard solution, Lot Number 12012, was prepared in the Washington State Toxicology Laboratory on 2/13/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/13/2013.

Seattle, WA

2012 MAR 02

Asa J. Louis — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12012

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 more than ten years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The external standard solution, Lot Number 12012, was prepared in the Washington State Toxicology Laboratory on 2/13/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/13/2013.

Seattle, WA

3/5/12

Naziha Nuwayhid — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12012

I, Dawn Cox, 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 in Forensic Chemistry and over nine years of experience in the field of toxicology.

The external standard solution, Lot Number 12012, was prepared in the Washington State Toxicology Laboratory on 2/13/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/13/2013.

Seattle, WA

Dawn Cox 3-1-12

Dawn Cox Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12012

I, Brittany Ball, 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 Biology and a Masters in Forensic Science.

The external standard solution, Lot Number 12012, was prepared in the Washington State Toxicology Laboratory on 2/13/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/13/2013.

Seattle, WA

Brittany Ball 3/2/12

Brittany Ball Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12012

I, Brianne E. O'Reilly, 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 Biology and MS degree in Veterinary Medical Sciences.

The external standard solution, Lot Number 12012, was prepared in the Washington State Toxicology Laboratory on 2/13/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/13/2013.

Seattle, WA

Brianne E O'Reilly 3·2·12

Brianne E. O'Reilly Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12012

I, Lisa 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 five years laboratory experience in forensic toxicology.

The external standard solution, Lot Number 12012, was prepared in the Washington State Toxicology Laboratory on 2/13/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/13/2013.

Seattle, WA

Lisa Noble 3/2/12

Lisa Noble Date

Forensic Toxicologist

WSP-TLD **COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET**

FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET

Preparation Date: 2/13/2012 Initials of Preparer: CJ

Expiration Date: 2/13/2013

Lot # of 200-proof Ethanol used in preparation: ZW0039

Date the 200-proof Ethanol bottle was opened: 01/9/2012

After opening, each bottle of 200-proof Ethanol is approved for use for 6 months unless an extension is approved by the State Toxicologist. This timeframe applies to the 200-proof Ethanol only, not to simulator solutions which have a 1 year expiration.

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☐	
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.0	18	☐	
ESS	66.5	52	☑	12012

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 2/13/2012 Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:

Chris [illegible] Analyst Signature

2/13/2012 Date

Sequence Parameters:

Operator:	Chris Johnston
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120213CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot # E0112-01 - exp 4/29/12
Cal 2- Lot # E0112-02 - exp 4/29/12
Cal 3- Lot # E0112-03 - exp 4/29/12

0.04 Control - Lot # A077459 - exp 02/~~2012~~ 2015 CJ
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Cal 1 Lot # E0112-01
3	Vial 3	Cal 2 Lot # E0112-02
4	Vial 4	Cal 3 Lot # E0112-03
5	Vial 5	
6	Vial 6	0.04 control lot# ~~a075264~~ A077459 exp ~~10/2014~~ 02/2015 CJ
7	Vial 7	0.10 control lot# a075806 exp 11/2014
8	Vial 8	0.20 control lot# a076521 exp 12/2014
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12012

CJ

Sequence: C:\HPCHEM\2\SEQUENCE\CJEXTST3.S

Line	Location	Sample Information
15	Vial 15	0.10 control lot# a075806 exp 11/2014
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-CJ	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CJ	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CJ	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CJ	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		
10	Vial 10	ESS 12012 #1	SIMALC3	1	Sample		
11	Vial 11	ESS 12012 #2	SIMALC3	1	Sample		
12	Vial 12	ESS 12012 #3	SIMALC3	1	Sample		
13	Vial 13	ESS 12012 #4	SIMALC3	1	Sample		
14	Vial 14	ESS 12012 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-CJ	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12012

CJ

Calibration Table

Calib. Data Modified : Monday, February 13, 2012 1:33:17 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.064	1	1	7.90200e-2	509.04895	1.55231e-4	1		Ethanol
		2	1.58720e-1	1025.93481	1.54708e-4			
		3	3.17800e-1	2060.13940	1.54261e-4			
1.824	1	1	1.00000	1267.83728	7.88745e-4	I1		n-Propanol
		2	1.00000	1268.07275	7.88598e-4			
		3	1.00000	1270.79663	7.86908e-4			

Peak Sum Table

No Entries in table

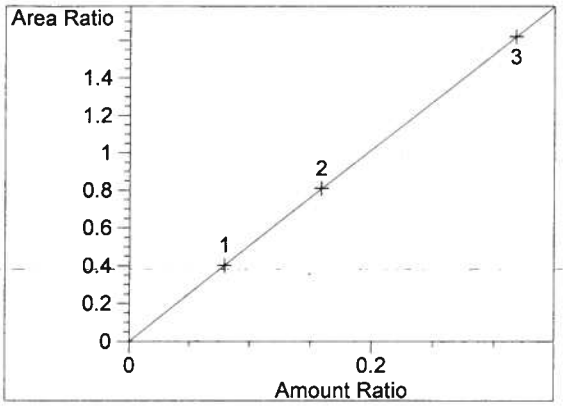
12012

CJ

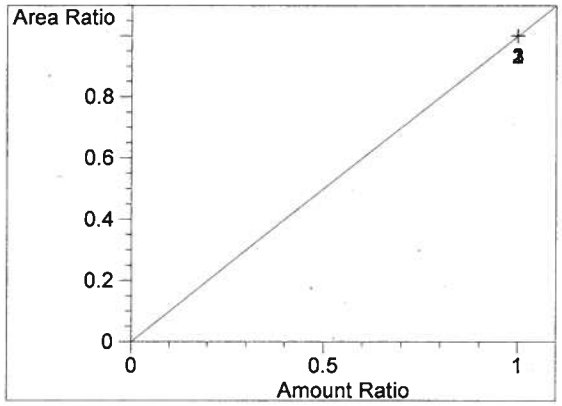
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00088
Formula: y = mx + b
m: 5.10263
b: -7.53778e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.824
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

12012

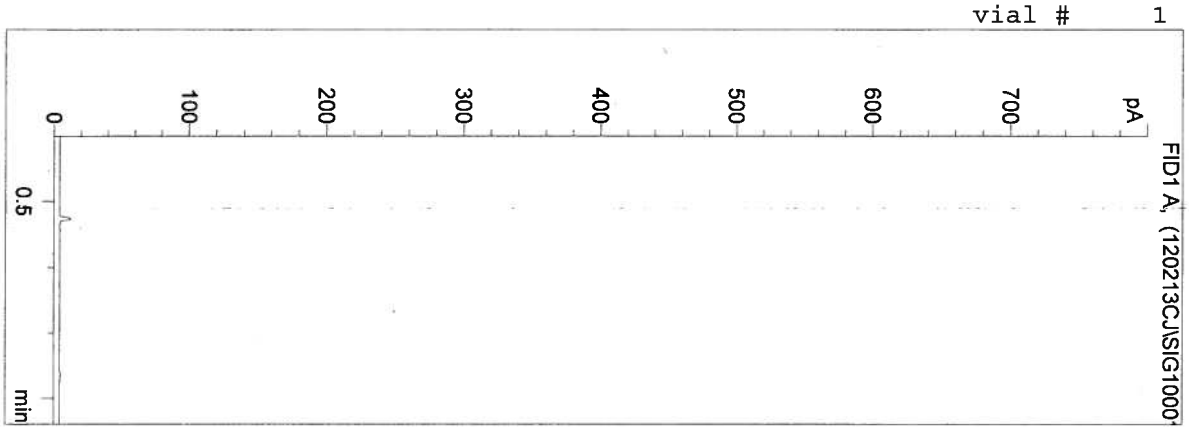
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/13/2012 1:21:43 PM
Instrument 3
DB-ALC2

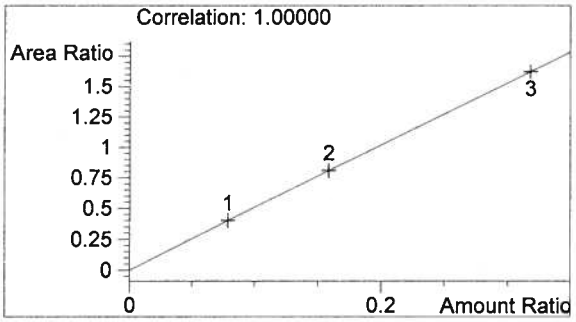
BLANK-CJ
Chris Johnston

vial # 1

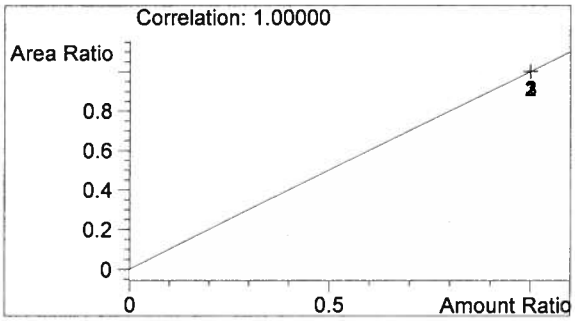


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12012

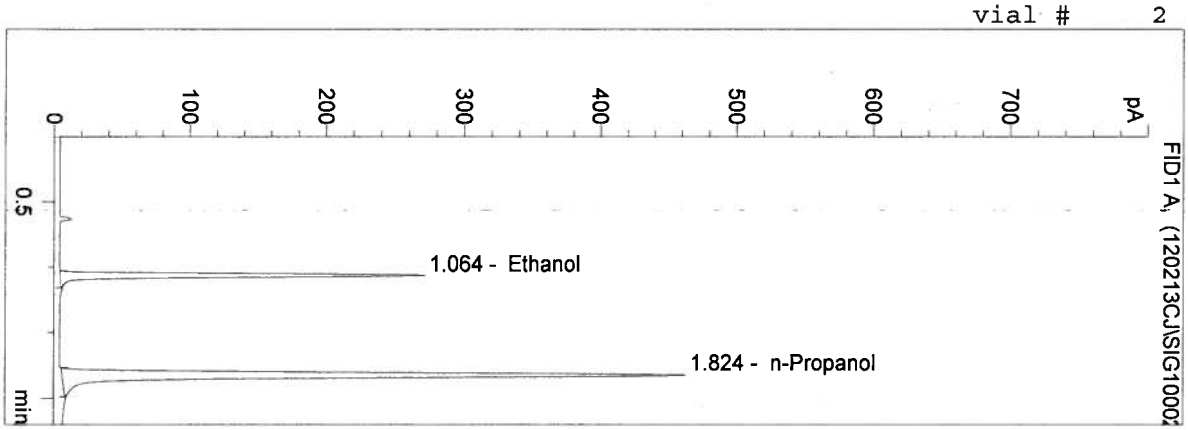
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/13/2012 1:24:50 PM
Instrument 3
DB-ALC2

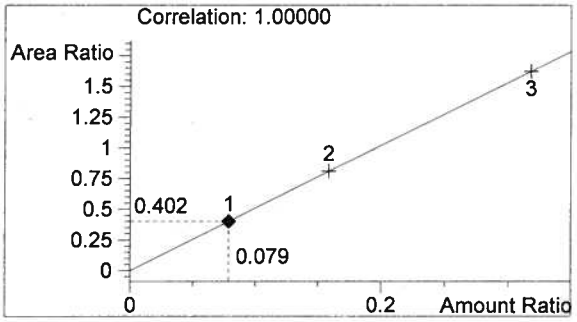
0.079 CAL 1
Chris Johnston

vial # 2

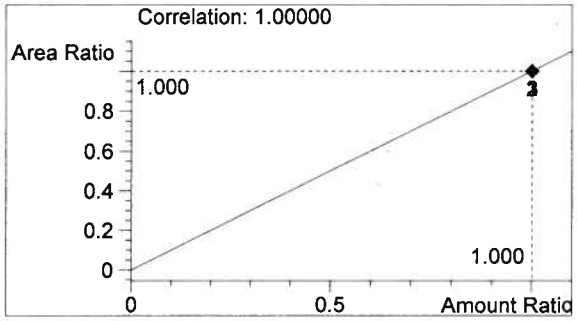


#	Compound	Area	RT
1	Ethanol	509	1.064
2	n-Propanol	1268	1.824

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

12012

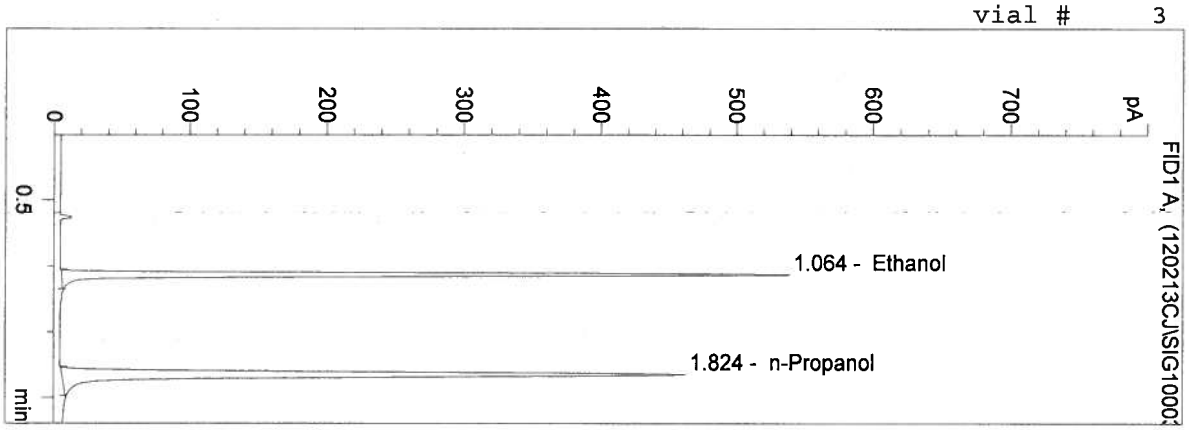
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/13/2012 1:27:57 PM
Instrument 3
DB-ALC2

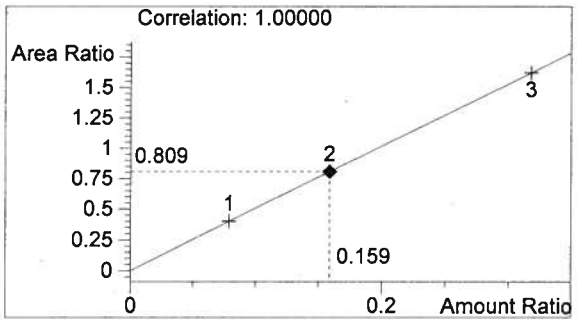
0.158 CAL 2
Chris Johnston

vial # 3

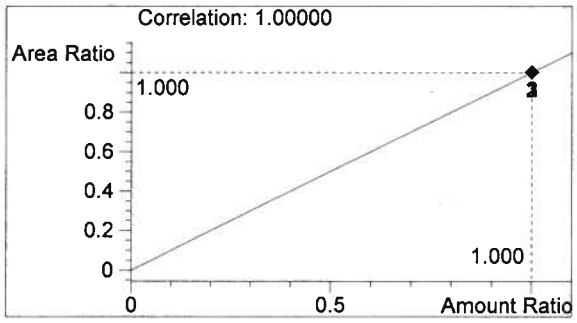


#	Compound	Area	RT
1	Ethanol	1026	1.064
2	n-Propanol	1268	1.824

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

12012

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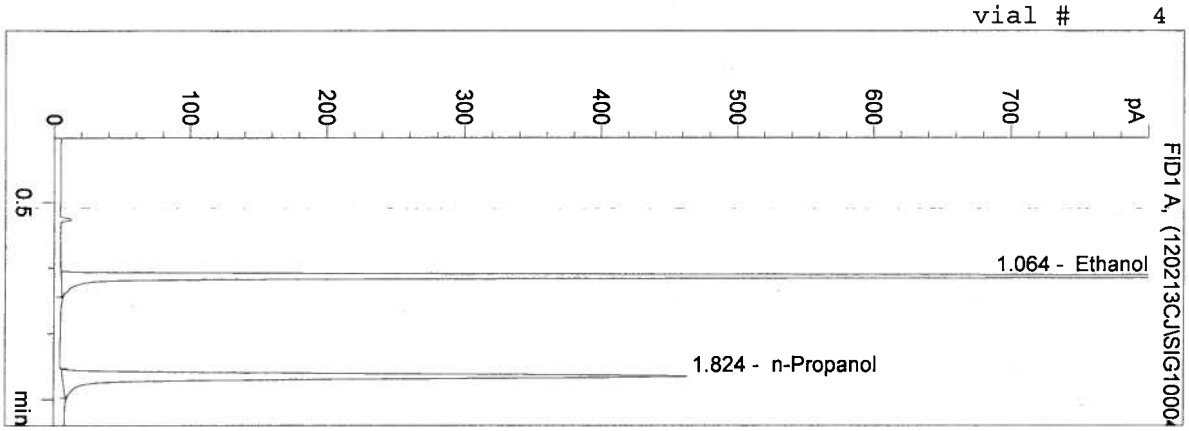
Instrument 3
DB-ALC2

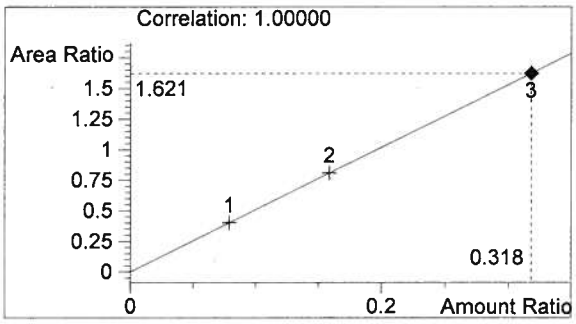
0.316 CAL 3
Chris Johnston

vial # 4

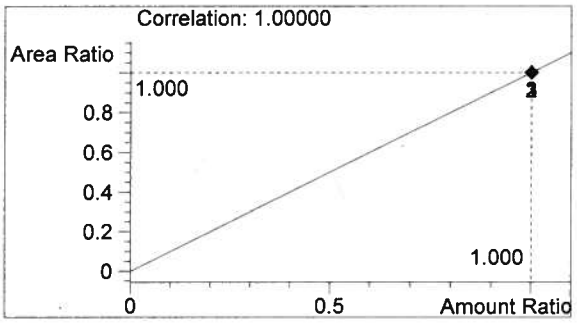


#	Compound	Area	RT
1	Ethanol	2060	1.064
2	n-Propanol	1271	1.824

Totals:



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

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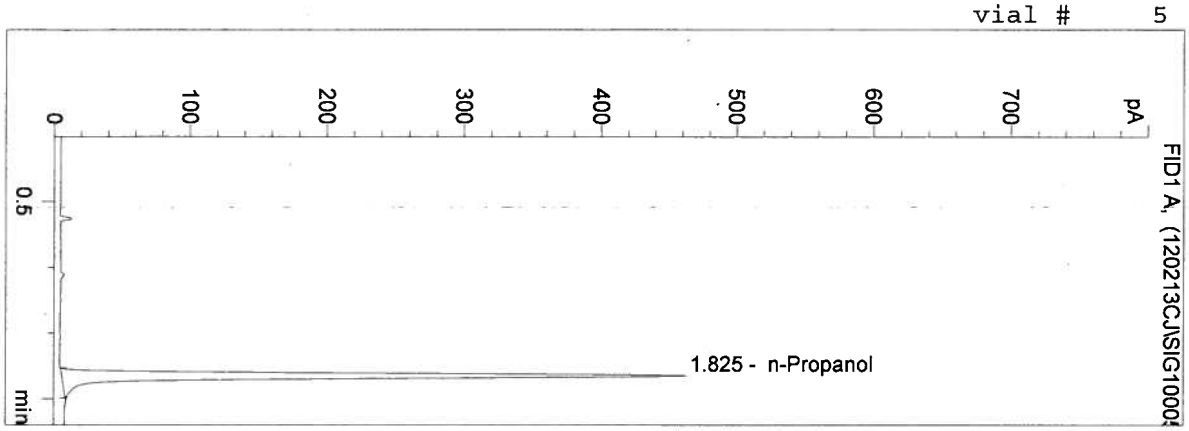
Instrument 3
DB-ALC2

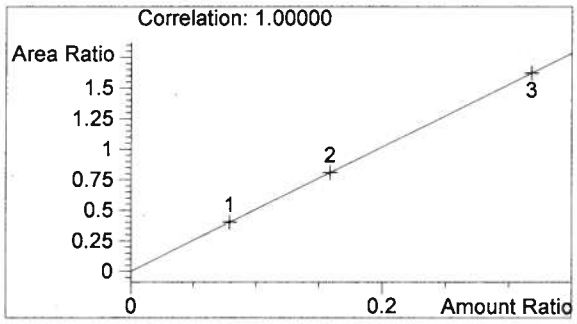
NEG CTRL-CJ
Chris Johnston

vial # 5

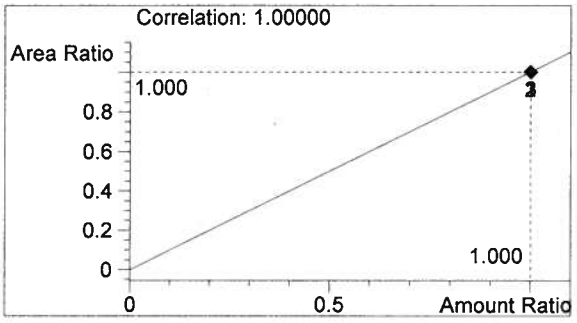


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1268	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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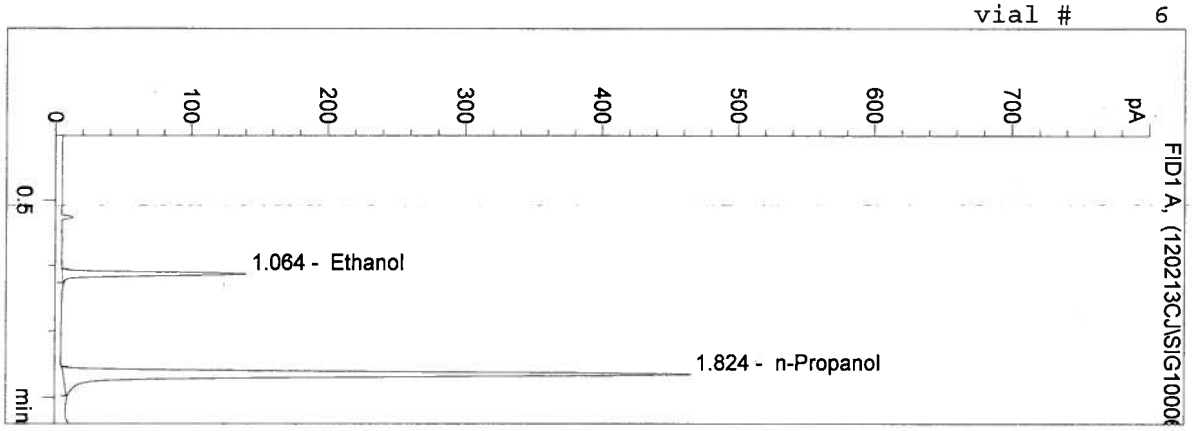
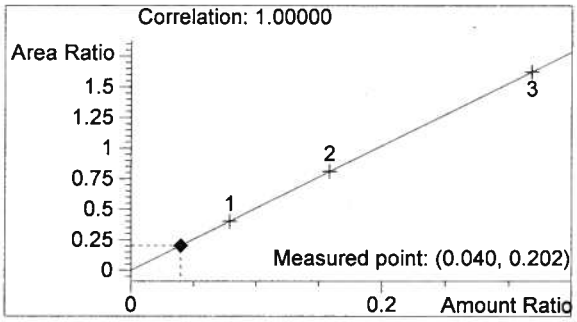
Instrument 3
DB-ALC2

0.04 CTRL-CJ
Chris Johnston

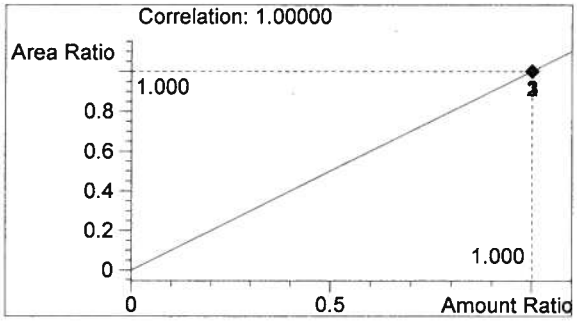
vial # 6



#	Compound	Area	RT
1	Ethanol	258	1.064
2	n-Propanol	1276	1.824
Totals:			



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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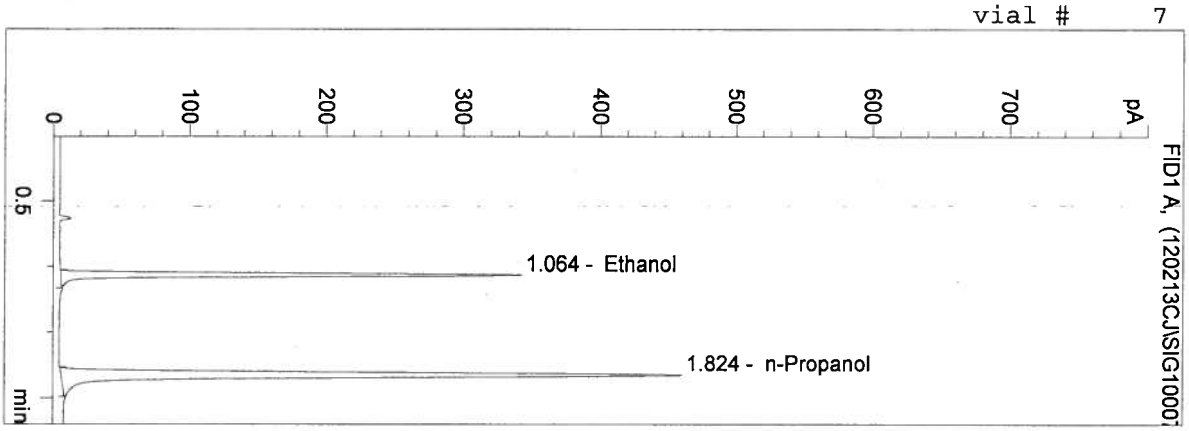
Instrument 3
DB-ALC2

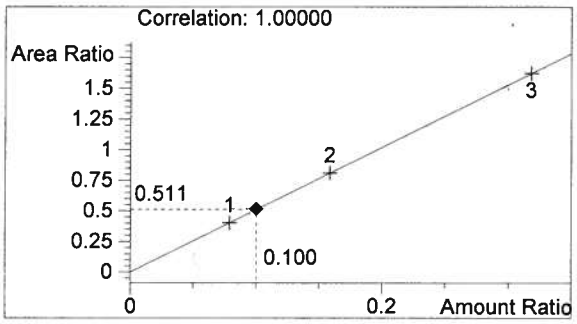
0.10 CTRL-CJ
Chris Johnston

vial # 7

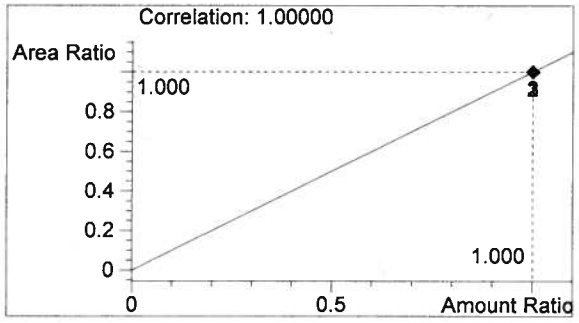


#	Compound	Area	RT
1	Ethanol	644	1.064
2	n-Propanol	1259	1.824

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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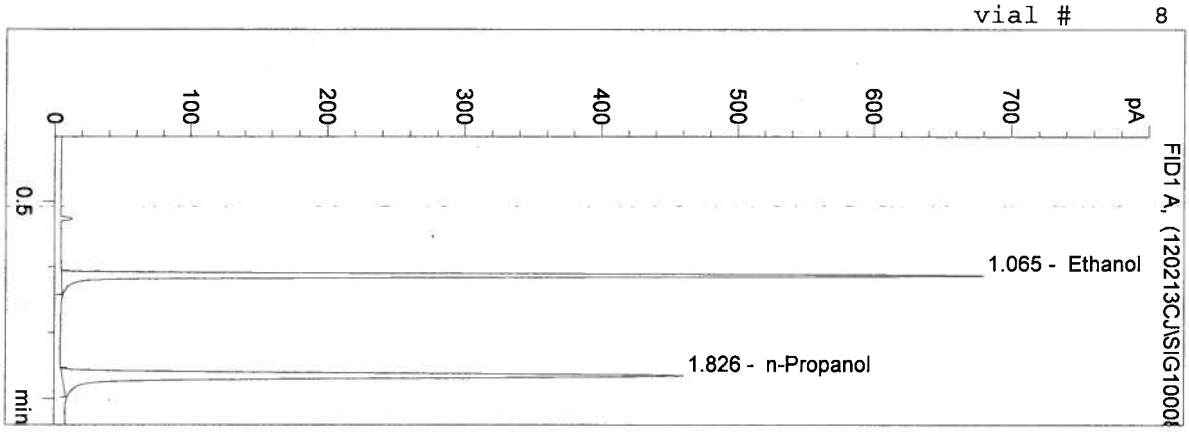
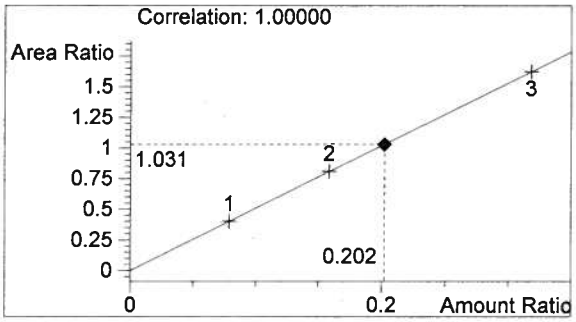
Instrument 3
DB-ALC2

0.20 CTRL-CJ
Chris Johnston

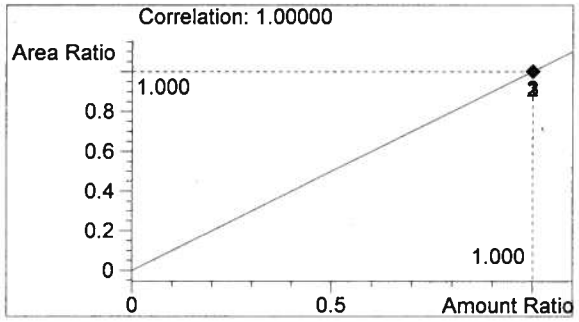
vial # 8



#	Compound	Area	RT
1	Ethanol	1302	1.065
2	n-Propanol	1263	1.826
Totals:			



Ethanol 0.202 g/100ml



n-Propanol 1.000 g/100ml

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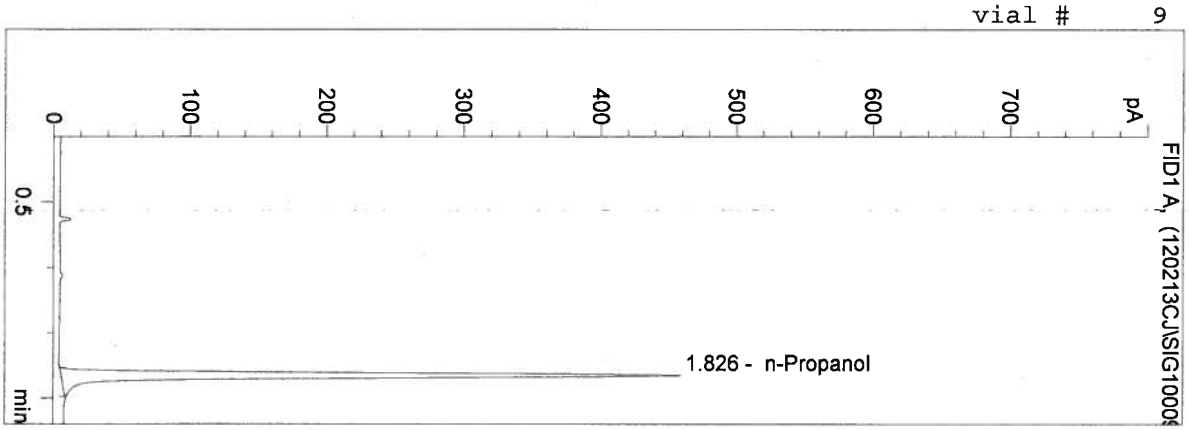
Instrument 3
DB-ALC2

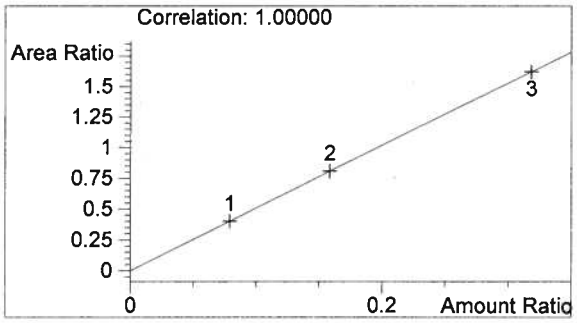
NEG CTRL-CJ
Chris Johnston

vial # 9

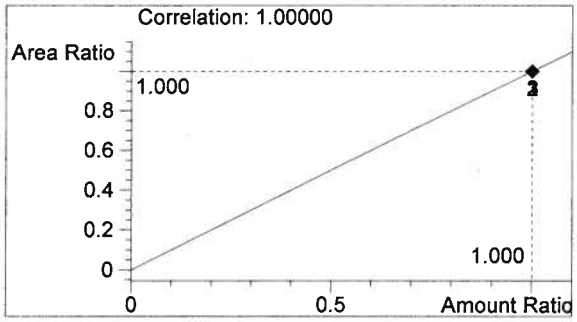


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1263	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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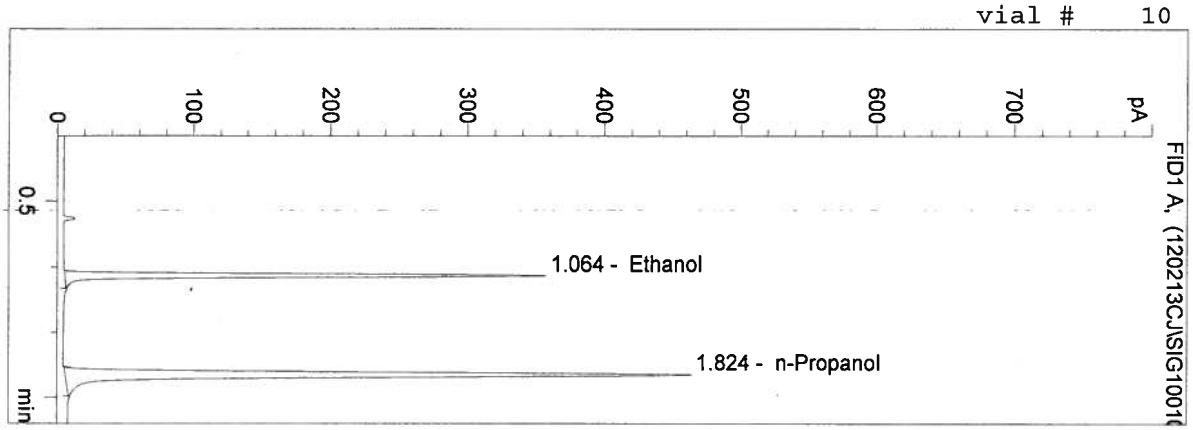
Instrument 3
DB-ALC2

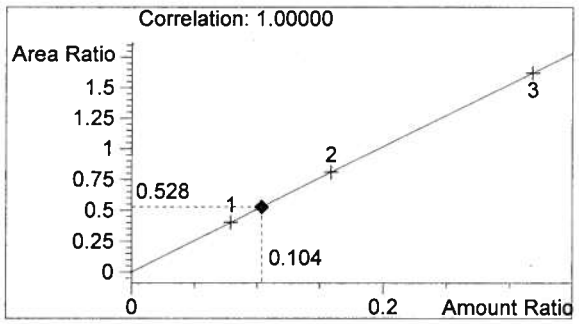
ESS 12012 #1
Chris Johnston

vial # 10

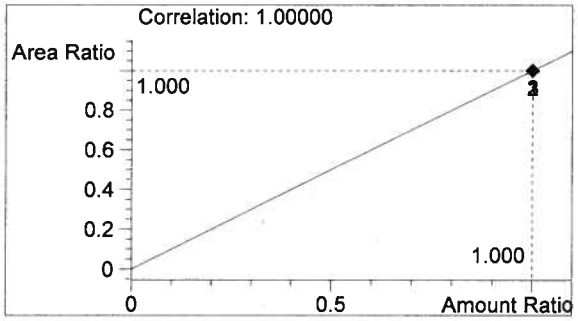


#	Compound	Area	RT
1	Ethanol	670	1.064
2	n-Propanol	1269	1.824

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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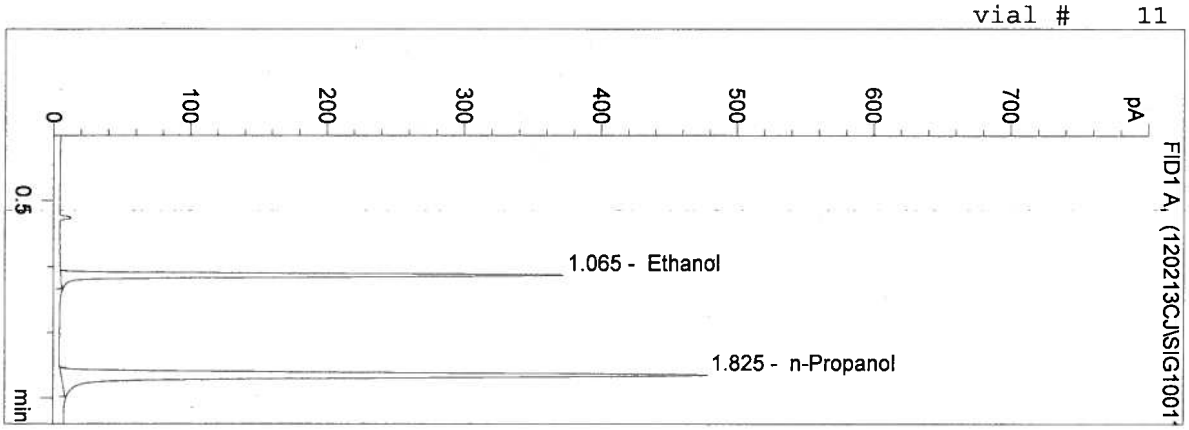
Instrument 3
DB-ALC2

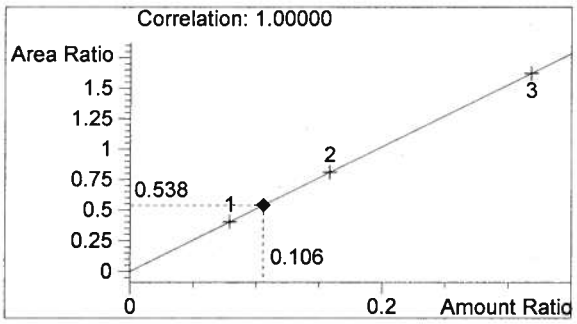
ESS 12012 #2
Chris Johnston

vial # 11

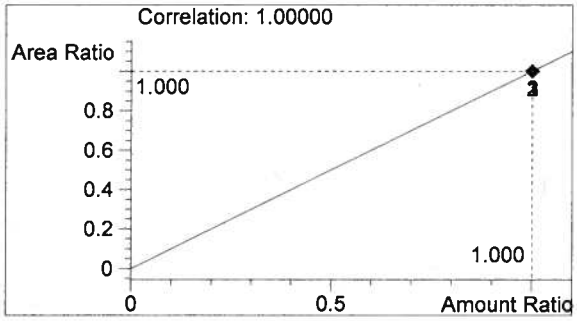


#	Compound	Area	RT
1	Ethanol	707	1.065
2	n-Propanol	1314	1.825

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

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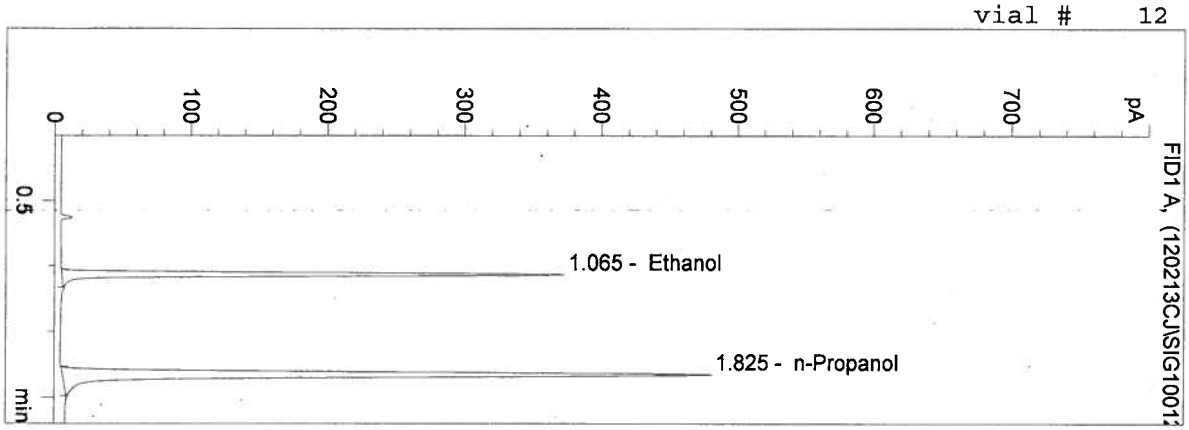
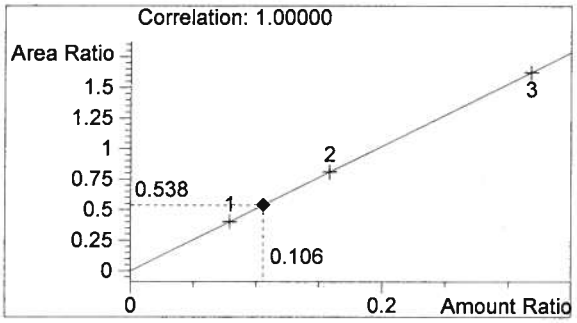
Instrument 3
DB-ALC2

ESS 12012 #3
Chris Johnston

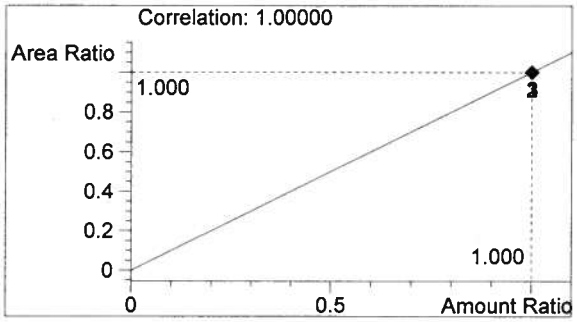
vial # 12



#	Compound	Area	RT
1	Ethanol	711	1.065
2	n-Propanol	1321	1.825
Totals:			



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

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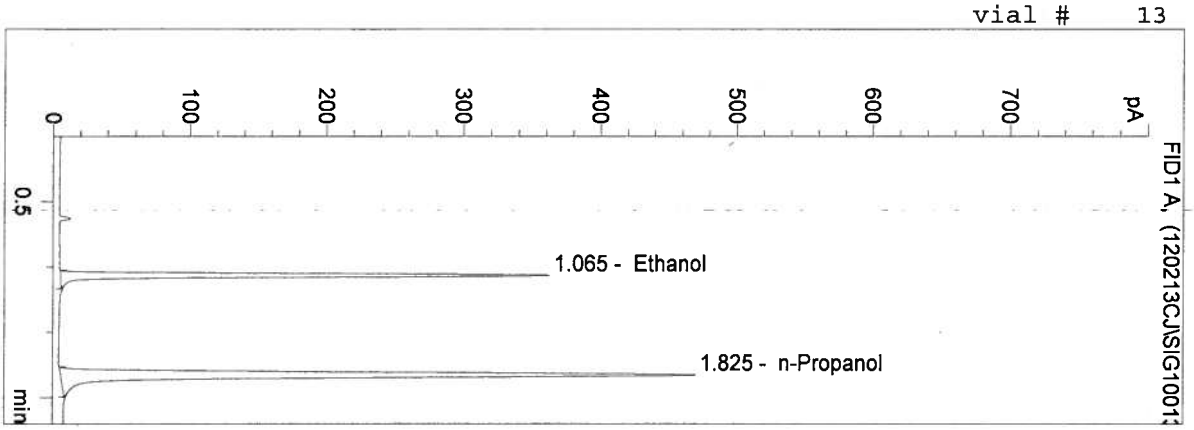
Instrument 3
DB-ALC2

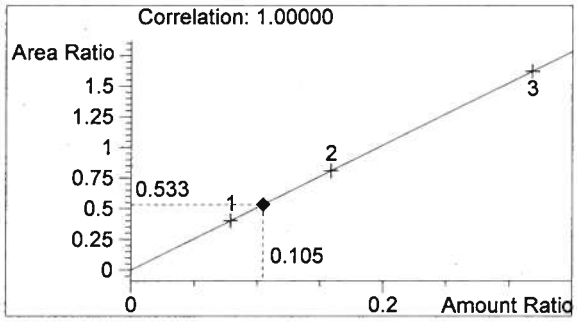
ESS 12012 #4
Chris Johnston

vial # 13

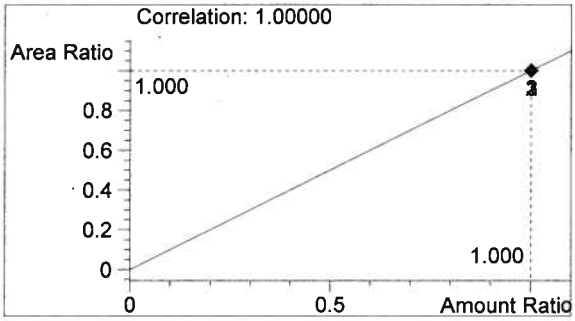


#	Compound	Area	RT
1	Ethanol	689	1.065
2	n-Propanol	1292	1.825

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

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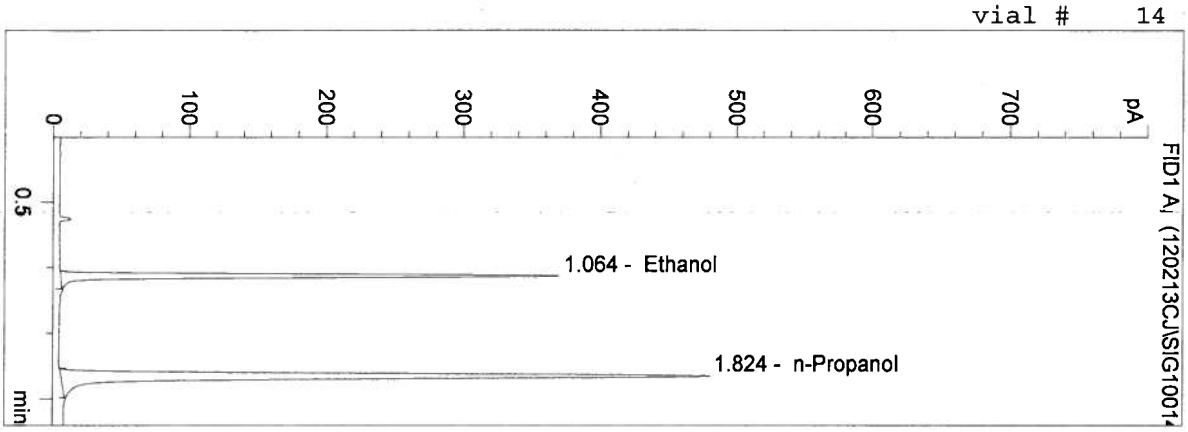
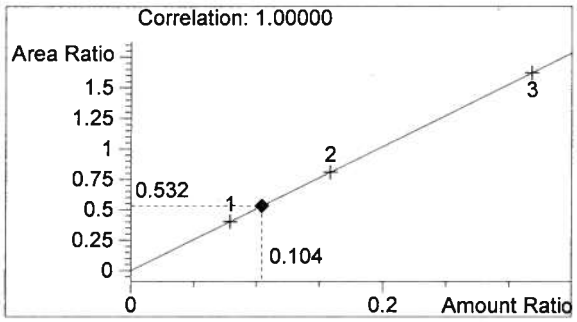
Instrument 3
DB-ALC2

ESS 12012 #5
Chris Johnston

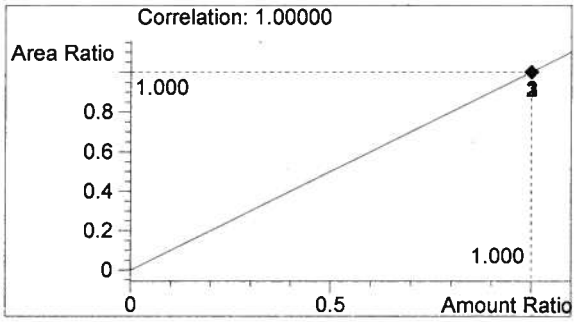
vial # 14



#	Compound	Area	RT
1	Ethanol	703	1.064
2	n-Propanol	1320	1.824
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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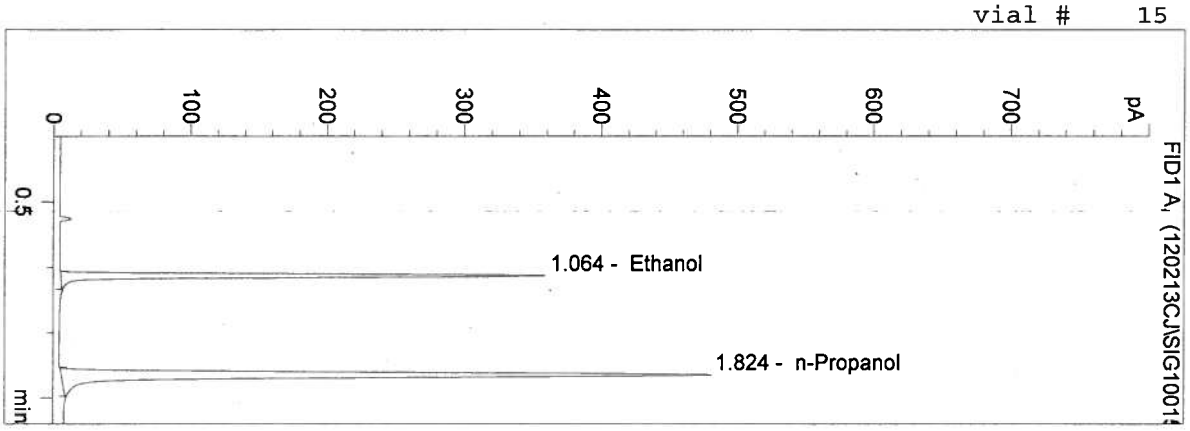
Instrument 3
DB-ALC2

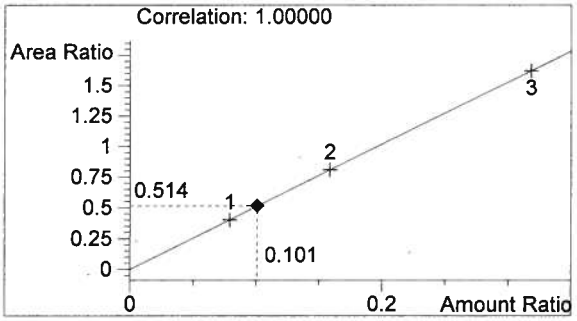
0.10 CTRL-CJ
Chris Johnston

vial # 15

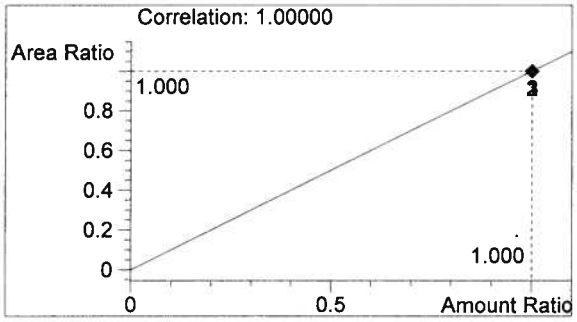


#	Compound	Area	RT
1	Ethanol	677	1.064
2	n-Propanol	1316	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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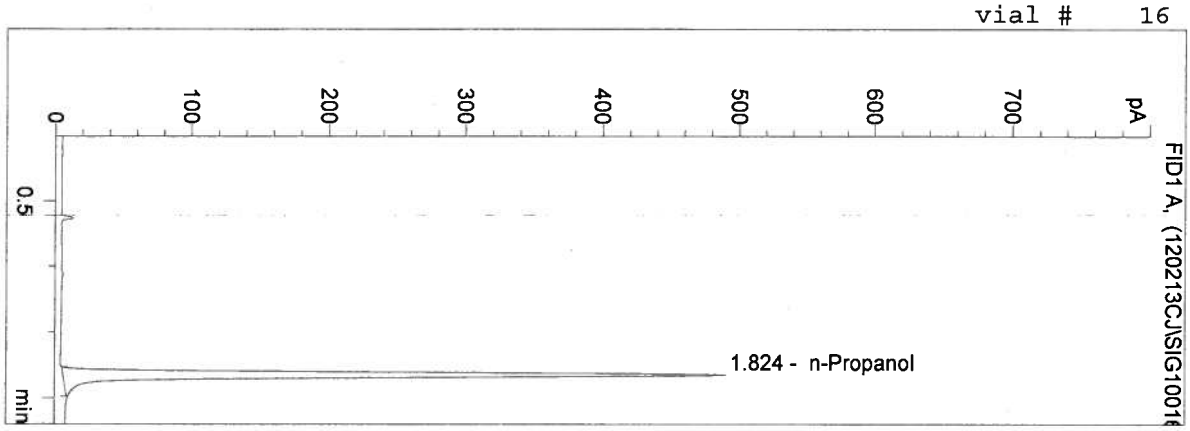
Instrument 3
DB-ALC2

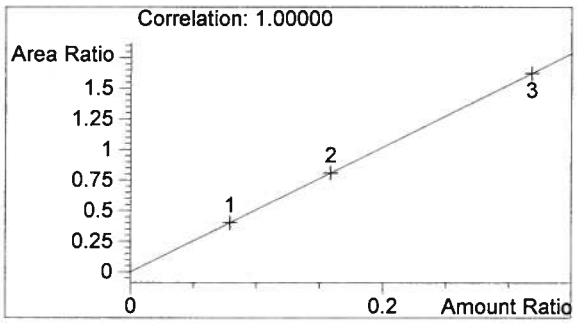
NEG CTRL-CJ
Chris Johnston

vial # 16

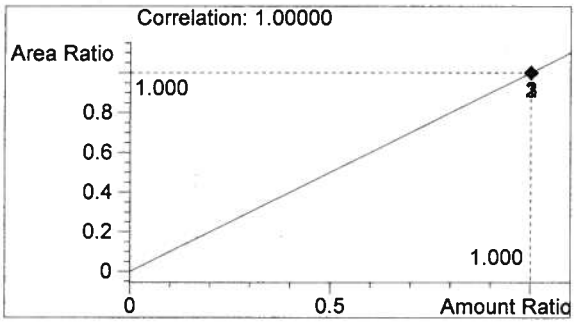


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1341	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120215JL
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0112-01 - Exp. 04/29/2012
Ethanol Calibrator 2, E0112-02 - Exp. 04/29/2012
Ethanol Calibrator 3, E0112-03 - Exp. 04/29/2012

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0112-01 - Exp 04/29/2012
3	Vial 3	E0112-02 - Exp 04/29/2012
4	Vial 4	E0112-03 - Exp 04/29/2012
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12012

Sequence: C:\HPCHEM\2\SEQUENCE\JKEXSTD3.S

Line	Location	Sample Information
15	Vial 15	
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC3	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC3	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL JK	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL JK	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL JK	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL JK	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	SIMALC3	1	Ctrl Samp		
10	Vial 10	12012-1	SIMALC3	1	Sample		
11	Vial 11	12012-2	SIMALC3	1	Sample		
12	Vial 12	12012-3	SIMALC3	1	Sample		
13	Vial 13	12012-4	SIMALC3	1	Sample		
14	Vial 14	12012-5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL1 0.079	SIMALC3	1	Replace	Replace	
3	Vial 3	CAL2 0.158	SIMALC3	2	Replace	Replace	
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12012

Calibration Table

Calib. Data Modified : Wednesday, February 15, 2012 2:51:25 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.065	1	1	7.90200e-2	511.65802	1.54439e-4	1		Ethanol
		2	1.58720e-1	1029.54431	1.54165e-4			
		3	3.17800e-1	2059.46167	1.54312e-4			
1.825	1	1	1.00000	1263.71838	7.91316e-4	I1		n-Propanol
		2	1.00000	1268.01404	7.88635e-4			
		3	1.00000	1270.09424	7.87343e-4			

Peak Sum Table

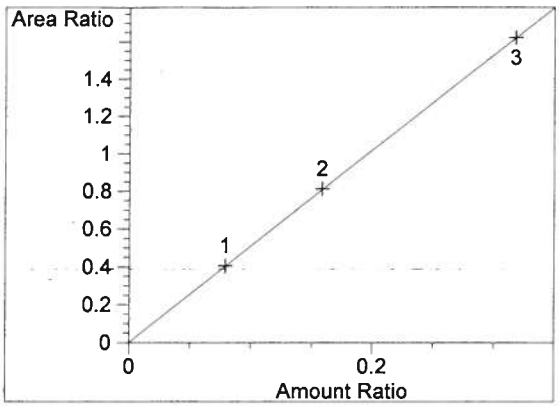
No Entries in table

12012

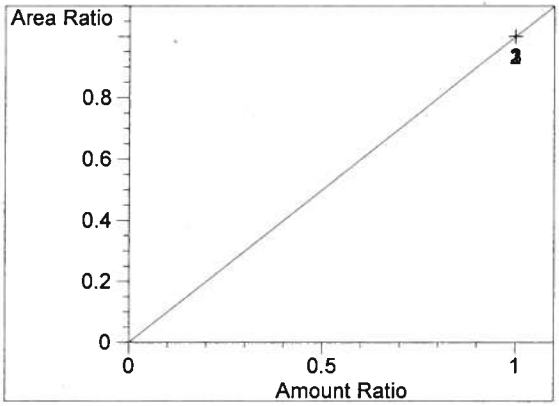
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00135
Formula: y = mx + b
m: 5.10119
b: 1.10178e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.825
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

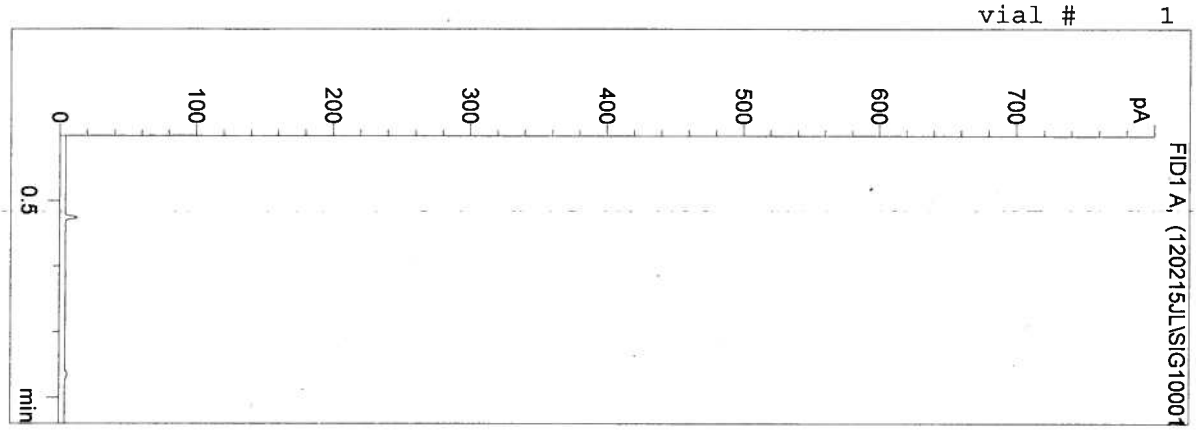
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 2:39:51 PM
Instrument 3
DB-ALC2

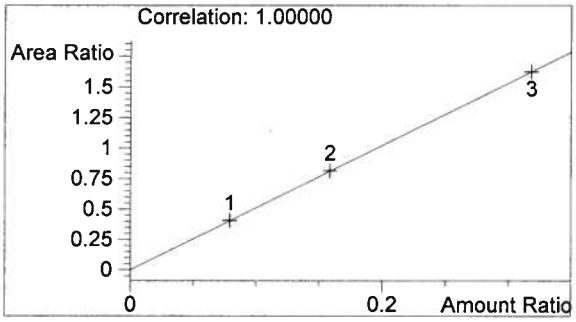
BLANK
Justin Knoy

vial # 1

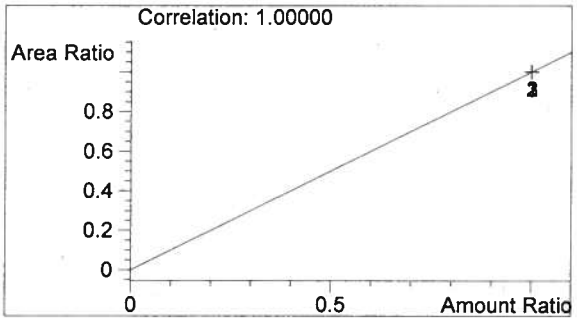


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12012

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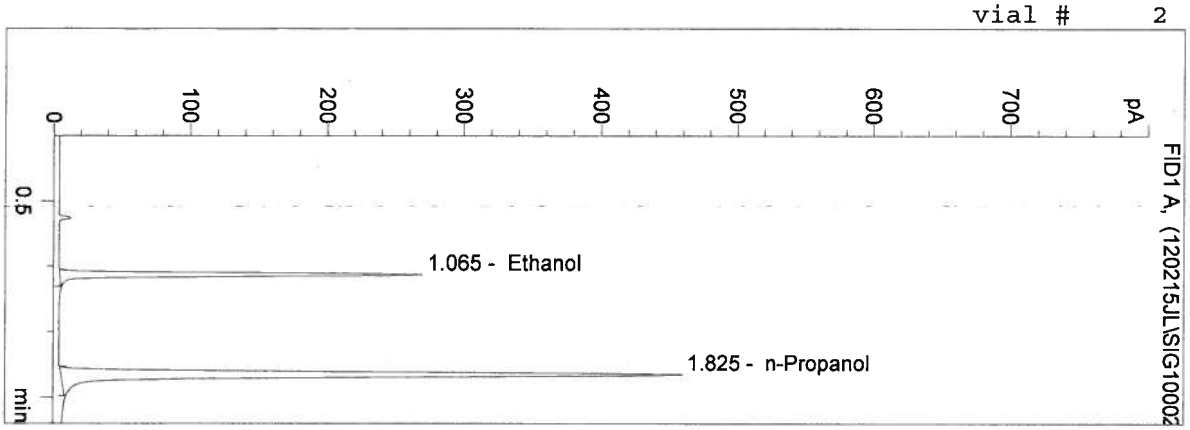
Instrument 3
DB-ALC2

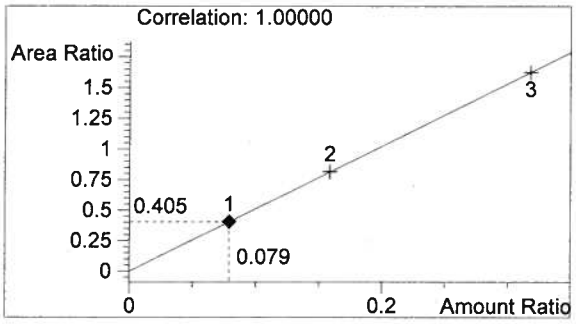
CAL1 0.079
Justin Knoy

vial # 2

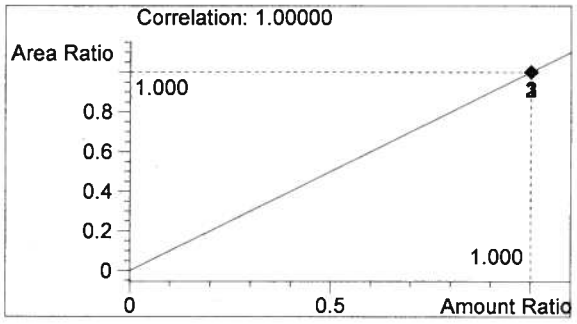


#	Compound	Area	RT
1	Ethanol	512	1.065
2	n-Propanol	1264	1.825

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

12012

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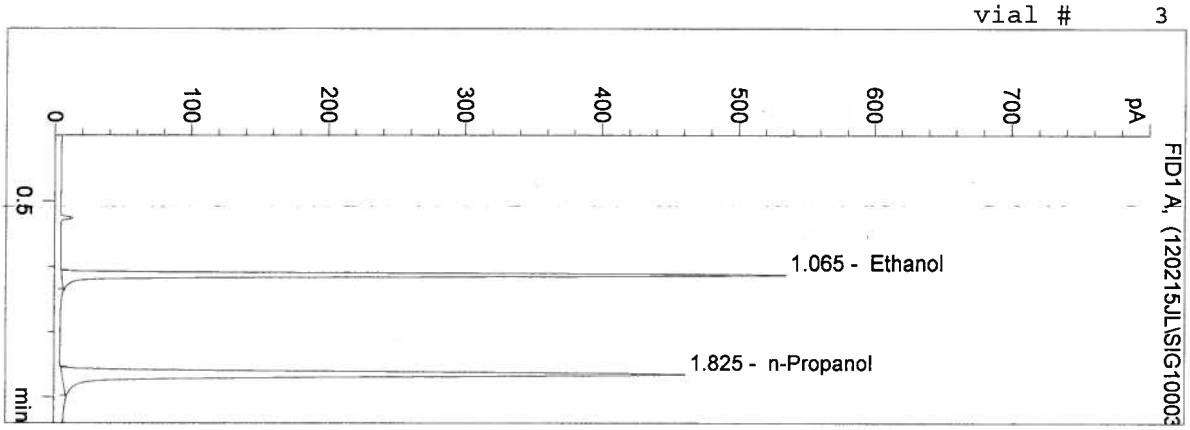
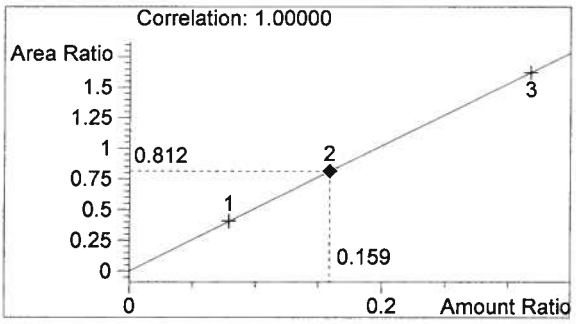
2/15/2012 2:46:06 PM
Instrument 3
DB-ALC2

CAL2 0.158
Justin Knoy

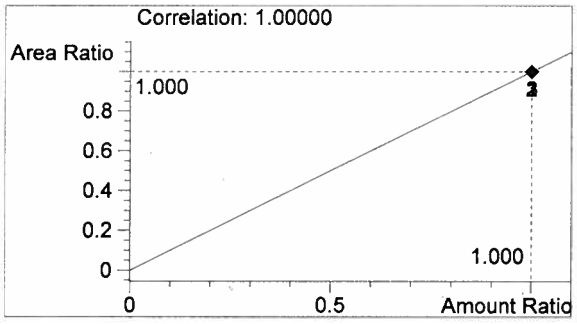
vial # 3



#	Compound	Area	RT
1	Ethanol	1030	1.065
2	n-Propanol	1268	1.825
Totals:			



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

12012

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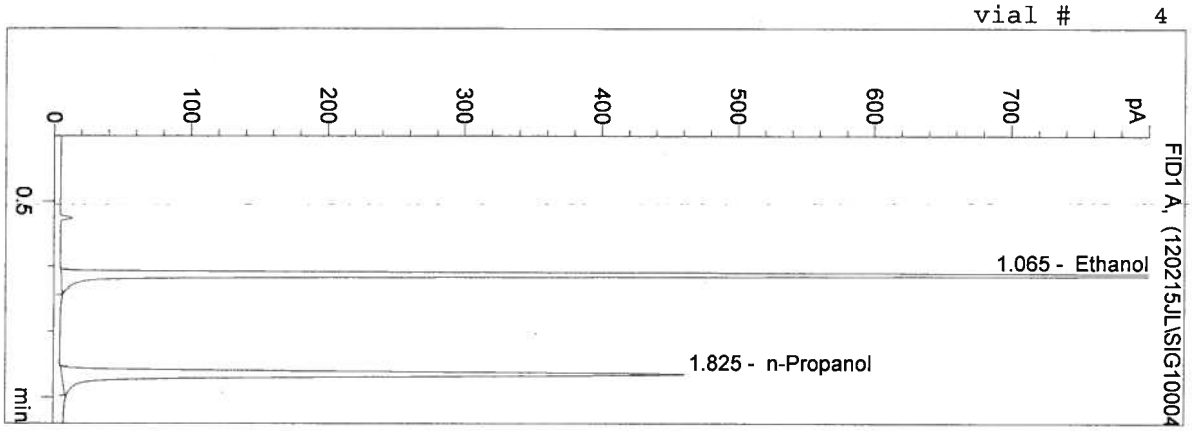
2/15/2012 2:49:13 PM
Instrument 3
DB-ALC2

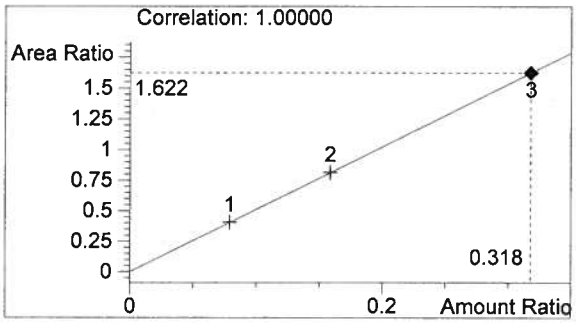
CAL3 0.316
Justin Knoy

vial # 4

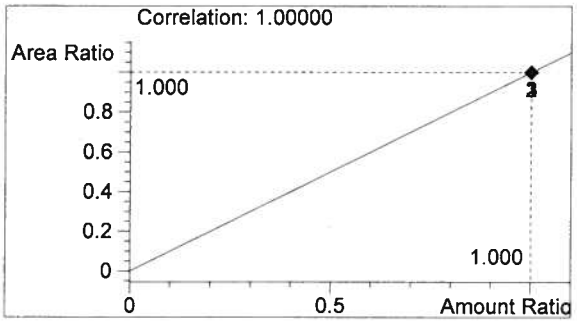


#	Compound	Area	RT
1	Ethanol	2059	1.065
2	n-Propanol	1270	1.825

Totals:



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

1 2 0 1 2

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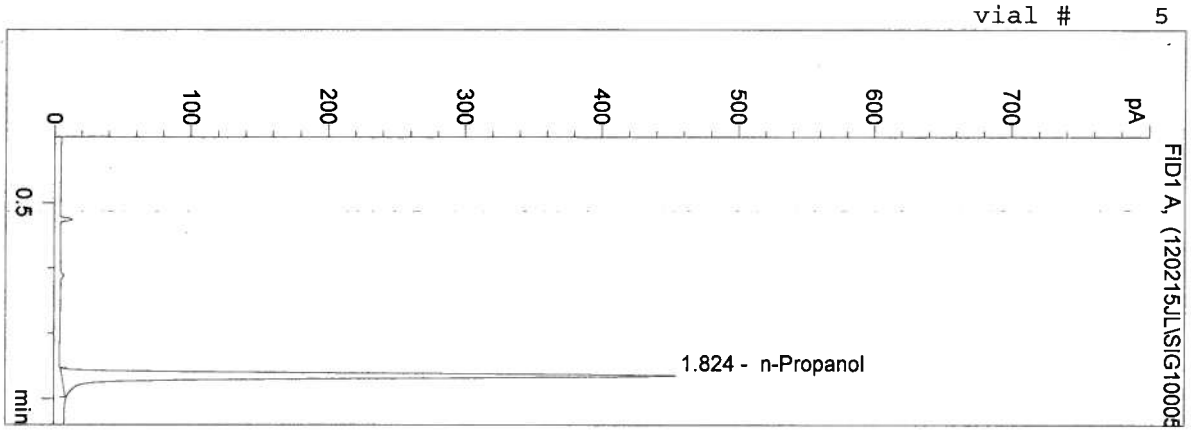
2/15/2012 2:52:20 PM
Instrument 3
DB-ALC2

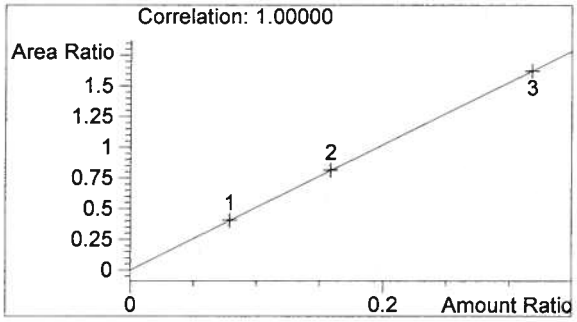
NEG CTRL JK
Justin Knoy

vial # 5

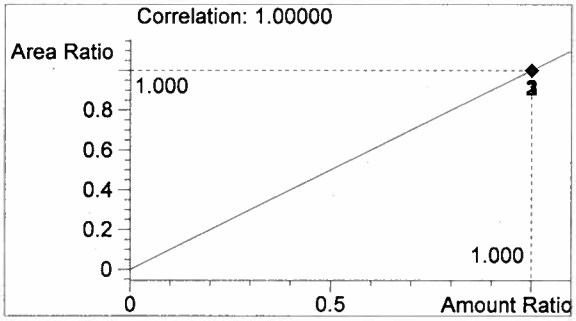


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1249	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

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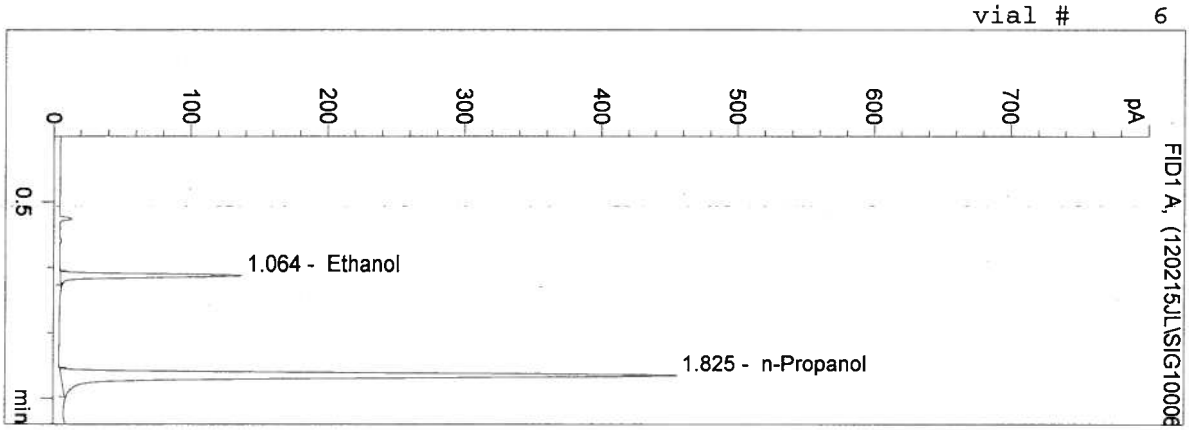
2/15/2012 2:55:28 PM
Instrument 3
DB-ALC2

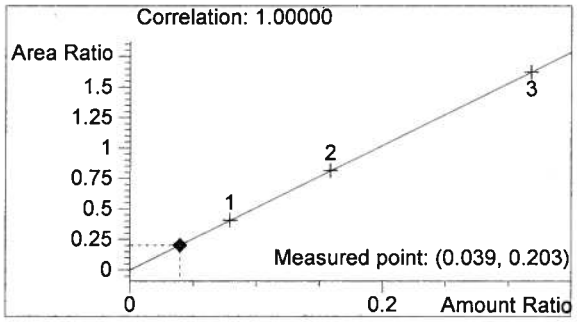
0.04 CTRL JK
Justin Knoy

vial # 6

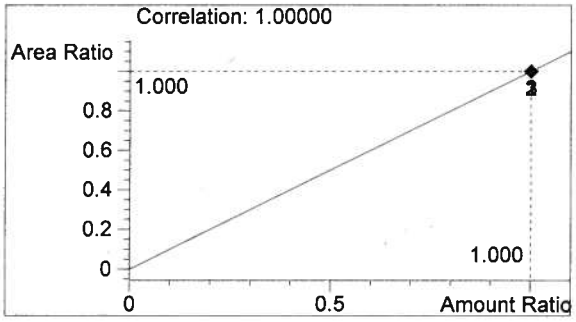


#	Compound	Area	RT
1	Ethanol	254	1.064
2	n-Propanol	1256	1.825

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

12012

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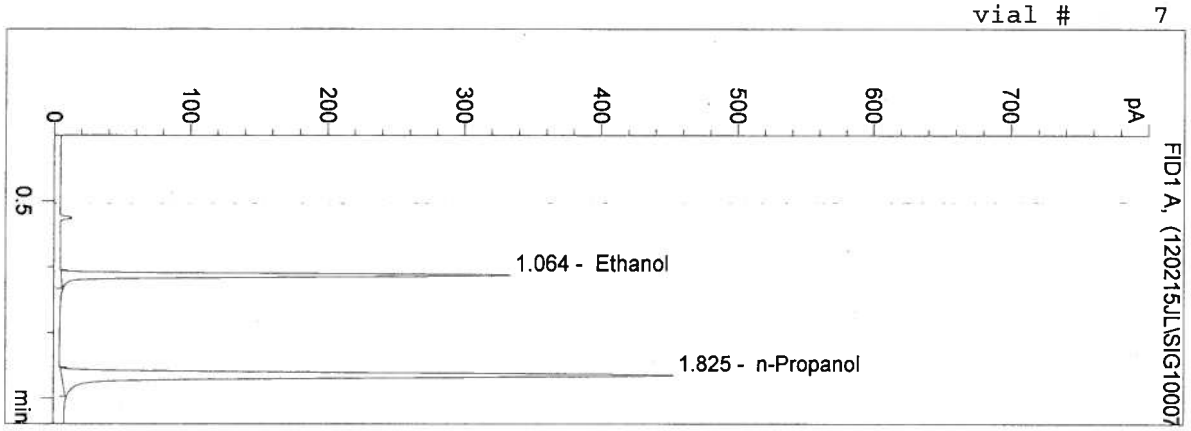
2/15/2012 2:58:35 PM
Instrument 3
DB-ALC2

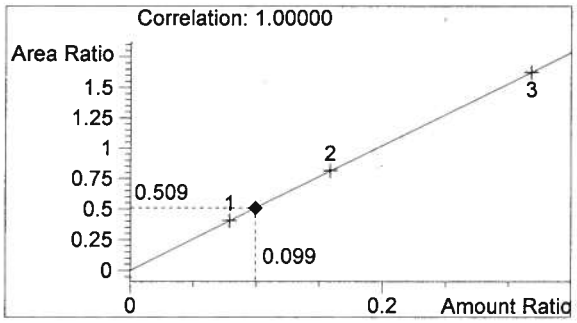
0.10 CTRL JK
Justin Knoy

vial # 7

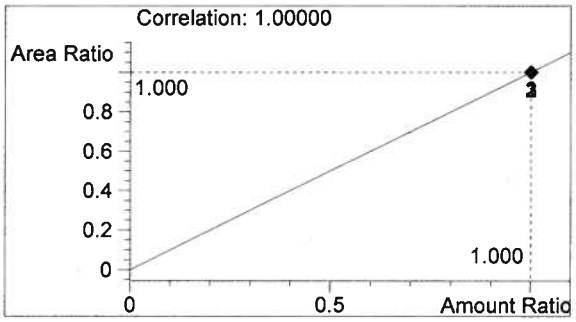


#	Compound	Area	RT
1	Ethanol	631	1.064
2	n-Propanol	1241	1.825

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

12012

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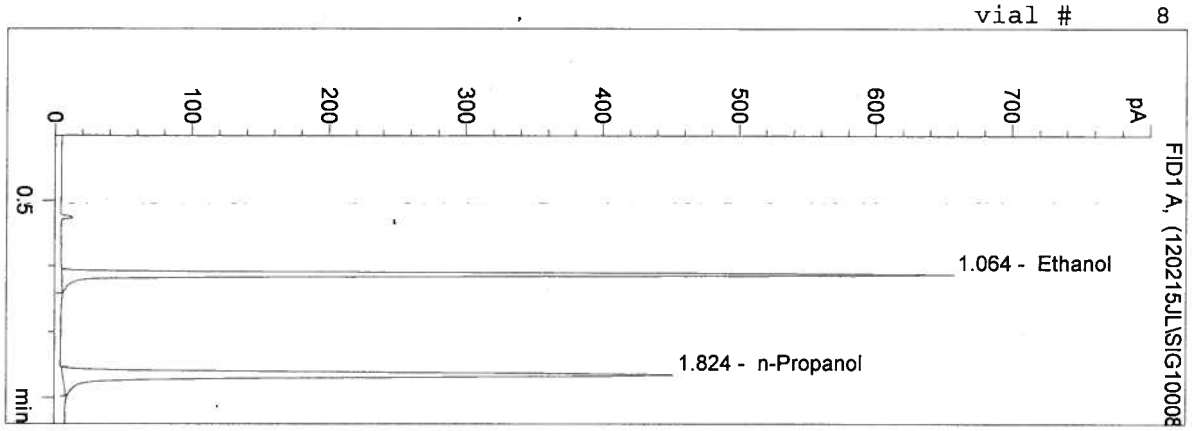
2/15/2012 3:01:42 PM
Instrument 3
DB-ALC2

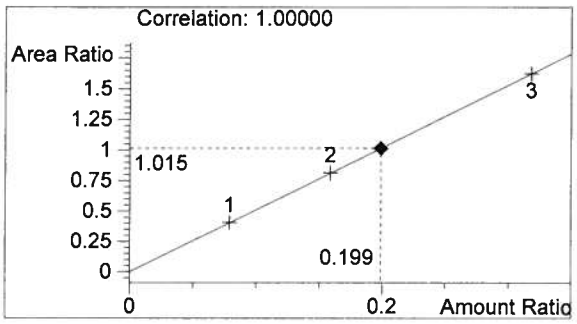
0.20 CTRL JK
Justin Knoy

vial # 8

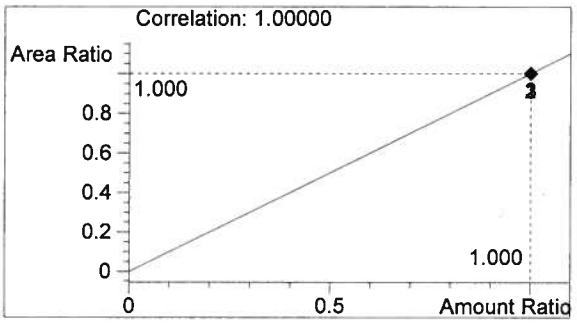


#	Compound	Area	RT
1	Ethanol	1254	1.064
2	n-Propanol	1235	1.824

Totals:



Ethanol 0.199 g/100ml



n-Propanol 1.000 g/100ml

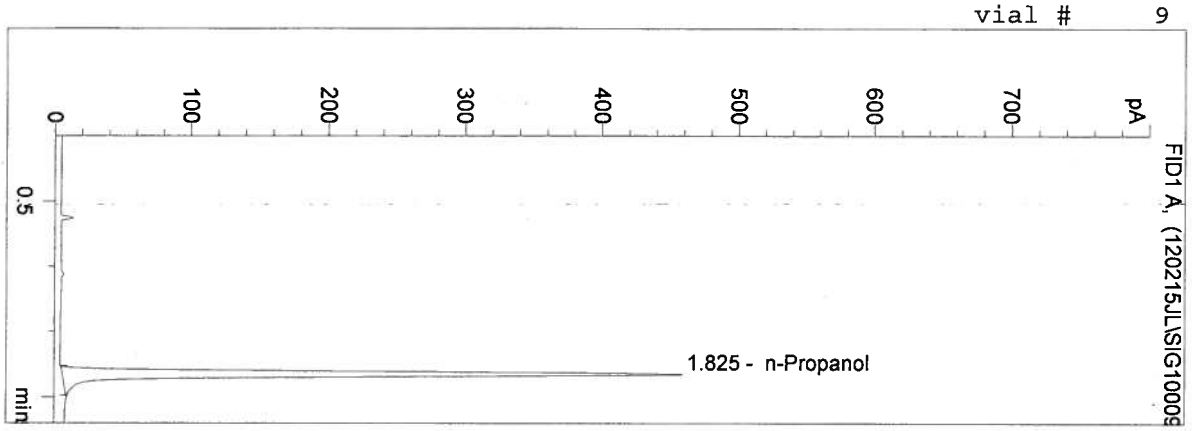
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

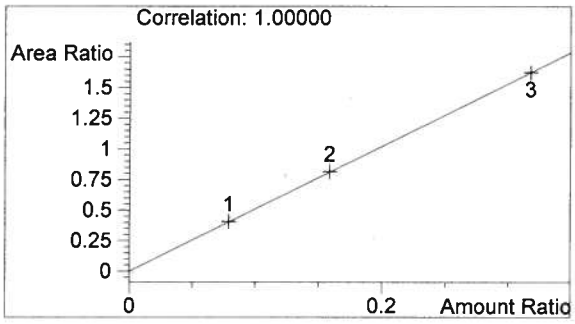
C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 3:04:49 PM
Instrument 3
DB-ALC2

NEG CTRL JK
Justin Knoy

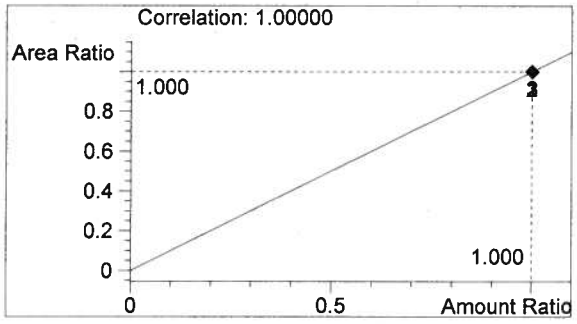
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1264	1.825
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

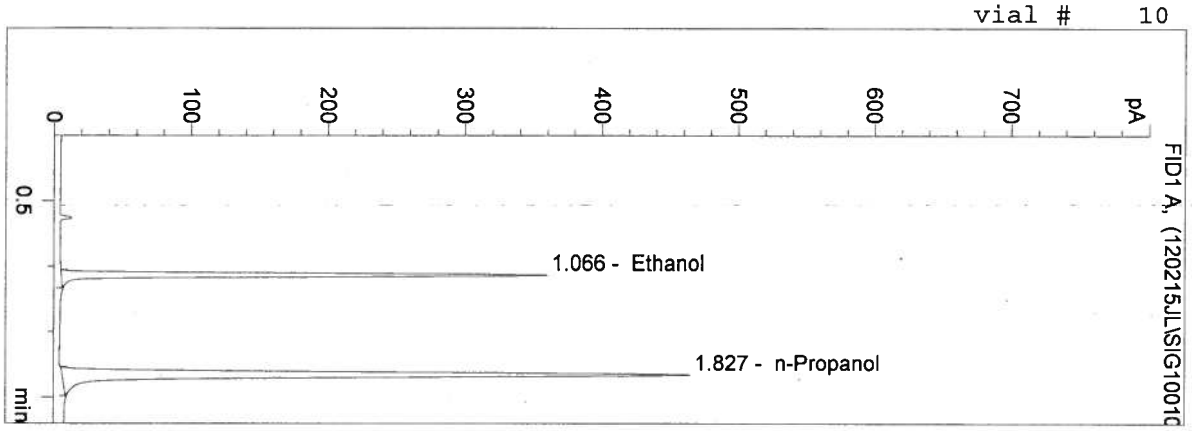
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 3:07:57 PM
Instrument 3
DB-ALC2

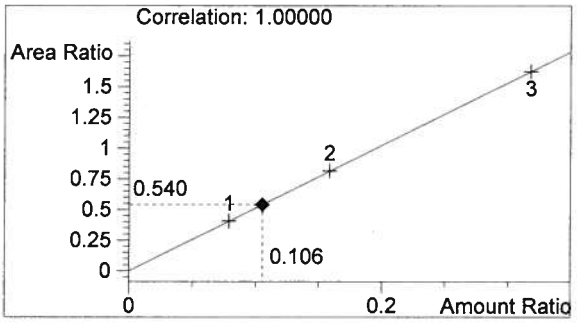
12012-1
Justin Knoy

vial # 10

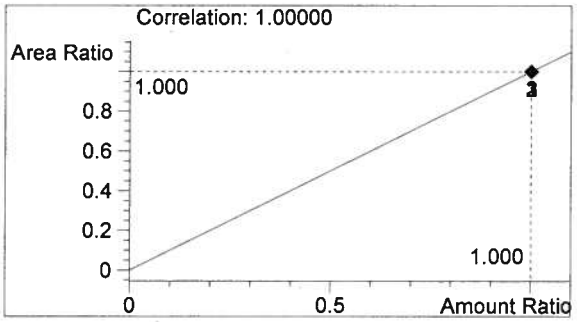


#	Compound	Area	RT
1	Ethanol	688	1.066
2	n-Propanol	1276	1.827

Totals:



Ethanol 0.106 g/100ml



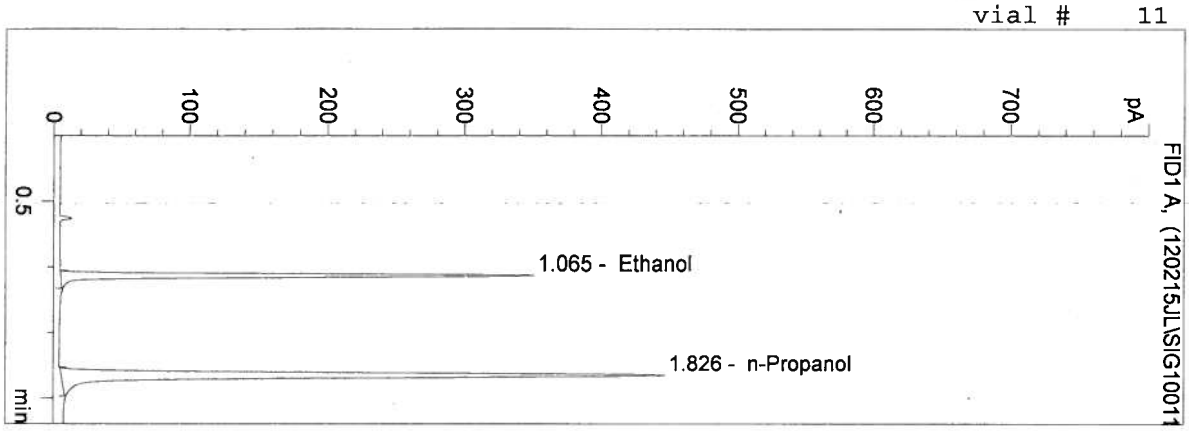
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 3:11:04 PM
Instrument 3
DB-ALC2

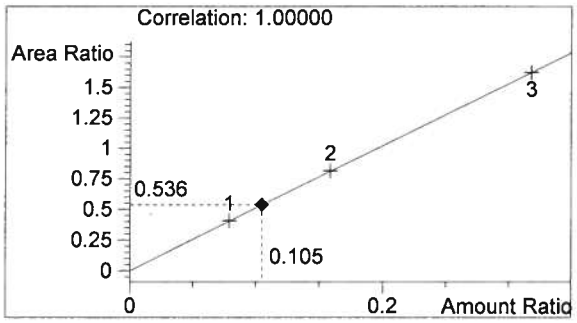
12012-2
Justin Knoy

vial # 11

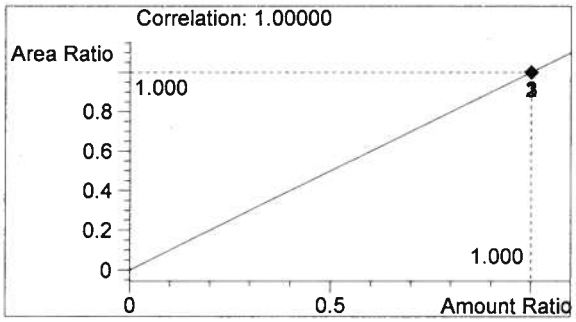


#	Compound	Area	RT
1	Ethanol	654	1.065
2	n-Propanol	1220	1.826

Totals:



Ethanol 0.105 g/100ml



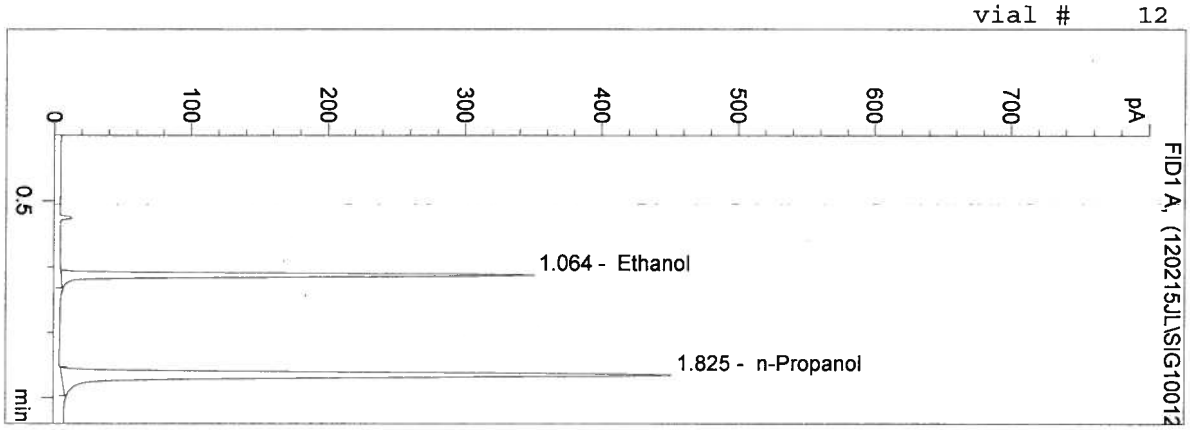
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 3:14:11 PM
Instrument 3
DB-ALC2

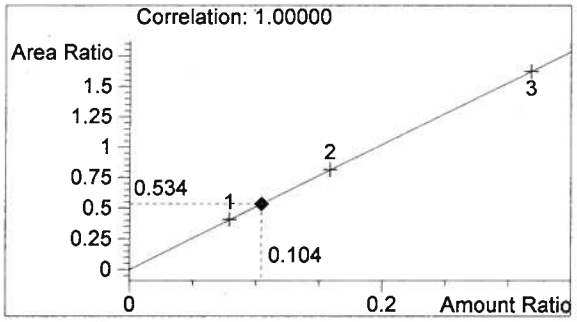
12012-3
Justin Knoy

vial # 12

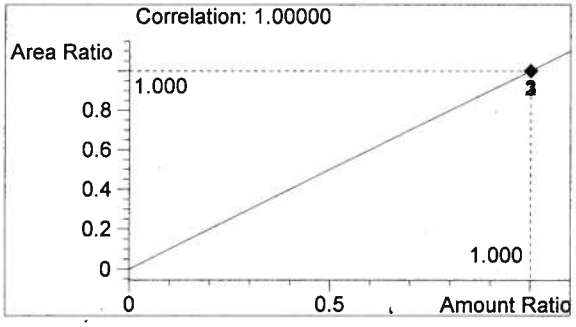


#	Compound	Area	RT
1	Ethanol	658	1.064
2	n-Propanol	1234	1.825

Totals:



Ethanol 0.104 g/100ml



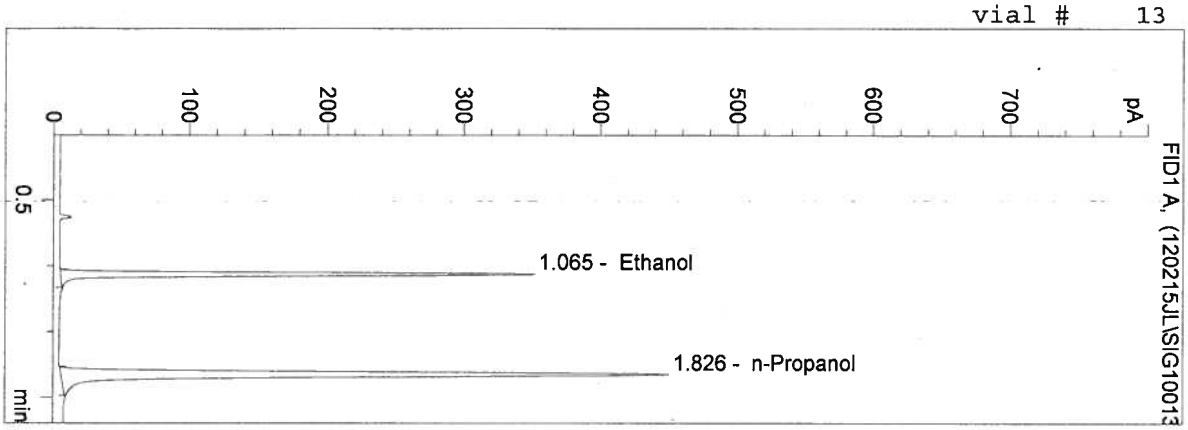
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 3:17:18 PM
Instrument 3
DB-ALC2

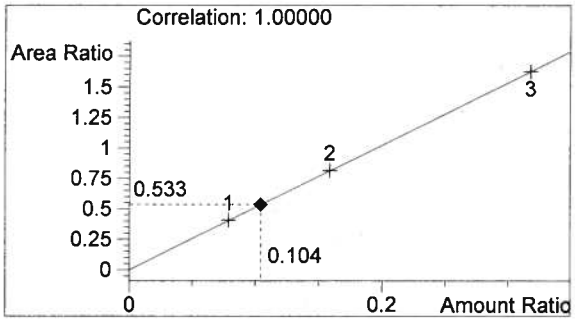
12012-4
Justin Knoy

vial # 13

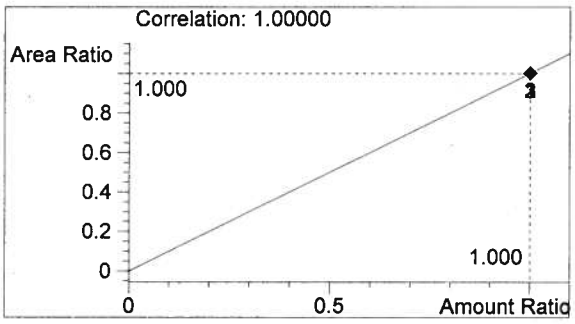


#	Compound	Area	RT
1	Ethanol	657	1.065
2	n-Propanol	1231	1.826

Totals:



Ethanol 0.104 g/100ml



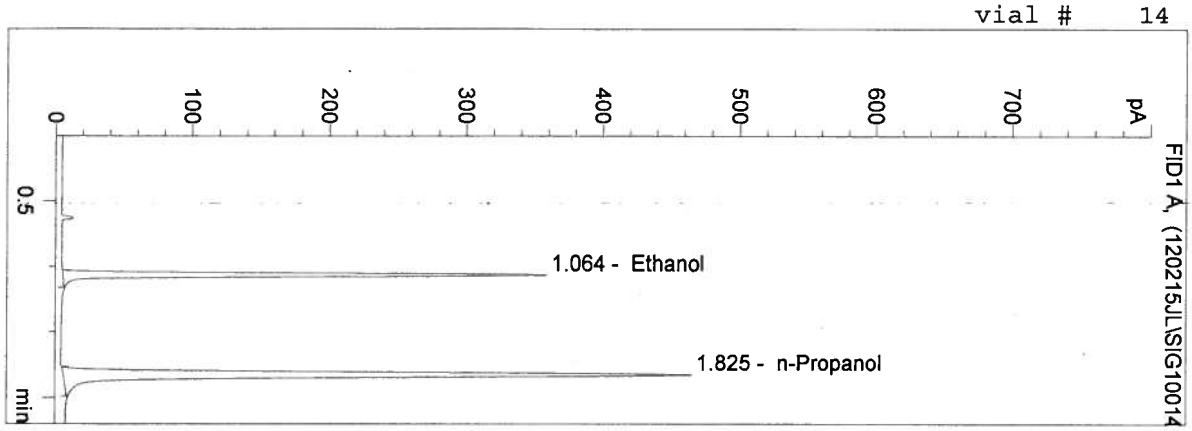
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 3:20:25 PM
Instrument 3
DB-ALC2

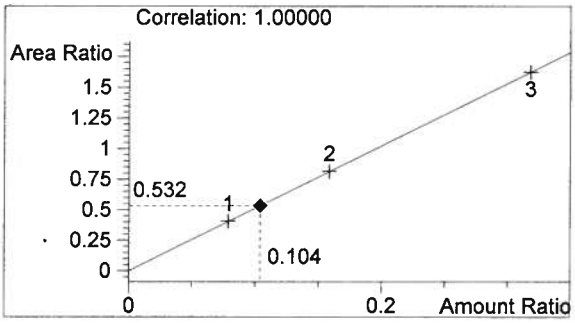
12012-5
Justin Knoy

vial # 14

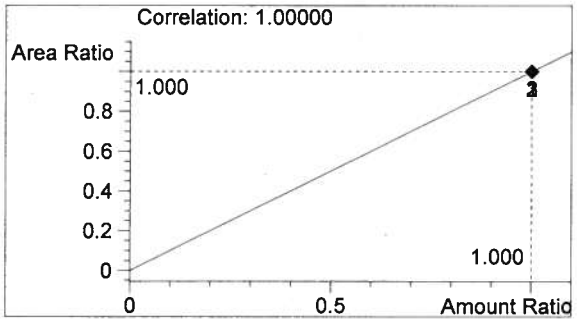


#	Compound	Area	RT
1	Ethanol	680	1.064
2	n-Propanol	1278	1.825

Totals:



Ethanol 0.104 g/100ml



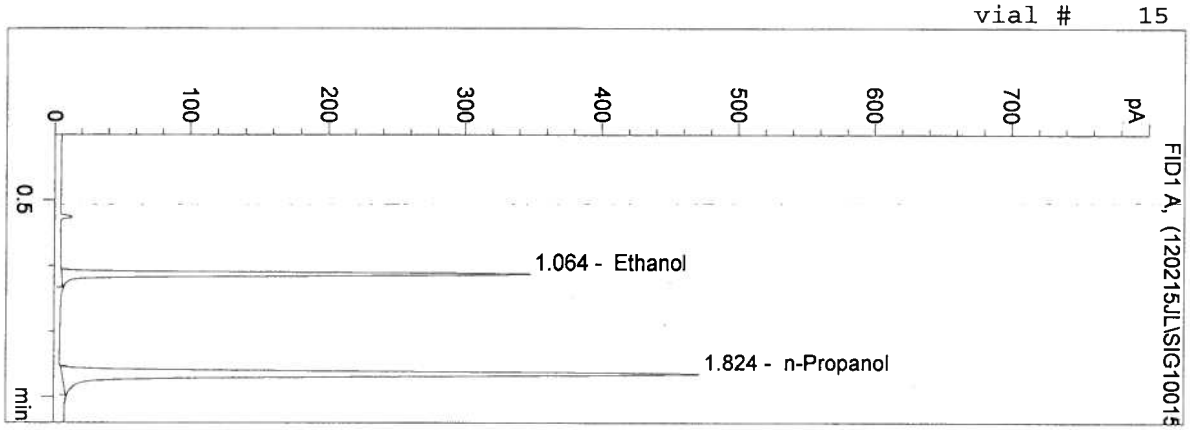
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 3:23:33 PM
Instrument 3
DB-ALC2

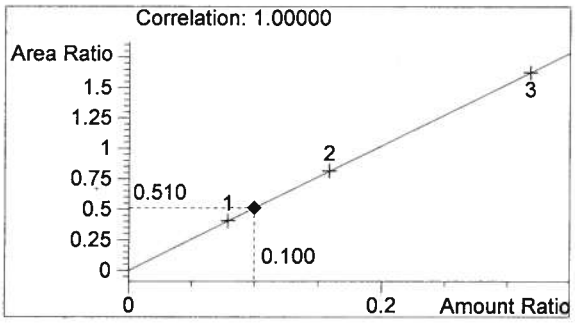
0.10 CTRL JK
Justin Knoy

vial # 15

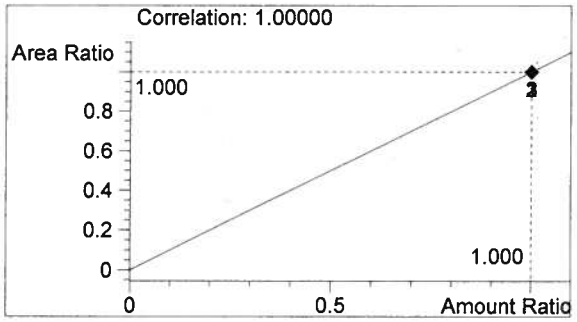


#	Compound	Area	RT
1	Ethanol	661	1.064
2	n-Propanol	1296	1.824

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

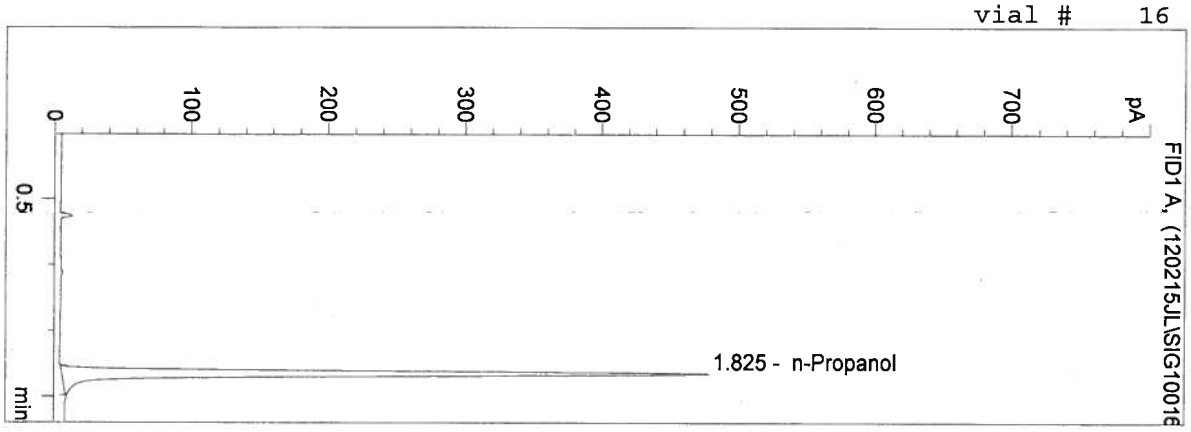
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 3:26:40 PM
Instrument 3
DB-ALC2

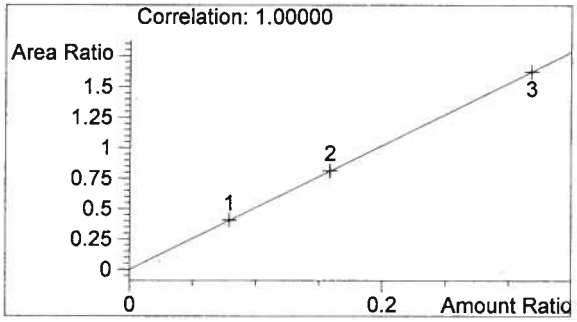
NEG CTRL JK
Justin Knoy

vial # 16

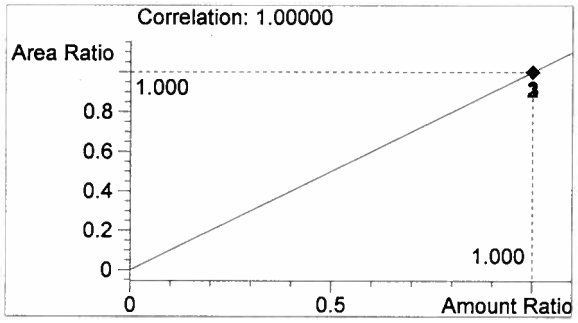


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1317	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

Sequence: C:\HPCHEM\2\SEQUENCE\AL-ESS3.S

Sequence Parameters:

Operator:	asa louis
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120216A1
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
cal 1 e0112-01 exp 04/29/2012
cal 2 e0112-02 exp 04/29/2012
cal 3 e0112-03 exp 04/29/2012
0.04 control lot# a077459 exp 02/2015
0.10 control lot# a075806 exp 11/2014
0.20 control lot# a076521 exp 12/2014

AL 2012 FEB 16

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC3	1	Sample		
2	Vial 2	0.079 cal 1	SIMALC3	1	Calib		
3	Vial 3	0.158 cal 2	SIMALC3	1	Calib		
4	Vial 4	0.316 cal 3	SIMALC3	1	Calib		
5	Vial 5	neg control - al	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 ctrl al	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 ctrl al	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 ctrl al	SIMALC3	1	Ctrl Samp		
9	Vial 9	neg control - al	SIMALC3	1	Ctrl Samp		
10	Vial 10	12012 #1	SIMALC3	1	Sample		
11	Vial 11	12012 #2	SIMALC3	1	Sample		
12	Vial 12	12012 #3	SIMALC3	1	Sample		
13	Vial 13	12012 #4	SIMALC3	1	Sample		
14	Vial 14	12012 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 ctrl al	SIMALC3	1	Ctrl Samp		
16	Vial 16	neg control - al	SIMALC3	1	Ctrl Samp		

AL 2012 FEB 16

AL 2012 MAR 02

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 cal 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 cal 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 cal 3	SIMALC3	3	Replace	Replace	

12012

Sequence Table (Back Injector):

Sequence: C:\HPCHEM\2\SEQUENCE\AL-ESS3.S

No entries - empty table!

a
2012 FEB 16

a
2012 MAR 02

12012

Calibration Table

Calib. Data Modified : Thursday, February 16, 2012 8:18:34 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.065	1	1	7.90200e-2	532.49493	1.48396e-4	1		Ethanol
		2	1.58720e-1	1037.00842	1.53056e-4			
		3	3.17800e-1	2025.91138	1.56868e-4			
1.825	1	1	1.00000	1308.60034	7.64175e-4	I1		n-Propanol
		2	1.00000	1276.55896	7.83356e-4			
		3	1.00000	1239.85107	8.06548e-4			

Peak Sum Table

No Entries in table

A
2012FEB16
A 2012 MAR 02

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Calibration Curves

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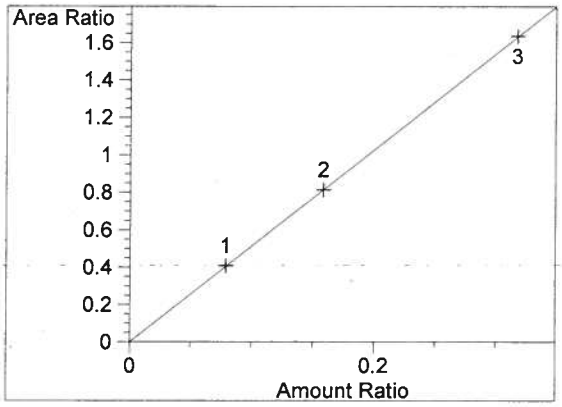
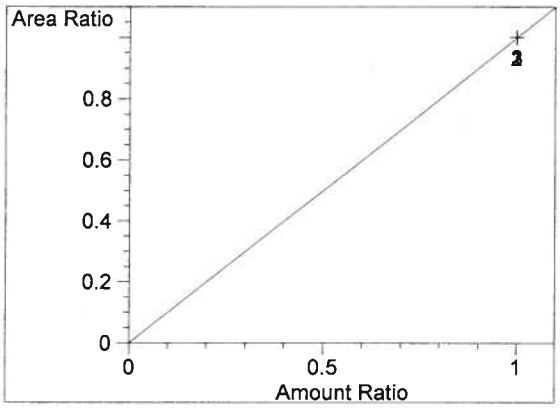


Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00241
Formula: y = mx + b
m: 5.13956
b: -4.92934e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.825
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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a
2012FEB16

a
2012 MAR 01

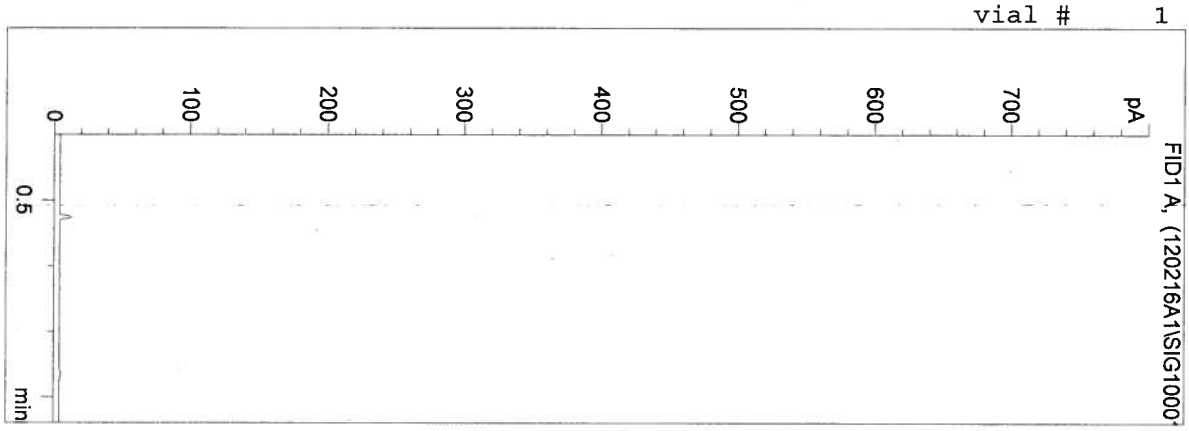
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 8:07:00 AM
Instrument 3
DB-ALC2

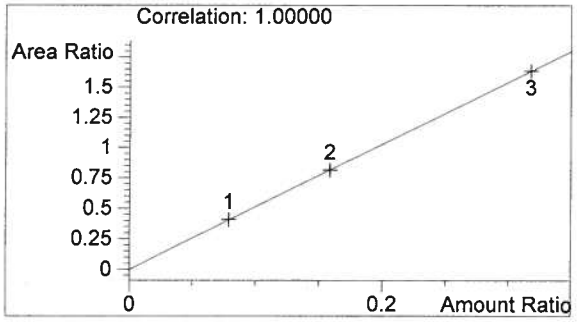
blank
asa louis

vial # 1

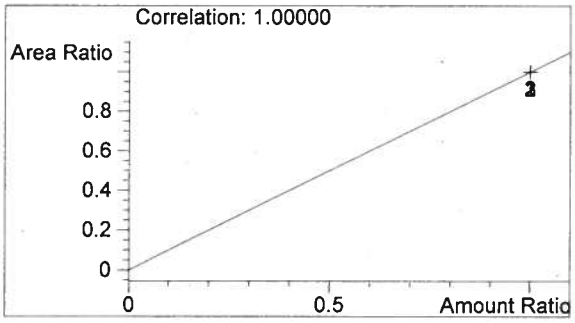


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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2012FEB16

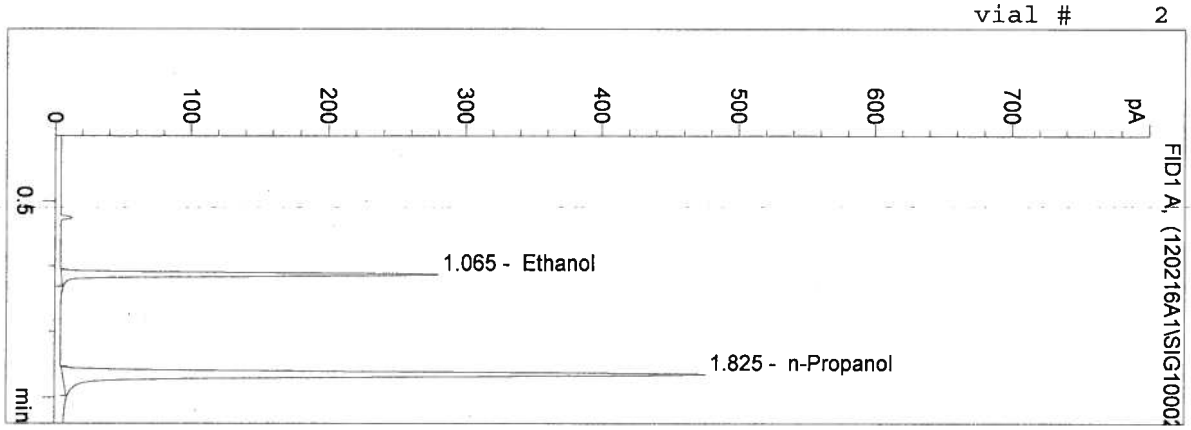
A
2012 MAR 02
1 2 0 1 2

WASHINGTON STATE TOXICOLOGY LABORATORY

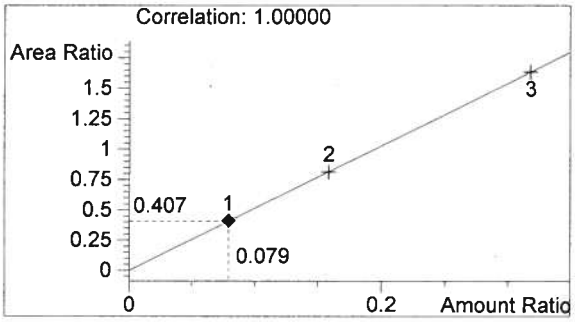
C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 8:10:07 AM
Instrument 3
DB-ALC2

0.079 cal 1
asa louis

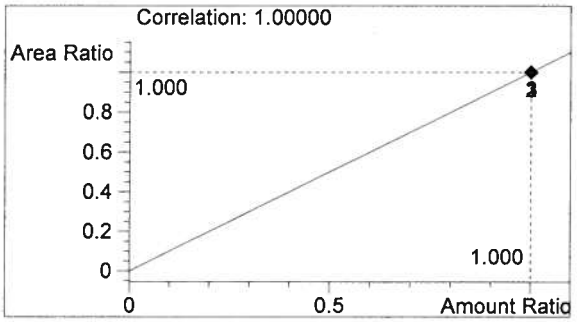
vial # 2



#	Compound	Area	RT
1	Ethanol	532	1.065
2	n-Propanol	1309	1.825
Totals:			



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

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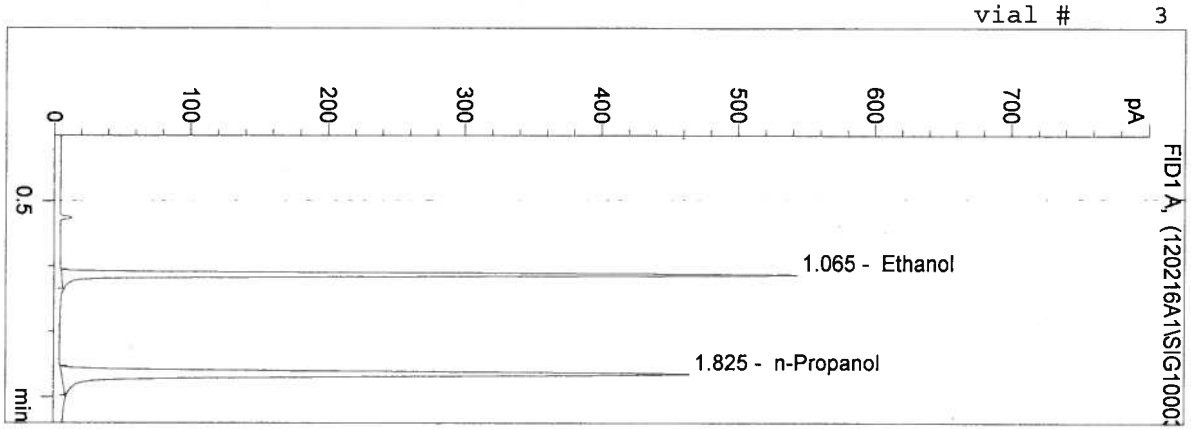
2012FEB16
AL 2012 MAR 02
1 2 0 1 2

WASHINGTON STATE TOXICOLOGY LABORATORY

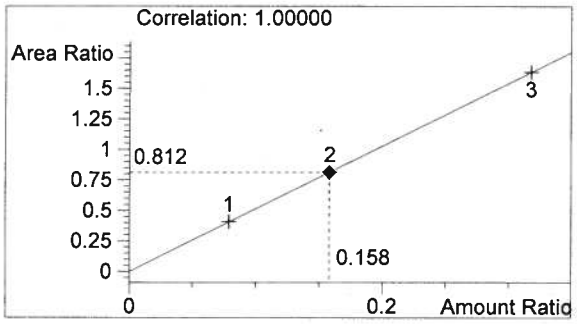
C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 8:13:14 AM
Instrument 3
DB-ALC2

0.158 cal 2
asa louis

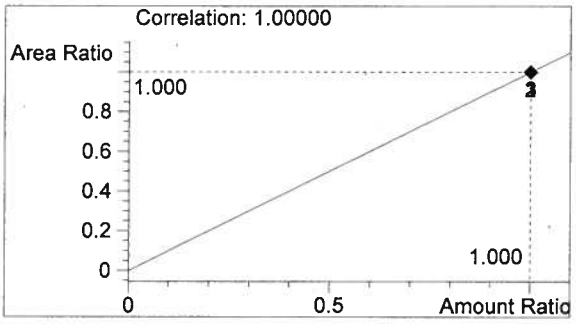
vial # 3



#	Compound	Area	RT
1	Ethanol	1037	1.065
2	n-Propanol	1277	1.825
Totals:			



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

AL
2012 FEB 16

AL
2012 MAR 02

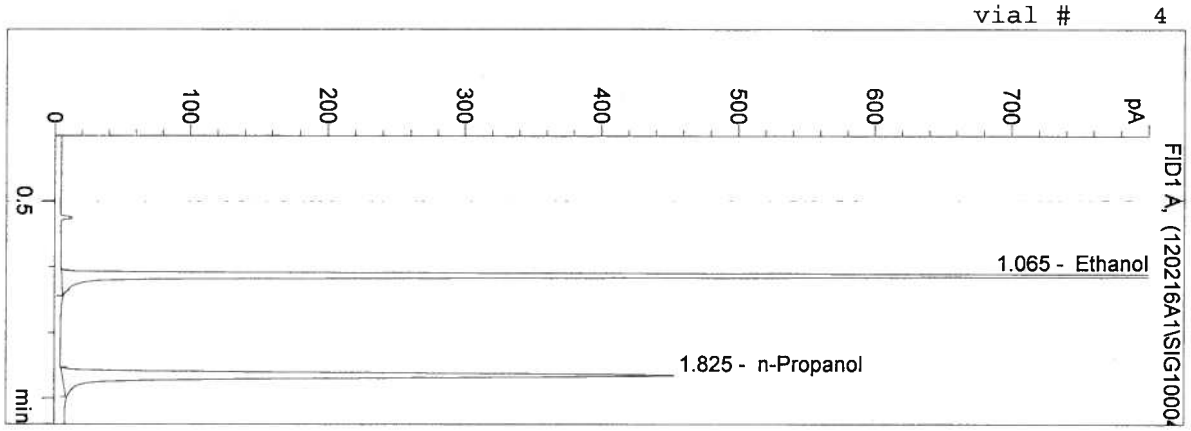
1 2 0 1 2

WASHINGTON STATE TOXICOLOGY LABORATORY

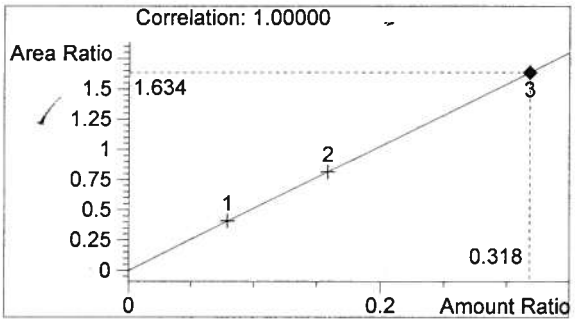
C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 8:16:21 AM
Instrument 3
DB-ALC2

0.316 cal 3
asa louis

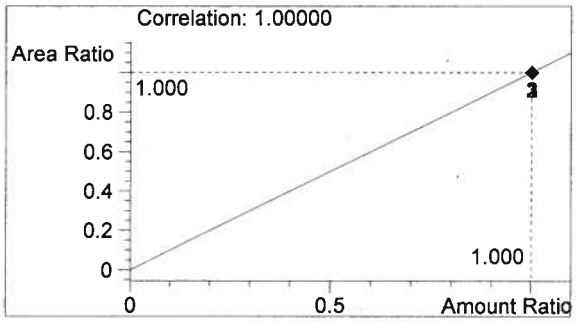
vial # 4



#	Compound	Area	RT
1	Ethanol	2026	1.065
2	n-Propanol	1240	1.825
Totals:			



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

AL
2012 FEB 16
AL 2012 MAR 02

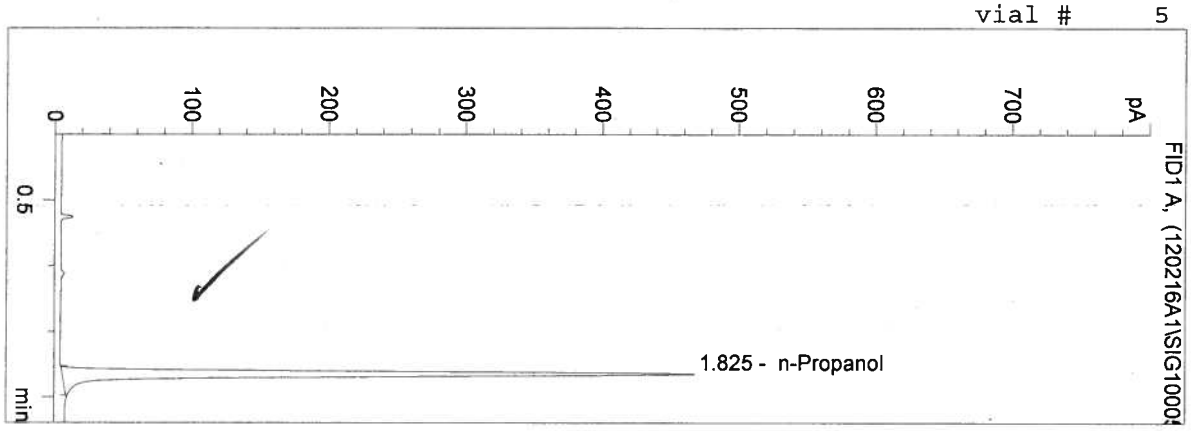
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 8:19:29 AM
Instrument 3
DB-ALC2

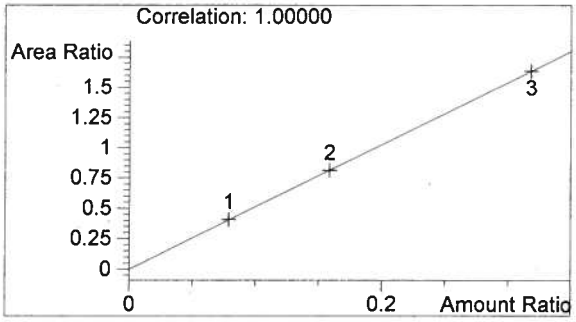
neg control - al
asa louis

vial # 5

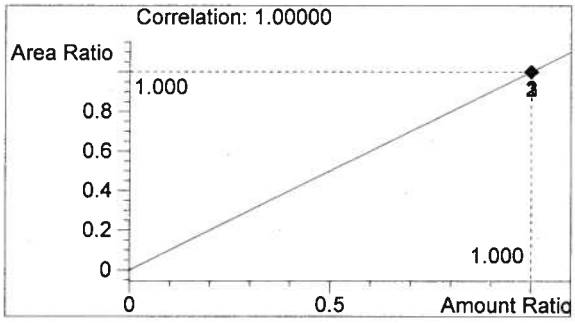


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1292	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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2012 FEB 16
AL 2012 MARCH

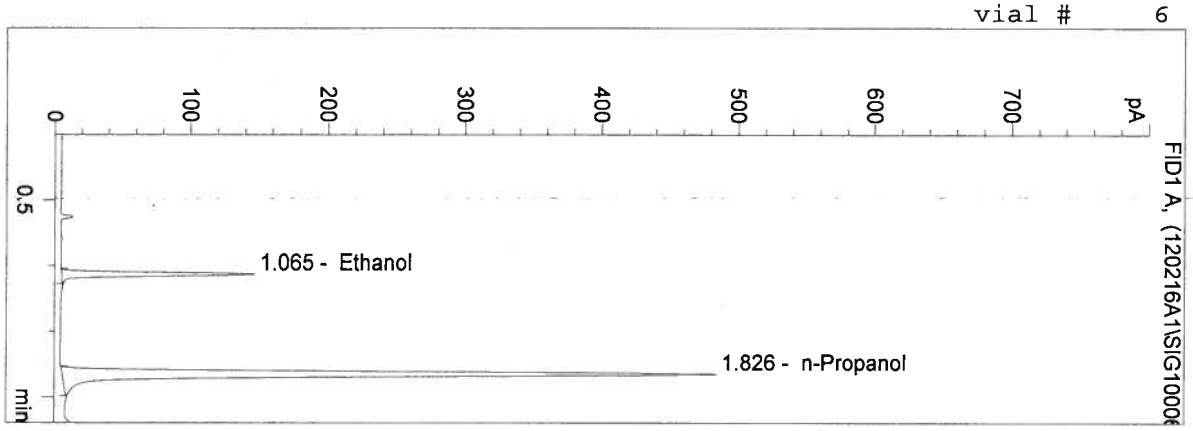
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 8:22:36 AM
Instrument 3
DB-ALC2

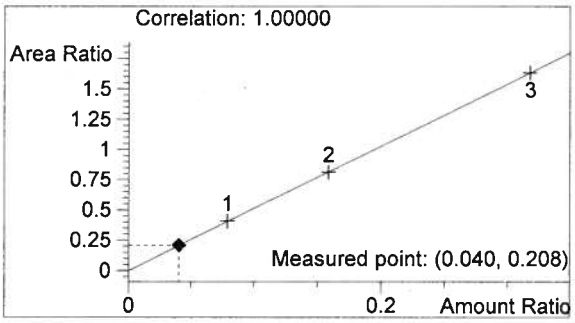
0.04 ctrl al
asa louis

vial # 6

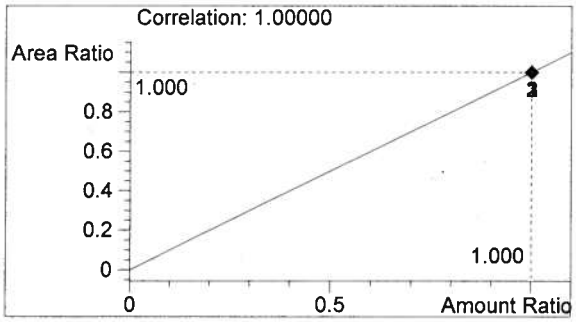


#	Compound	Area	RT
1	Ethanol	277	1.065
2	n-Propanol	1337	1.826

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

2012FEB16

AL 2012 MAR 02

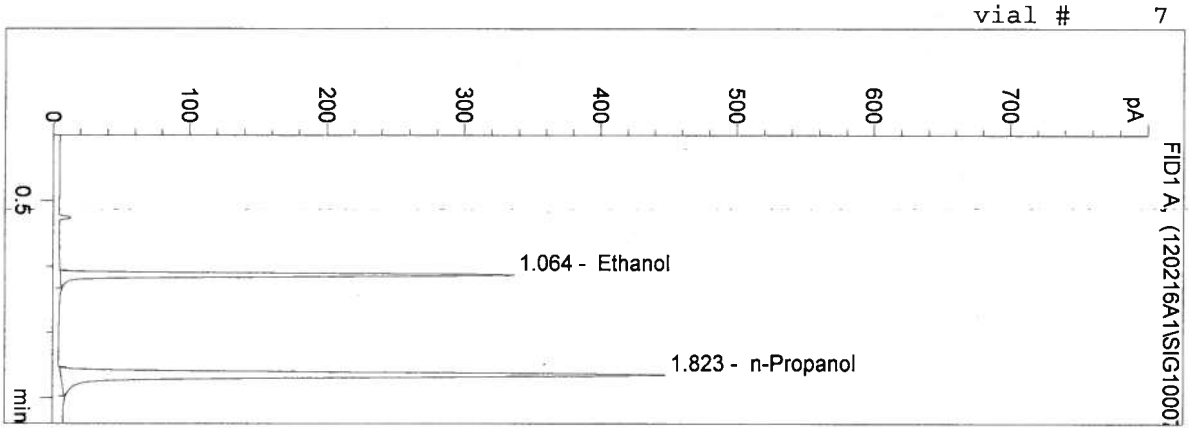
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

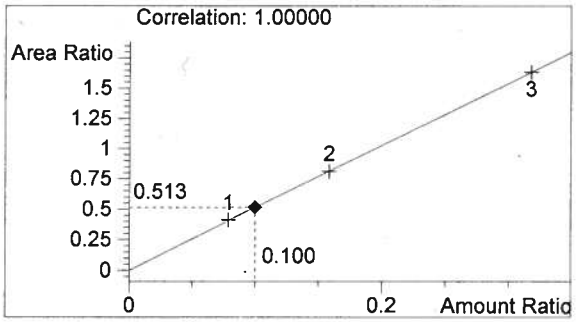
C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 8:25:43 AM
Instrument 3
DB-ALC2

0.10 ctrl al
asa louis

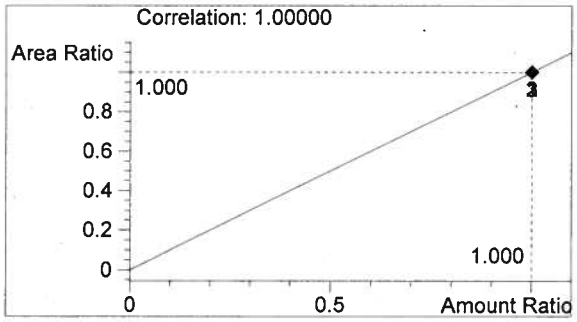
vial # 7



#	Compound	Area	RT
1	Ethanol	630	1.064
2	n-Propanol	1227	1.823
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

A
2012 FEB 16
AL 2012 MAR 32

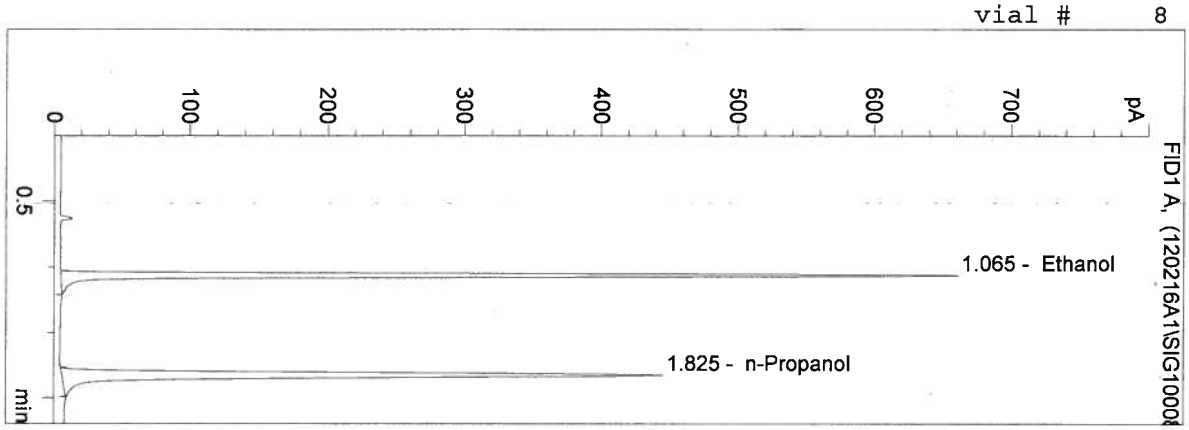
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 8:28:50 AM
Instrument 3
DB-ALC2

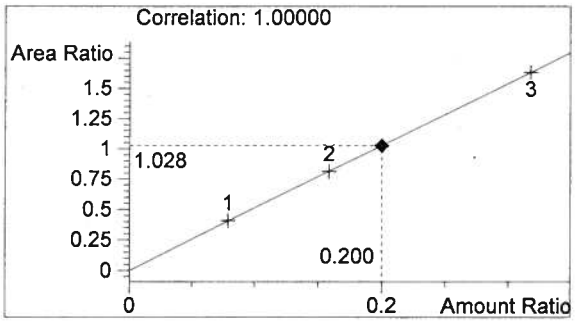
0.20 ctrl al
asa louis

vial # 8

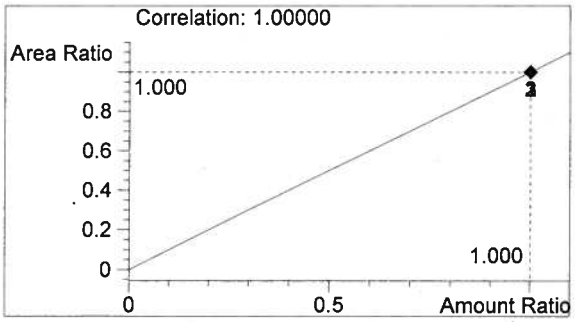


#	Compound	Area	RT
1	Ethanol	1253	1.065
2	n-Propanol	1219	1.825

Totals:



Ethanol 0.200 g/100ml



n-Propanol 1.000 g/100ml

AL
2012FOB16
AL 20.2 mg/dL

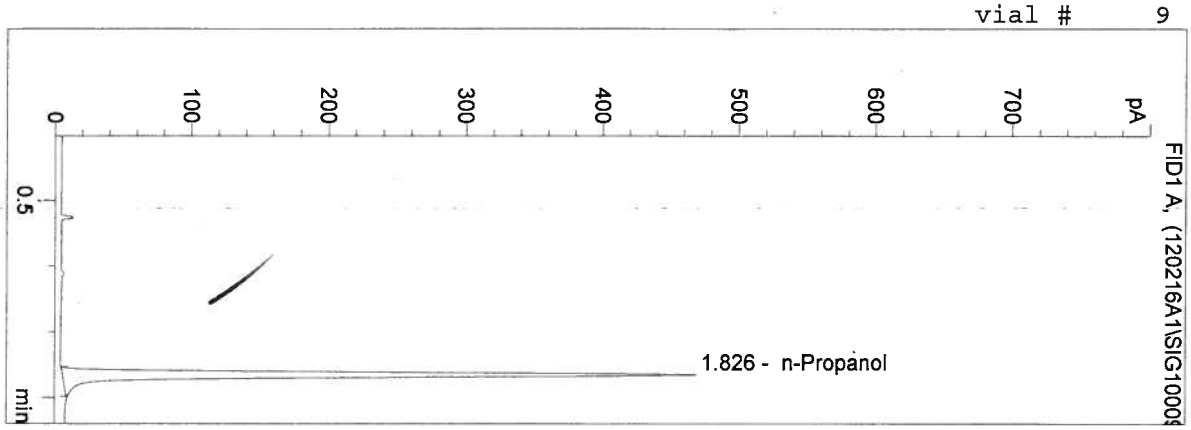
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 8:31:58 AM
Instrument 3
DB-ALC2

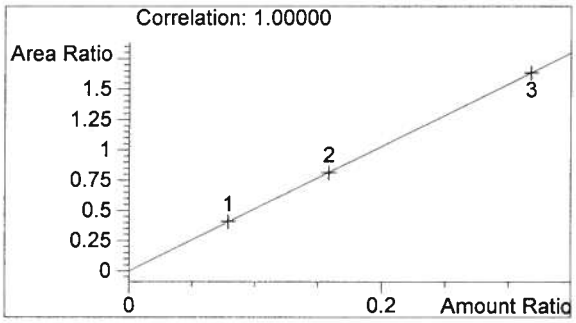
neg control - al
asa louis

vial # 9

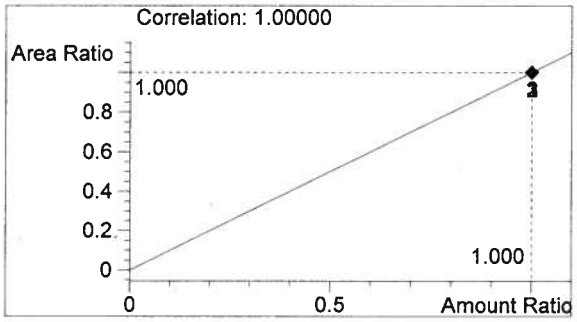


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1292	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

AL
2012 FEB 16
AL 2012 MAR 02

12012

WASHINGTON STATE TOXICOLOGY LABORATORY

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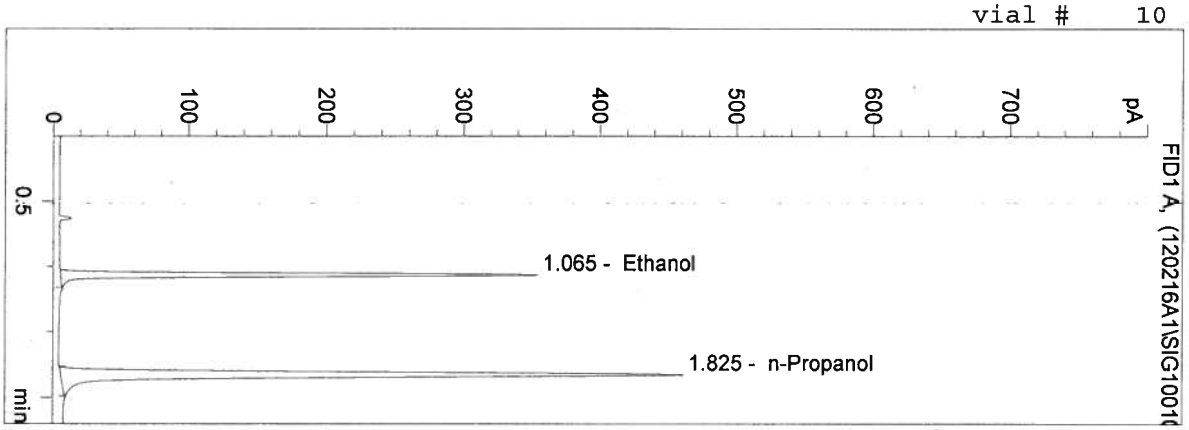
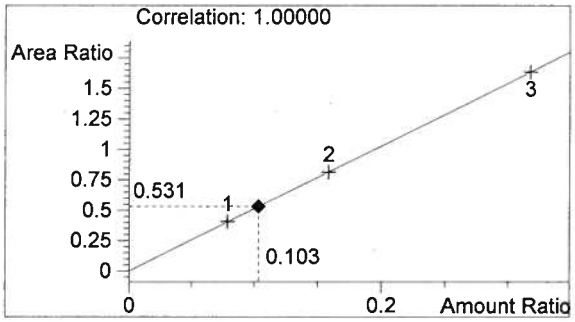
2/16/2012 8:35:05 AM
Instrument 3
DB-ALC2

12012 #1
asa louis

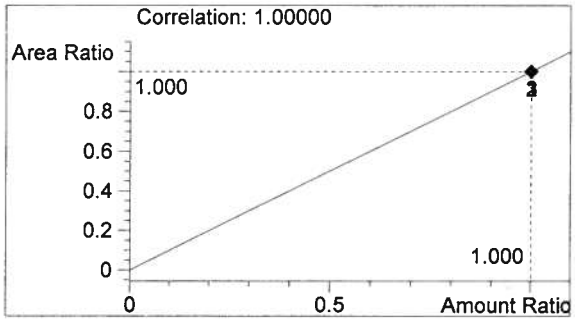
vial # 10



#	Compound	Area	RT
1	Ethanol	673	1.065
2	n-Propanol	1268	1.825
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

JL
2012 FEB 16

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2012 MAR 02

WASHINGTON STATE TOXICOLOGY LABORATORY

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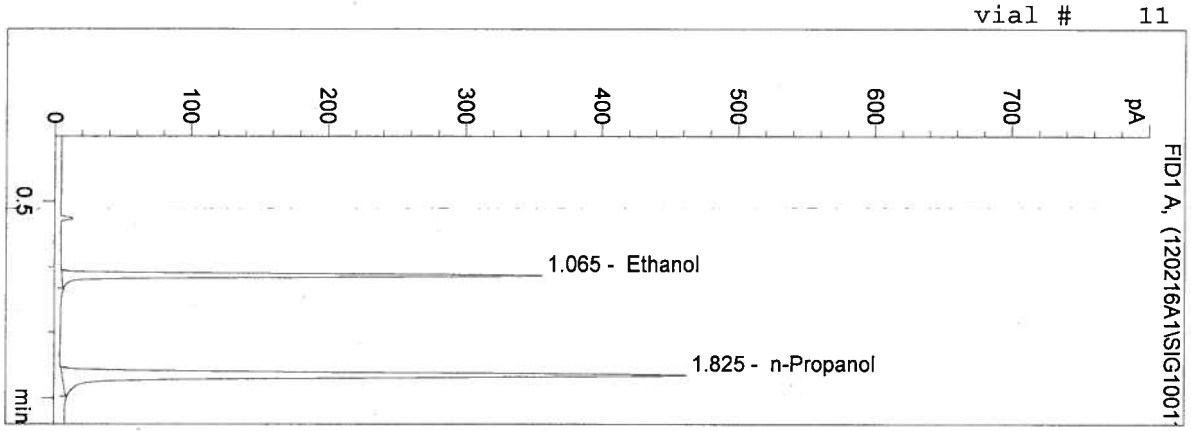
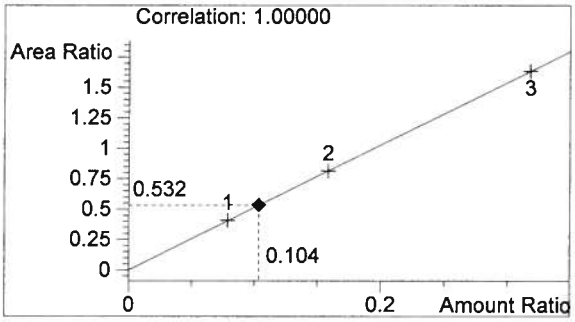
2/16/2012 8:38:12 AM
Instrument 3
DB-ALC2

12012 #2
asa louis

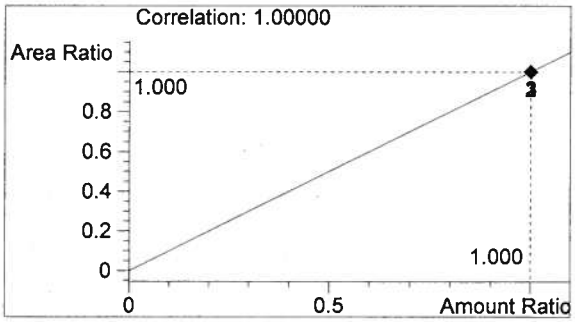
vial # 11



#	Compound	Area	RT
1	Ethanol	677	1.065
2	n-Propanol	1272	1.825
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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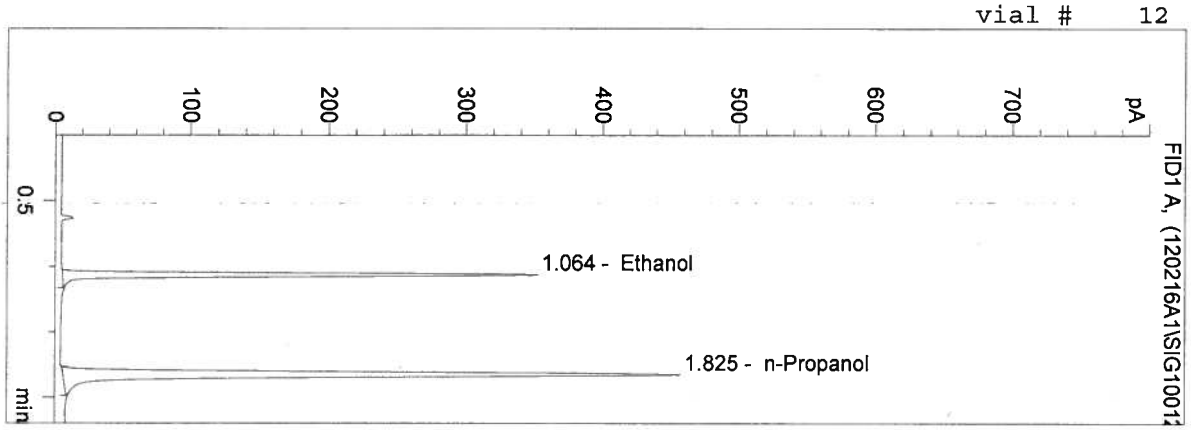
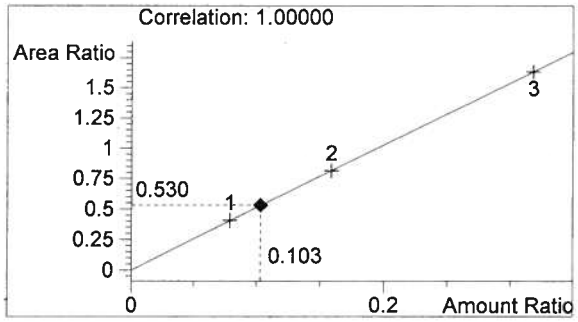
Instrument 3
DB-ALC2

12012 #3
asa louis

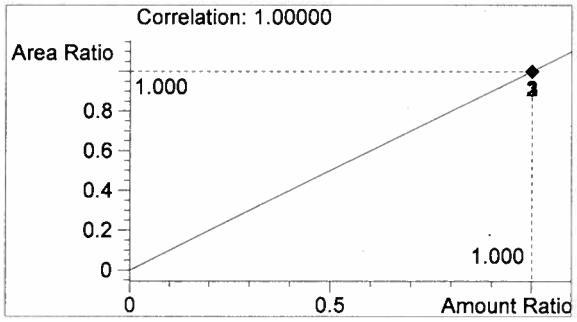
vial # 12



#	Compound	Area	RT
1	Ethanol	667	1.064
2	n-Propanol	1259	1.825
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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2012 FEB 16

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2012 MAR 02

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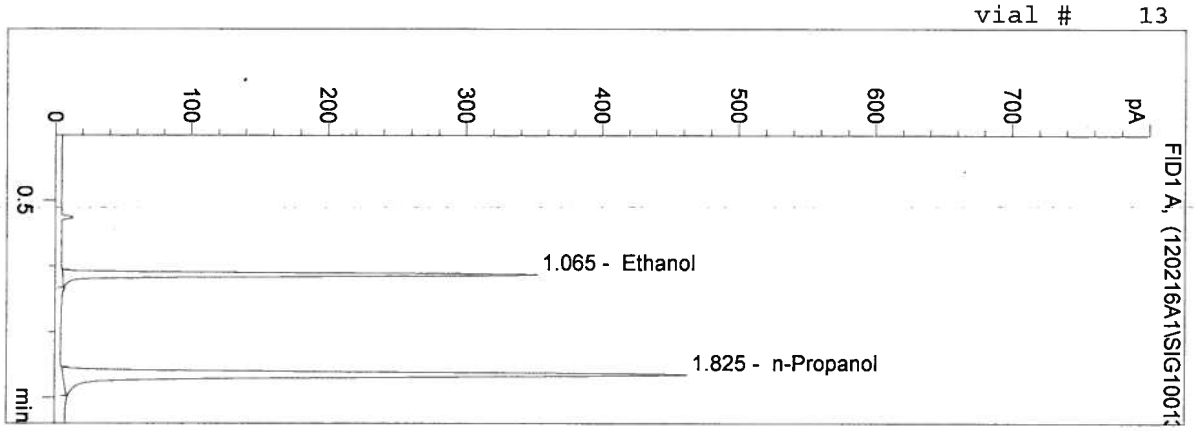
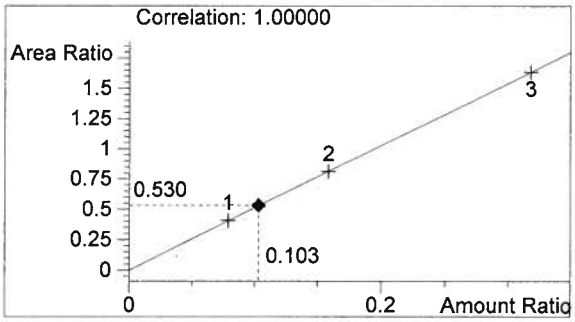
2/16/2012 8:44:26 AM
Instrument 3
DB-ALC2

12012 #4
asa louis

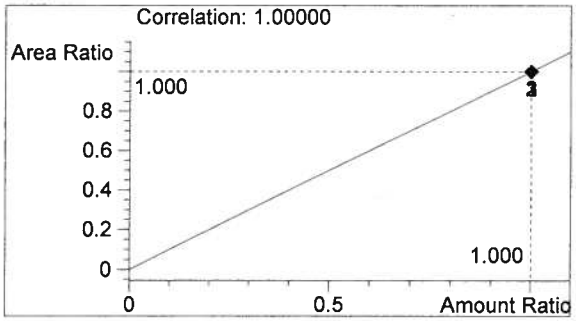
vial # 13



#	Compound	Area	RT
1	Ethanol	677	1.065
2	n-Propanol	1277	1.825
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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2012 MAR 02

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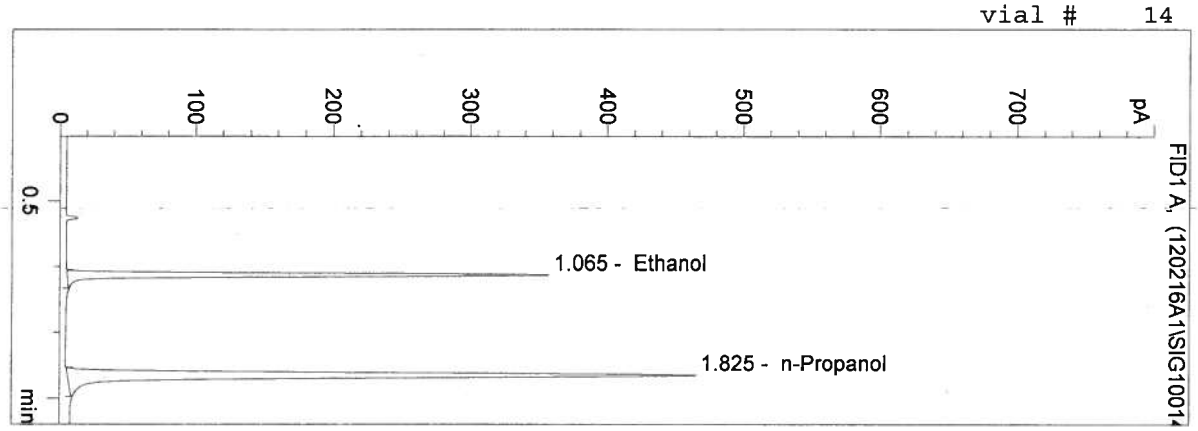
Instrument 3
DB-ALC2

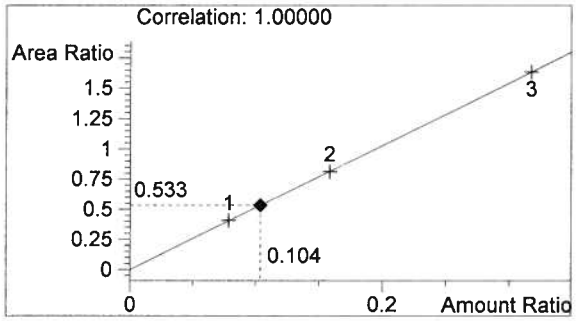
12012 #5
asa louis

vial # 14

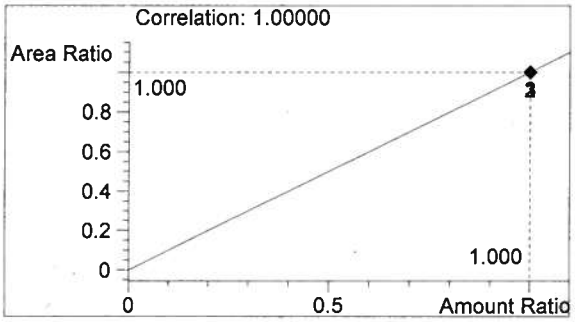


#	Compound	Area	RT
1	Ethanol	682	1.065
2	n-Propanol	1278	1.825

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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2012 FEB 16

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2012 MAR 02

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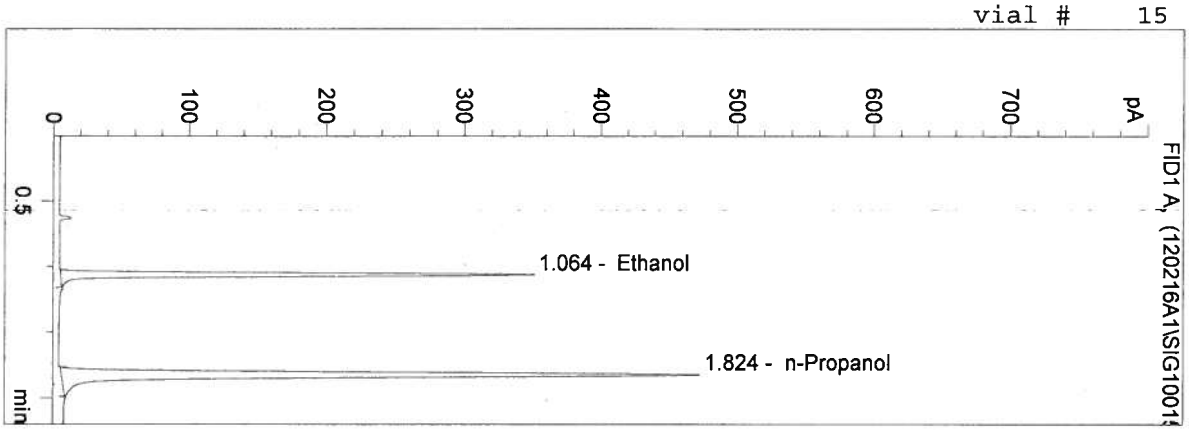
Instrument 3
DB-ALC2

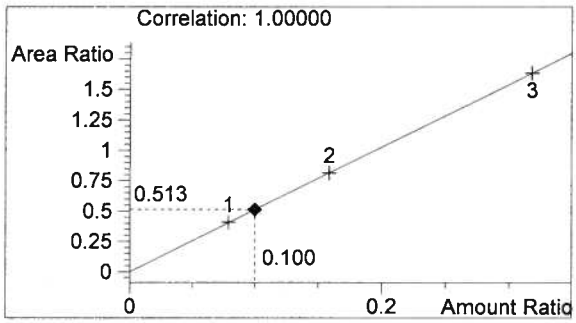
0.10 ctrl al
asa louis

vial # 15

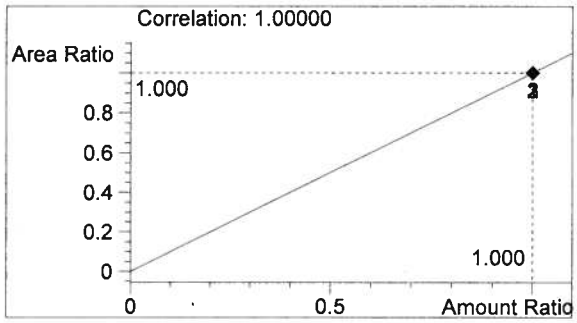


#	Compound	Area	RT
1	Ethanol	666	1.064
2	n-Propanol	1297	1.824

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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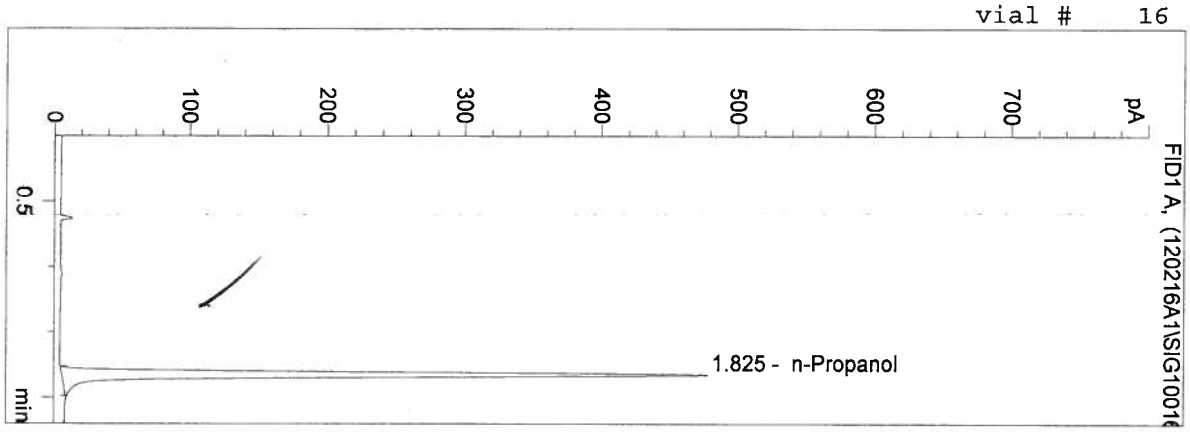
Instrument 3
DB-ALC2

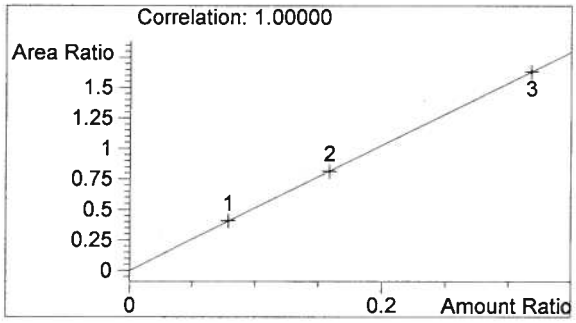
neg control - al
asa louis

vial # 16

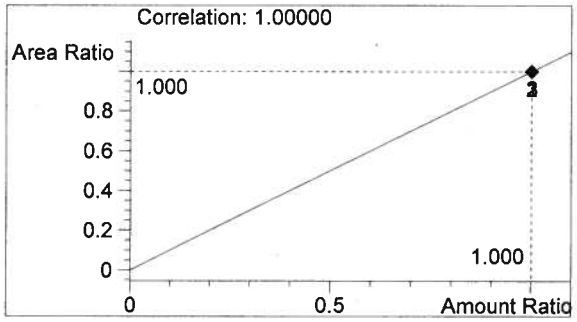


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1309	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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2012 FEB 16
AL 2012 MAR 5

12012

Sequence Parameters:

Operator:	Naziha Nuwayhid, PhD
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120224N2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot# E0112-01 - exp 04/29/2012
Cal 2- Lot# E0112-02 - exp 04/29/2012
Cal 3- Lot# E0112-03 - exp 04/29/2012

0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot# E0112-01; Exp 04/29/2012
3	Vial 3	Lot# E0112-02; Exp 04/29/2012
4	Vial 4	Lot# E0112-03; Exp 04/29/2012
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12012

NN 2.24.12

Sequence: C:\HPCHEM\2\SEQUENCE\NNESS3.S

Line	Location	Sample Information
15	Vial 15	Lot#A075806
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-NN	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-NN	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-NN	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-NN	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-NN	SIMALC3	1	Ctrl Samp		
10	Vial 10	ESS 12012-1	SIMALC3	1	Sample		
11	Vial 11	ESS 12012-2	SIMALC3	1	Sample		
12	Vial 12	ESS 12012-3	SIMALC3	1	Sample		
13	Vial 13	ESS 12012-4	SIMALC3	1	Sample		
14	Vial 14	ESS 12012-5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-NN	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-NN	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12012

NN 2.24.12

Calibration Table

Calib. Data Modified : Friday, February 24, 2012 10:57:53 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.064	1	1	7.90200e-2	516.54309	1.52979e-4		1	Ethanol
		2	1.58720e-1	1058.69543	1.49920e-4			
		3	3.17800e-1	2040.84973	1.55719e-4			
1.824	1	1	1.00000	1277.95789	7.82498e-4	I1		n-Propanol
		2	1.00000	1282.28516	7.79858e-4			
		3	1.00000	1249.54858	8.00289e-4			

Peak Sum Table

No Entries in table

12012

NN 2.24.12

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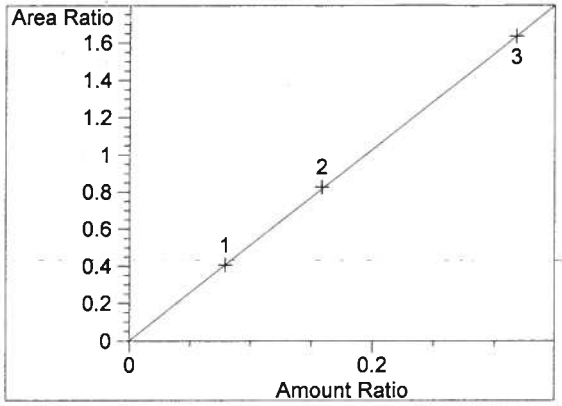
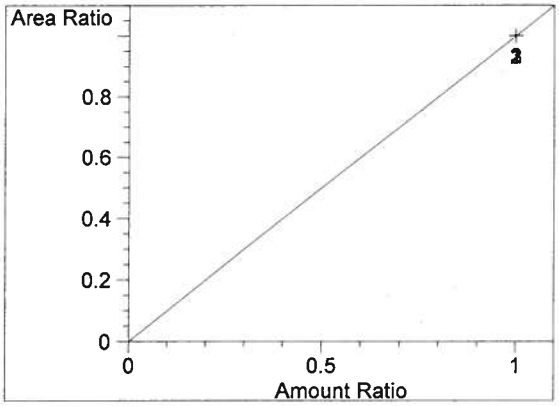
Calibration Curves

==========



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00649
Formula: y = mx + b
m: 5.14493
b: 1.21991e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.824
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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12012

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2.24.12

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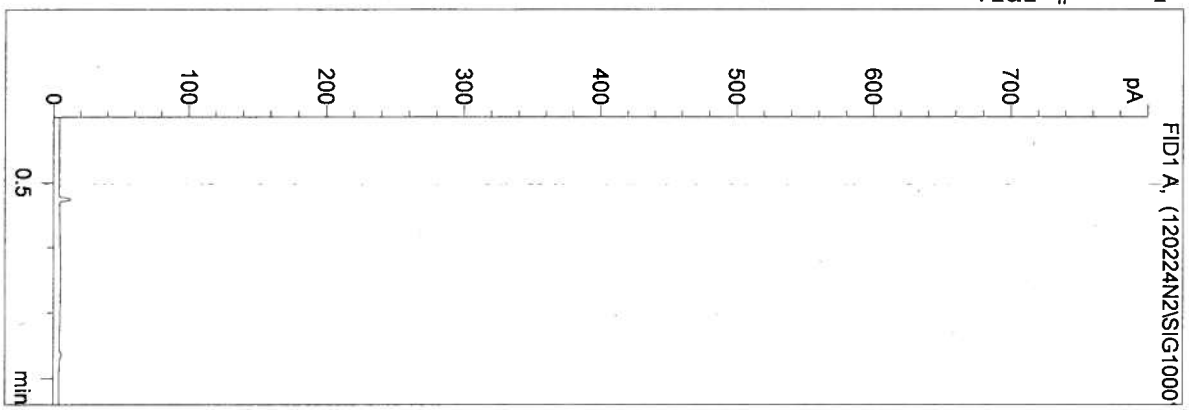
2/24/2012 10:46:19 AM
Instrument 3
DB-ALC2

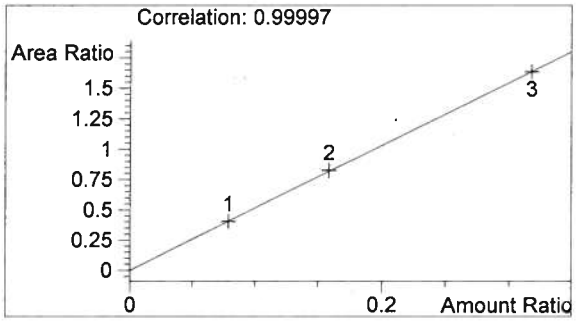
BLANK
Naziha Nuwayhid, PhD

vial # 1

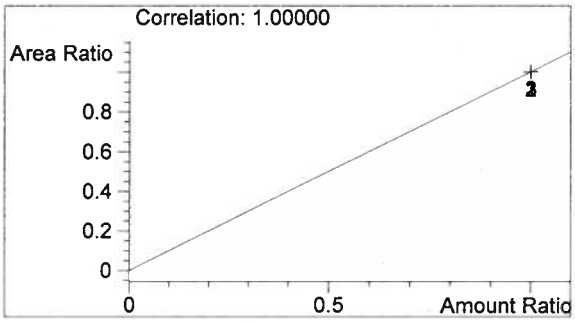


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12012

NN
2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

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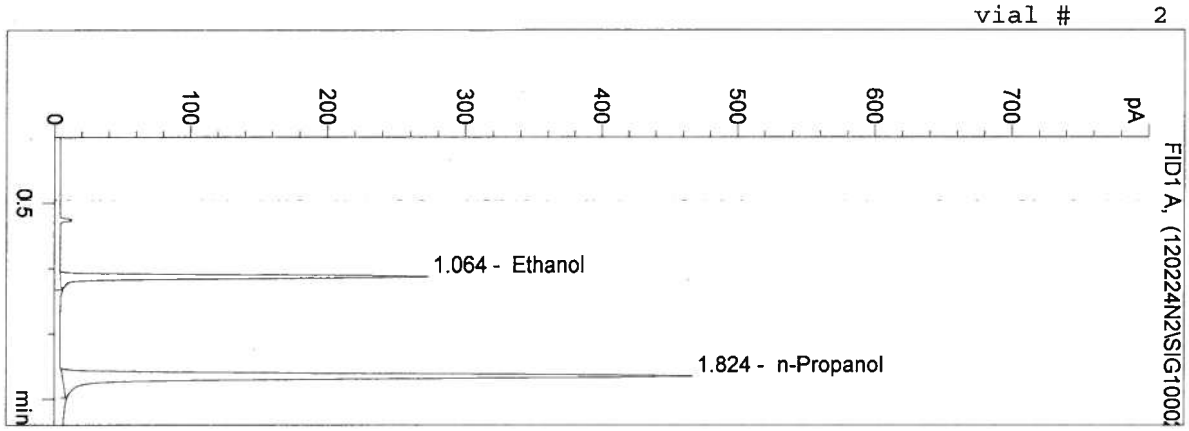
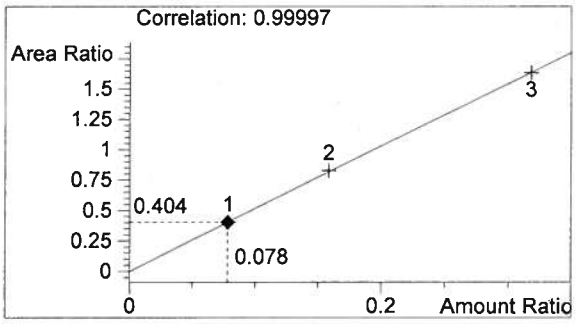
2/24/2012 10:49:26 AM
Instrument 3
DB-ALC2

0.079 CAL 1
Naziha Nuwayhid, PhD

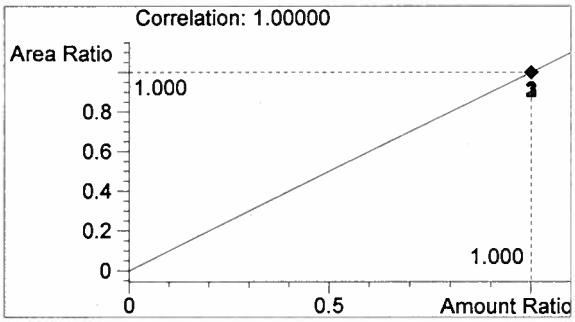
vial # 2



#	Compound	Area	RT
1	Ethanol	517	1.064
2	n-Propanol	1278	1.824
Totals:			



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

12012

NN
2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

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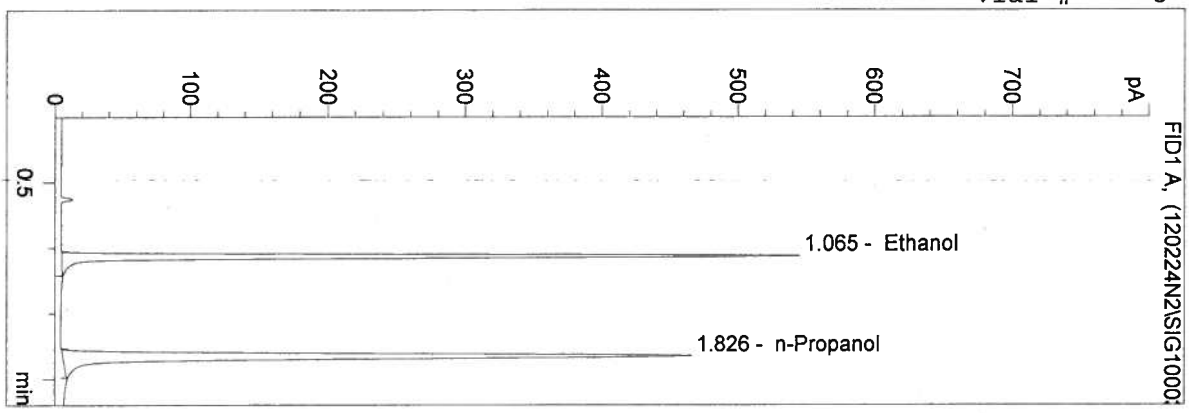
2/24/2012 10:52:33 AM
Instrument 3
DB-ALC2

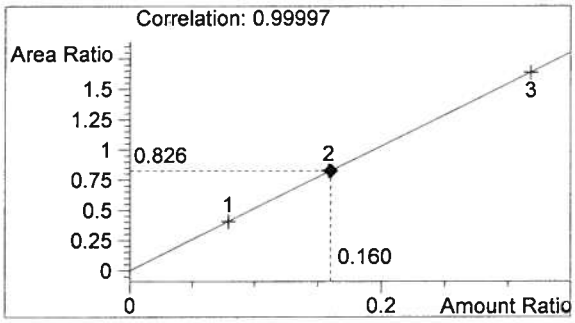
0.158 CAL 2
Naziha Nuwayhid, PhD

vial # 3

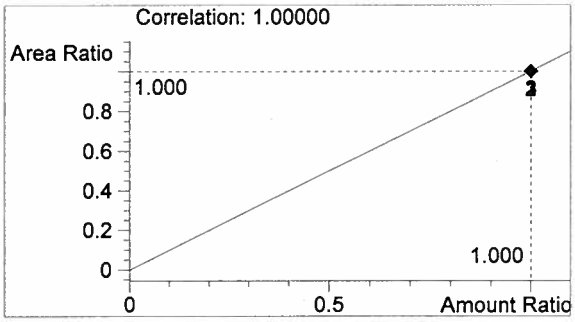


#	Compound	Area	RT
1	Ethanol	1059	1.065
2	n-Propanol	1282	1.826

Totals:



Ethanol 0.160 g/100ml



n-Propanol 1.000 g/100ml

12012

NN
2.24.12

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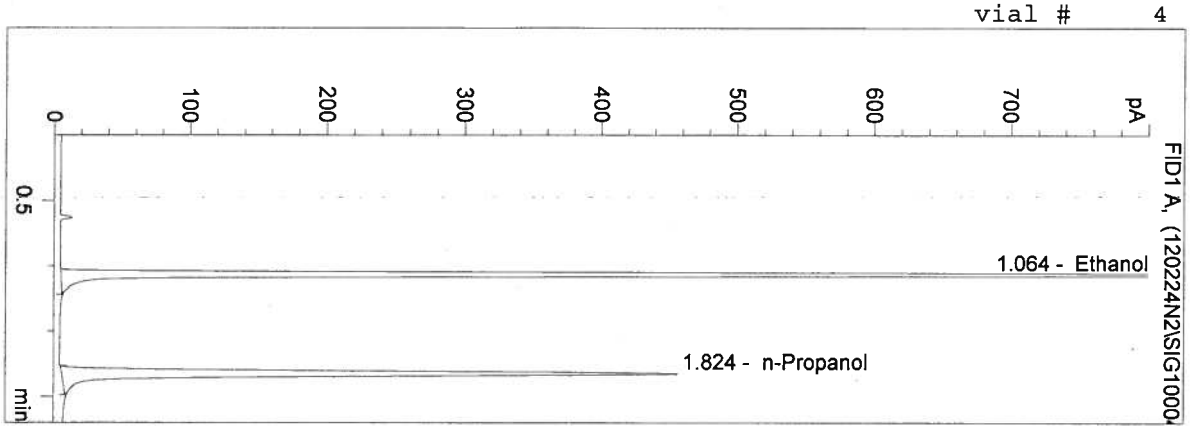
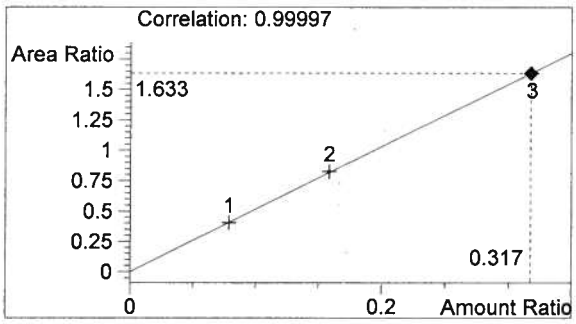
2/24/2012 10:55:40 AM
Instrument 3
DB-ALC2

0.316 CAL 3
Naziha Nuwayhid, PhD

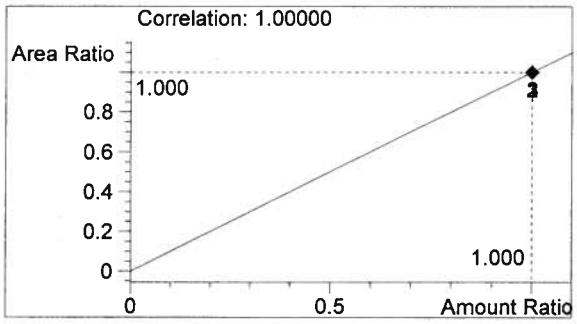
vial # 4



#	Compound	Area	RT
1	Ethanol	2041	1.064
2	n-Propanol	1250	1.824
Totals:			



Ethanol 0.317 g/100ml



n-Propanol 1.000 g/100ml

12012

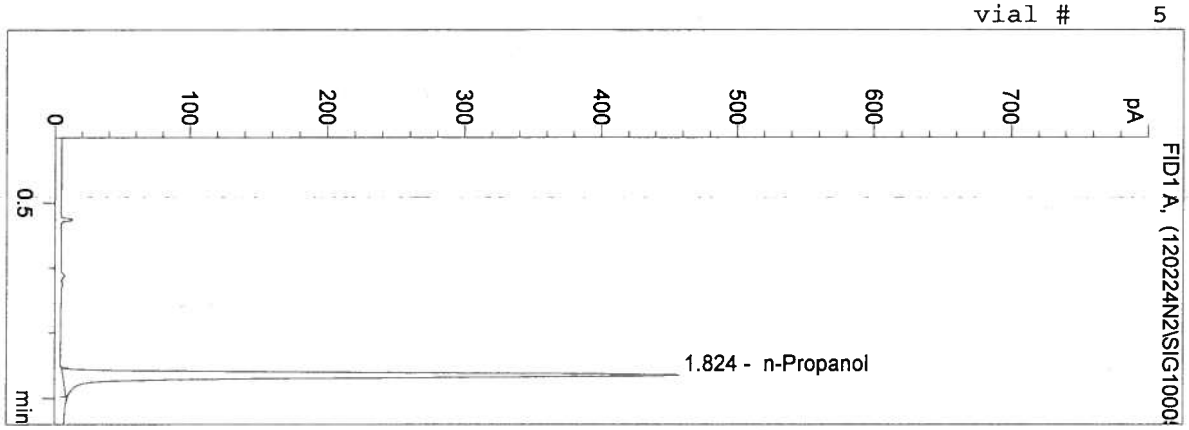
WN 2.29.12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 10:58:48 AM
Instrument 3
DB-ALC2

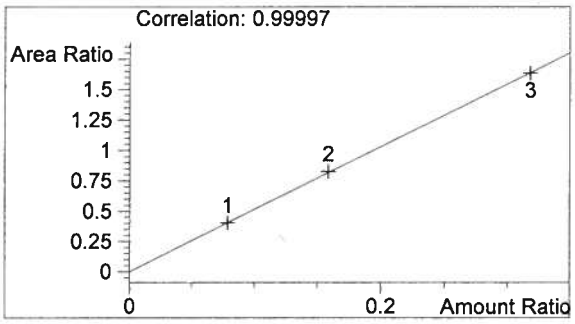
NEG CTRL-NN
Naziha Nuwayhid, PhD

vial # 5

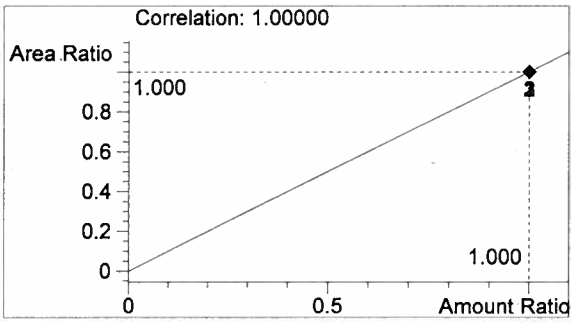


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1249	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

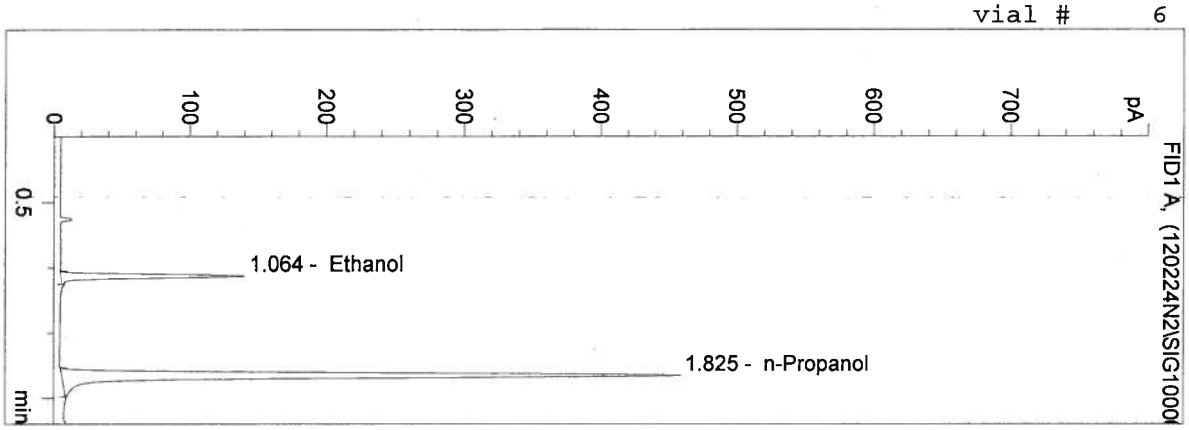
NN
2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

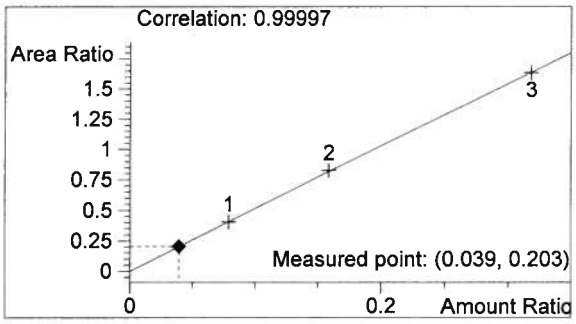
C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:01:55 AM
Instrument 3
DB-ALC2

0.04 CTRL-NN
Naziha Nuwayhid, PhD

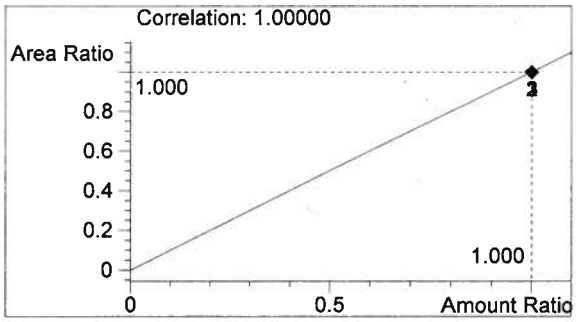
vial # 6



#	Compound	Area	RT
1	Ethanol	255	1.064
2	n-Propanol	1255	1.825
Totals:			



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

12012

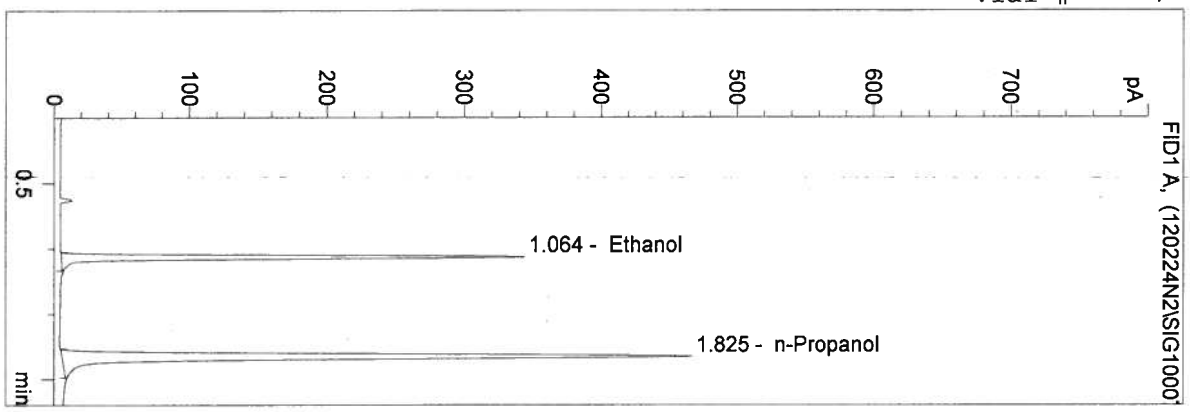
NN 2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

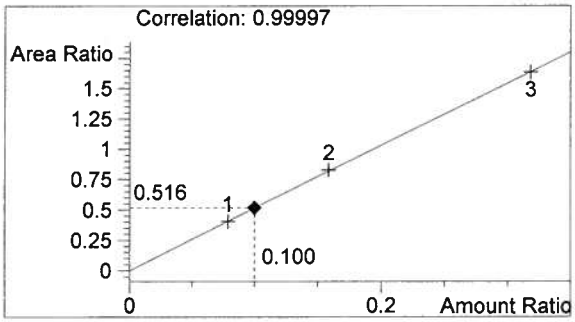
C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:05:02 AM
Instrument 3
DB-ALC2

0.10 CTRL-NN
Naziha Nuwayhid, PhD

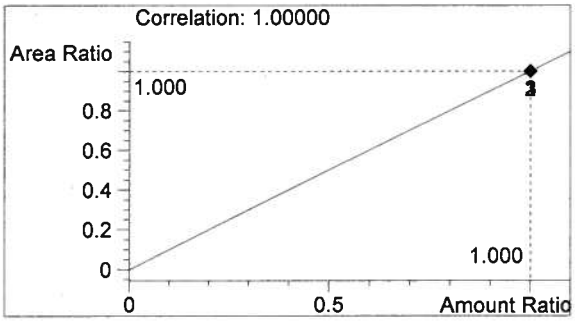
vial # 7



#	Compound	Area	RT
1	Ethanol	663	1.064
2	n-Propanol	1284	1.825
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

12012

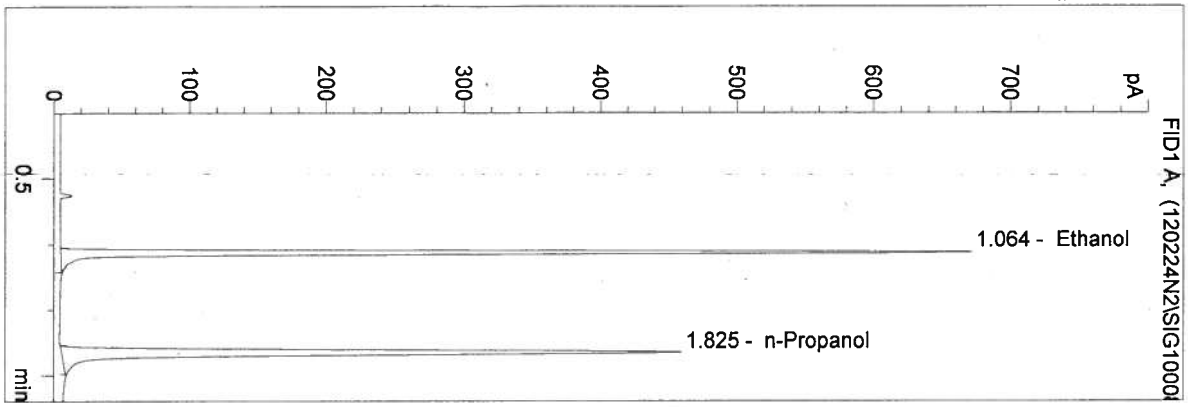
NN
2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:08:09 AM
Instrument 3
DB-ALC2

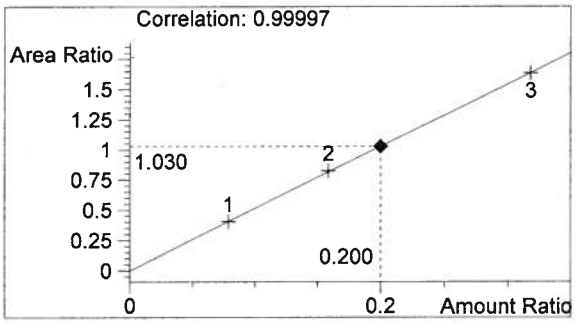
0.20 CTRL-NN
Naziha Nuwayhid, PhD

vial # 8

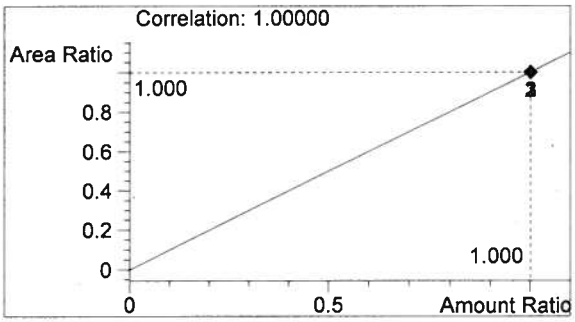


#	Compound	Area	RT
1	Ethanol	1299	1.064
2	n-Propanol	1261	1.825

Totals:



Ethanol 0.200 g/100ml



n-Propanol 1.000 g/100ml

12012

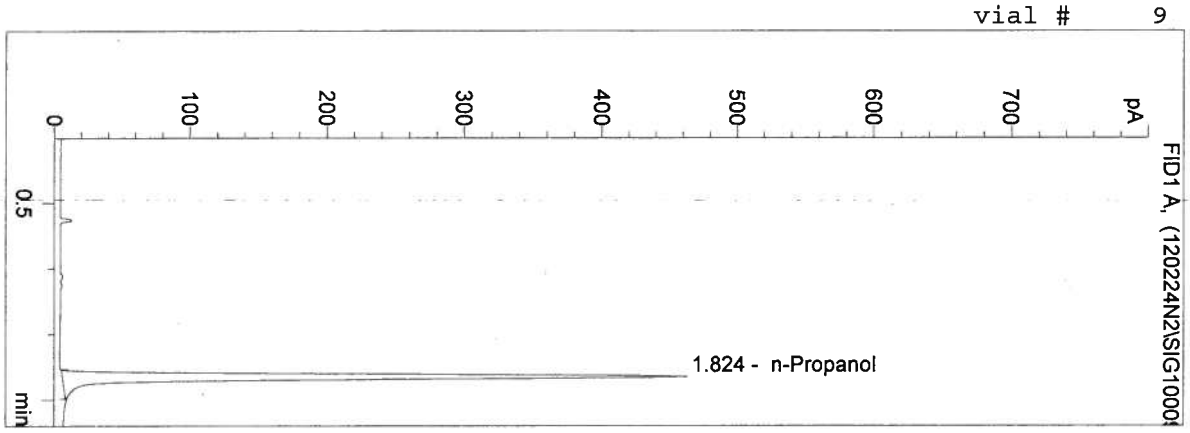
NN
2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:11:17 AM
Instrument 3
DB-ALC2

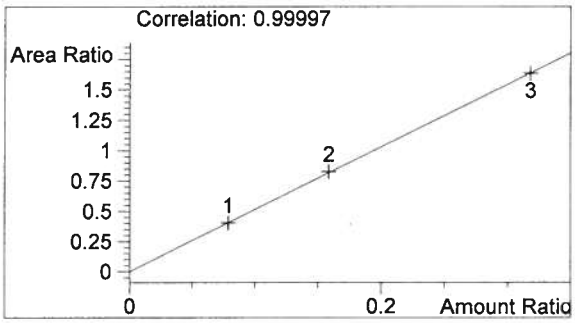
NEG CTRL-NN
Naziha Nuwayhid, PhD

vial # 9

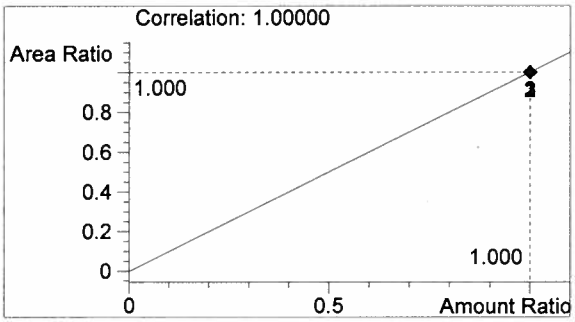


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1270	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

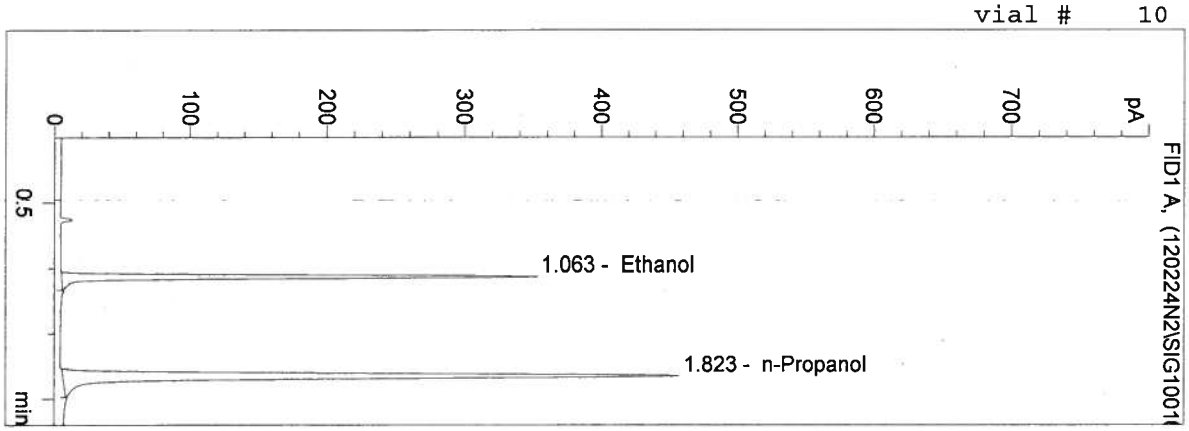
NN
2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

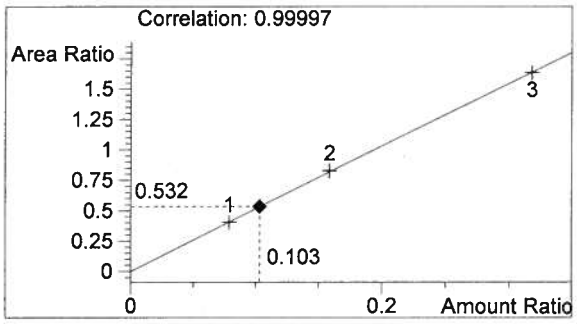
C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:14:24 AM
Instrument 3
DB-ALC2

ESS 12012-1
Naziha Nuwayhid, PhD

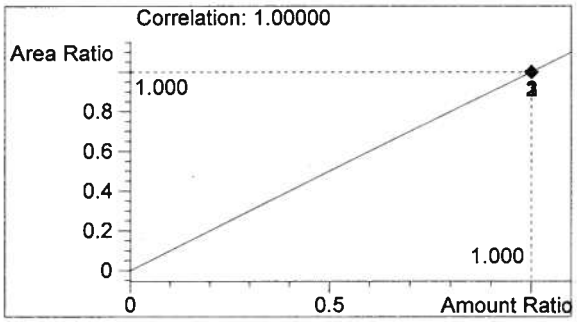
vial # 10



#	Compound	Area	RT
1	Ethanol	665	1.063
2	n-Propanol	1249	1.823
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

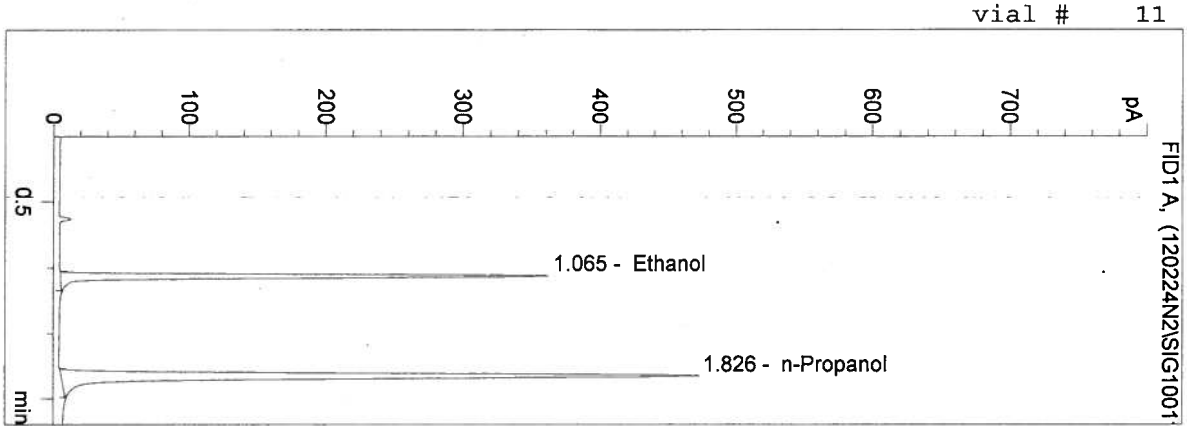
NN
2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:17:31 AM
Instrument 3
DB-ALC2

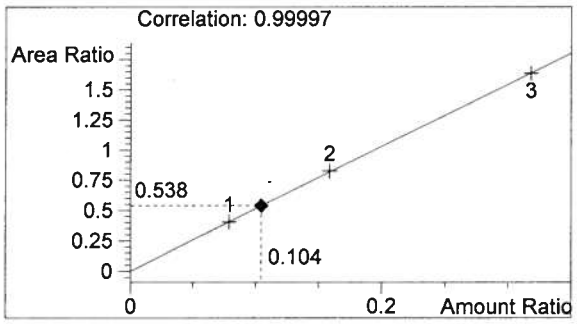
ESS 12012-2
Naziha Nuwayhid, PhD

vial # 11

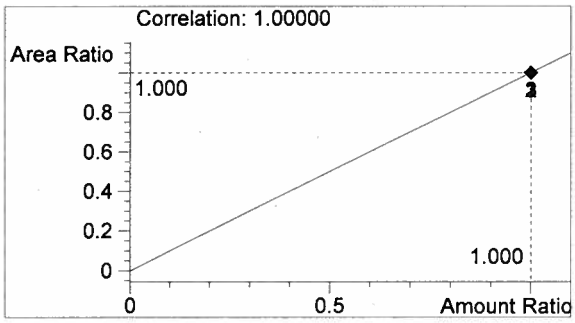


#	Compound	Area	RT
1	Ethanol	702	1.065
2	n-Propanol	1305	1.826

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

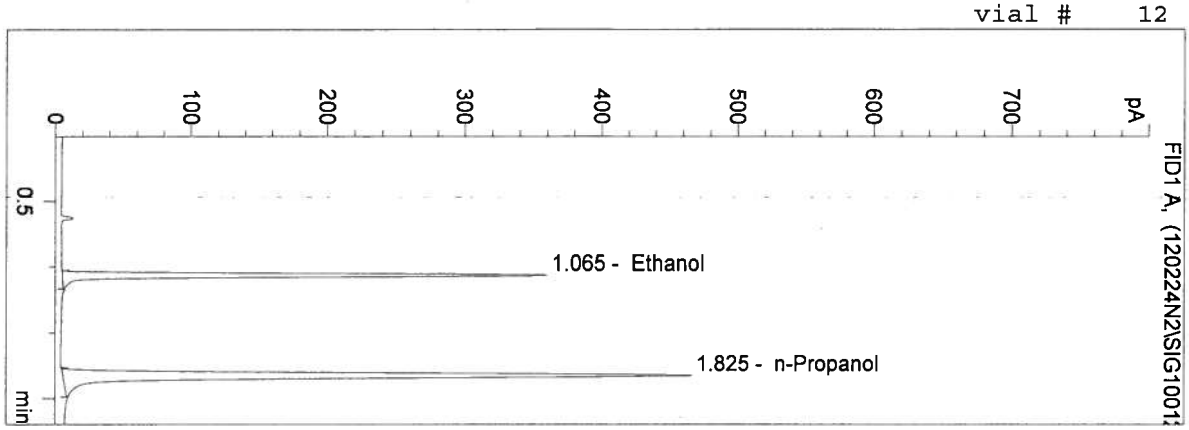
NN
2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:20:38 AM
Instrument 3
DB-ALC2

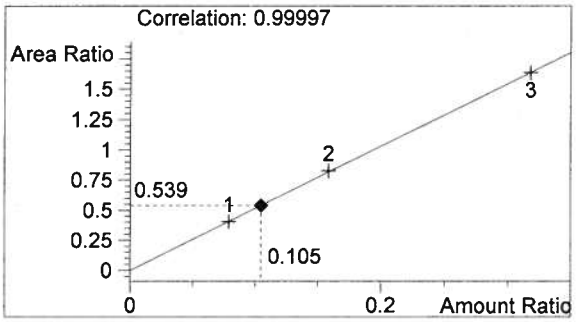
ESS 12012-3
Naziha Nuwayhid, PhD

vial # 12

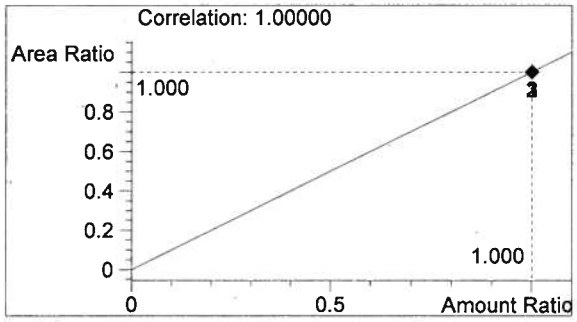


#	Compound	Area	RT
1	Ethanol	691	1.065
2	n-Propanol	1281	1.825

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

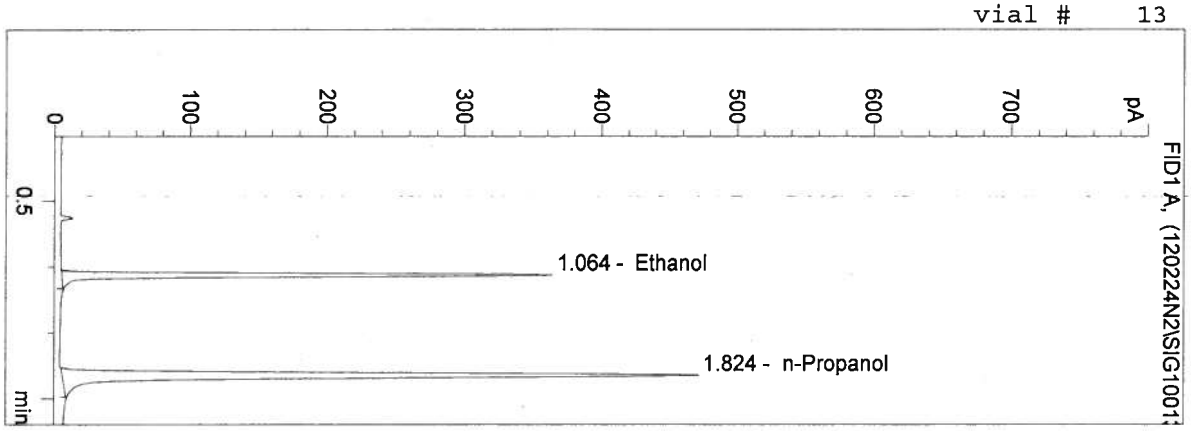
NN
2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

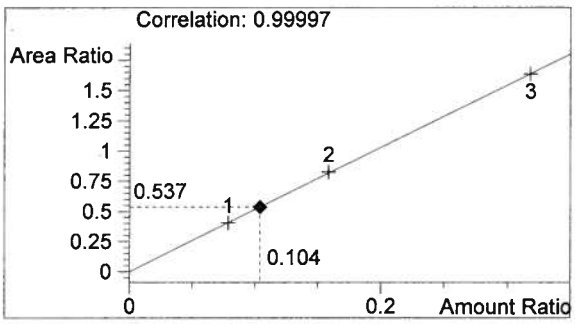
C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:23:45 AM
Instrument 3
DB-ALC2

ESS 12012-4
Naziha Nuwayhid, PhD

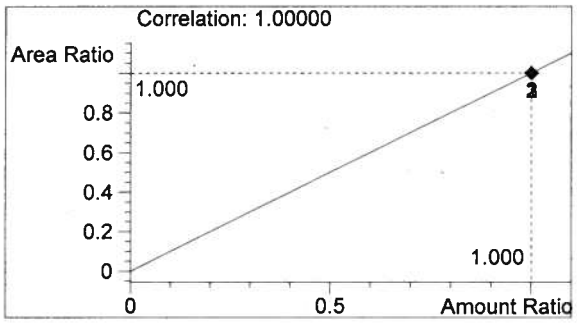
vial # 13



#	Compound	Area	RT
1	Ethanol	695	1.064
2	n-Propanol	1295	1.824
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

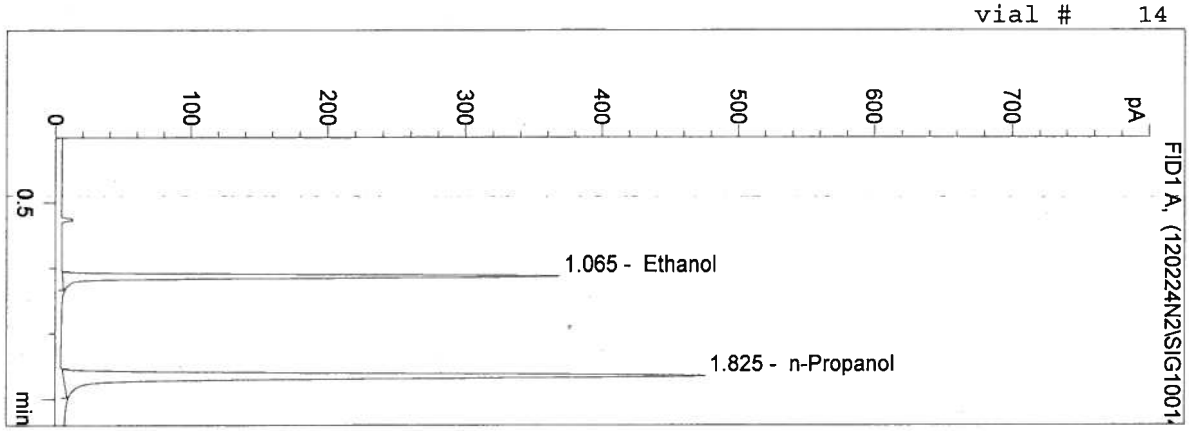
NW 2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:26:52 AM
Instrument 3
DB-ALC2

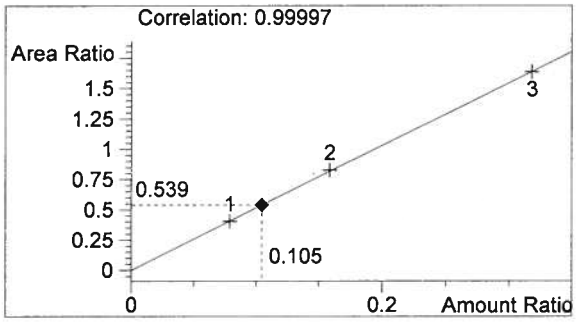
ESS 12012-5
Naziha Nuwayhid, PhD

vial # 14

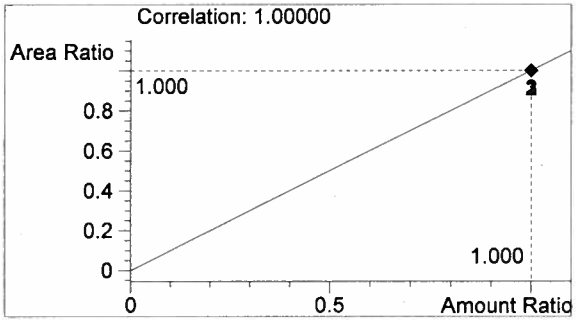


#	Compound	Area	RT
1	Ethanol	704	1.065
2	n-Propanol	1304	1.825

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

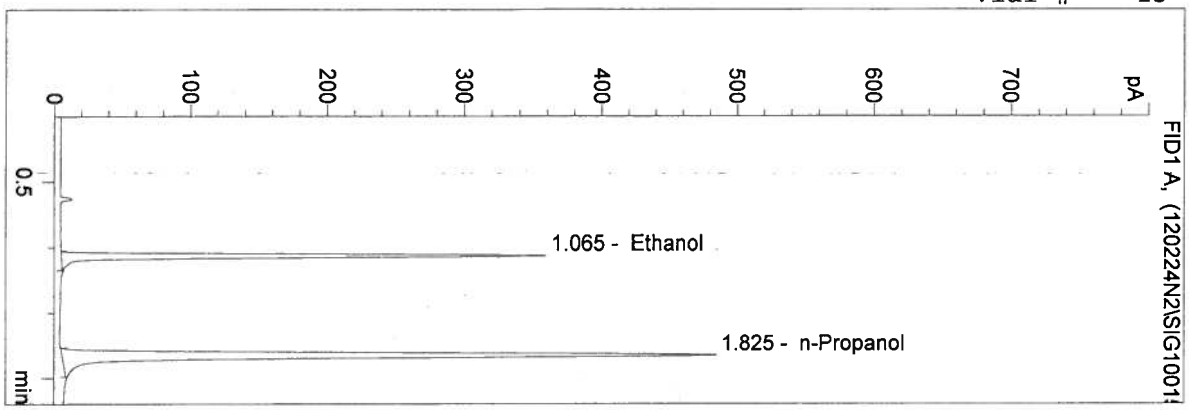
NN 2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:30:00 AM
Instrument 3
DB-ALC2

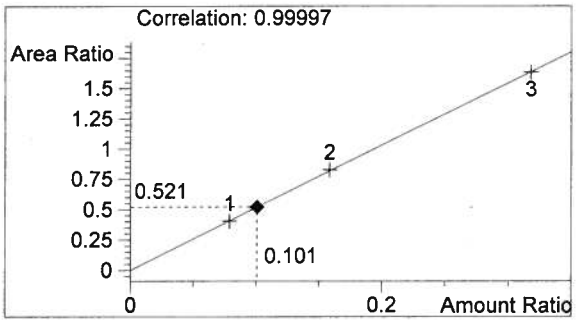
0.10 CTRL-NN
Naziha Nuwayhid, PhD

vial # 15

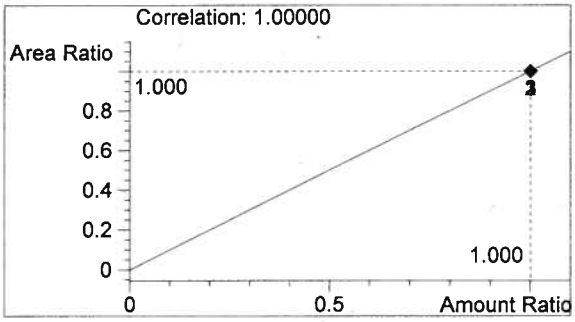


#	Compound	Area	RT
1	Ethanol	696	1.065
2	n-Propanol	1336	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

12012

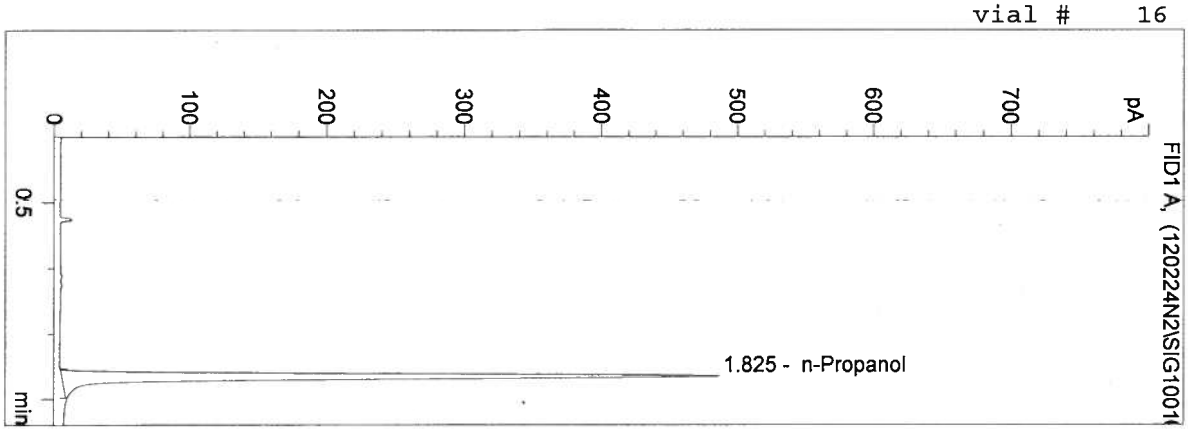
NN 2.24.12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 11:33:07 AM
Instrument 3
DB-ALC2

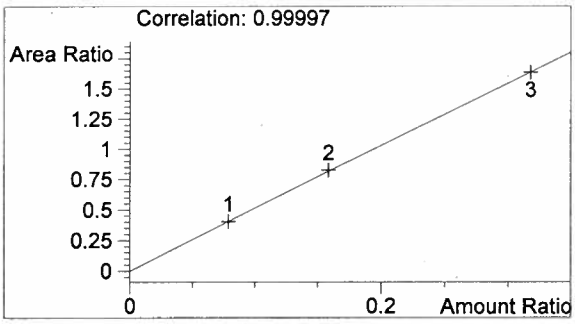
NEG CTRL-NN
Naziha Nuwayhid, PhD

vial # 16

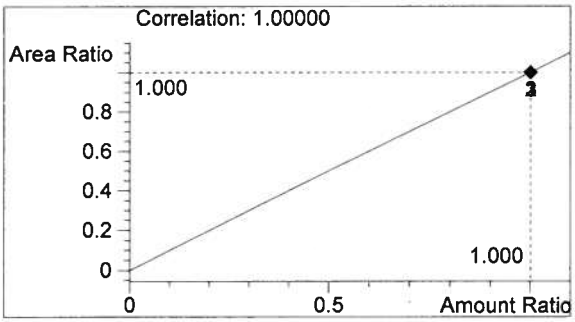


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1333	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

NN 2.24.12

Sequence: C:\HPCHEM\2\SEQUENCE\DCESS3.S

Sequence Parameters:

Operator:	Dawn Cox
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120224DC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot# E0112-01 Exp 04/29/2012
Cal 2- Lot# E0112-02 Exp 04/29/2012
Cal 3- Lot# E0112-03 Exp 04/29/2012
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot# E0112-01
3	Vial 3	Lot# E0112-02
4	Vial 4	Lot# E0112-03
5	Vial 5	
6	Vial 6	Lot# A077459
7	Vial 7	Lot#A075806
8	Vial 8	Lot#A076521
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	Lot#A075806

12012

DC

16 Vial 16

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-DC	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-DC	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-DC	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-DC	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-DC	SIMALC3	1	Ctrl Samp		
10	Vial 10	12012 #1	SIMALC3	1	Sample		
11	Vial 11	12012 #2	SIMALC3	1	Sample		
12	Vial 12	12012 #3	SIMALC3	1	Sample		
13	Vial 13	12012 #4	SIMALC3	1	Sample		
14	Vial 14	12012 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-DC	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-DC	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12012

DC

Calibration Table

Calib. Data Modified : Friday, February 24, 2012 12:58:11 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.064	1	1	7.90200e-2	508.90631	1.55274e-4	1		Ethanol
		2	1.58720e-1	1039.49890	1.52689e-4			
		3	3.17800e-1	2040.59424	1.55739e-4			
1.824	1	1	1.00000	1253.35120	7.97861e-4	I1		n-Propanol
		2	1.00000	1269.05505	7.87988e-4			
		3	1.00000	1243.39331	8.04251e-4			

Peak Sum Table

No Entries in table

12012

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Calibration Curves

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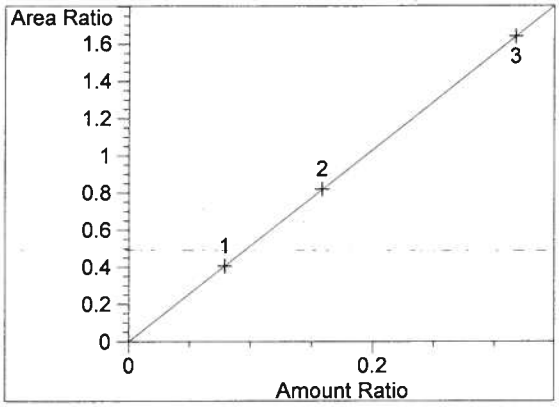
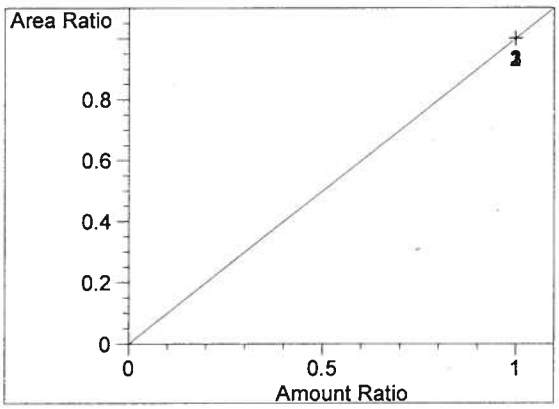


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00113
Formula: y = mx + b
m: 5.16610
b: -9.19582e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.824
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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12012

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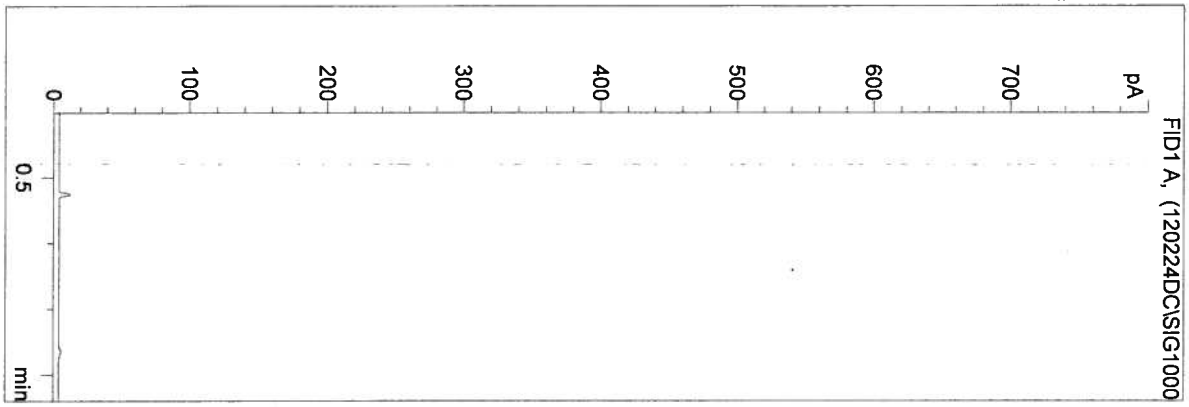
Instrument 3
DB-ALC2

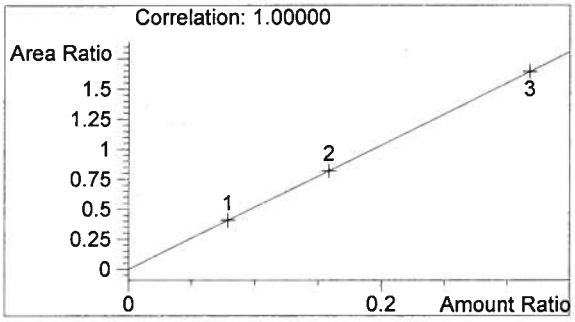
BLANK
Dawn Cox

vial # 1

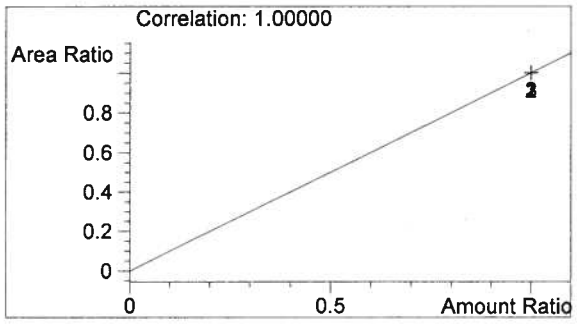


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

1 2 0 1 2

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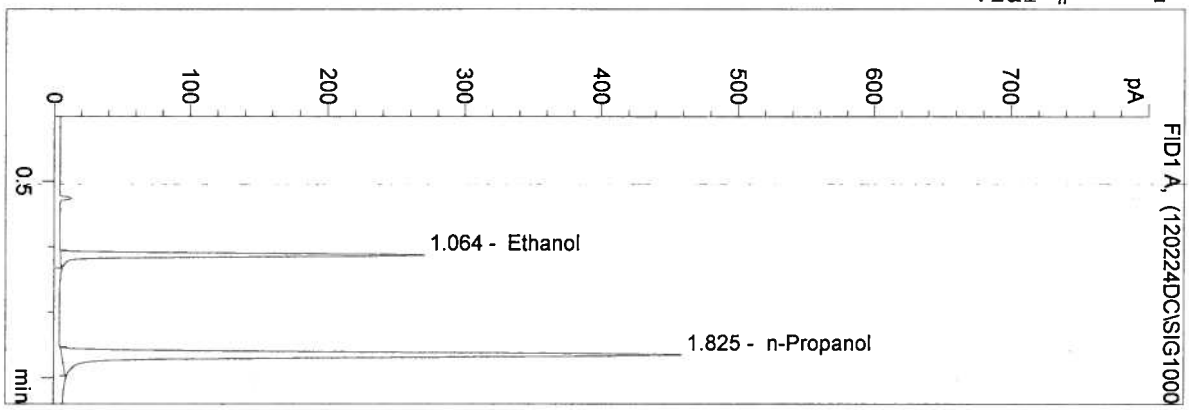
Instrument 3
DB-ALC2

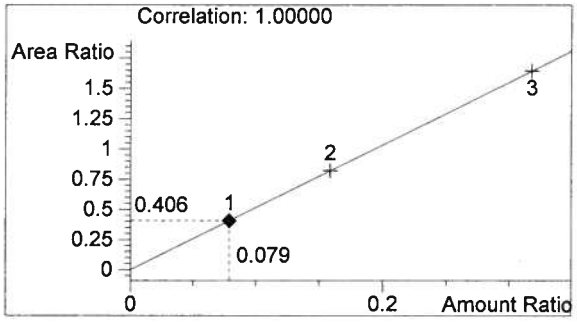
0.079 CAL 1
Dawn Cox

vial # 2

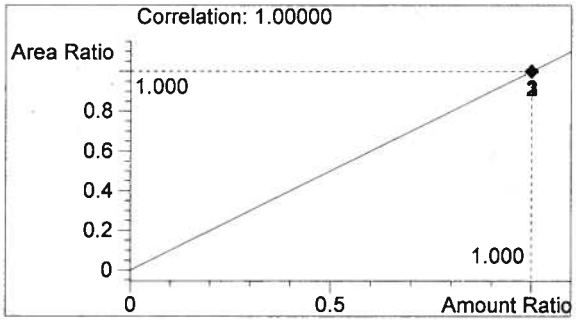


#	Compound	Area	RT
1	Ethanol	509	1.064
2	n-Propanol	1253	1.825

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

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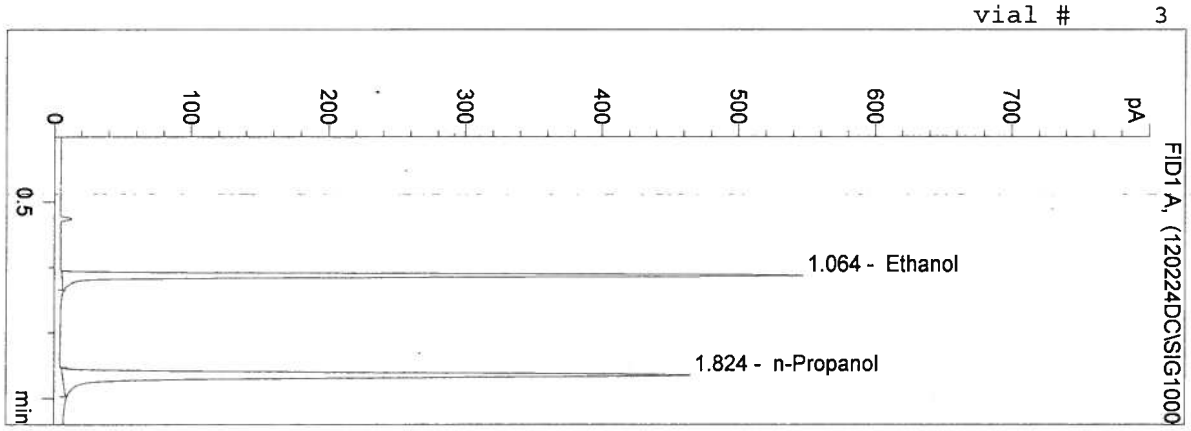
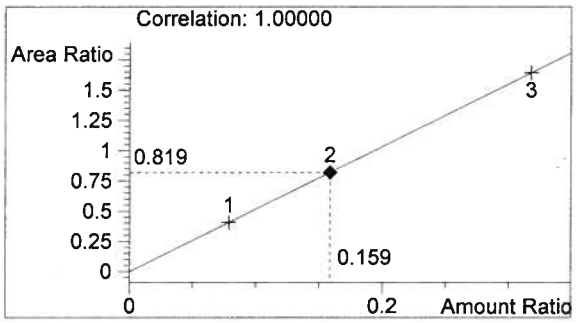
Instrument 3
DB-ALC2

0.158 CAL 2
Dawn Cox

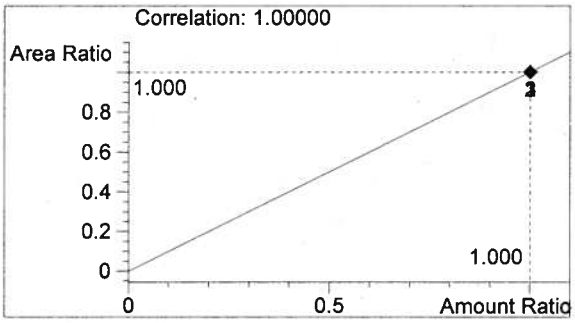
vial # 3



#	Compound	Area	RT
1	Ethanol	1039	1.064
2	n-Propanol	1269	1.824
Totals:			



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

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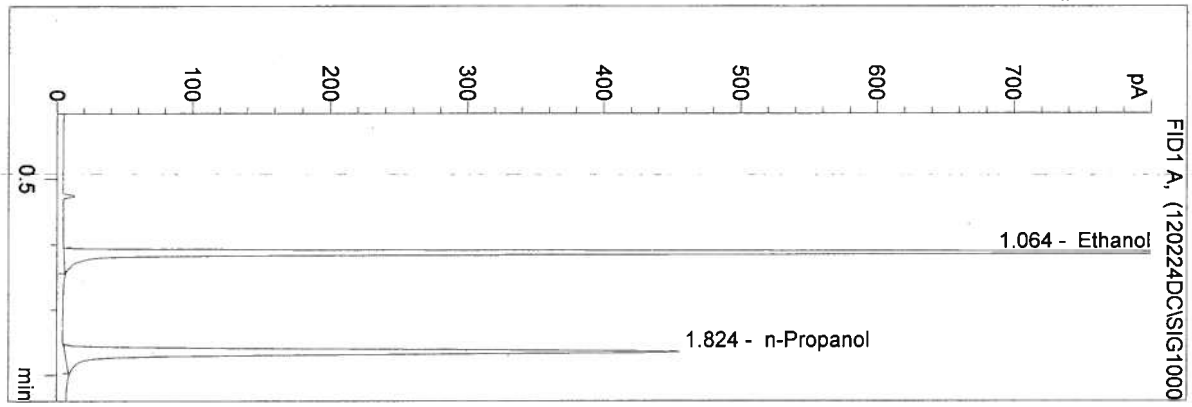
Instrument 3
DB-ALC2

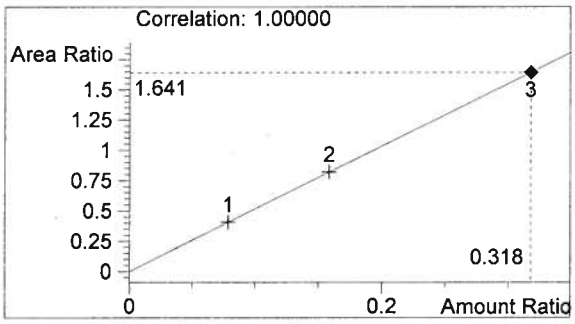
0.316 CAL 3
Dawn Cox

vial # 4

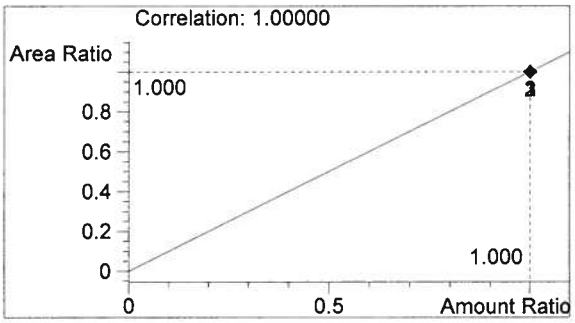


#	Compound	Area	RT
1	Ethanol	2041	1.064
2	n-Propanol	1243	1.824

Totals:



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

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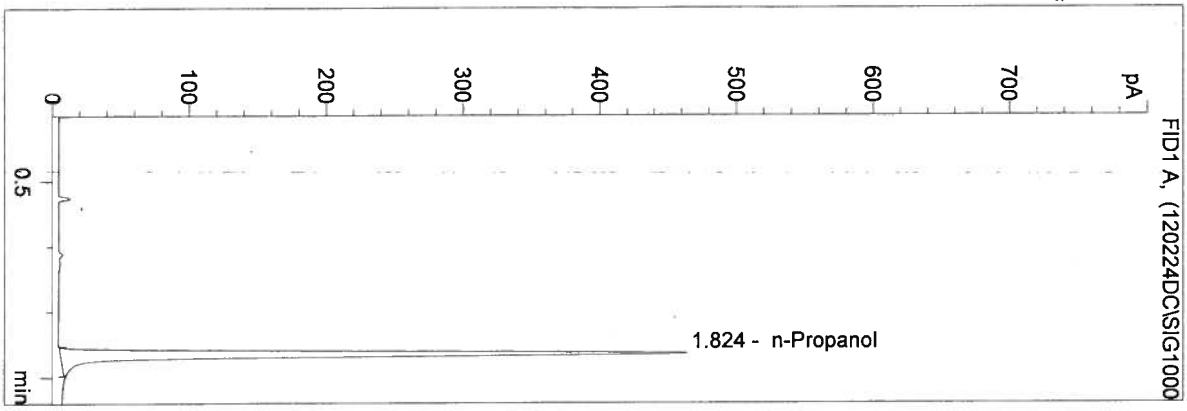
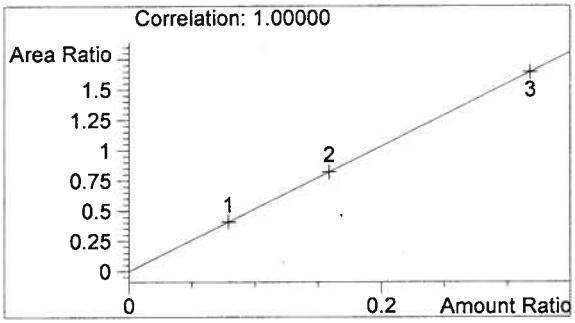
Instrument 3
DB-ALC2

NEG CTRL-DC
Dawn Cox

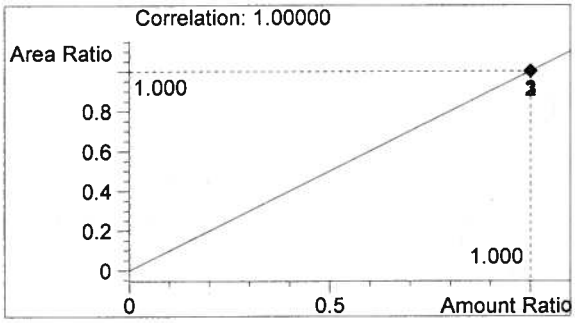
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1270	1.824
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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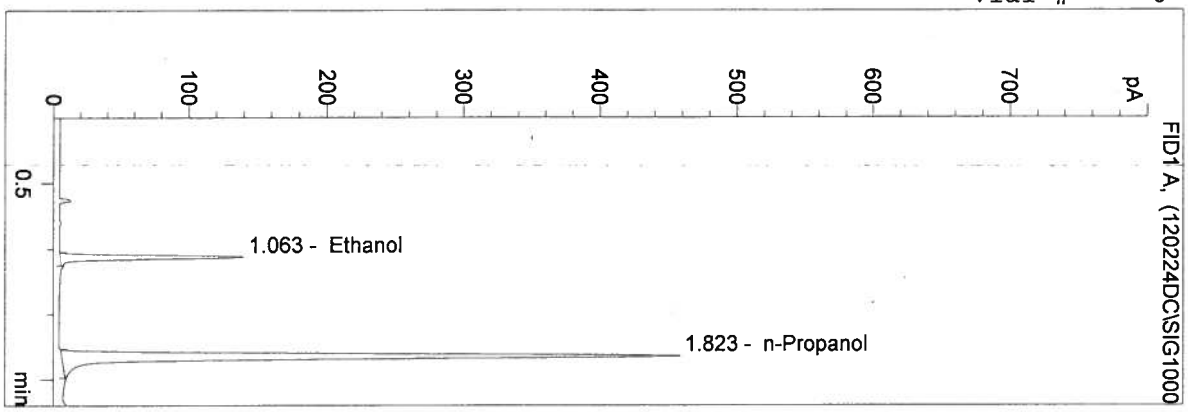
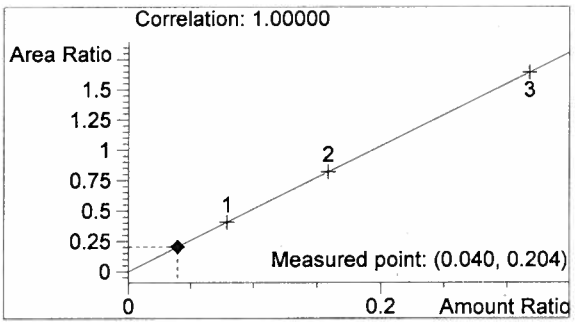
Instrument 3
DB-ALC2

0.04 CTRL-DC
Dawn Cox

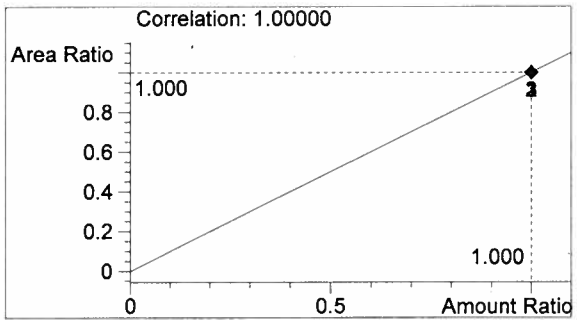
vial # 6



#	Compound	Area	RT
1	Ethanol	255	1.063
2	n-Propanol	1251	1.823
Totals:			



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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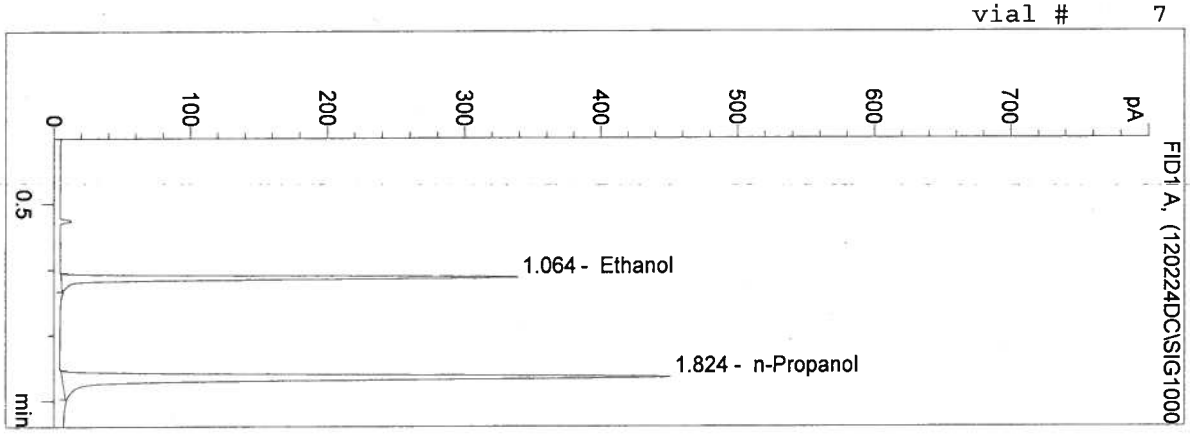
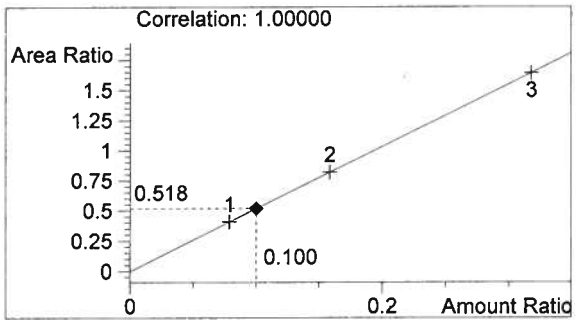
Instrument 3
DB-ALC2

0.10 CTRL-DC
Dawn Cox

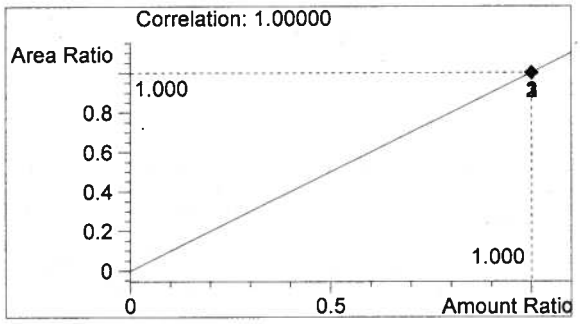
vial # 7



#	Compound	Area	RT
1	Ethanol	636	1.064
2	n-Propanol	1228	1.824
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 3
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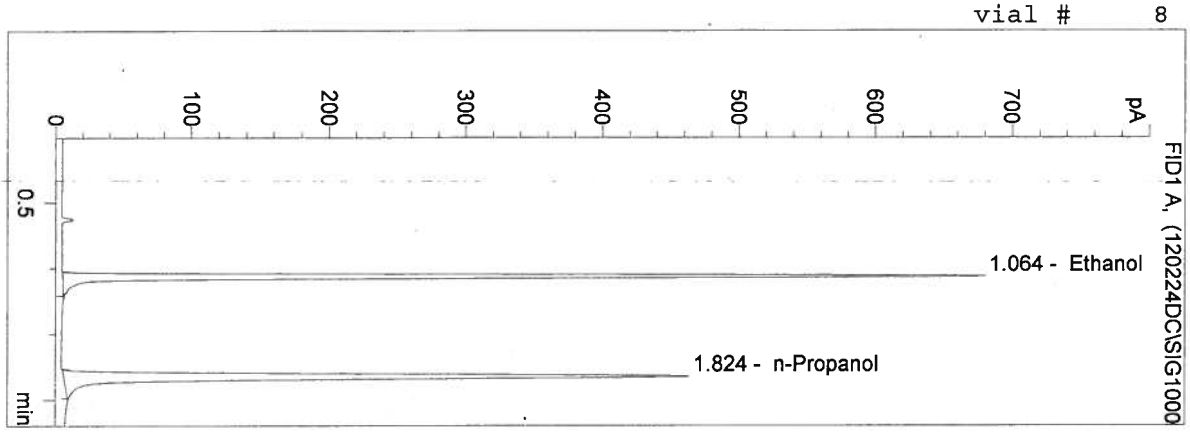
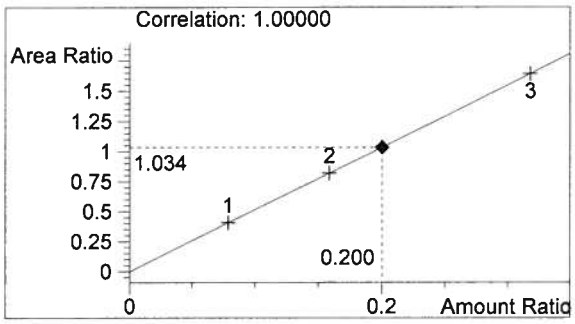
0.20 CTRL-DC
Dawn Cox

vial # 8

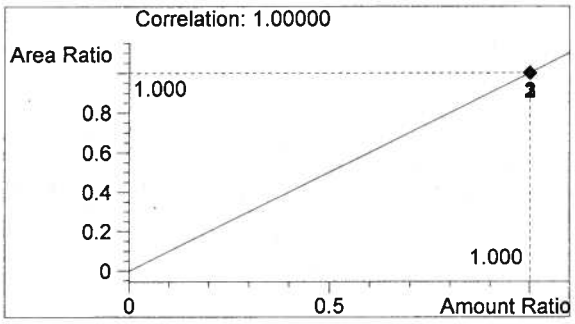


#	Compound	Area	RT
1	Ethanol	1309	1.064
2	n-Propanol	1266	1.824

Totals:



Ethanol 0.200 g/100ml



n-Propanol 1.000 g/100ml

12012

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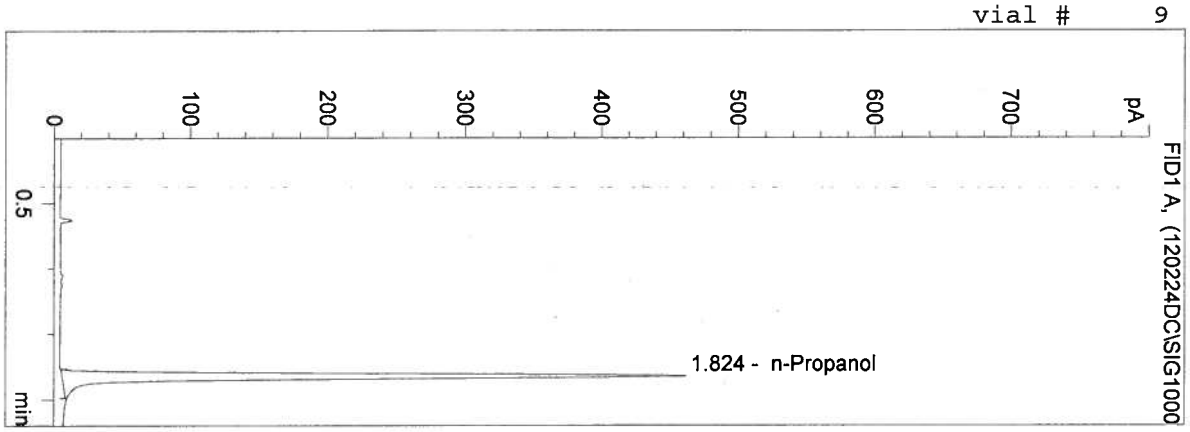
Instrument 3
DB-ALC2

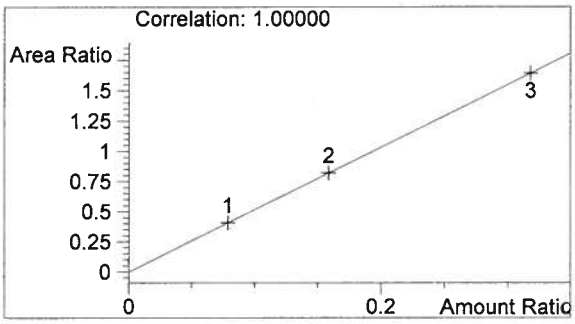
NEG CTRL-DC
Dawn Cox

vial # 9

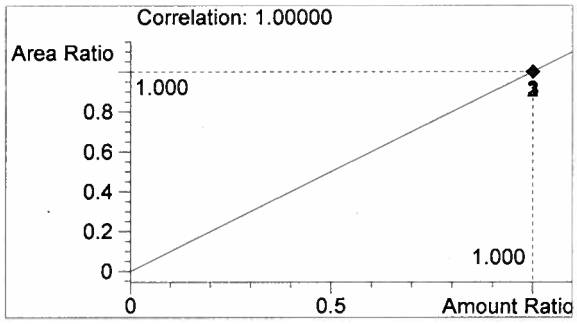


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1265	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

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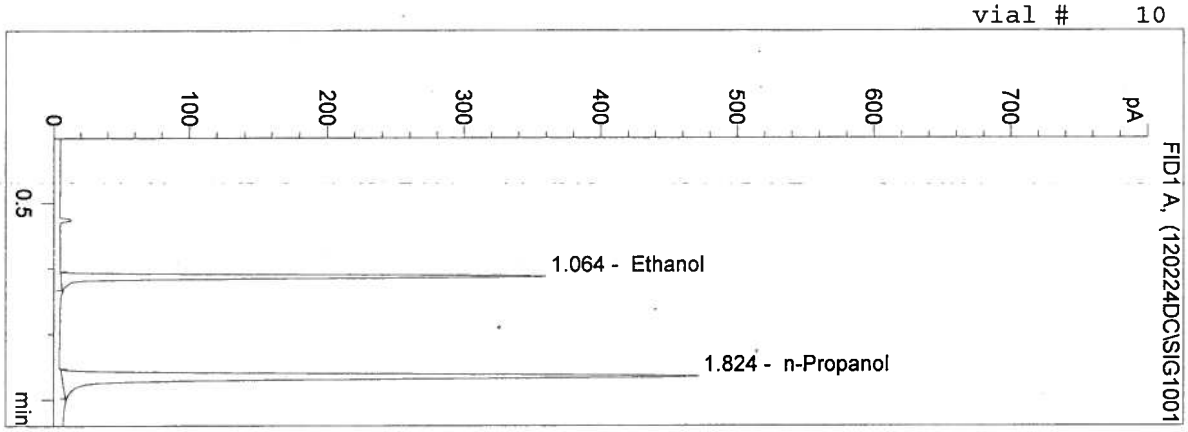
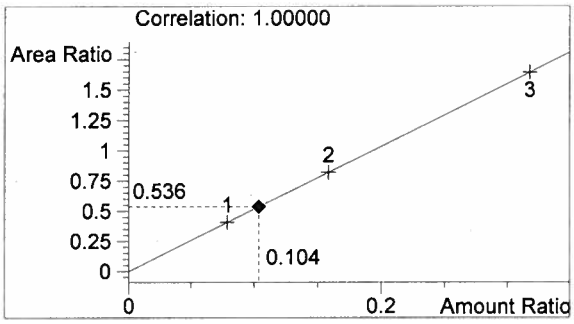
Instrument 3
DB-ALC2

12012 #1
Dawn Cox

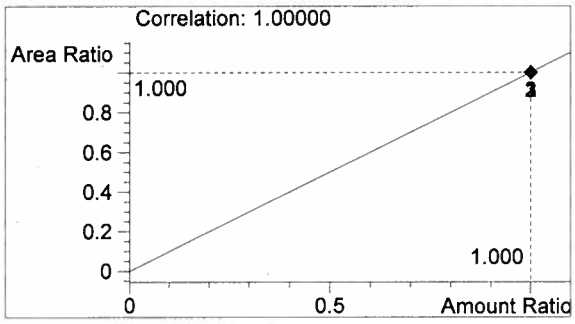
vial # 10



#	Compound	Area	RT
1	Ethanol	694	1.064
2	n-Propanol	1296	1.824
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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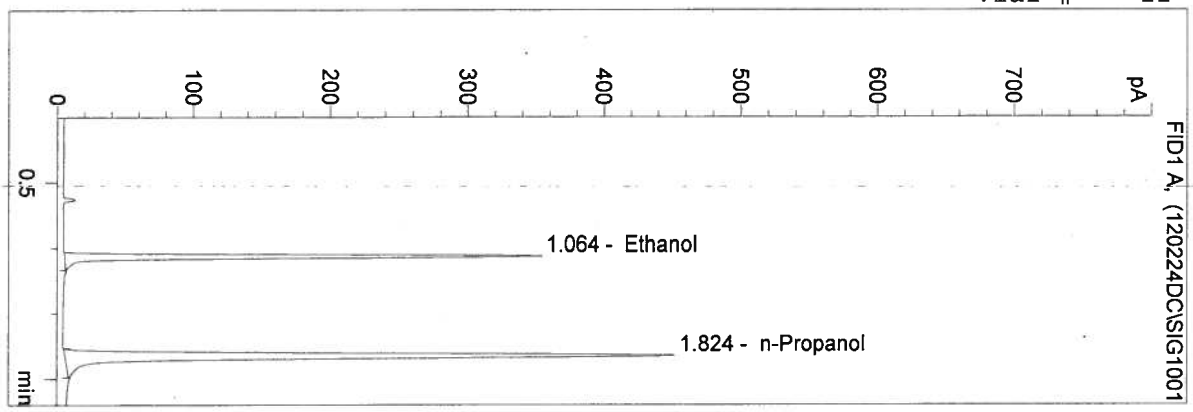
Instrument 3
DB-ALC2

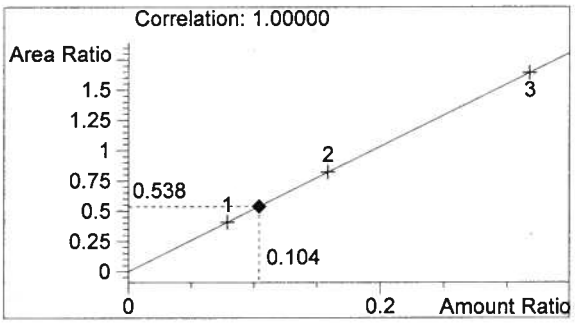
12012 #2
Dawn Cox

vial # 11

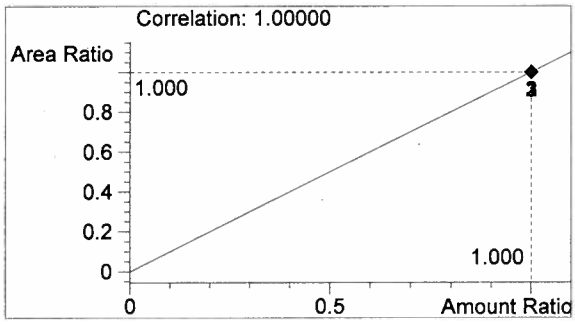


#	Compound	Area	RT
1	Ethanol	663	1.064
2	n-Propanol	1233	1.824

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

DC

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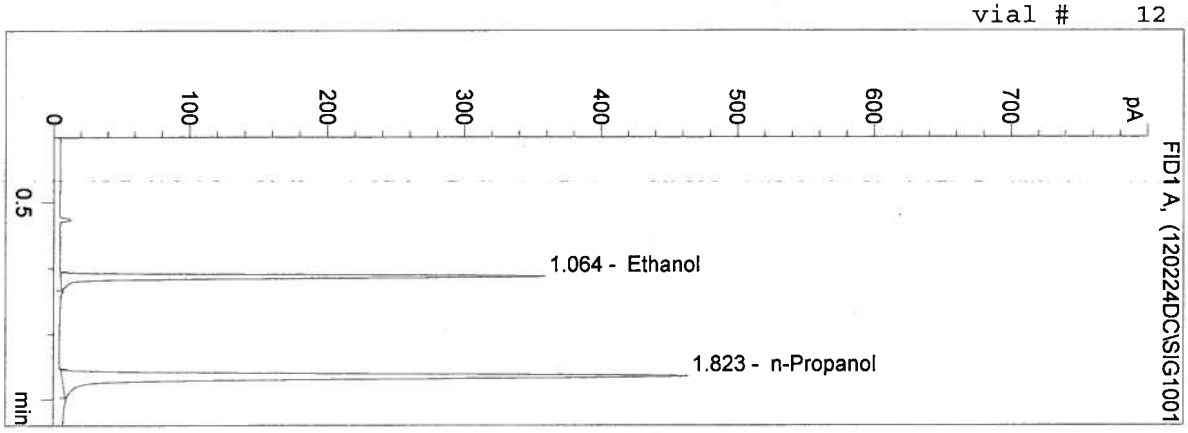
Instrument 3
DB-ALC2

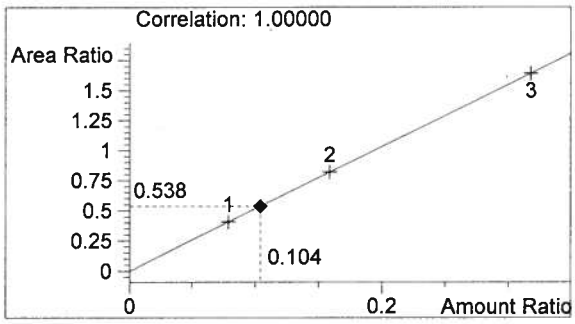
12012 #3
Dawn Cox

vial # 12

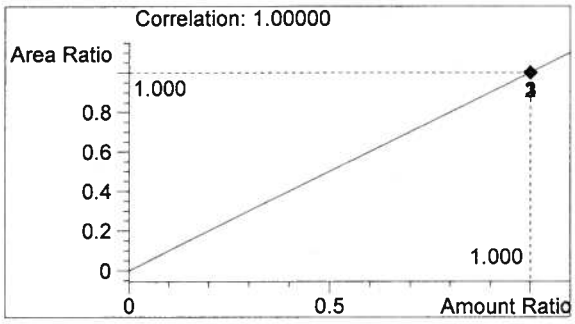


#	Compound	Area	RT
1	Ethanol	683	1.064
2	n-Propanol	1271	1.823

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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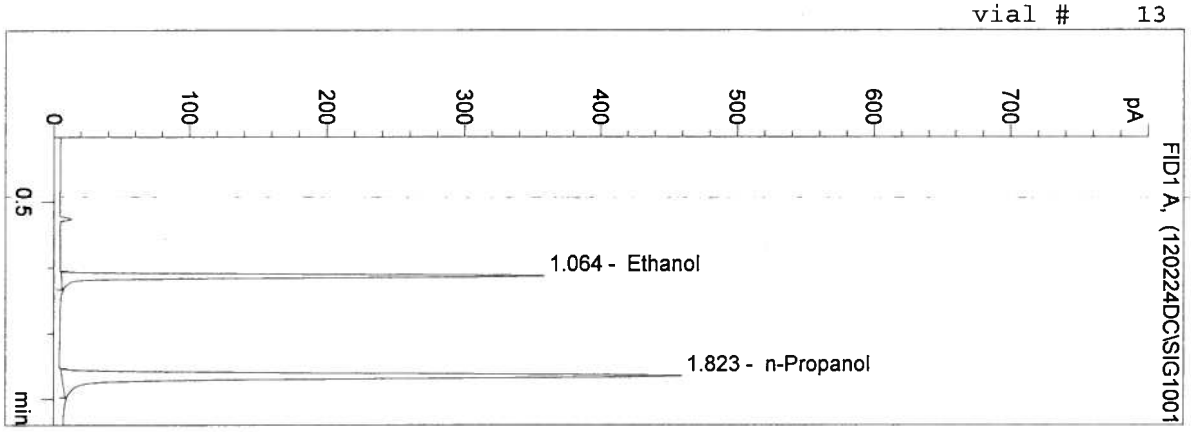
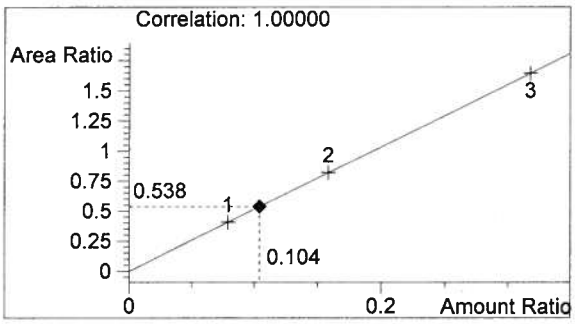
Instrument 3
DB-ALC2

12012 #4
Dawn Cox

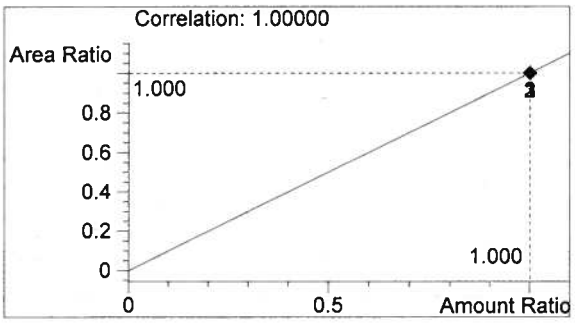
vial # 13



#	Compound	Area	RT
1	Ethanol	677	1.064
2	n-Propanol	1259	1.823
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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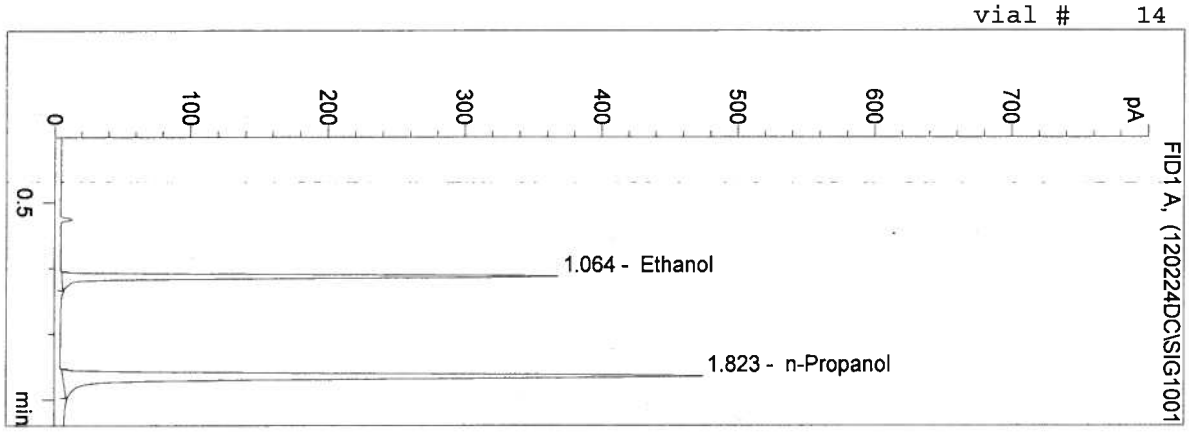
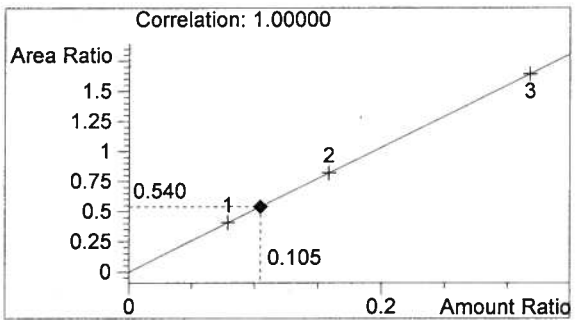
Instrument 3
DB-ALC2

12012 #5
Dawn Cox

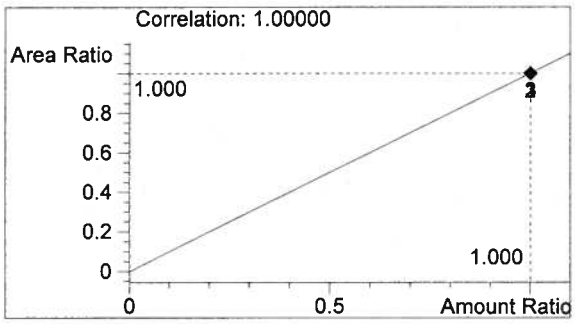
vial # 14



#	Compound	Area	RT
1	Ethanol	700	1.064
2	n-Propanol	1298	1.823
Totals:			



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

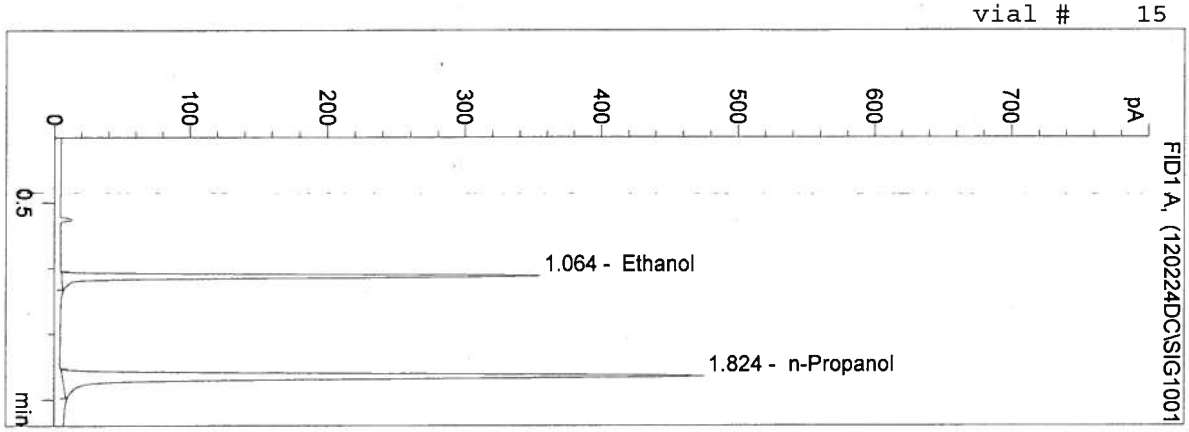
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

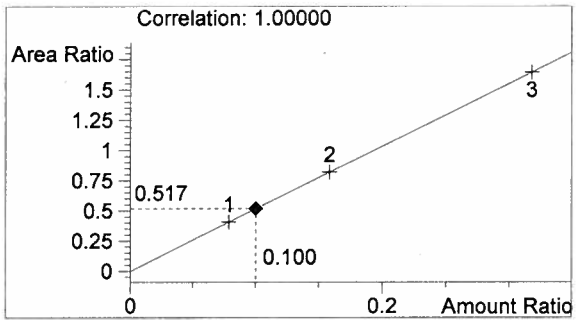
C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 1:30:19 PM
Instrument 3
DB-ALC2

0.10 CTRL-DC
Dawn Cox

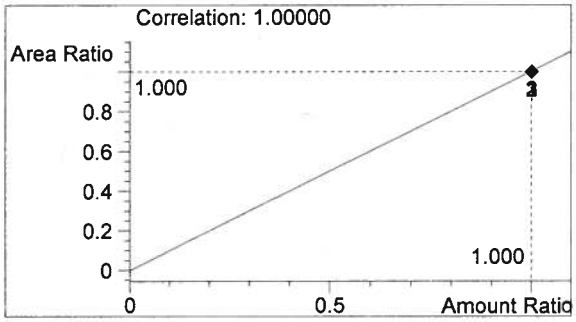
vial # 15



#	Compound	Area	RT
1	Ethanol	673	1.064
2	n-Propanol	1302	1.824
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

12012

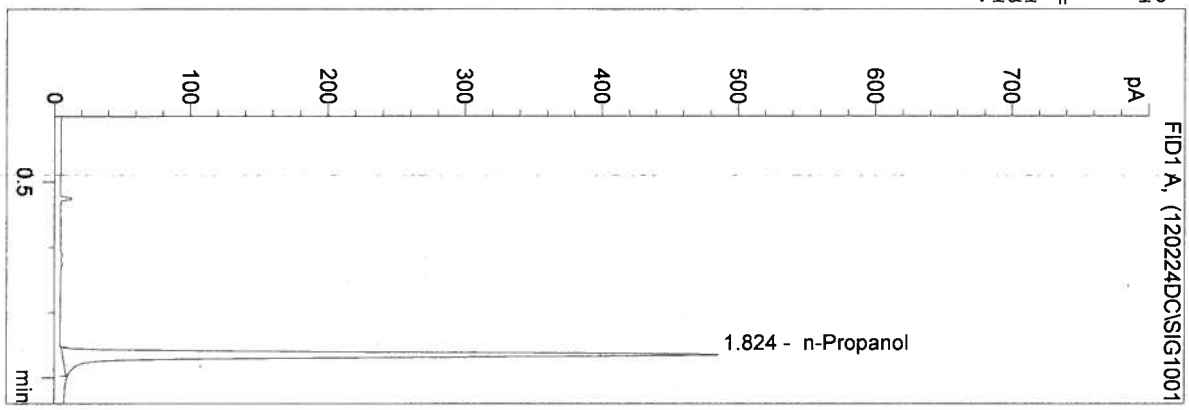
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

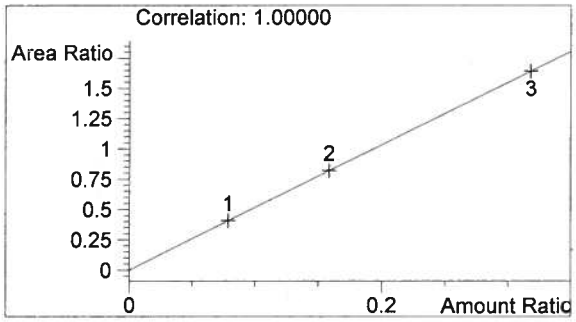
C:\HPCHEM\2\METHODS\SIMALC3.M
2/24/2012 1:33:26 PM
Instrument 3
DB-ALC2

NEG CTRL-DC
Dawn Cox

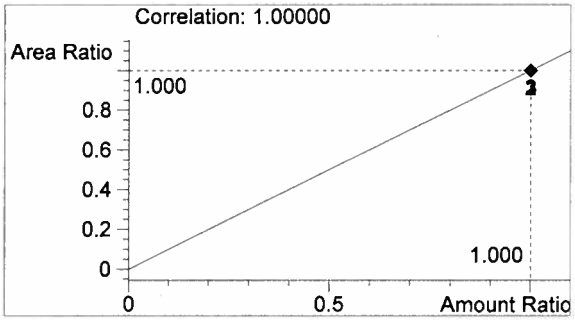
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1333	1.824
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

DC

Sequence Parameters:

Operator:	Brittany Ball
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120227BB
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E0112-01
3	Vial 3	Lot#E0112-02
4	Vial 4	Lot#E0112-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

BB

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Sequence: C:\HPCHEM\2\SEQUENCE\BBSIM3.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-BB	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG Ctrl-BB	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Ctrl-BB	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Ctrl-BB	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Ctrl-BB	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG Ctrl-BB	SIMALC3	1	Ctrl Samp		
10	Vial 10	12012 #1-BB	SIMALC3	1	Sample		
11	Vial 11	12012 #2-BB	SIMALC3	1	Sample		
12	Vial 12	12012 #3-BB	SIMALC3	1	Sample		
13	Vial 13	12012 #4-BB	SIMALC3	1	Sample		
14	Vial 14	12012 #5-BB	SIMALC3	1	Sample		
15	Vial 15	0.10 Ctrl-BB	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG Ctrl-BB	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

BB

12012

Method C:\HPCHEM\2\METHODS\SIMALC3.M

Calibration Table

Calib. Data Modified : Monday, February 27, 2012 9:07:04 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.064	1	1	7.90200e-2	520.79413	1.51730e-4	1		Ethanol
		2	1.58720e-1	1041.10425	1.52454e-4			
		3	3.17800e-1	2068.37573	1.53647e-4			
1.823	1	1	1.00000	1280.19543	7.81131e-4	I1		n-Propanol
		2	1.00000	1268.75549	7.88174e-4			
		3	1.00000	1271.69763	7.86350e-4			

BB

Peak Sum Table

No Entries in table

12012

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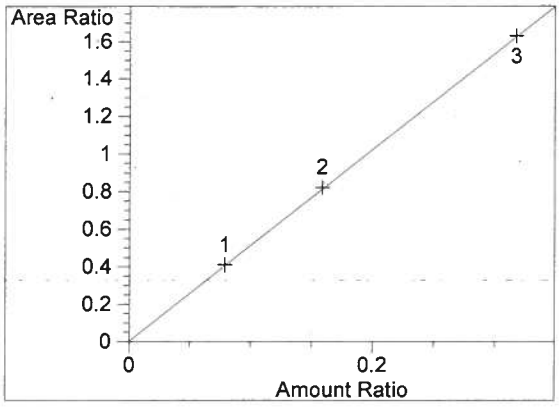
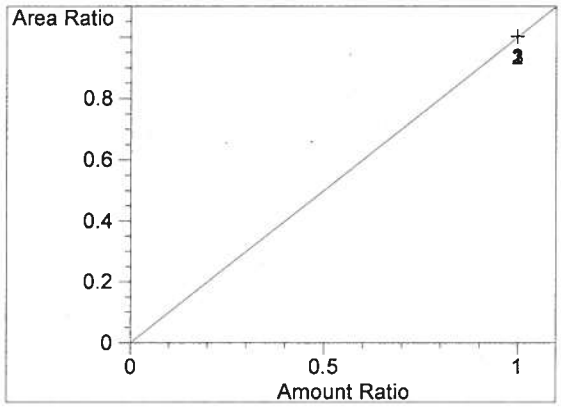
Calibration Curves

==========



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00477
Formula: y = mx + b
m: 5.11827
b: 2.61079e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.823
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

BB

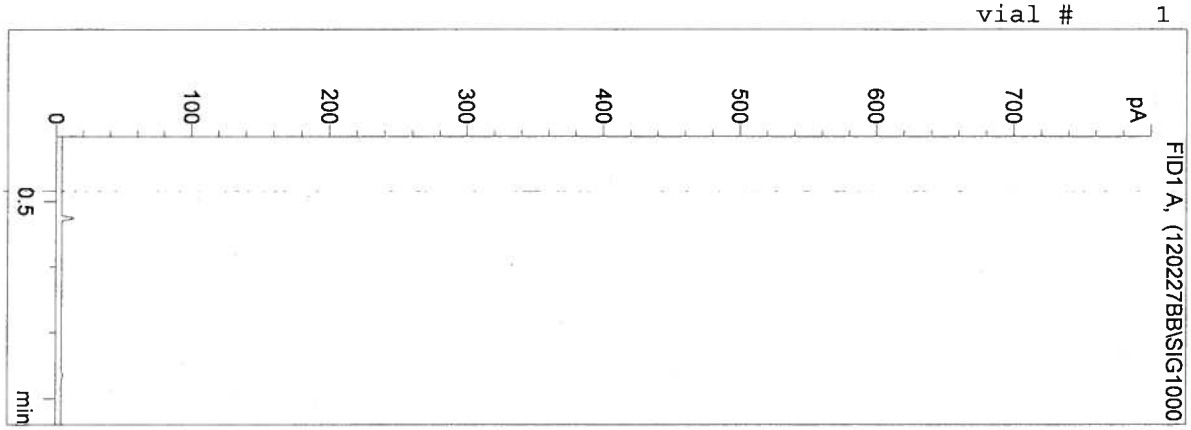
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

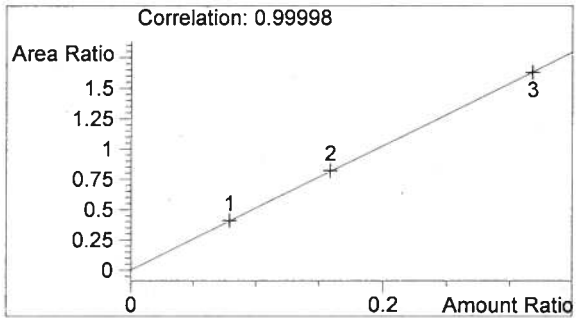
C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 8:55:30 AM
Instrument 3
DB-ALC2

BLANK-BB
Brittany Ball

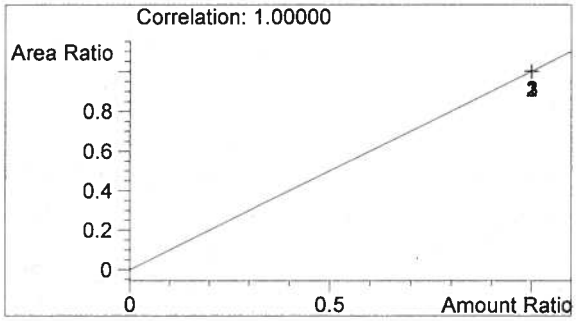
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

BB

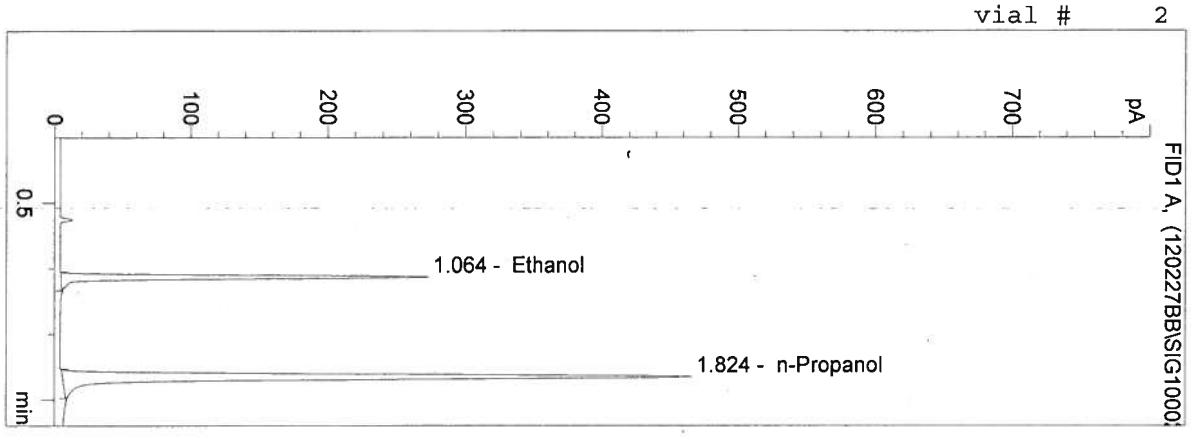
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

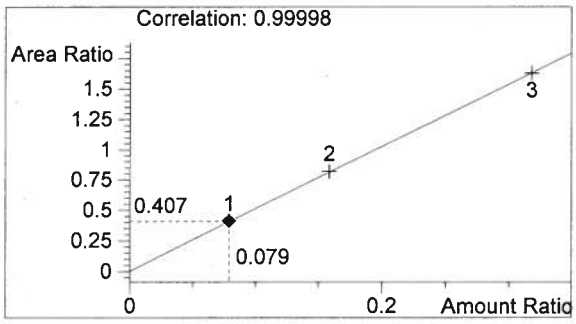
C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 8:58:37 AM
Instrument 3
DB-ALC2

0.079 CAL 1
Brittany Ball

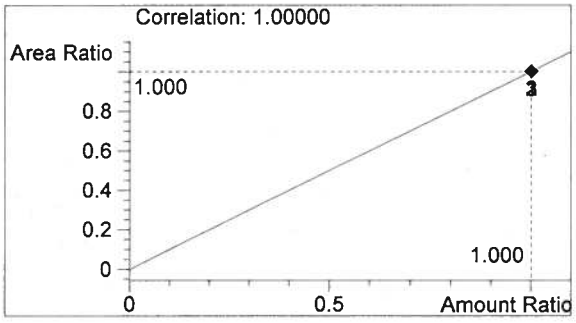
vial # 2



#	Compound	Area	RT
1	Ethanol	521	1.064
2	n-Propanol	1280	1.824
Totals:			



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

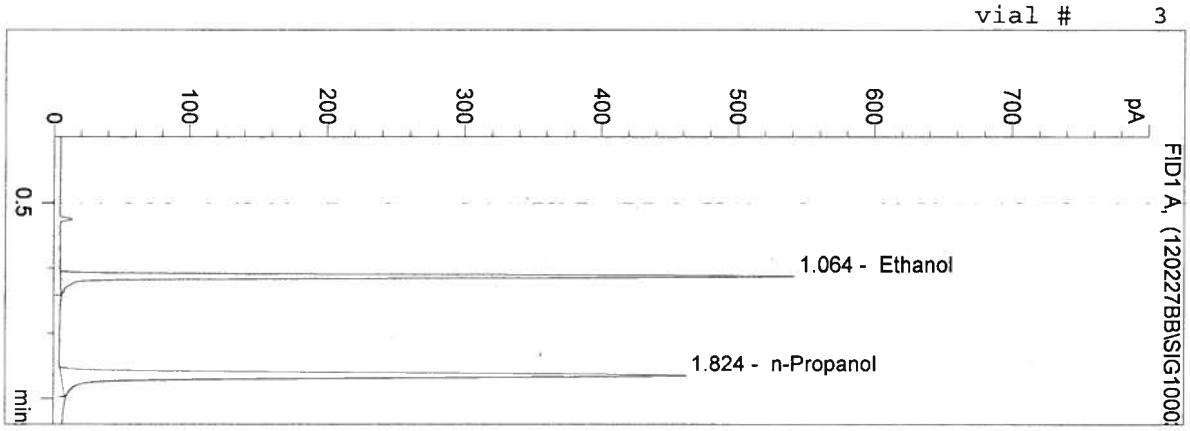
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:01:44 AM
Instrument 3
DB-ALC2

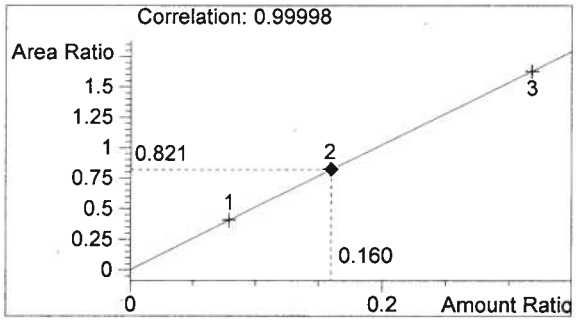
0.158 CAL 2
Brittany Ball

vial # 3

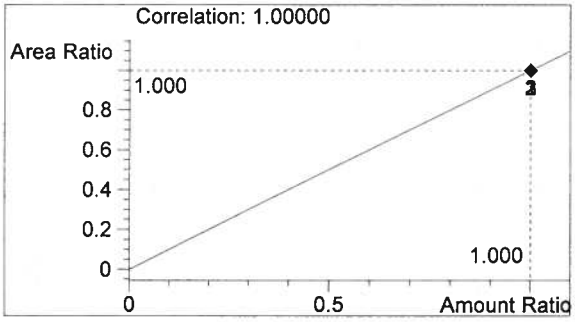


#	Compound	Area	RT
1	Ethanol	1041	1.064
2	n-Propanol	1269	1.824

Totals:



Ethanol 0.160 g/100ml



n-Propanol 1.000 g/100ml

BB

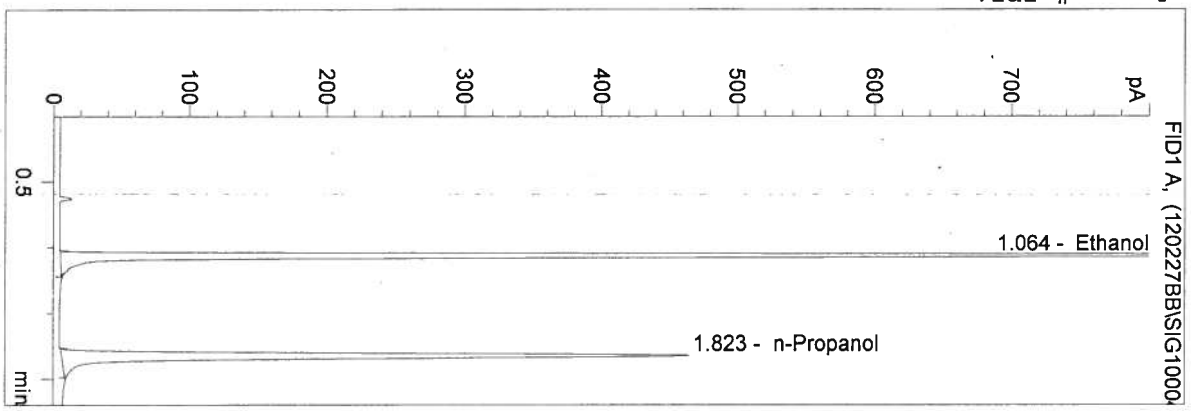
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

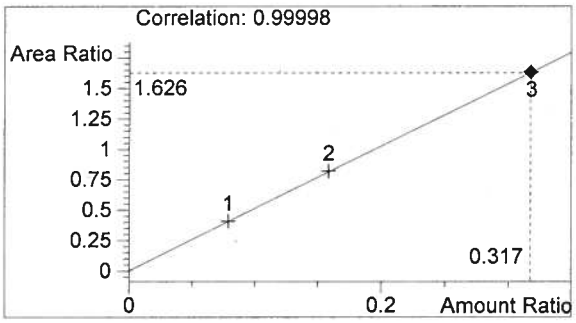
C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:04:52 AM
Instrument 3
DB-ALC2

0.316 CAL 3
Brittany Ball

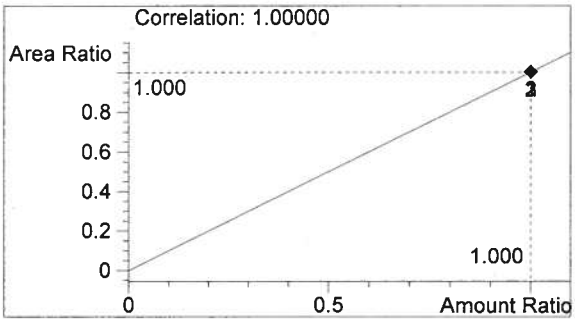
vial # 4



#	Compound	Area	RT
1	Ethanol	2068	1.064
2	n-Propanol	1272	1.823
Totals:			



Ethanol 0.317 g/100ml



n-Propanol 1.000 g/100ml

BB

12012

WASHINGTON STATE TOXICOLOGY LABORATORY

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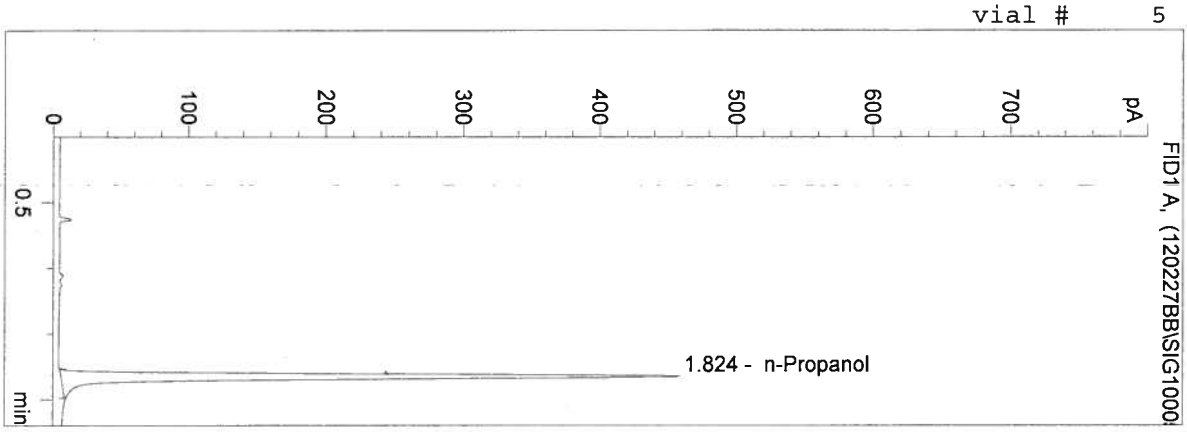
2/27/2012 9:07:59 AM
Instrument 3
DB-ALC2

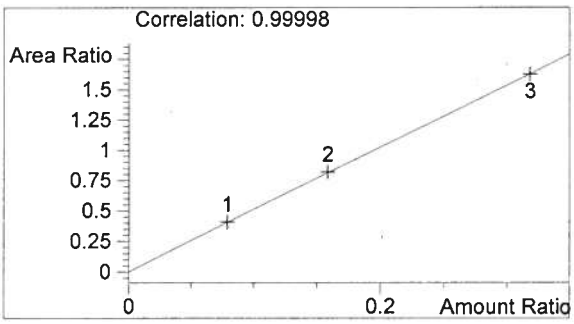
NEG Ctrl-BB
Brittany Ball

vial # 5

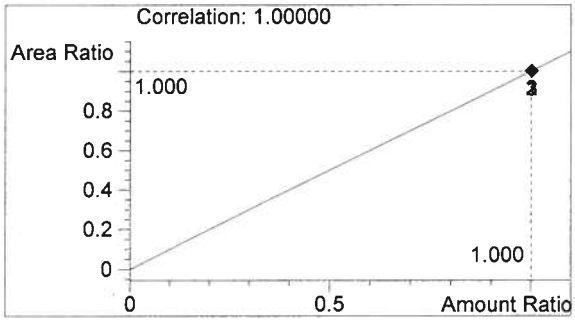


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1258	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

BB

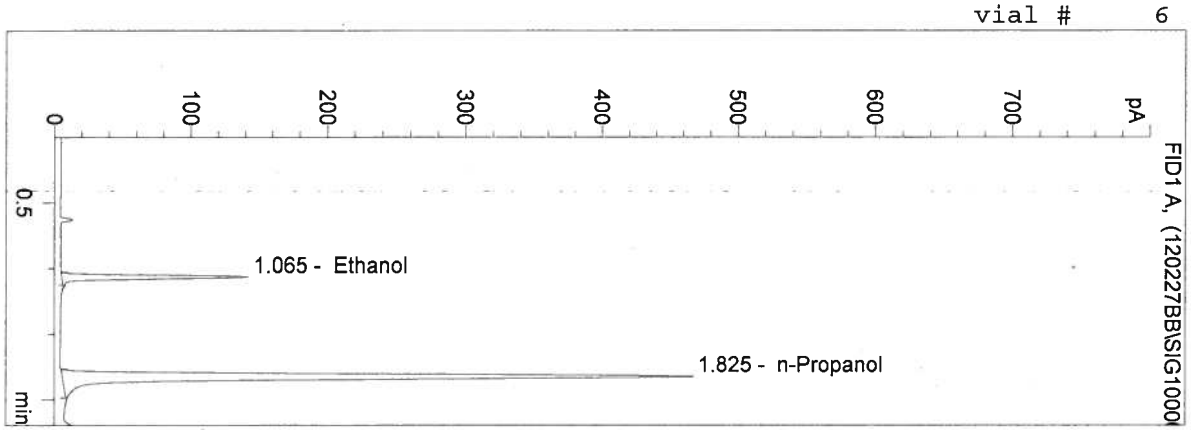
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:11:06 AM
Instrument 3
DB-ALC2

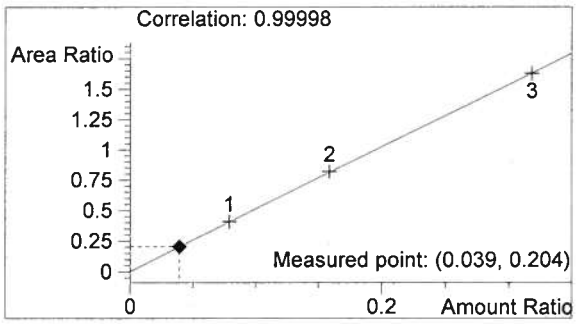
0.04 Ctrl-BB
Brittany Ball

vial # 6

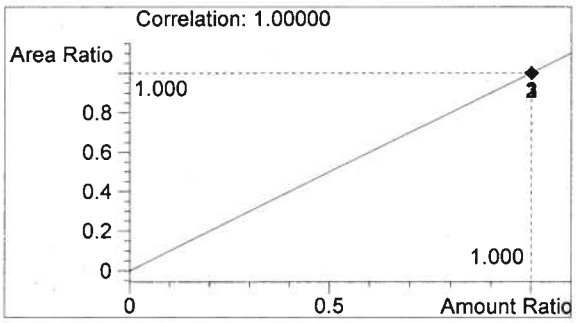


#	Compound	Area	RT
1	Ethanol	263	1.065
2	n-Propanol	1286	1.825

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

BB

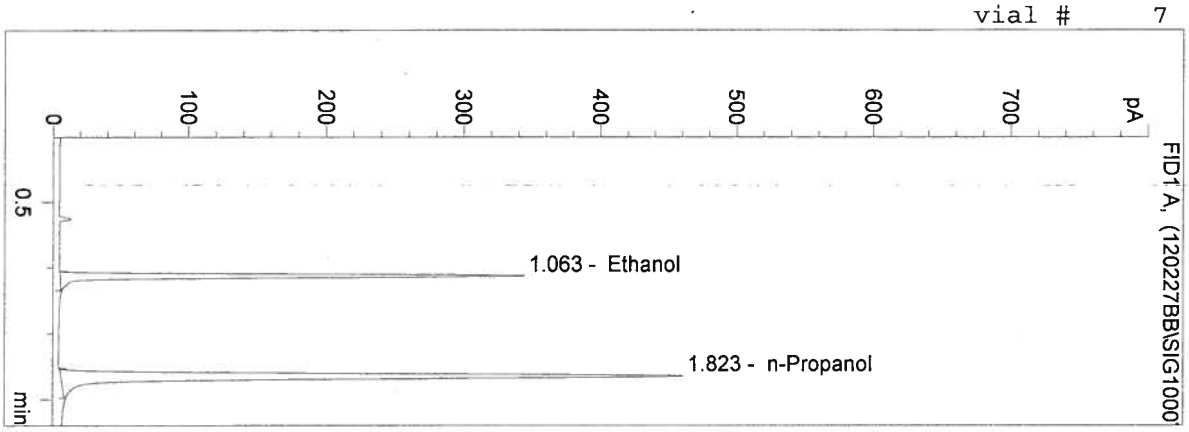
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:14:13 AM
Instrument 3
DB-ALC2

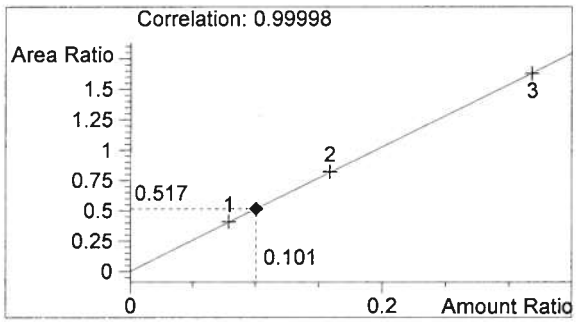
0.10 Ctrl-BB
Brittany Ball

vial # 7

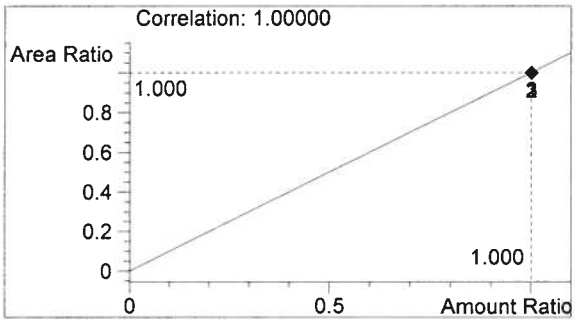


#	Compound	Area	RT
1	Ethanol	653	1.063
2	n-Propanol	1263	1.823

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

BB

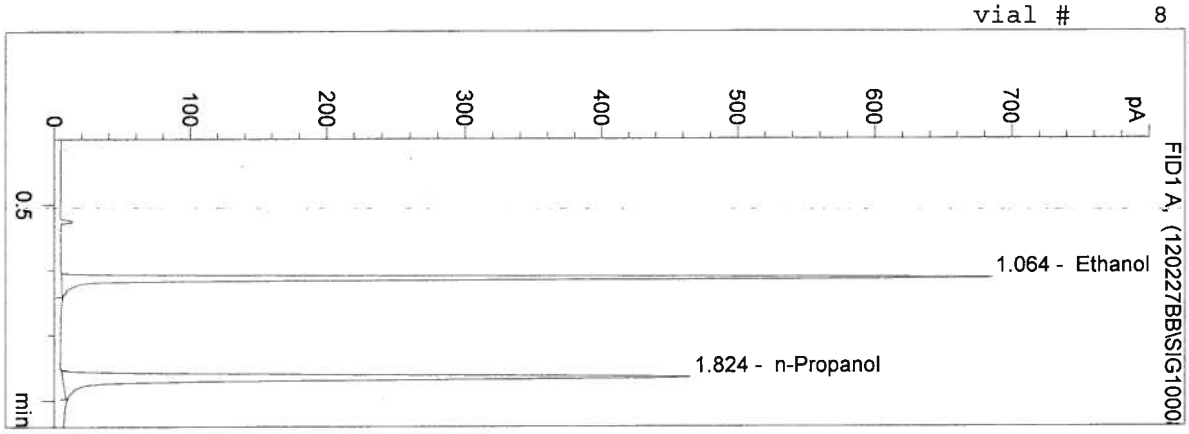
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:17:21 AM
Instrument 3
DB-ALC2

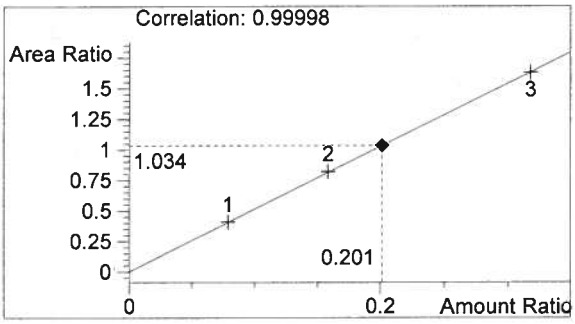
0.20 Ctrl-BB
Brittany Ball

vial # 8

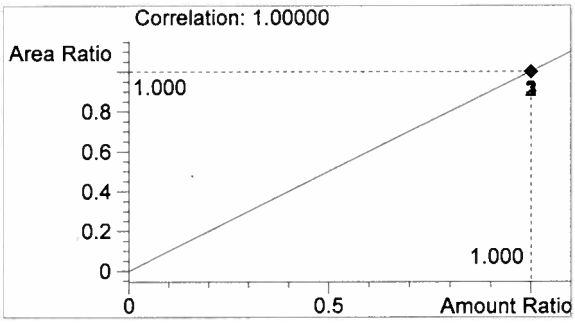


#	Compound	Area	RT
1	Ethanol	1320	1.064
2	n-Propanol	1277	1.824

Totals:



Ethanol 0.201 g/100ml



n-Propanol 1.000 g/100ml

BB

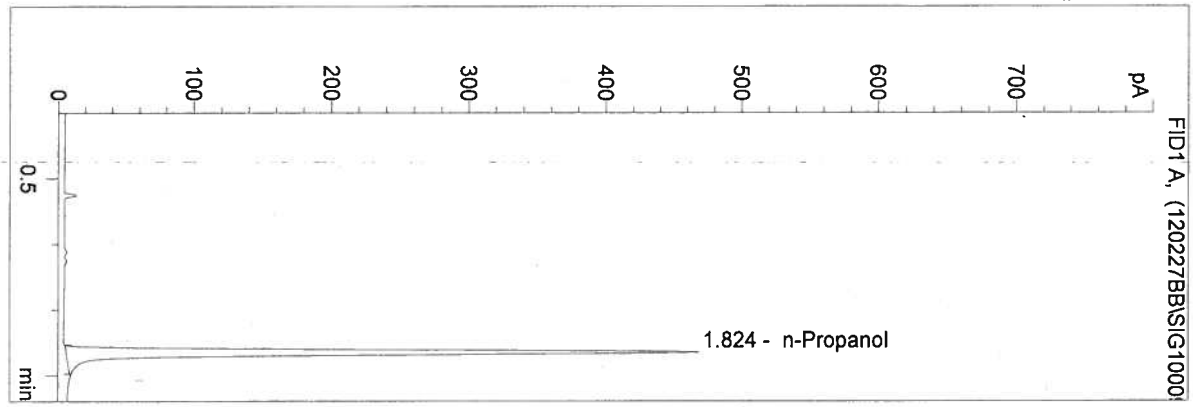
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:20:28 AM
Instrument 3
DB-ALC2

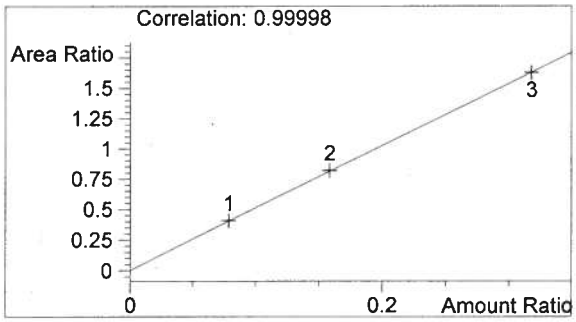
NEG Ctrl-BB
Brittany Ball

vial # 9

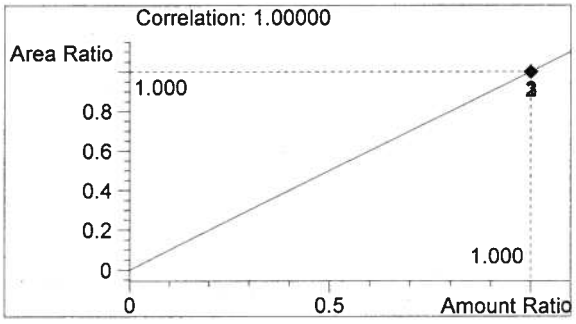


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1287	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

BB

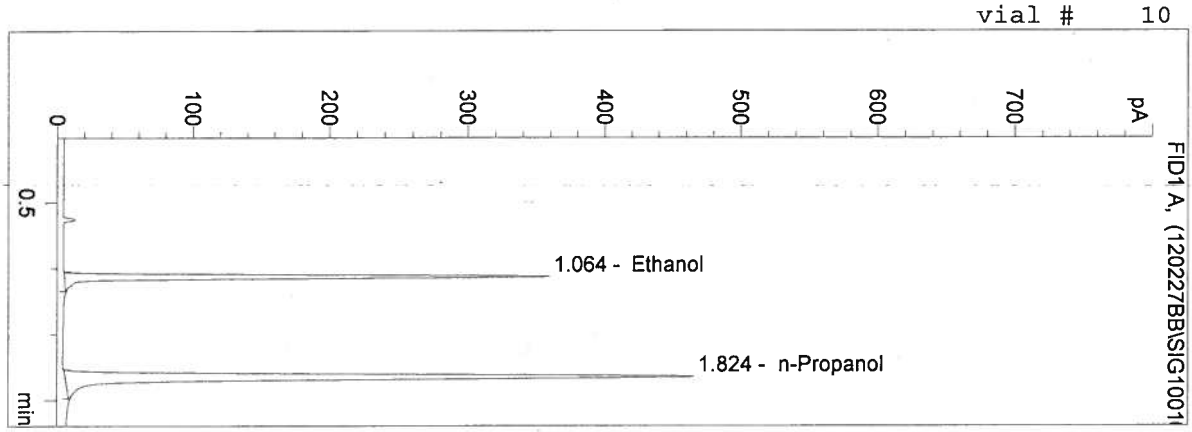
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:23:35 AM
Instrument 3
DB-ALC2

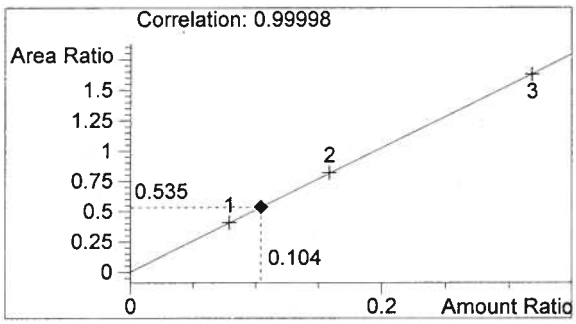
12012 #1-BB
Brittany Ball

vial # 10

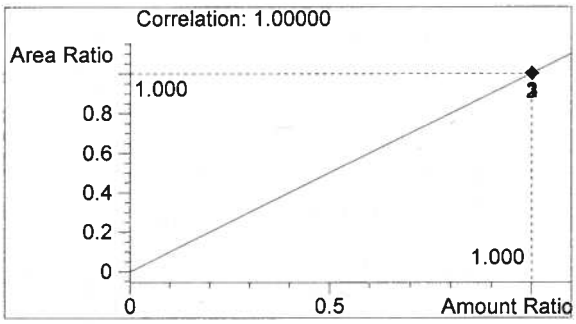


#	Compound	Area	RT
1	Ethanol	684	1.064
2	n-Propanol	1278	1.824

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

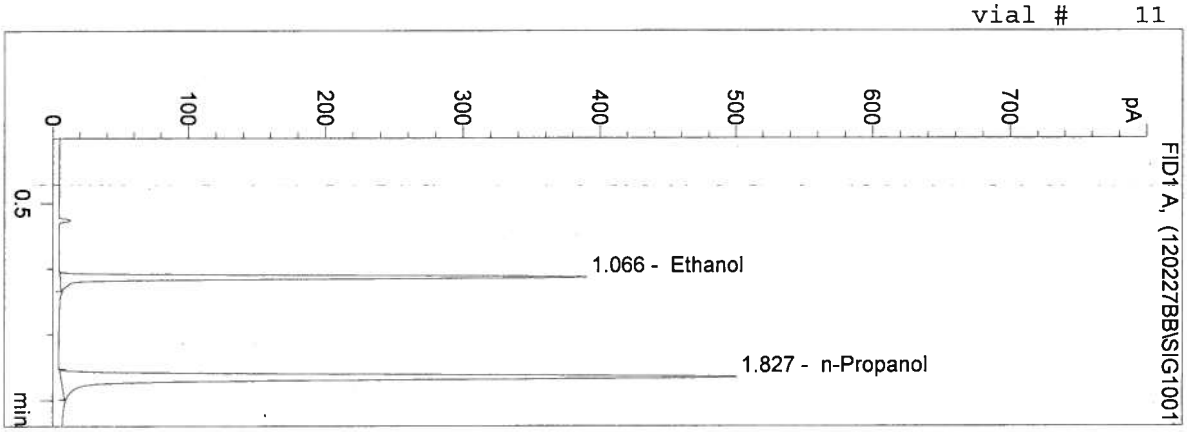
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:26:43 AM
Instrument 3
DB-ALC2

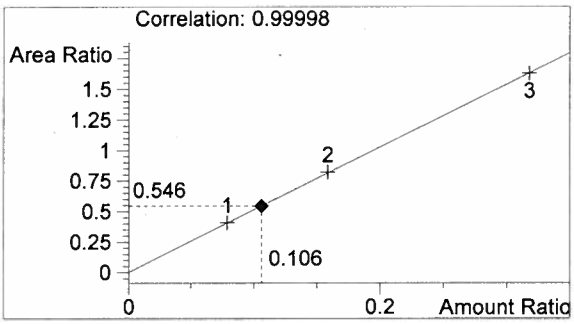
12012 #2-BB
Brittany Ball

vial # 11

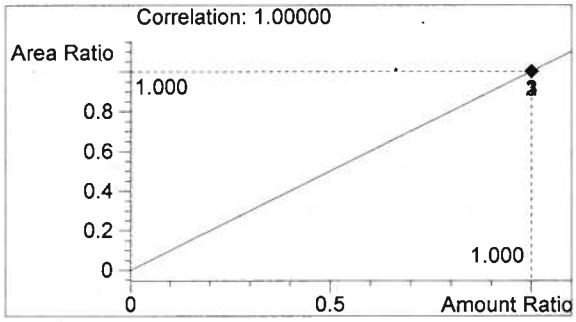


#	Compound	Area	RT
1	Ethanol	753	1.066
2	n-Propanol	1380	1.827

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

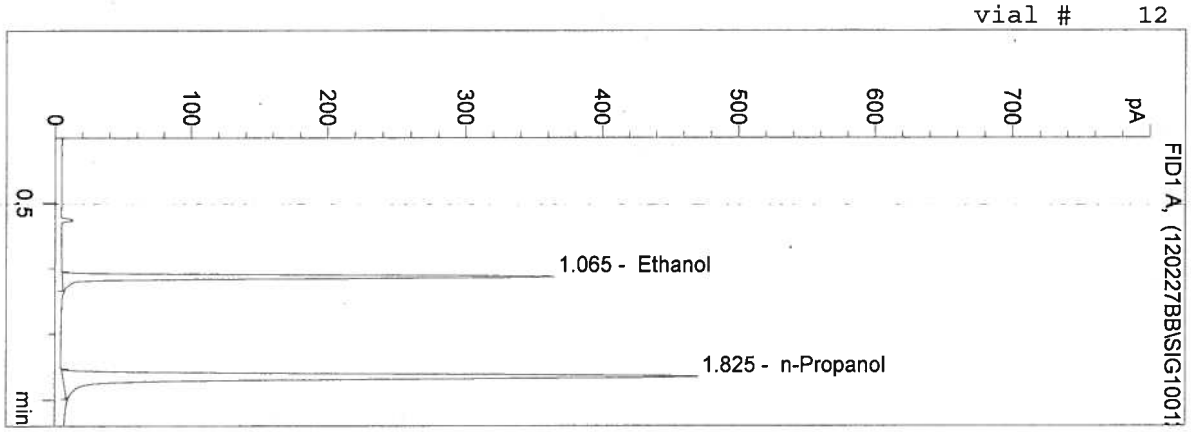
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

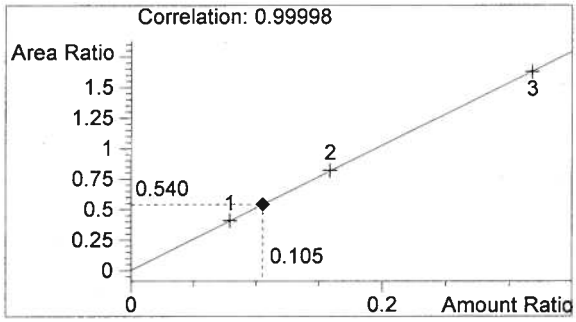
C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:29:50 AM
Instrument 3
DB-ALC2

12012 #3-BB
Brittany Ball

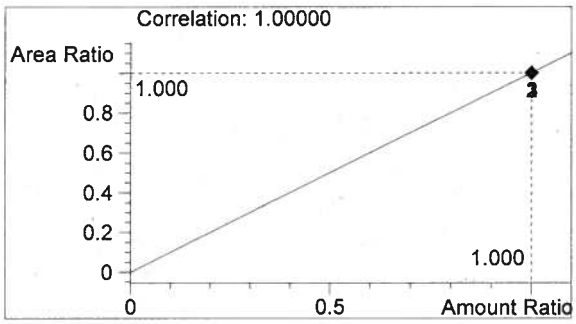
vial # 12



#	Compound	Area	RT
1	Ethanol	700	1.065
2	n-Propanol	1296	1.825
Totals:			



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

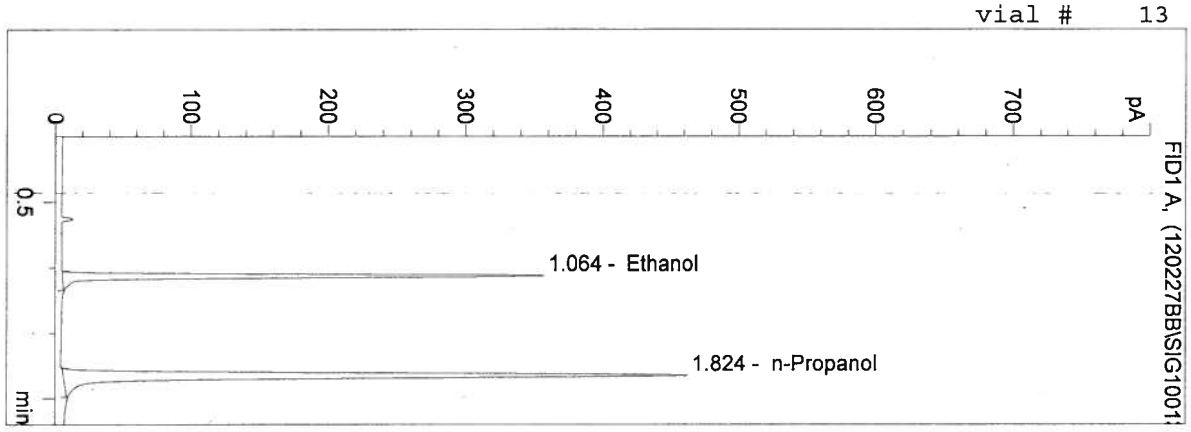
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:32:57 AM
Instrument 3
DB-ALC2

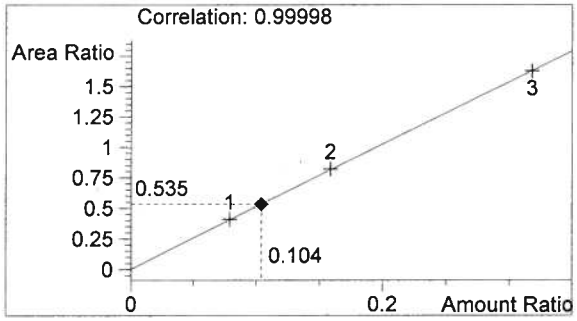
12012 #4-BB
Brittany Ball

vial # 13

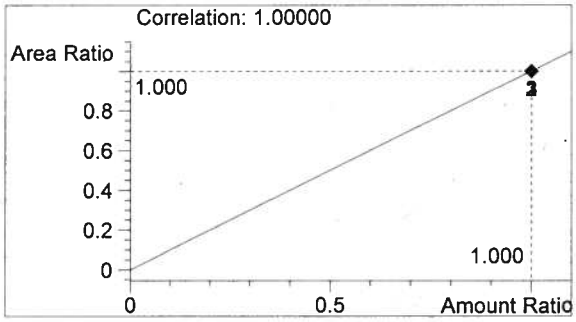


#	Compound	Area	RT
1	Ethanol	680	1.064
2	n-Propanol	1270	1.824

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

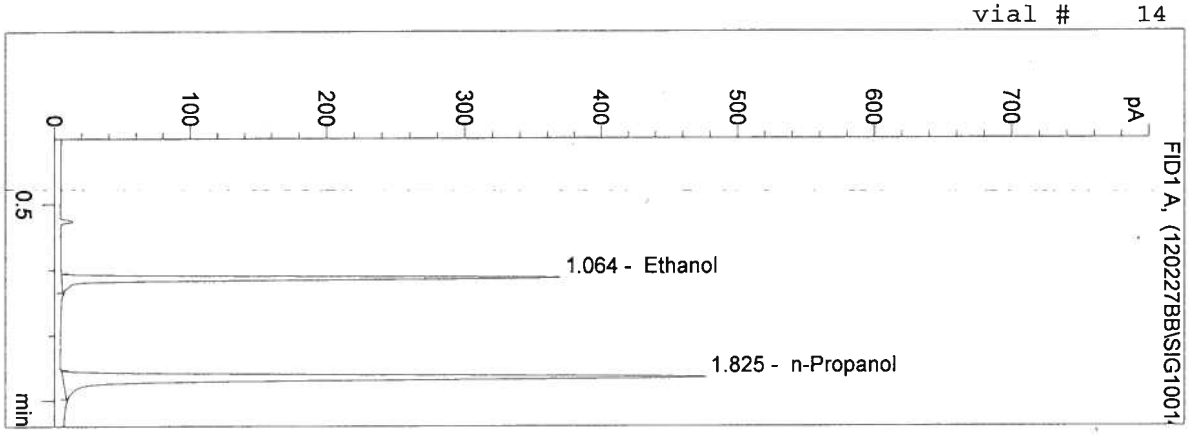
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:36:04 AM
Instrument 3
DB-ALC2

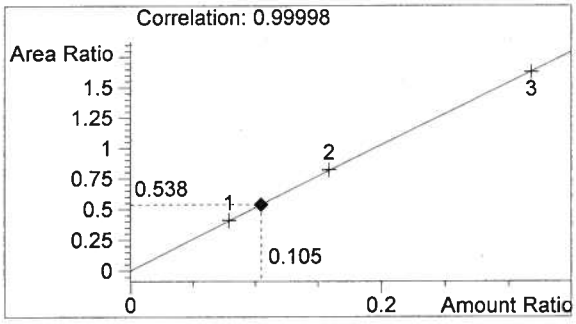
12012 #5-BB
Brittany Ball

vial # 14



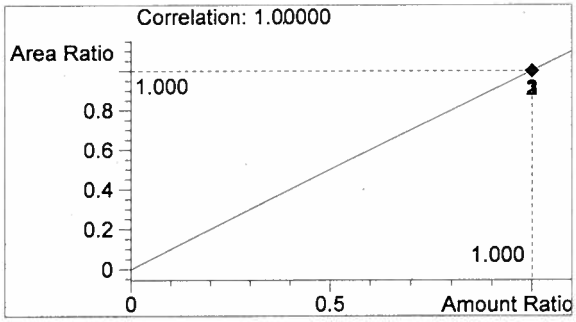
#	Compound	Area	RT
1	Ethanol	705	1.064
2	n-Propanol	1309	1.825

Totals:



Ethanol 0.105 g/100ml

BB



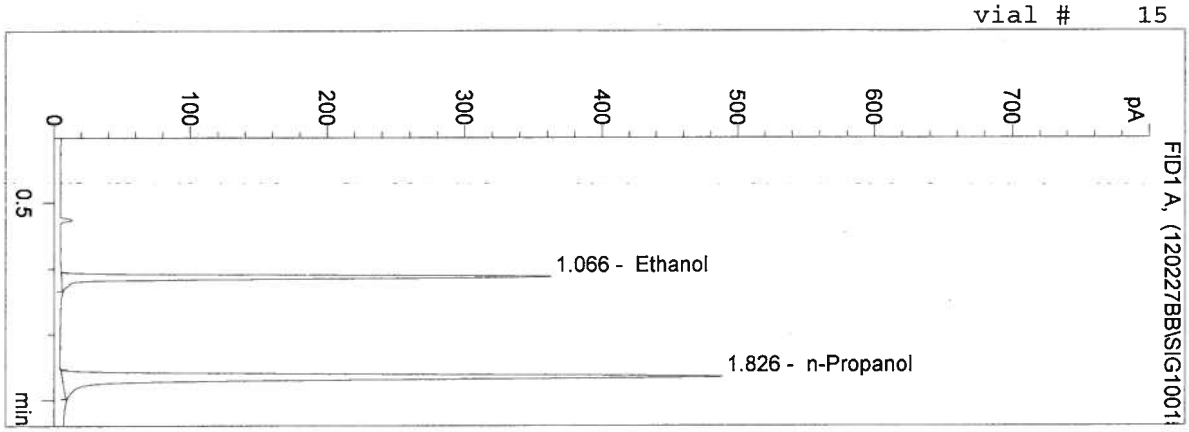
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

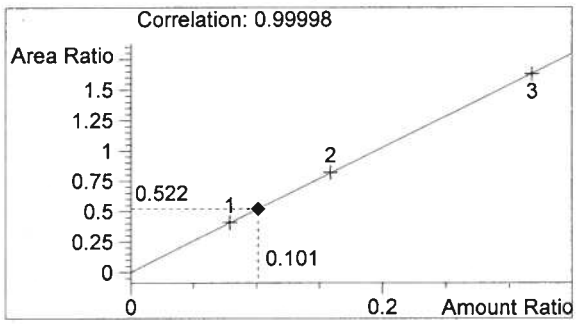
C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:39:12 AM
Instrument 3
DB-ALC2

0.10 Ctrl-BB
Brittany Ball

vial # 15

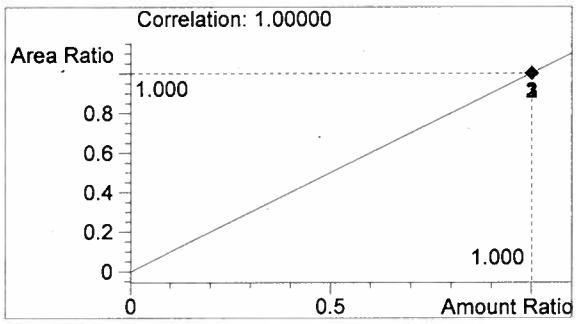


#	Compound	Area	RT
1	Ethanol	702	1.066
2	n-Propanol	1345	1.826
Totals:			



Ethanol 0.101 g/100ml

BB



n-Propanol 1.000 g/100ml

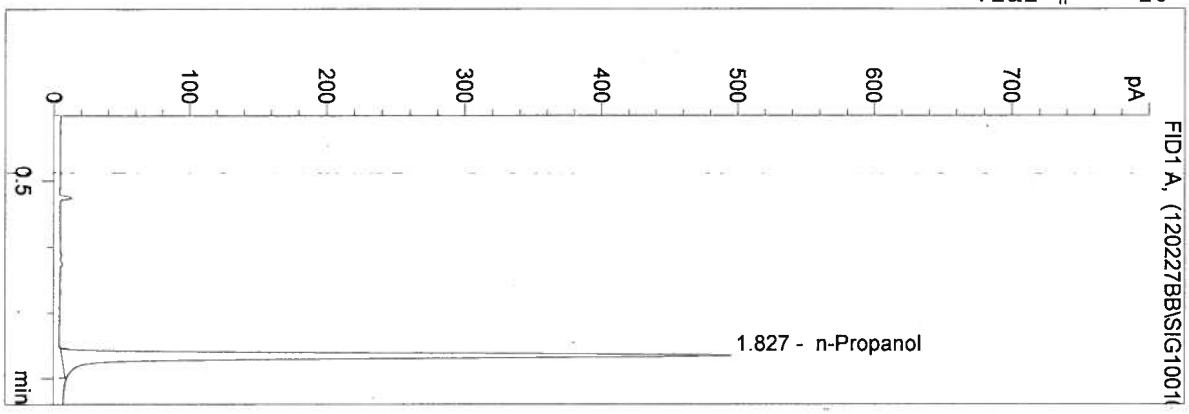
12012

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/27/2012 9:42:19 AM
Instrument 3
DB-ALC2

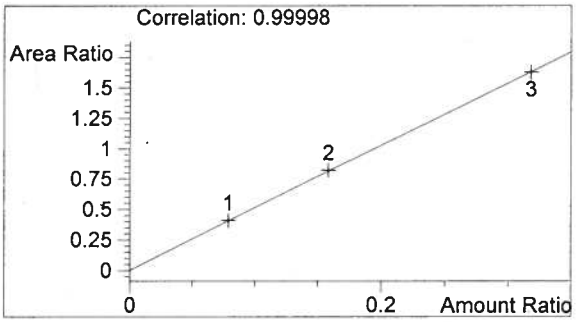
NEG Ctrl-BB
Brittany Ball

vial # 16



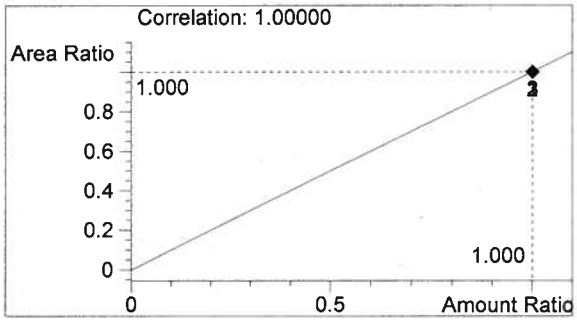
#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1363	1.827

Totals:



Ethanol 0.000 g/100ml

BB



n-Propanol 1.000 g/100ml

12012

Sequence: C:\HPCHEM\2\SEQUENCE\BOEXSTD.S

Sequence Parameters:

Operator:	Brianne E. O'Reilly
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120228BO
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot:E0112-01
3	Vial 3	Lot:E0112-02
4	Vial 4	Lot:E0112-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

12012

BEO

Sequence: C:\HPCHEM\2\SEQUENCE\BOEXSTD.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CONTROL-BO	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-BO	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-BO	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-BO	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-BO	SIMALC3	1	Ctrl Samp		
10	Vial 10	12012 #1	SIMALC3	1	Sample		
11	Vial 11	12012 #2	SIMALC3	1	Sample		
12	Vial 12	12012 #3	SIMALC3	1	Sample		
13	Vial 13	12012 #4	SIMALC3	1	Sample		
14	Vial 14	12012 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CONTROL-BO	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-BO	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12012

BWD

Method C:\HPCHEM\2\METHODS\SIMALC3.M

Calibration Table

Calib. Data Modified : Tuesday, February 28, 2012 1:03:15 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.065	1	1	7.90200e-2	522.44226	1.51251e-4	1		Ethanol
		2	1.58720e-1	1041.77271	1.52356e-4			
		3	3.17800e-1	2143.52490	1.48260e-4			
1.824	1	1	1.00000	1274.37646	7.84697e-4	I1		n-Propanol
		2	1.00000	1271.22827	7.86641e-4			
		3	1.00000	1298.47021	7.70137e-4			

Peak Sum Table

No Entries in table

12012

BEO

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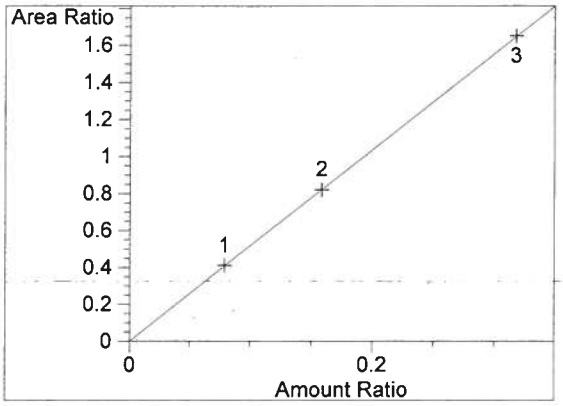
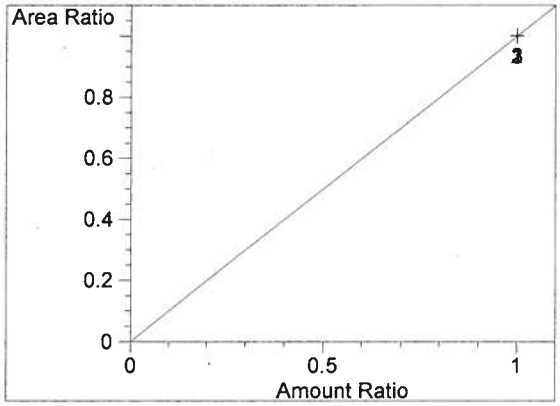
Calibration Curves

==========



Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00295
Formula: y = mx + b
m: 5.19326
b: -1.19832e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.824
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

12012

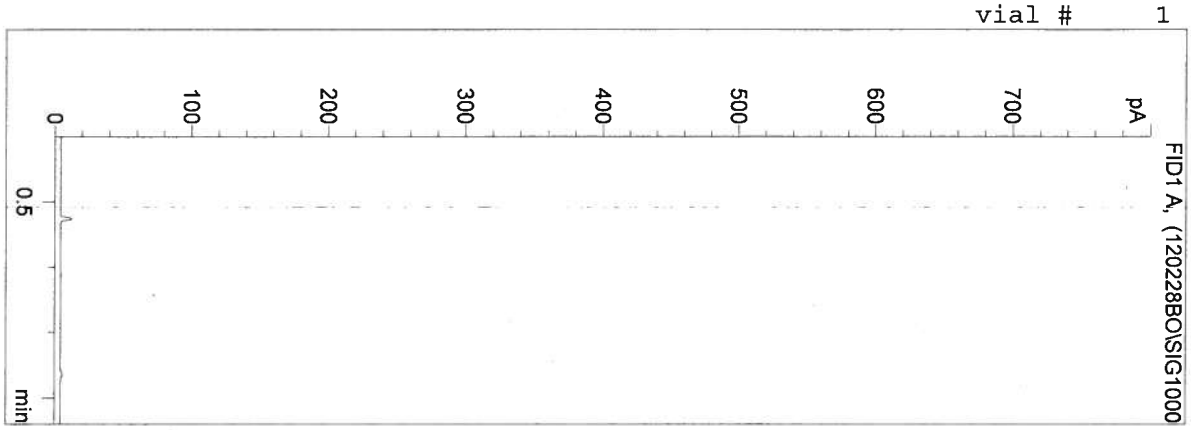
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

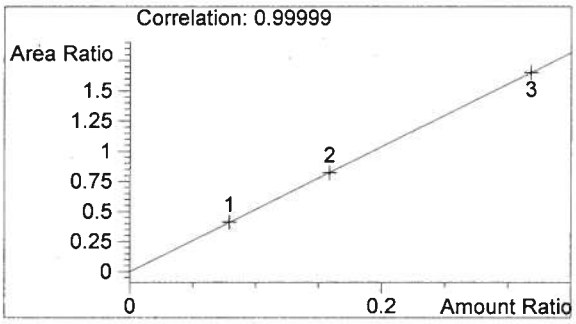
C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 12:51:41 PM
Instrument 3
DB-ALC2

BLANK
Brianne E. O'Reilly

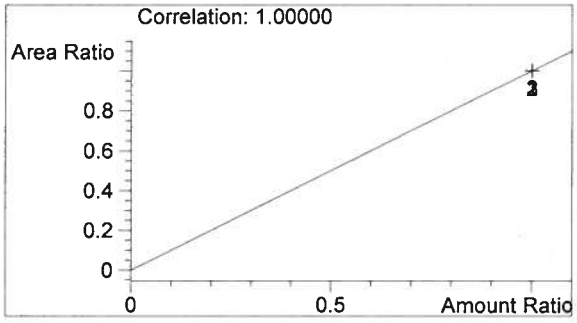
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12012

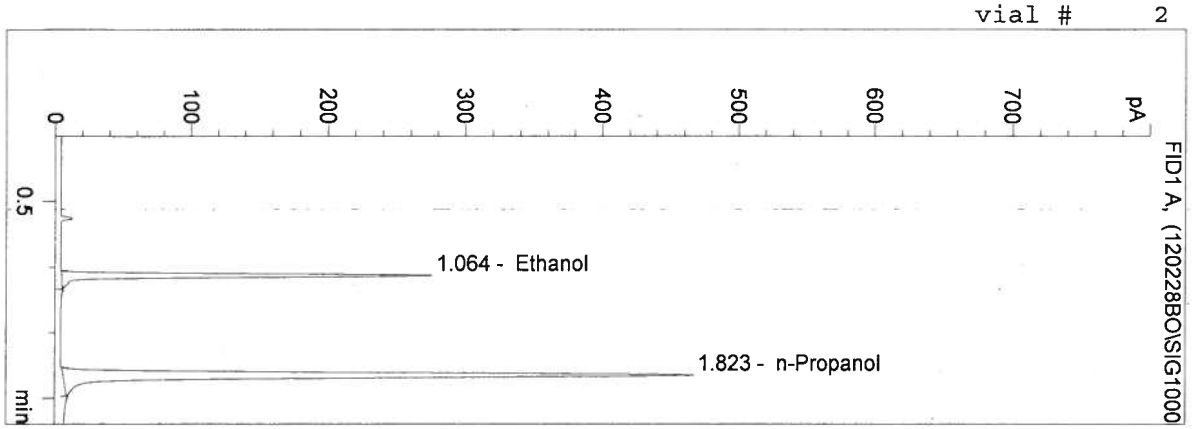
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 12:54:48 PM
Instrument 3
DB-ALC2

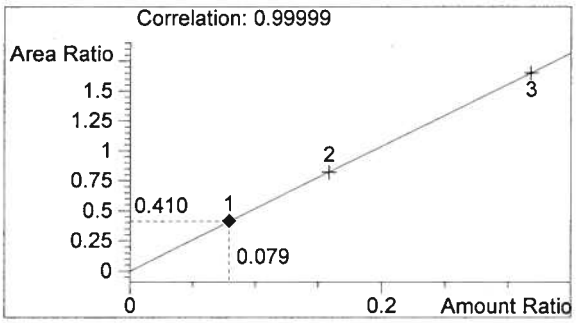
0.079 CAL 1
Brianne E. O'Reilly

vial # 2

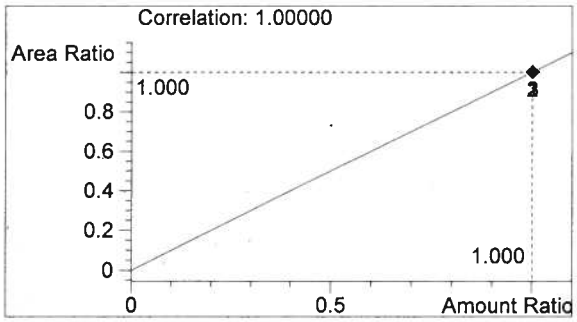


#	Compound	Area	RT
1	Ethanol	522	1.064
2	n-Propanol	1274	1.823

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

12012

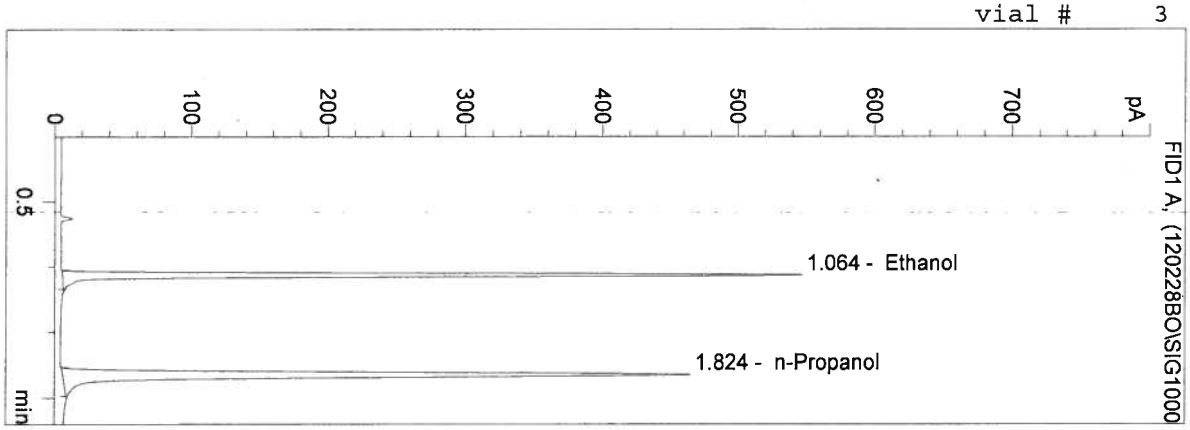
BWD

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 12:57:55 PM
Instrument 3
DB-ALC2

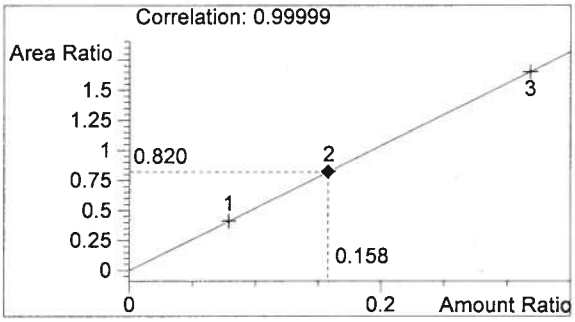
0.158 CAL 2
Brianne E. O'Reilly

vial # 3

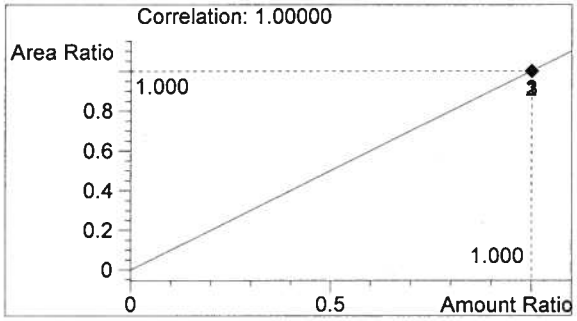


#	Compound	Area	RT
1	Ethanol	1042	1.064
2	n-Propanol	1271	1.824

Totals:



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

12012

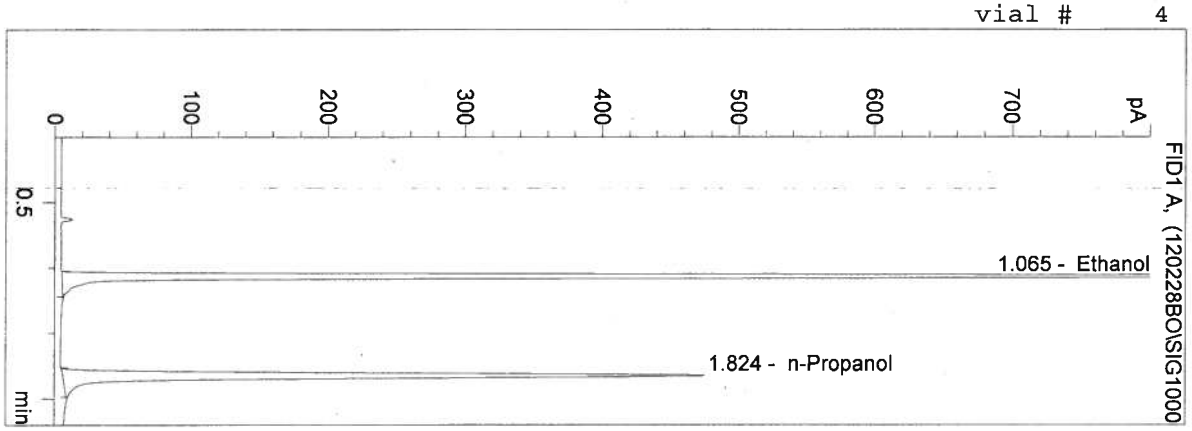
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:01:02 PM
Instrument 3
DB-ALC2

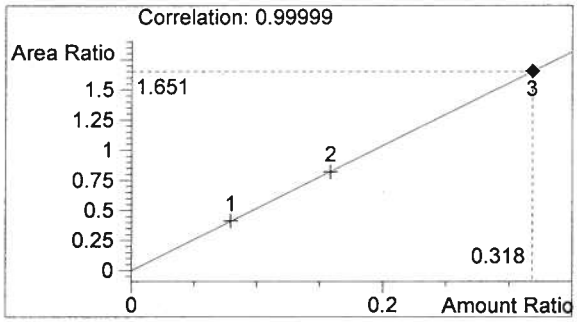
0.316 CAL 3
Brianne E. O'Reilly

vial # 4

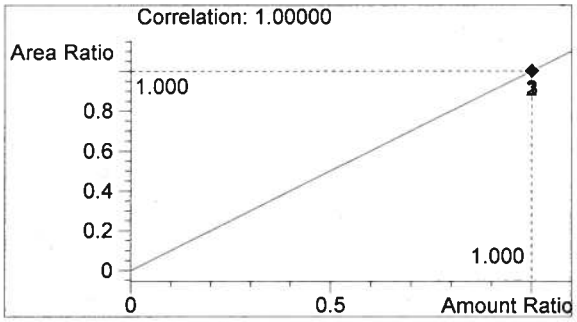


#	Compound	Area	RT
1	Ethanol	2144	1.065
2	n-Propanol	1298	1.824

Totals:



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

12012

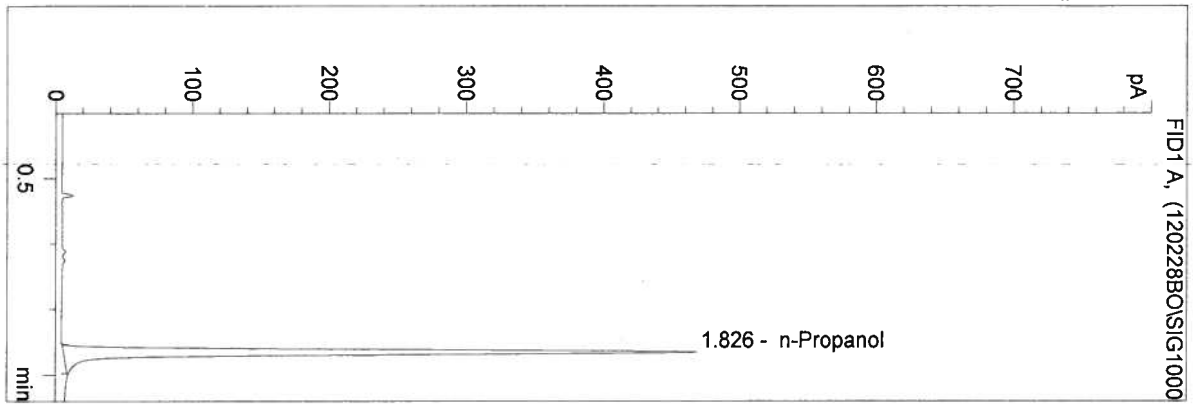
BWD

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:04:10 PM
Instrument 3
DB-ALC2

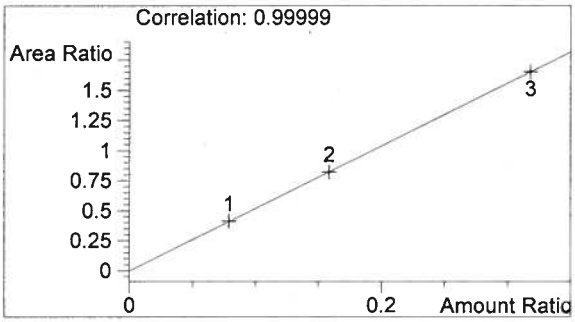
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 5

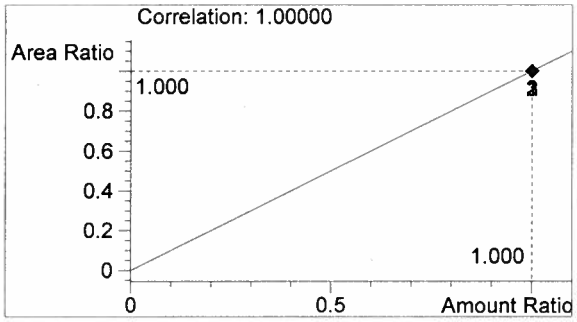


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1287	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

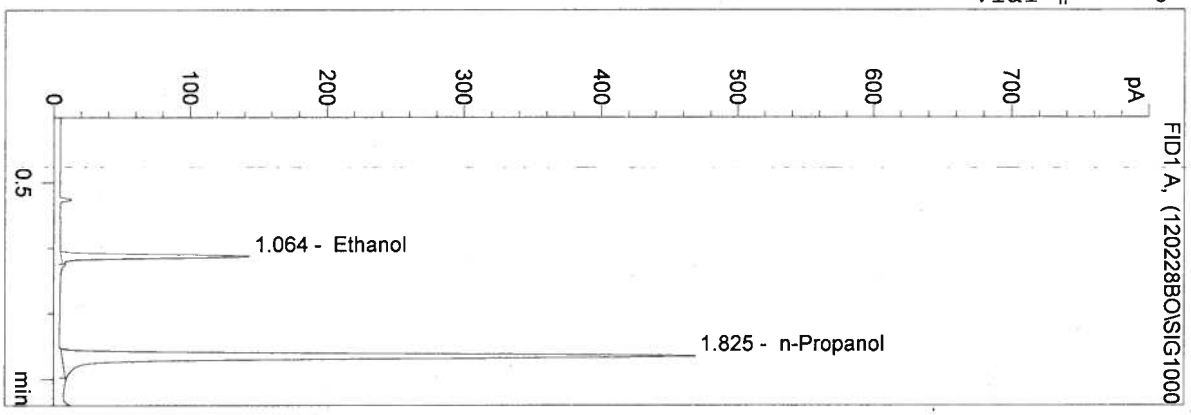
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:07:17 PM
Instrument 3
DB-ALC2

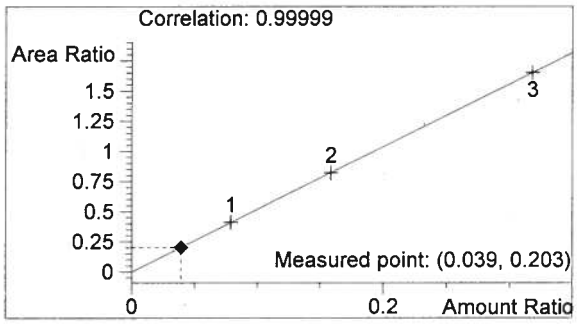
0.04 CONTROL-BO
Brianne E. O'Reilly

vial # 6

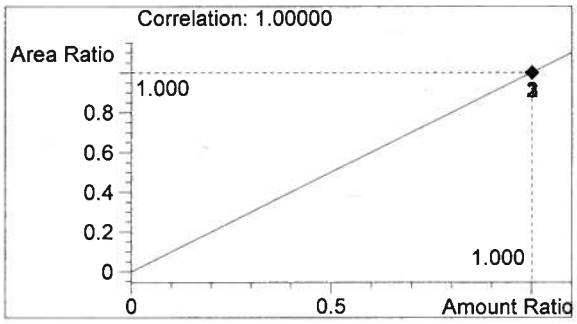


#	Compound	Area	RT
1	Ethanol	260	1.064
2	n-Propanol	1283	1.825

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

12012

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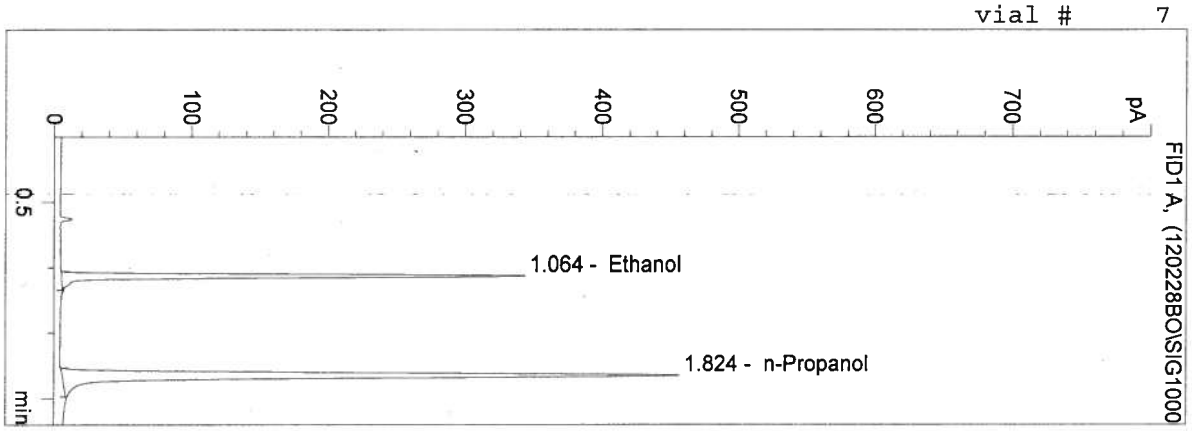
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:10:24 PM
Instrument 3
DB-ALC2

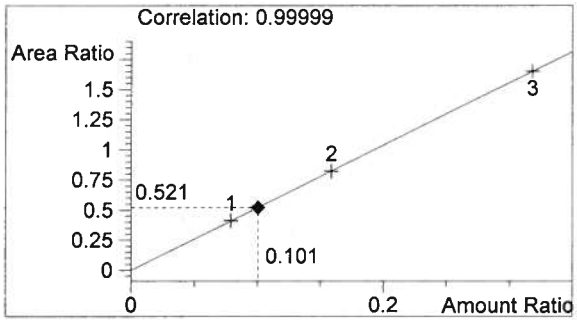
0.10 CONTROL-BO
Brianne E. O'Reilly

vial # 7

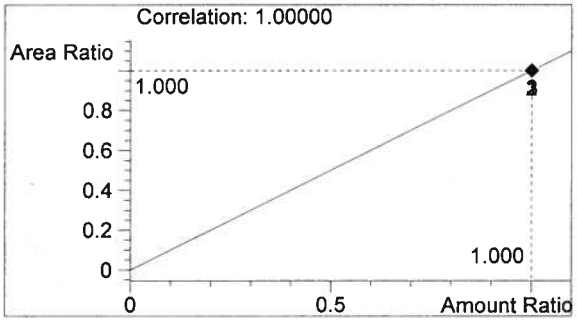


#	Compound	Area	RT
1	Ethanol	650	1.064
2	n-Propanol	1247	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

12012

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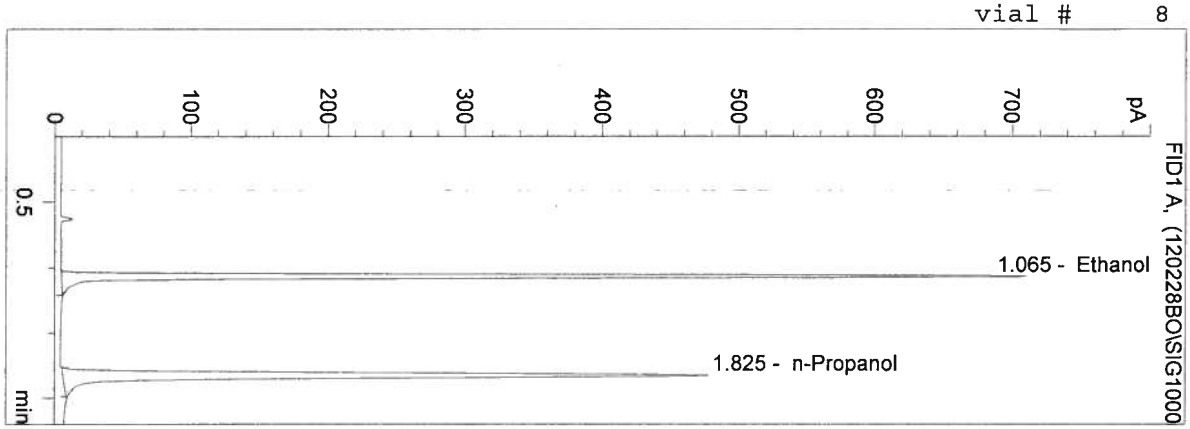
C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:13:31 PM
Instrument 3
DB-ALC2

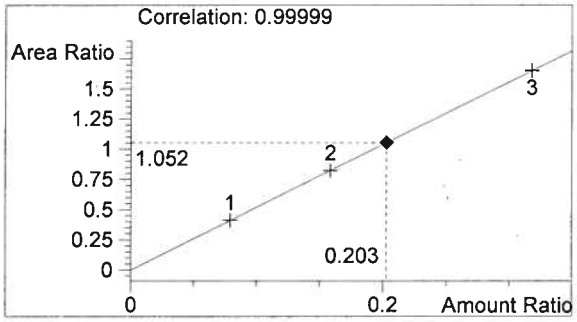
0.20 CONTROL-BO
Brianne E. O'Reilly

vial # 8

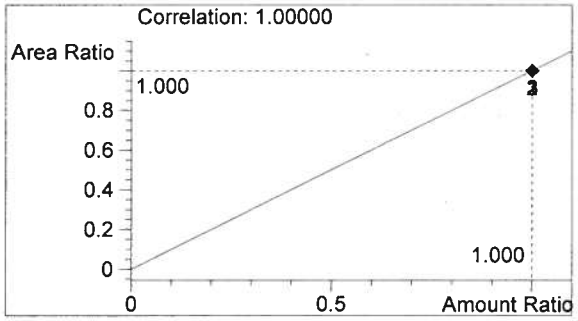


#	Compound	Area	RT
1	Ethanol	1377	1.065
2	n-Propanol	1309	1.825

Totals:



Ethanol 0.203 g/100ml



n-Propanol 1.000 g/100ml

12012

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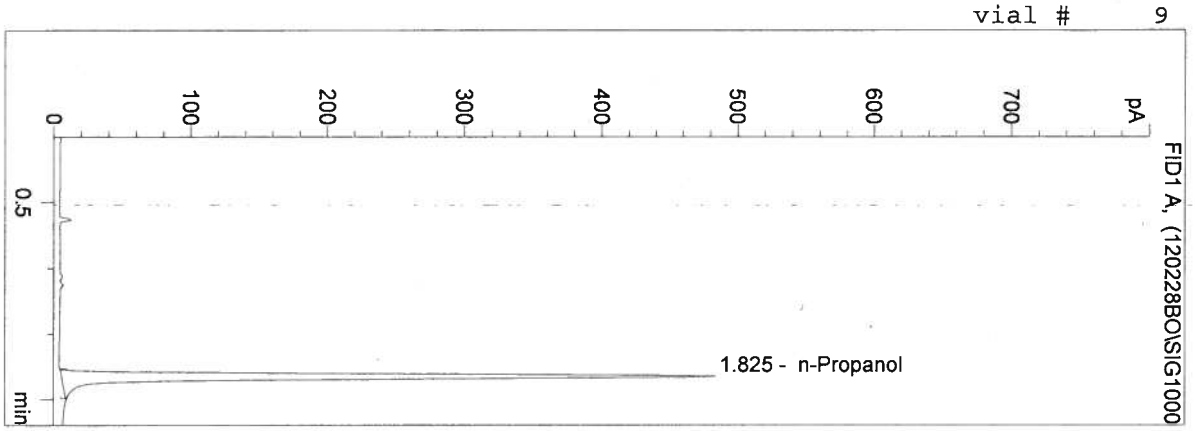
C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:16:39 PM
Instrument 3
DB-ALC2

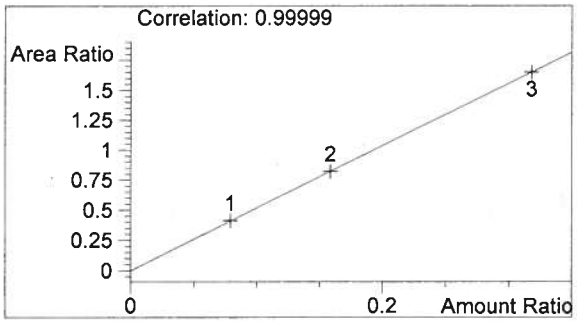
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 9

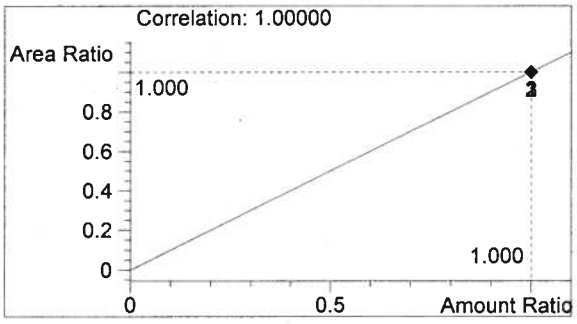


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1325	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

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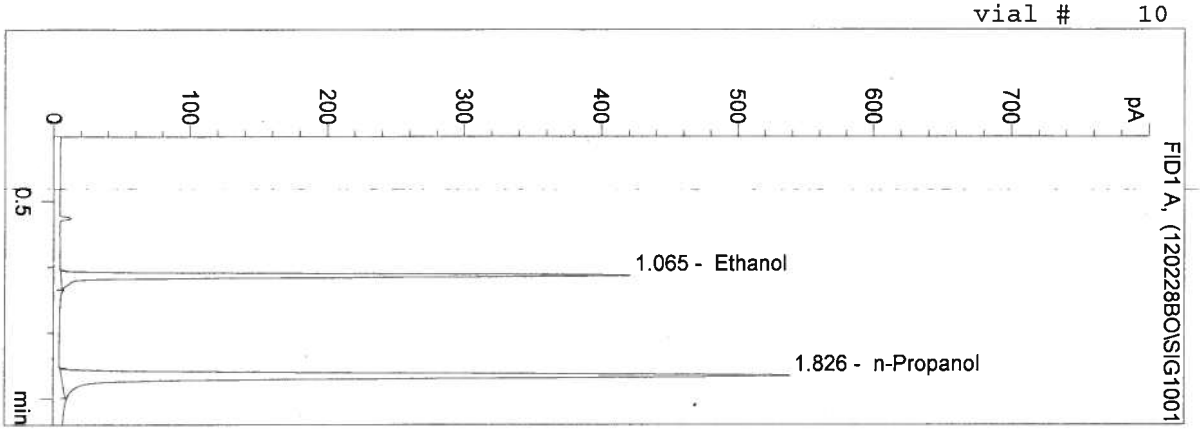
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:19:46 PM
Instrument 3
DB-ALC2

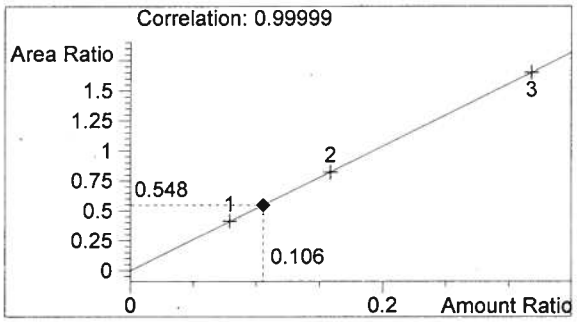
12012 #1
Brianne E. O'Reilly

vial # 10

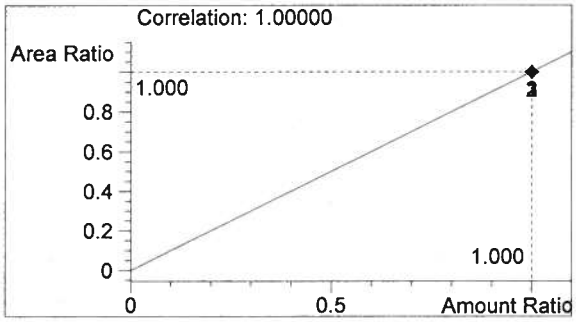


#	Compound	Area	RT
1	Ethanol	810	1.065
2	n-Propanol	1477	1.826

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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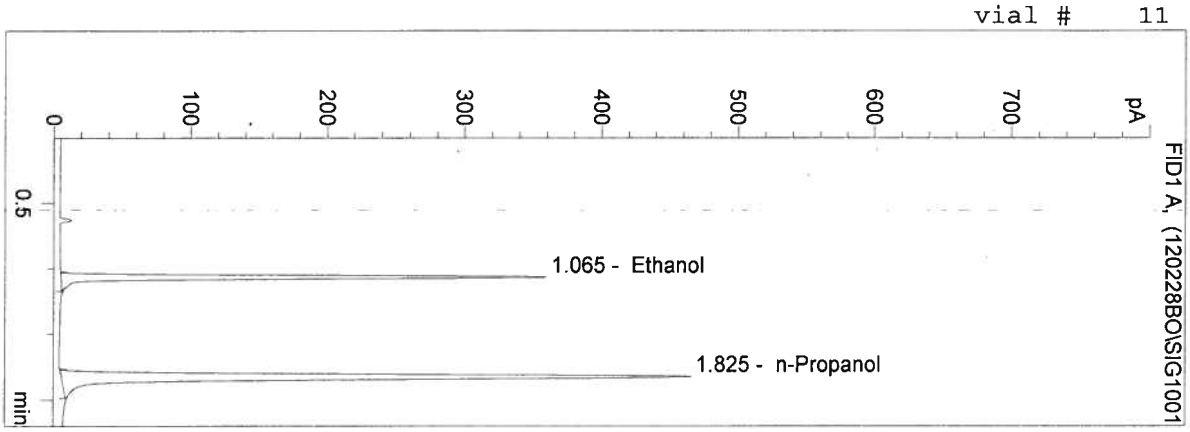
2/28/2012 1:22:53 PM
Instrument 3
DB-ALC2

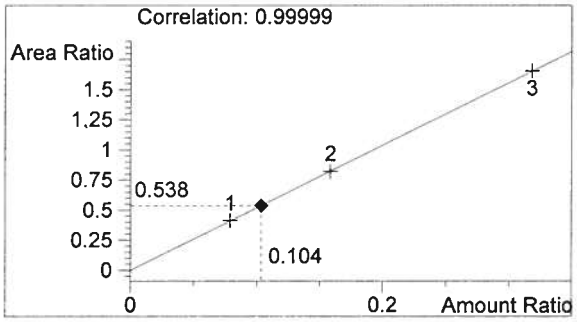
12012 #2
Brianne E. O'Reilly

vial # 11

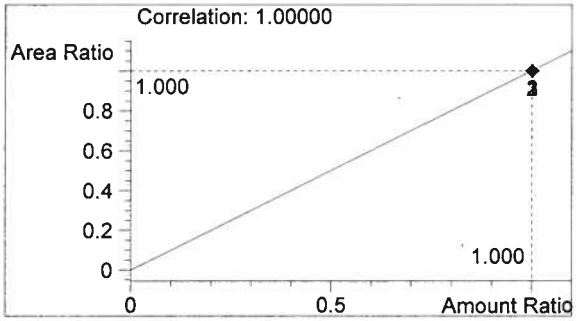


#	Compound	Area	RT
1	Ethanol	687	1.065
2	n-Propanol	1278	1.825

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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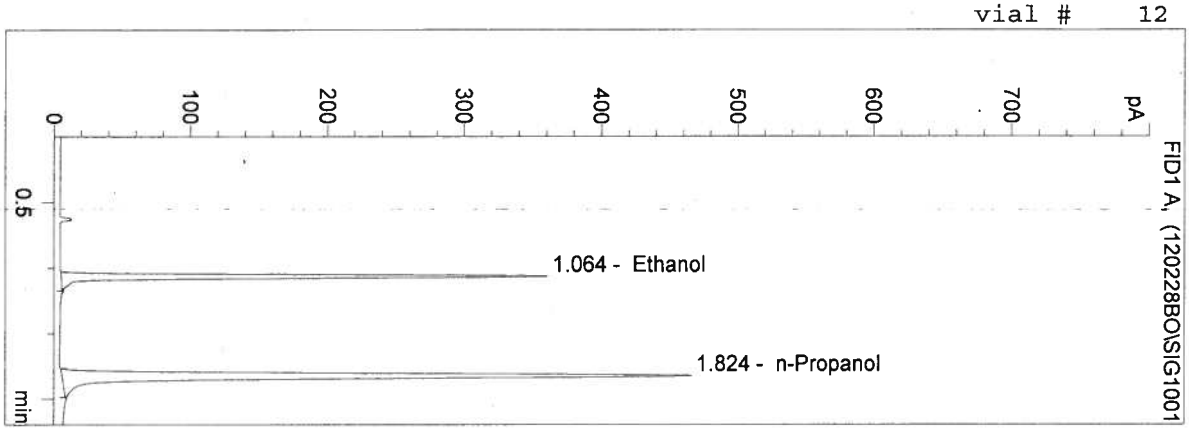
C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:26:00 PM
Instrument 3
DB-ALC2

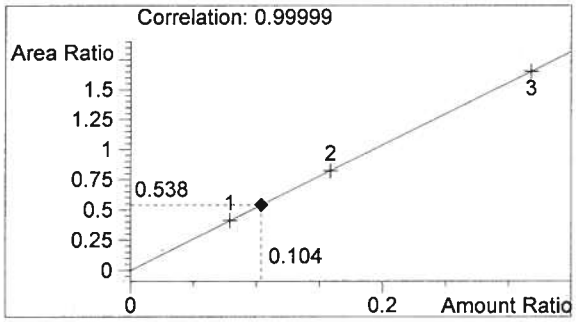
12012 #3
Brianne E. O'Reilly

vial # 12

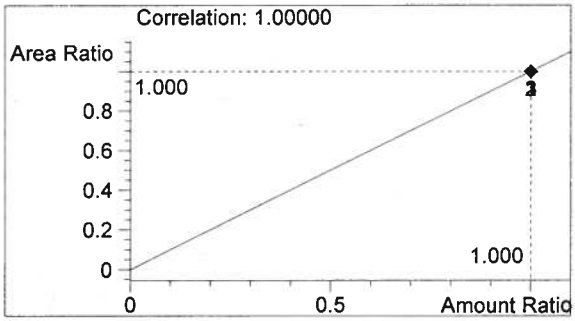


#	Compound	Area	RT
1	Ethanol	687	1.064
2	n-Propanol	1276	1.824

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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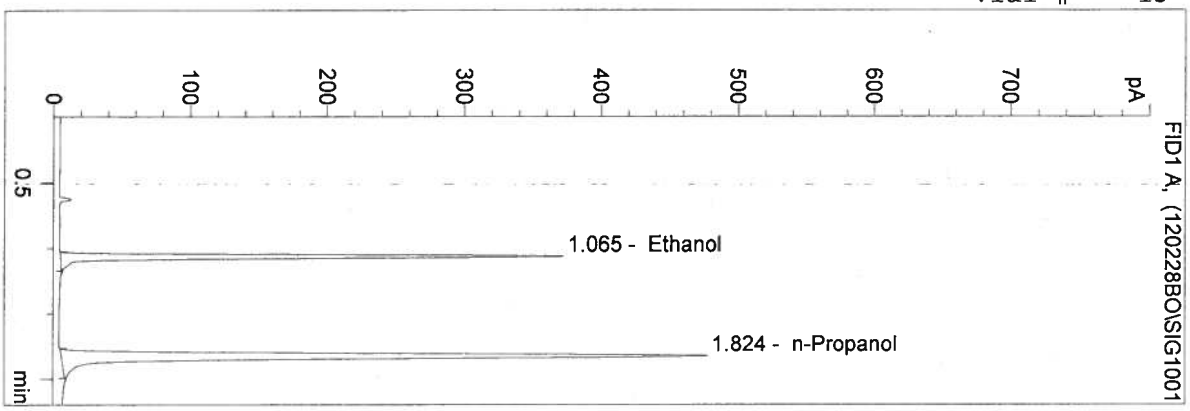
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:29:08 PM
Instrument 3
DB-ALC2

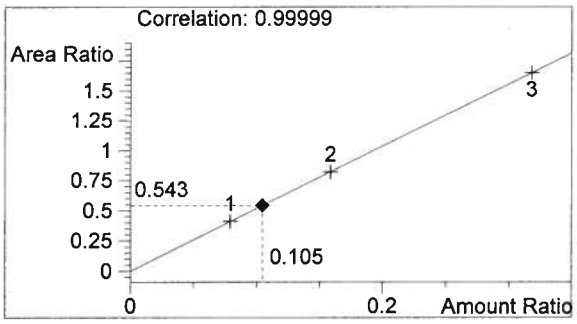
12012 #4
Brianne E. O'Reilly

vial # 13

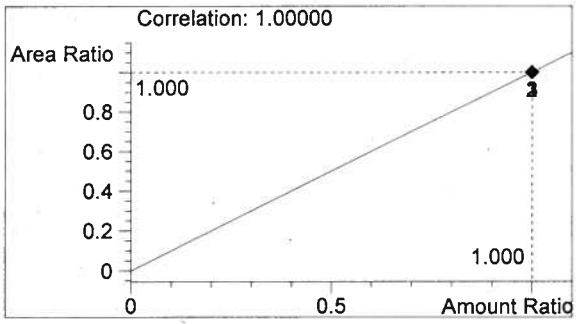


#	Compound	Area	RT
1	Ethanol	713	1.065
2	n-Propanol	1313	1.824

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

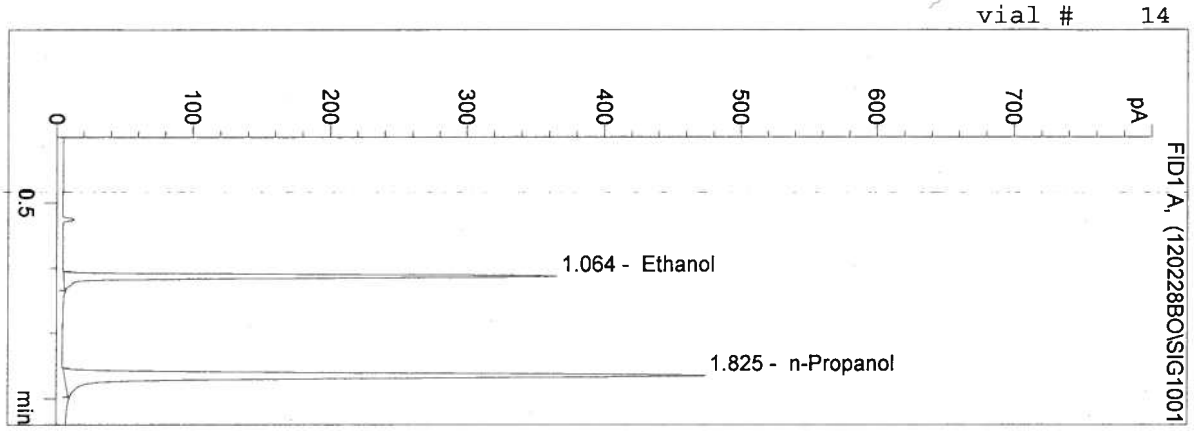
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:32:15 PM
Instrument 3
DB-ALC2

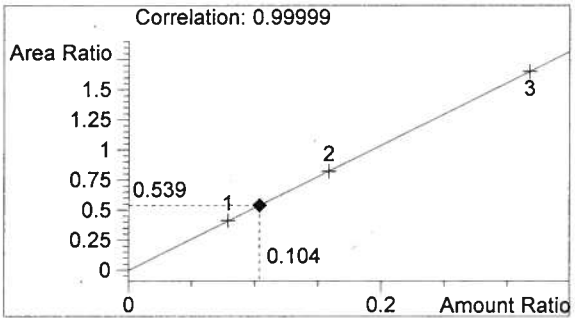
12012 #5
Brianne E. O'Reilly

vial # 14

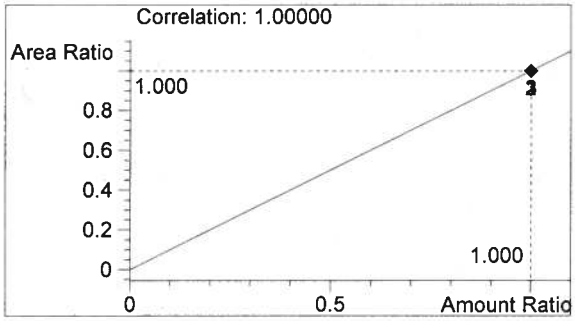


#	Compound	Area	RT
1	Ethanol	702	1.064
2	n-Propanol	1302	1.825

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

BW

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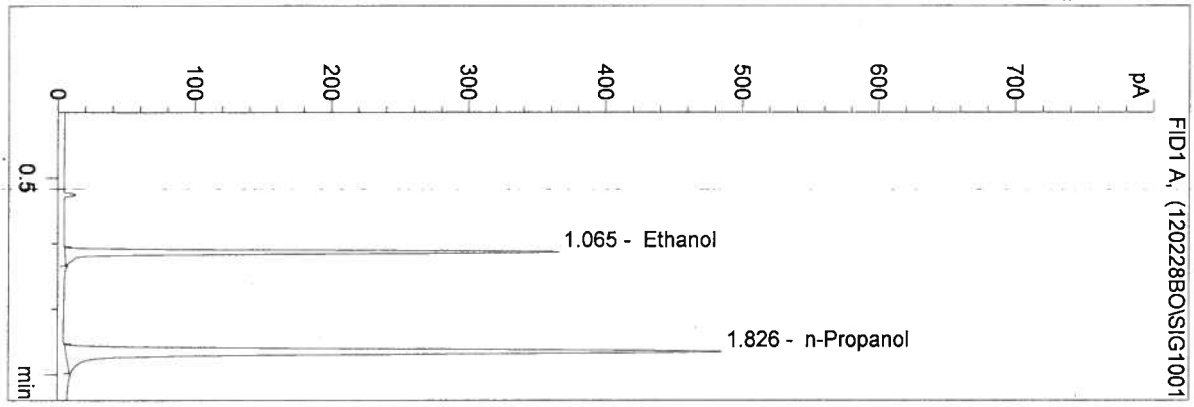
C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:35:22 PM
Instrument 3
DB-ALC2

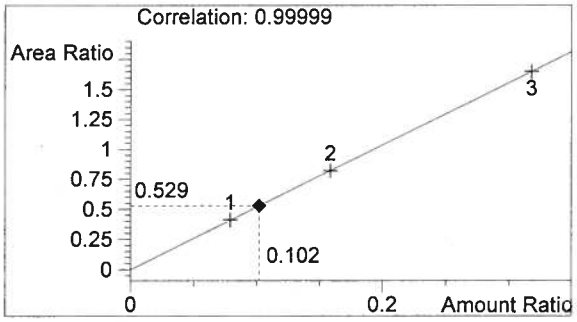
0.10 CONTROL-BO
Brianne E. O'Reilly

vial # 15

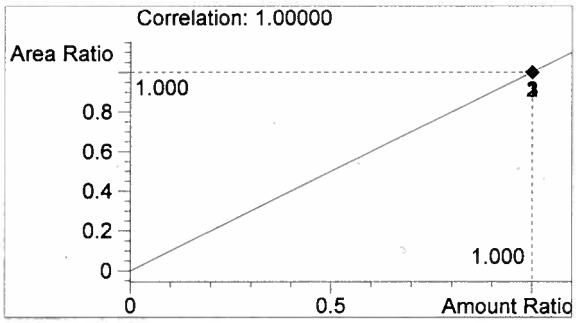


#	Compound	Area	RT
1	Ethanol	706	1.065
2	n-Propanol	1334	1.826

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

12012

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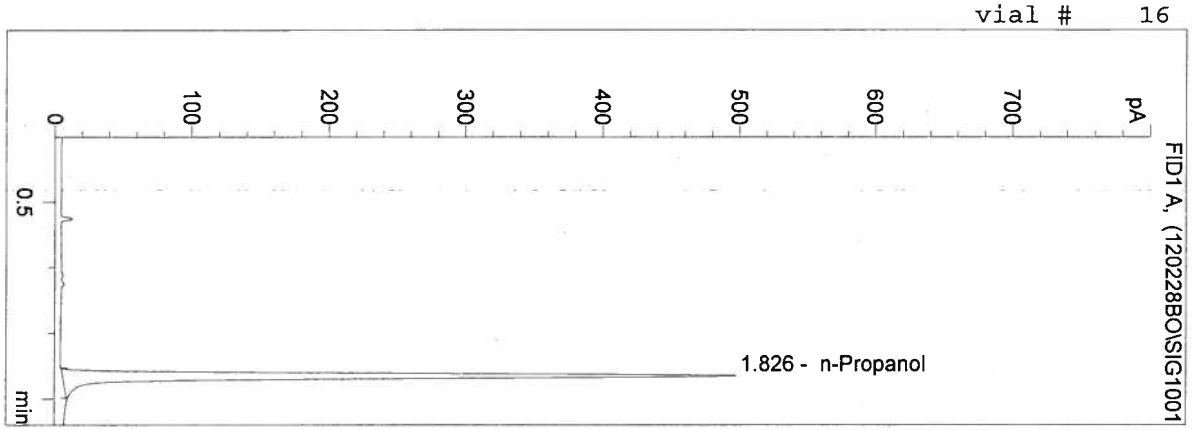
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:38:29 PM
Instrument 3
DB-ALC2

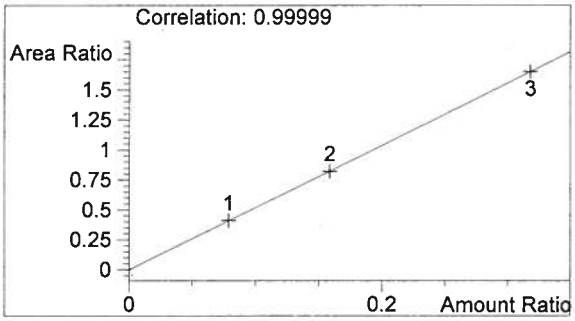
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 16

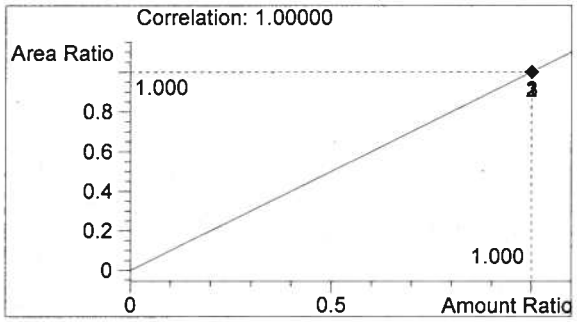


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1367	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

BEO

Sequence: C:\HPCHEM\2\SEQUENCE\LNEXTSTD.S

Sequence Parameters:

Operator:	Lisa Noble
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120228LN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0112-01 - Exp. 04/29/2012
Ethanol Calibrator 2, E0112-02 - Exp. 04/29/2012
Ethanol Calibrator 3, E0112-03 - Exp. 04/29/2012

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - LN	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - LN	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
10	Vial 10	12012 #1	SIMALC3	1	Sample		
11	Vial 11	12012 #2	SIMALC3	1	Sample		
12	Vial 12	12012 #3	SIMALC3	1	Sample		
13	Vial 13	12012 #4	SIMALC3	1	Sample		
14	Vial 14	12012 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		

12012

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL	SIMALC3	3	Replace	Replace	

Sequence: C:\HPCHEM\2\SEQUENCE\LNEXTSTD.S

Sequence Table (Back Injector):

No entries - empty table!

12012

Method C:\HPCHEM\2\METHODS\SIMALC3.M

Calibration Table

Calib. Data Modified : Tuesday, February 28, 2012 2:09:19 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.064	1	1	7.90200e-2	517.91687	1.52573e-4	1		Ethanol
		2	1.58720e-1	997.11139	1.59180e-4			
		3	3.17800e-1	2080.05347	1.52785e-4			
1.824	1	1	1.00000	1264.10693	7.91072e-4	I1		n-Propanol
		2	1.00000	1262.73413	7.91932e-4			
		3	1.00000	1269.02856	7.88004e-4			

Peak Sum Table

No Entries in table

12012

Method C:\HPCHEM\2\METHODS\SIMALC3.M

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Calibration Curves

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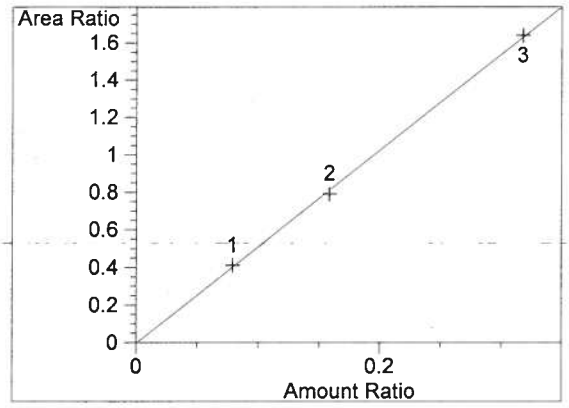
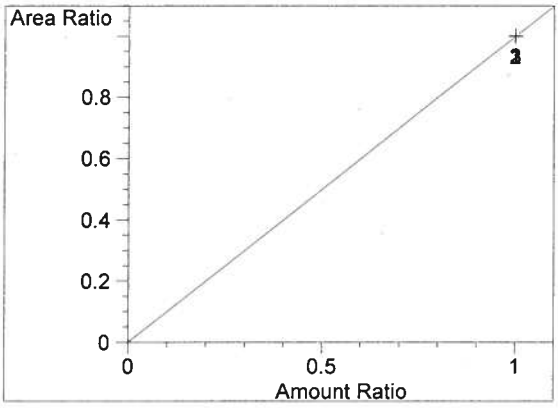


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99978
Residual Std. Dev.: 0.01810
Formula: y = mx + b
m: 5.14489
b: -4.93647e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.824
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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12012

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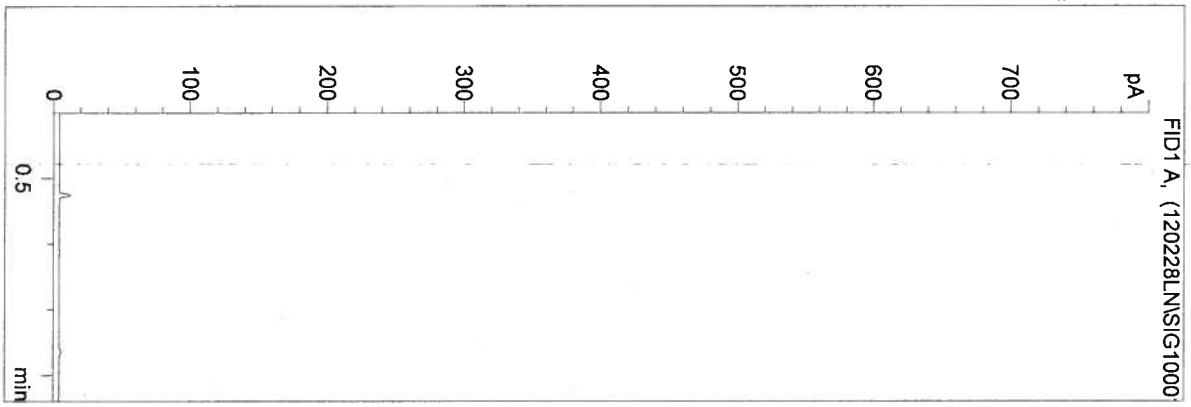
C:\HPCHEM\2\METHODS\SIMALC3.M
2/28/2012 1:57:45 PM
Instrument 3
DB-ALC2

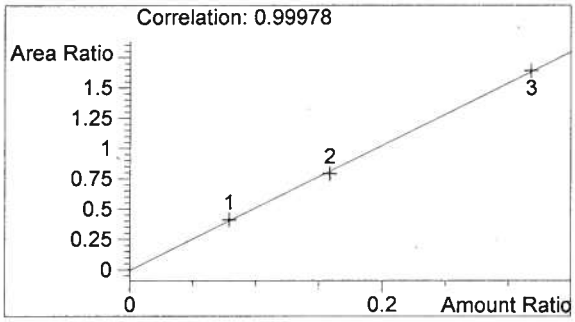
BLANK
Lisa Noble

vial # 1

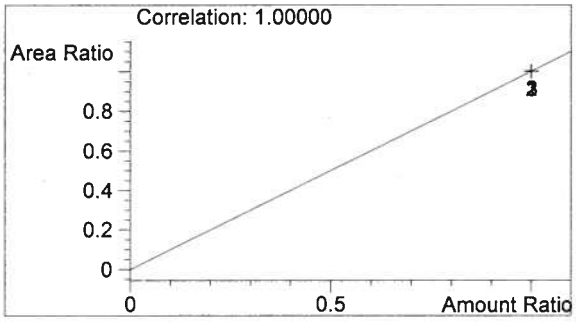


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12012

WASHINGTON STATE TOXICOLOGY LABORATORY

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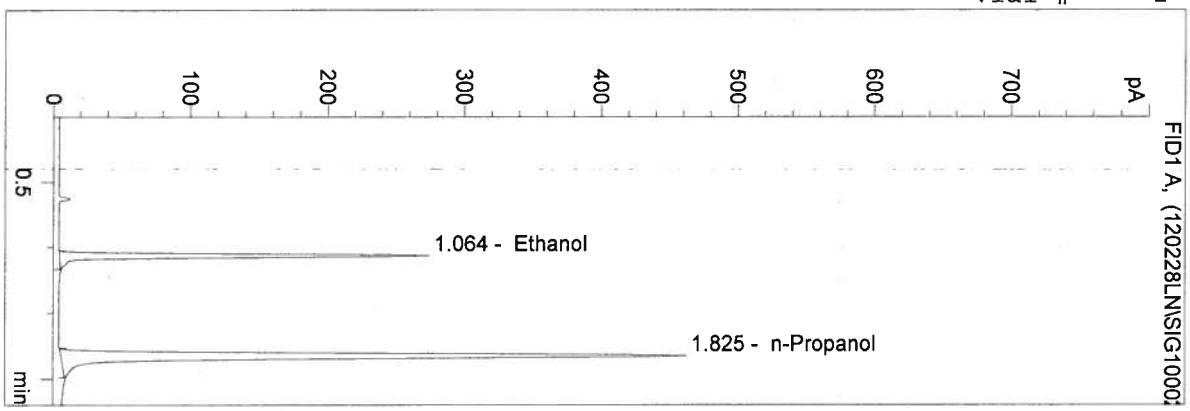
2/28/2012 2:00:52 PM
Instrument 3
DB-ALC2

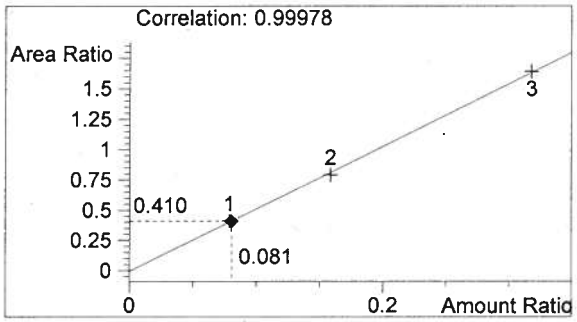
0.079 CAL
Lisa Noble

vial # 2

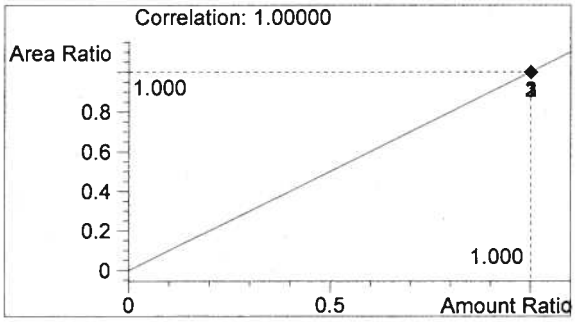


#	Compound	Area	RT
1	Ethanol	518	1.064
2	n-Propanol	1264	1.825

Totals:



Ethanol 0.081 g/100ml



n-Propanol 1.000 g/100ml

12012

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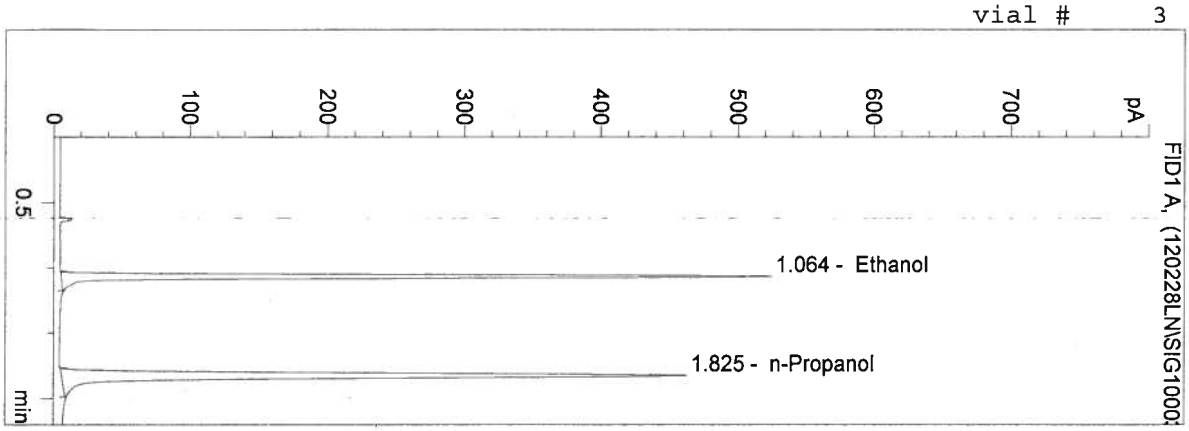
Instrument 3
DB-ALC2

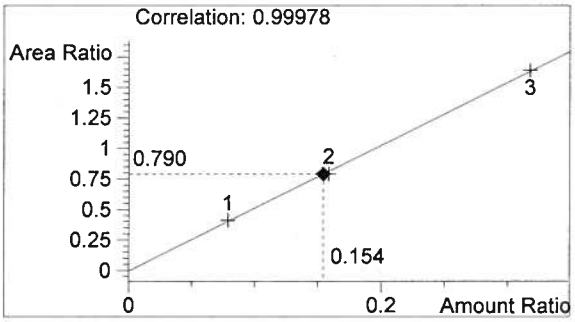
0.158 CAL
Lisa Noble

vial # 3

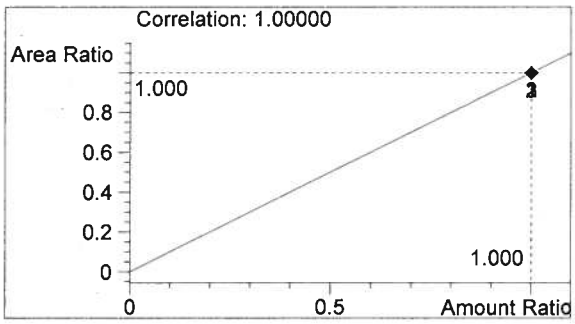


#	Compound	Area	RT
1	Ethanol	997	1.064
2	n-Propanol	1263	1.825

Totals:



Ethanol 0.154 g/100ml



n-Propanol 1.000 g/100ml

12012

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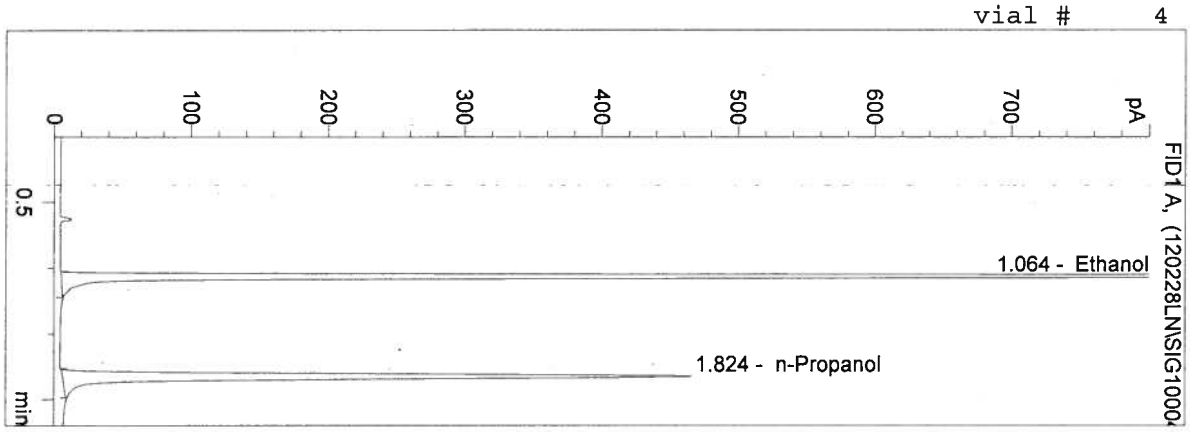
Instrument 3
DB-ALC2

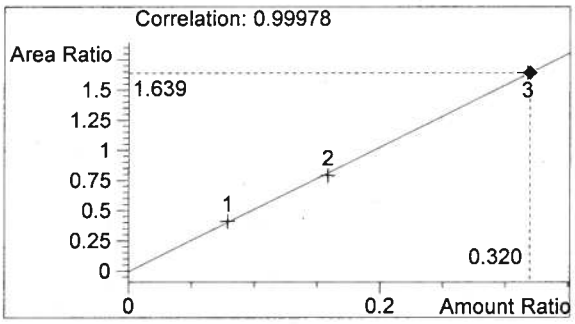
0.316 CAL
Lisa Noble

vial # 4

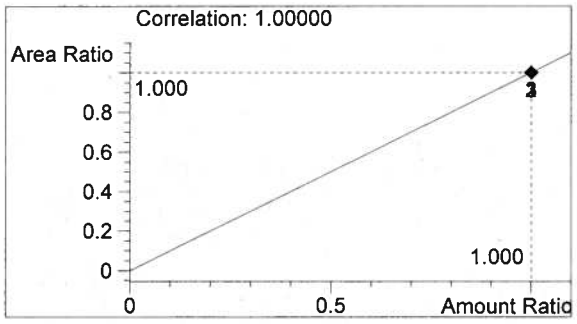


#	Compound	Area	RT
1	Ethanol	2080	1.064
2	n-Propanol	1269	1.824

Totals:



Ethanol 0.320 g/100ml



n-Propanol 1.000 g/100ml

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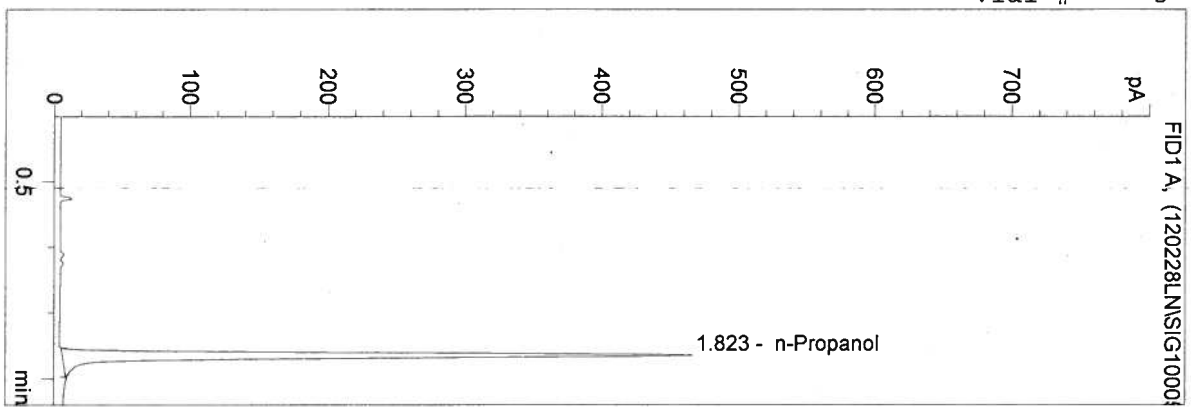
Instrument 3
DB-ALC2

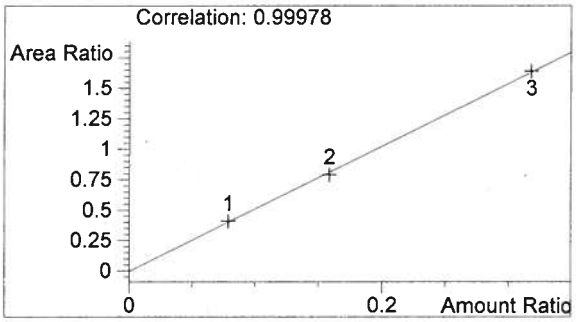
NEG CTRL - LN
Lisa Noble

vial # 5

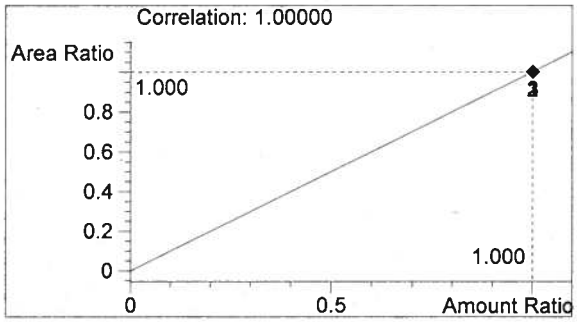


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1272	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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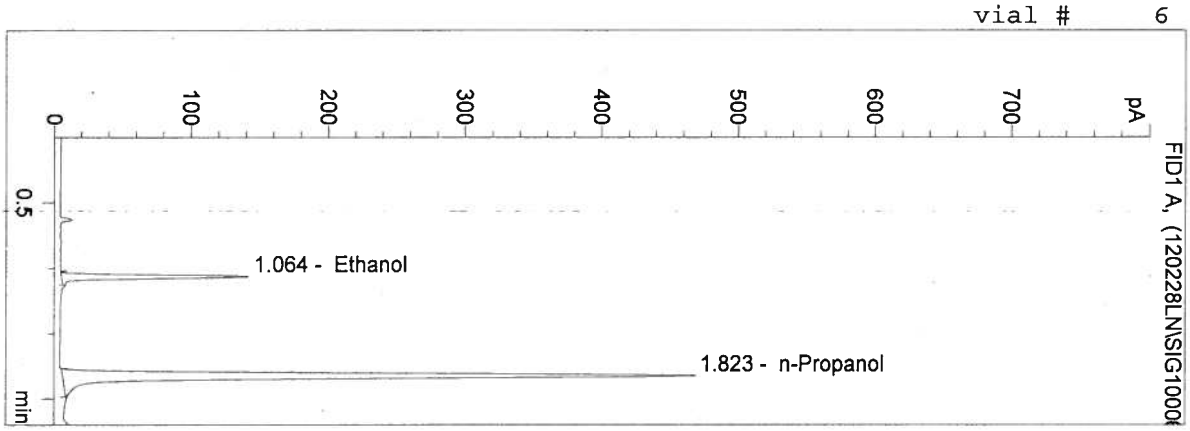
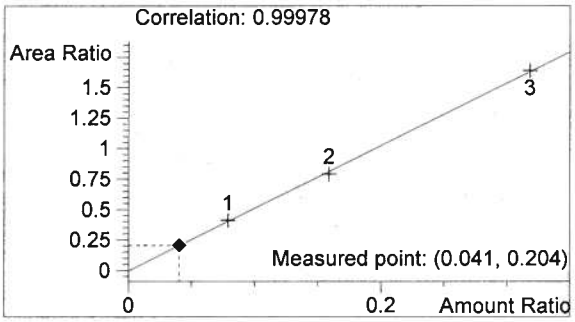
Instrument 3
DB-ALC2

0.04 CTRL - LN
Lisa Noble

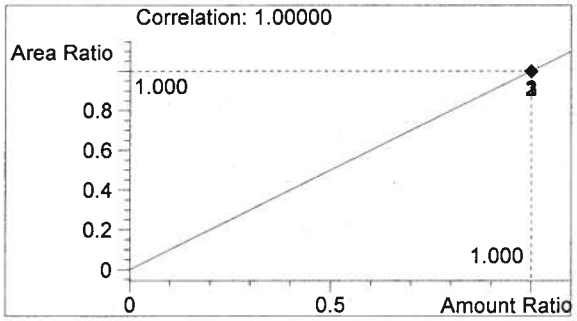
vial # 6



#	Compound	Area	RT
1	Ethanol	262	1.064
2	n-Propanol	1282	1.823
Totals:			



Ethanol 0.041 g/100ml



n-Propanol 1.000 g/100ml

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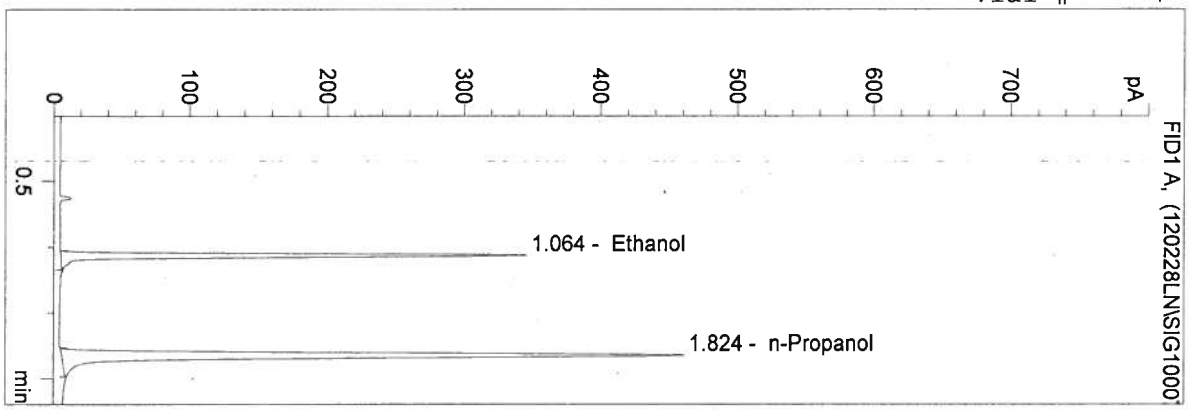
Instrument 3
DB-ALC2

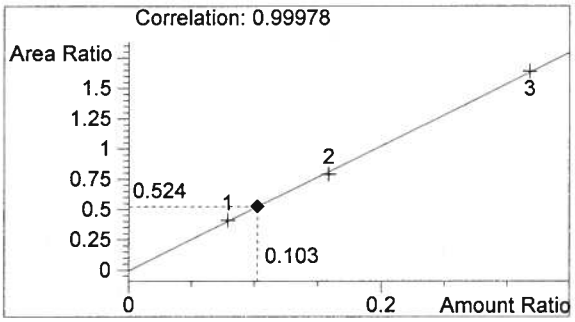
0.10 CTRL - LN
Lisa Noble

vial # 7

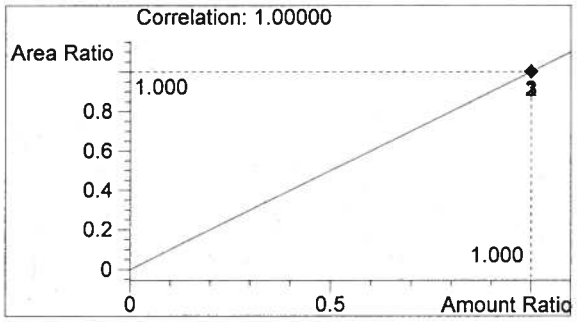


#	Compound	Area	RT
1	Ethanol	660	1.064
2	n-Propanol	1261	1.824

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

12012

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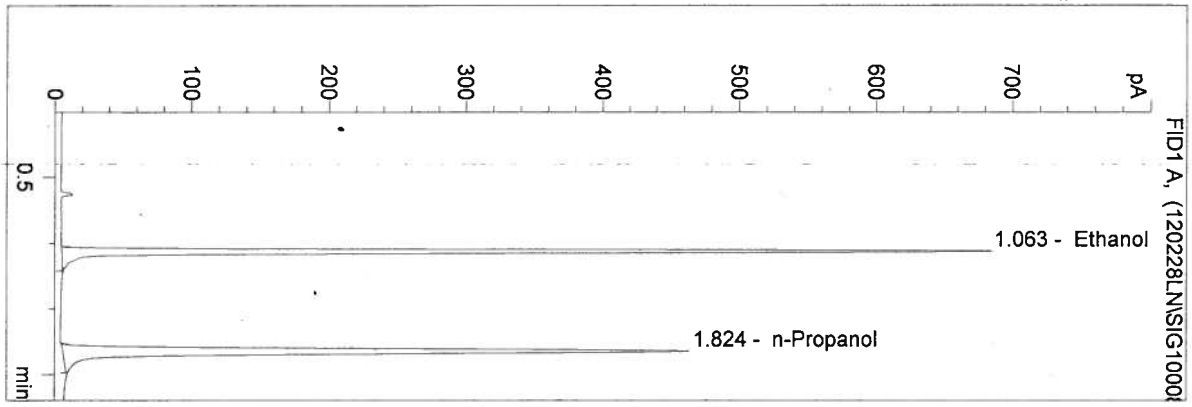
Instrument 3
DB-ALC2

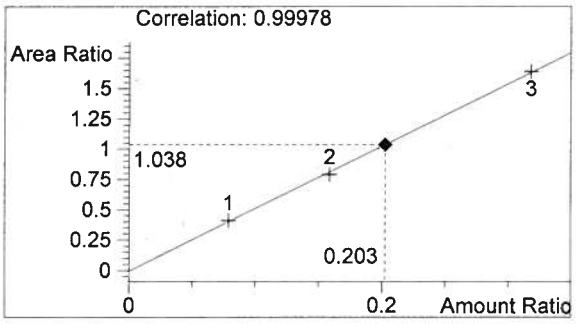
0.20 CTRL - LN
Lisa Noble

vial # 8

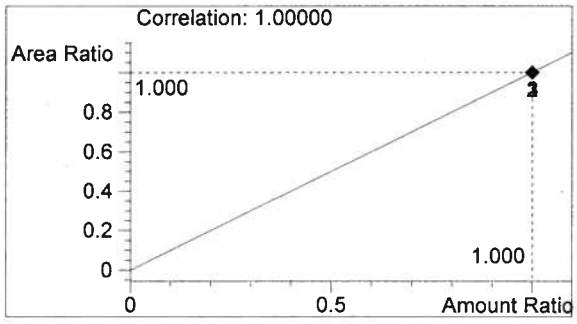


#	Compound	Area	RT
1	Ethanol	1313	1.063
2	n-Propanol	1265	1.824

Totals:



Ethanol 0.203 g/100ml



n-Propanol 1.000 g/100ml

12012

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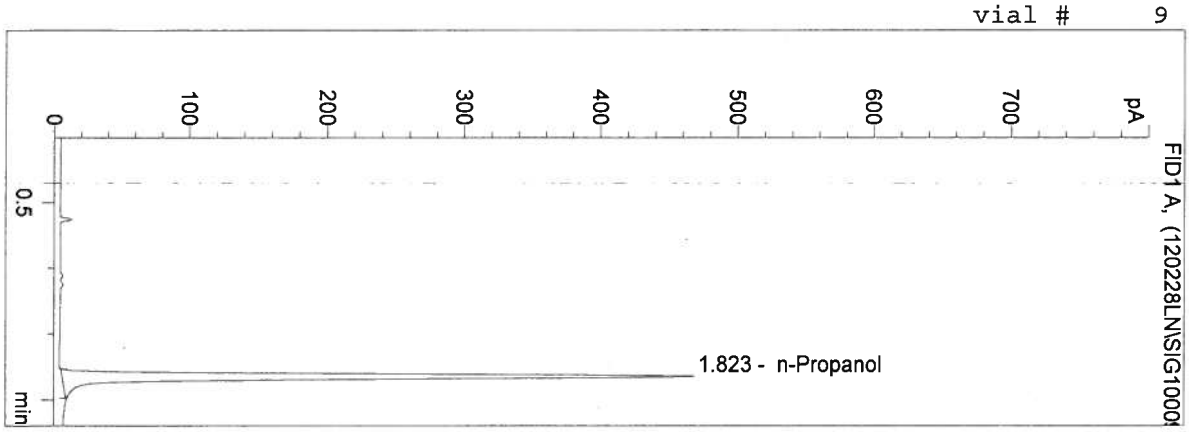
Instrument 3
DB-ALC2

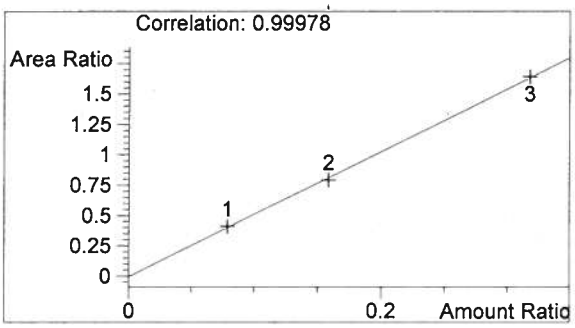
NEG CTRL - LN
Lisa Noble

vial # 9

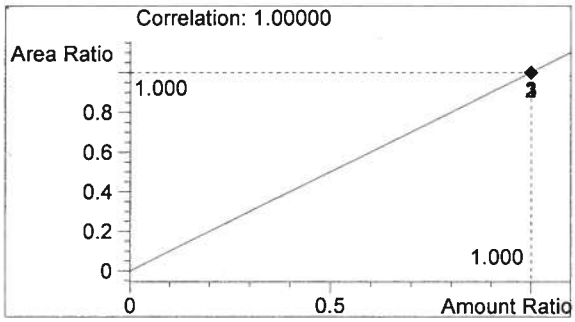


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1280	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012

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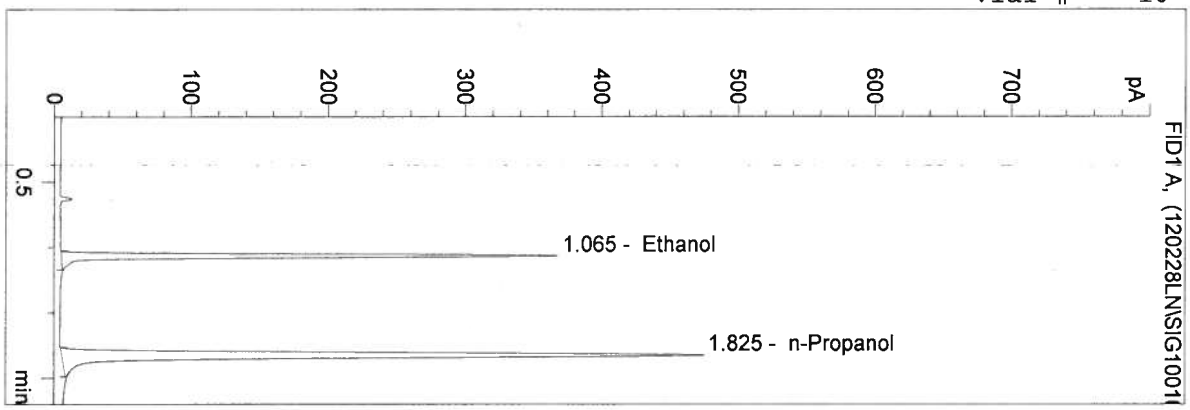
Instrument 3
DB-ALC2

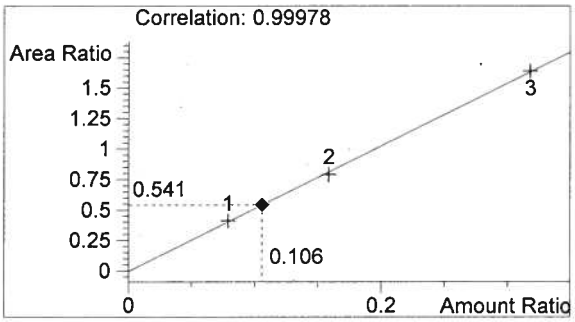
12012 #1
Lisa Noble

vial # 10

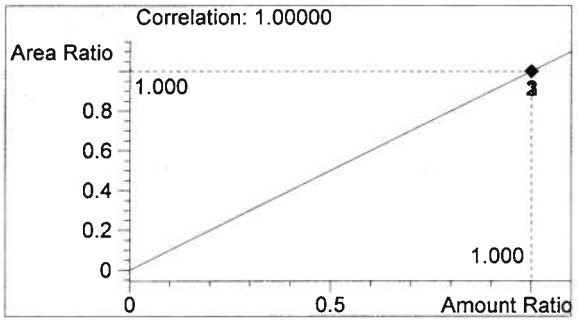


#	Compound	Area	RT
1	Ethanol	705	1.065
2	n-Propanol	1304	1.825

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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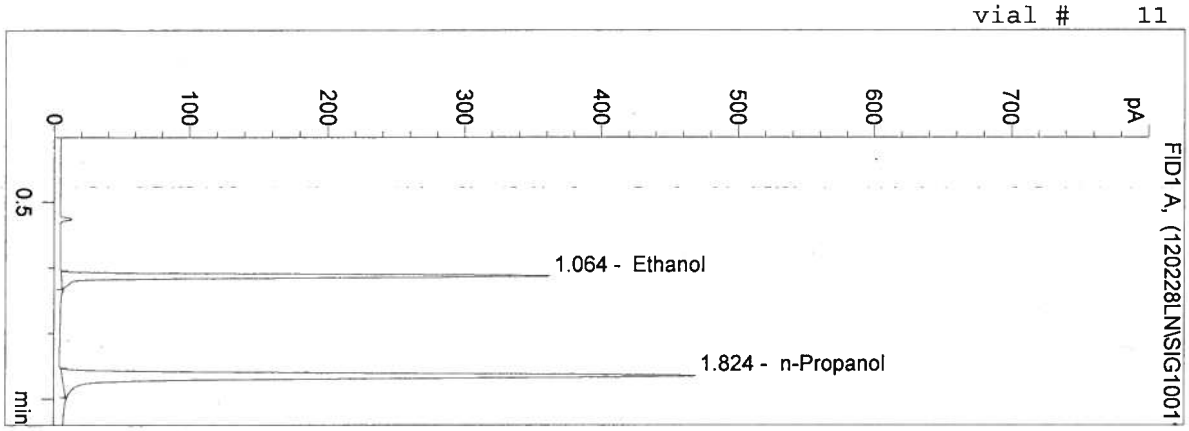
2/28/2012 2:28:57 PM
Instrument 3
DB-ALC2

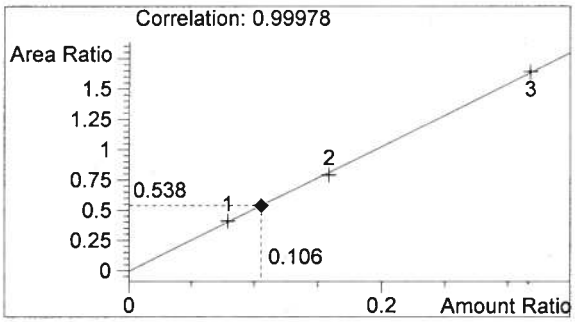
12012 #2
Lisa Noble

vial # 11

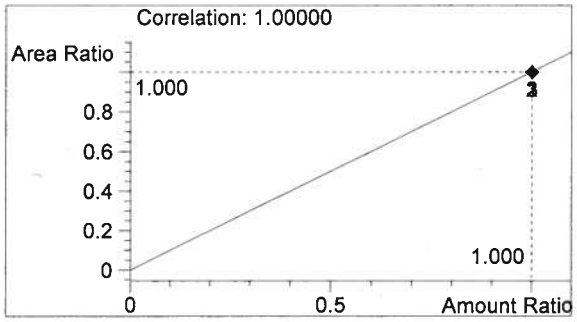


#	Compound	Area	RT
1	Ethanol	691	1.064
2	n-Propanol	1283	1.824

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

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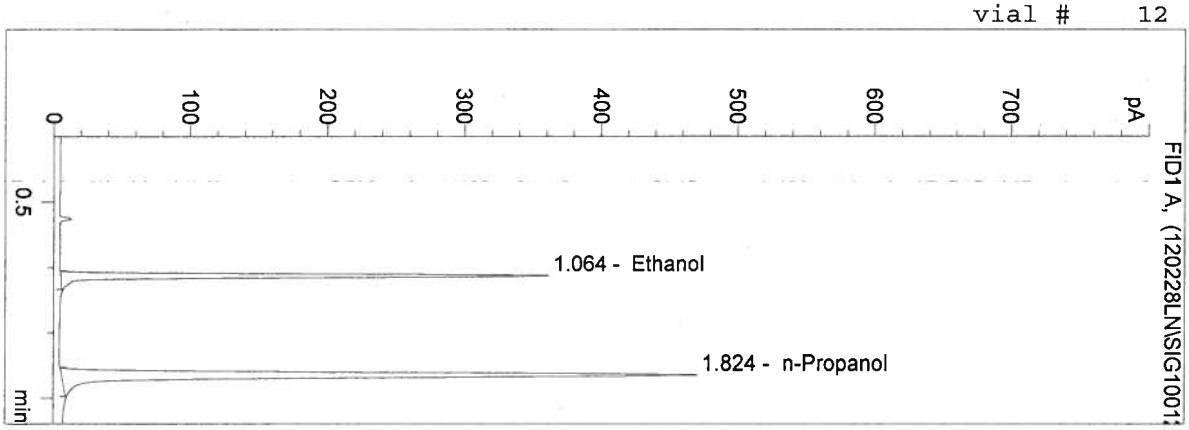
Instrument 3
DB-ALC2

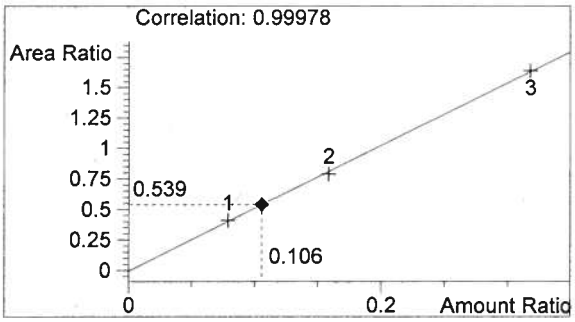
12012 #3
Lisa Noble

vial # 12

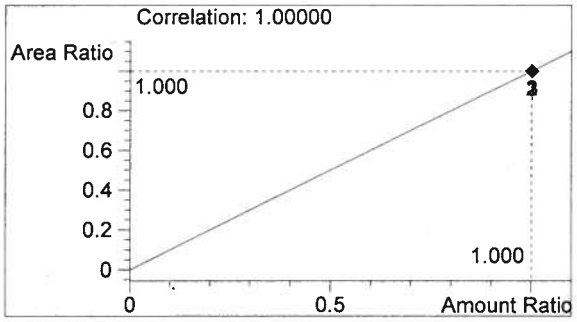


#	Compound	Area	RT
1	Ethanol	696	1.064
2	n-Propanol	1292	1.824

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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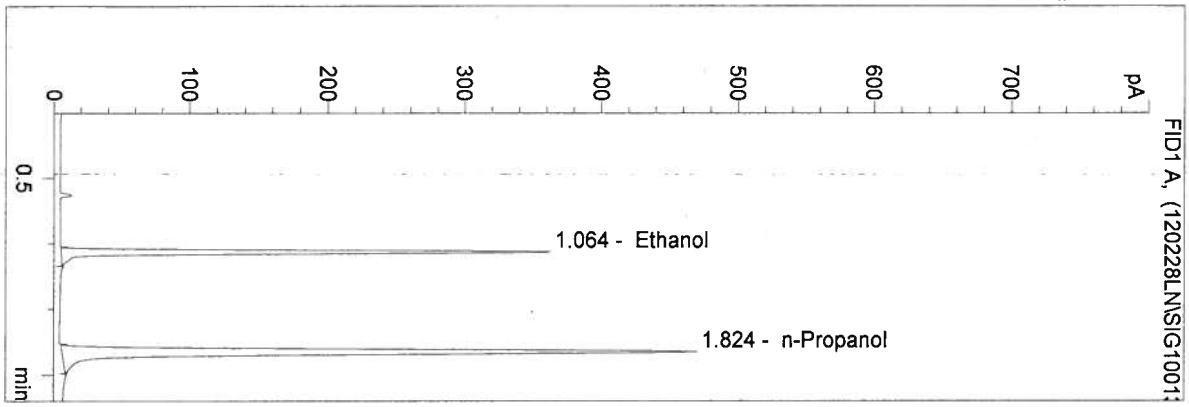
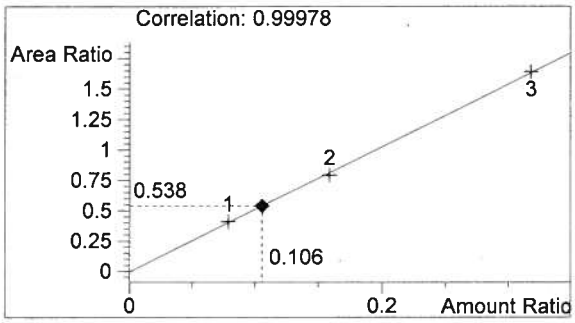
Instrument 3
DB-ALC2

12012 #4
Lisa Noble

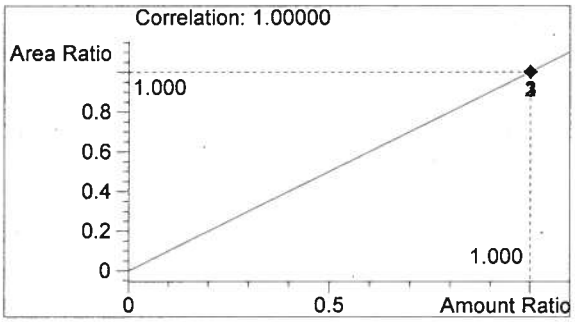
vial # 13



#	Compound	Area	RT
1	Ethanol	694	1.064
2	n-Propanol	1289	1.824
Totals:			



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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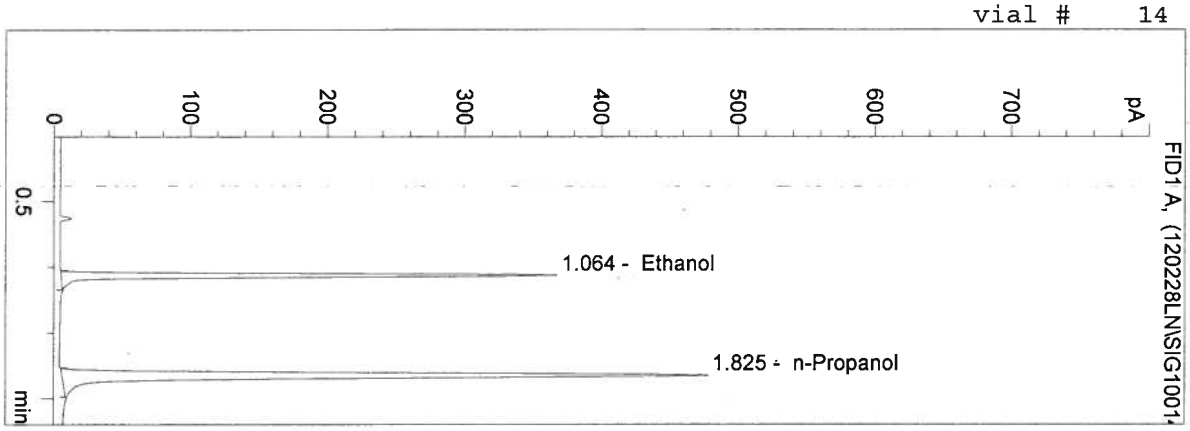
Instrument 3
DB-ALC2

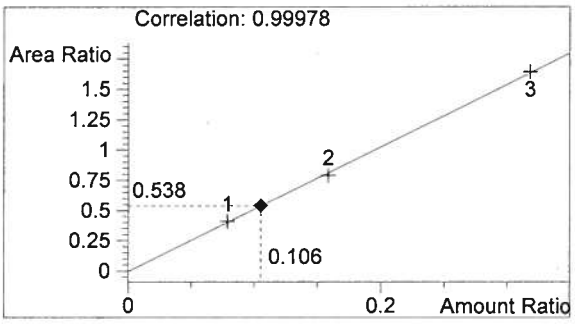
12012 #5
Lisa Noble

vial # 14

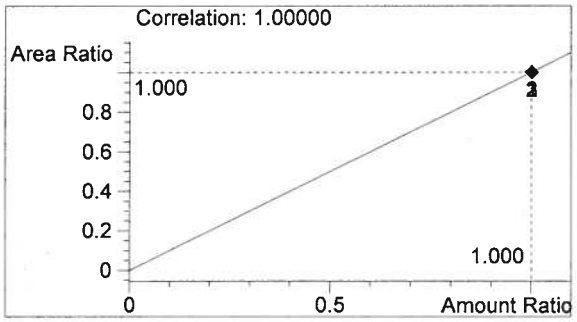


#	Compound	Area	RT
1	Ethanol	706	1.064
2	n-Propanol	1312	1.825

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

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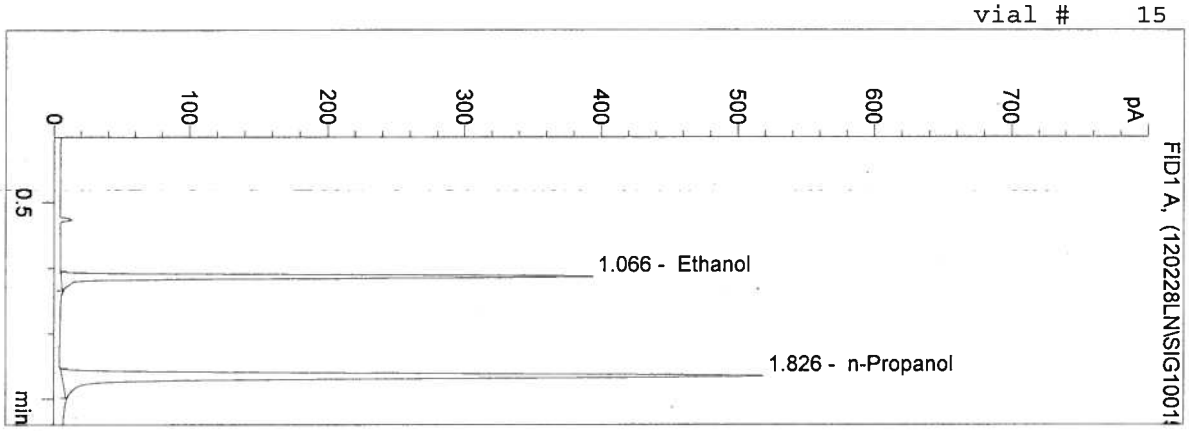
Instrument 3
DB-ALC2

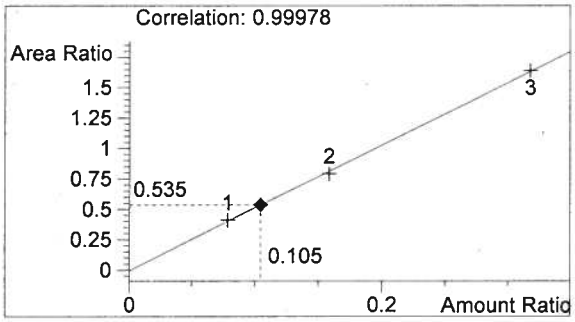
0.10 CTRL - LN
Lisa Noble

vial # 15

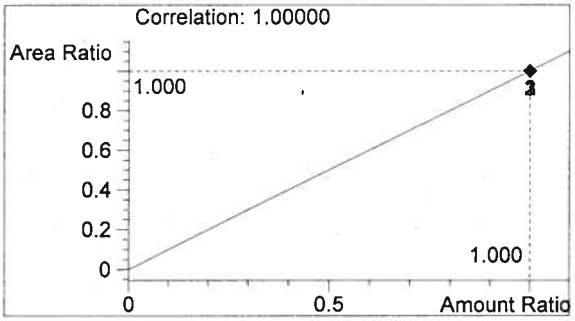


#	Compound	Area	RT
1	Ethanol	762	1.066
2	n-Propanol	1425	1.826

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

12012

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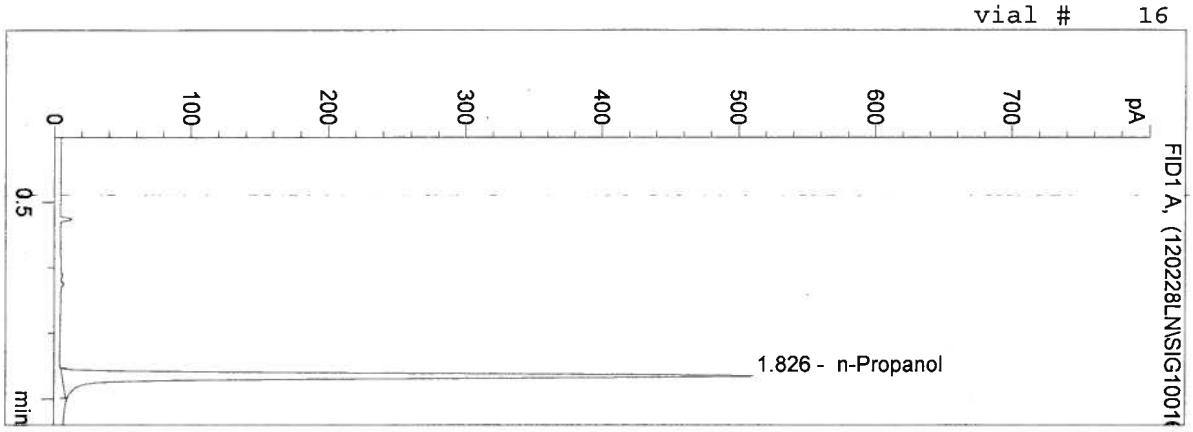
Instrument 3
DB-ALC2

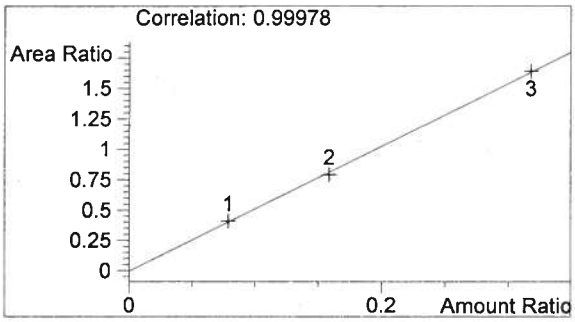
NEG CTRL - LN
Lisa Noble

vial # 16

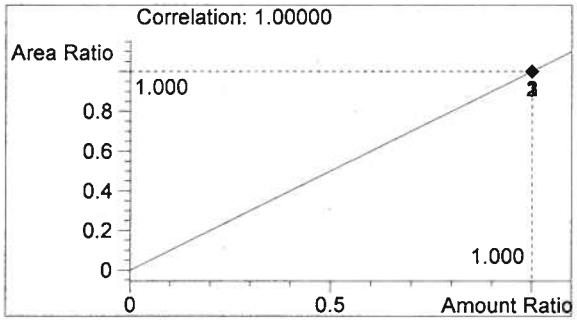


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1403	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12012