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

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/10/2000

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 11055

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: 12/15/2011
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Naziha Nuwayhid

	NN	DC	JLK	BB	LN	AJL	CSJ	BEO
1	0.101	0.102	0.101	0.100	0.103	0.099	0.101	0.101
2	0.101	0.102	0.102	0.100	0.100	0.100	0.100	0.101
3	0.102	0.102	0.102	0.100	0.101	0.100	0.100	0.101
4	0.102	0.103	0.103	0.100	0.102	0.100	0.101	0.097
5	0.101	0.103	0.101	0.099	0.101	0.101	0.101	0.101
C	0.100	0.098	0.101	0.097	0.101	0.098	0.099	0.099

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1010 g/100mL
STANDARD DEVIATION: 0.00122
PRECISION CV (%): 1.21
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0821 g/210L**
EXPANDED UNCERTAINTY: ± 0.0036 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5
Melissa L. Pemberton — Forensic Scientist Supervisor

1-9-2012
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
NN	Naziha Nuwayhid		12/15/2011
DC	Dawn Cox		12/15/2011
JLK	Justin L. Knoy		12/16/2011
BB	Brittany Ball		12/19/2011
LN	Lisa Noble		12/19/2011
AJL	Asa J. Louis	Louis	12/21/2011
CSJ	Christopher S. Johnston		12/22/2011
BEO	Brianne O'Reilly		12/28/2011

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 #: 11055 **Date Prepared: 12/15/2011**

Analyst:	NN	DC	JLK	BB	LN	AJL	CSJ	BEO
Date Tested:	12/15/2011	12/15/2011	12/16/2011	12/19/2011	12/19/2011	12/21/2011	12/22/2011	12/28/2011
Instrument:	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3
1	0.101	0.102	0.101	0.100	0.103	0.099	0.101	0.101
2	0.101	0.102	0.102	0.100	0.100	0.100	0.100	0.101
3	0.102	0.102	0.102	0.100	0.101	0.100	0.100	0.101
4	0.102	0.103	0.103	0.100	0.102	0.100	0.101	0.097
5	0.101	0.103	0.101	0.099	0.101	0.101	0.101	0.101
C	0.100	0.098	0.101	0.097	0.101	0.098	0.099	0.099

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0001456805	0.0002162681	0.0001016326

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

Average Solution Concentration: 0.1010 g/100mL
Standard Deviation: 0.00122 g/100mL
Precision CV (%): 1.21
Equivalent Vapor Concentration: 0.0821 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 L. Pemberton [signature] 1-3-2012
Name Signature Date

Calculations verified by: Jason Skiegrov [signature] 1-6-12
Name Signature Date

Method: Hand Calculator

Technical review of batch file performed by:

Melissa L. Pemberton [signature] 1-5-2012
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV **Date:** 1-9-12

Location: WSP- FLSB; SEATTLE, WA **Solution Batch Number:** 11055

	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: (SKLEROV) **Date:** 1-9-12

Reviewer Signature: N/A JAS 1/9/12 **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	20120103
Brian Capron		
Brianna Peterson		
Brianne O'Reilly	BKO	1/4/12 BKO
Brittany Ball	BB	1/3/12
Christie Mitchell		
Christopher Johnston	CJ	1-3-12
Dawn Cox	DC	1.3.12
Justin Knoy	JK	1-3-12
Lisa Noble	LN	1/3/12
Melissa Pemberton		
Naziha Nuwayhid	NN	1-3-12
Rebecca Flaherty		
Sarah Swenson		

Batch # 11055

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 11055

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 11055, was prepared in the Washington State Toxicology Laboratory on 12/15/2011. 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 12/15/2012.

Seattle, WA

Jan 3, 2012

Naziha Nuwayhid — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11055

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 11055, was prepared in the Washington State Toxicology Laboratory on 12/15/2011. 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 12/15/2012.

Seattle, WA

Dawn Cox 1·3·12

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 11055

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 11055, was prepared in the Washington State Toxicology Laboratory on 12/15/2011. 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 12/15/2012.

Seattle, WA

1-3-12

Justin L. Knoy — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11055

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 11055, was prepared in the Washington State Toxicology Laboratory on 12/15/2011. 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 12/15/2012.

Seattle, WA

Brittany Ball 1/3/12

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 11055

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 11055, was prepared in the Washington State Toxicology Laboratory on 12/15/2011. 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 12/15/2012.

Seattle, WA

Lisa Noble 1/3/12

Lisa Noble Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11055

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 11055, was prepared in the Washington State Toxicology Laboratory on 12/15/2011. 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 12/15/2012.

Seattle, WA

2012 03

Asa J. Louis Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11055

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 11055, was prepared in the Washington State Toxicology Laboratory on 12/15/2011. 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 12/15/2012.

Seattle, WA

01/03/2012

Christopher S. Johnston Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11055

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 11055, was prepared in the Washington State Toxicology Laboratory on 12/15/2011. 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 12/15/2012.

Seattle, WA

Brianne E. O'Reilly 1·4·12

Brianne E. O'Reilly 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: 12/15/11 Initials of Preparer: N N

Expiration Date: 12/15/12

Lot # of 200-proof Ethanol used in preparation: ZW 0039

Date the 200-proof Ethanol bottle was opened: 11/14/11

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	☑	11055

Stir bar is rotating	☑	
Stirred for minimum 30 minutes; 2 hours for ESS	☑	
Spigot purged	☑	
Aliquot taken	☑	
Batch labeled, packaged and sealed	☑	12/15/11 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:

Analyst Signature

12/15/11
Date

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:	111215NN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot# E1111-01 - exp 2/10/2012
Cal 2- Lot# E1111-02 - exp 2/10/2012
Cal 3- Lot# E1111-03 - exp 2/10/2012

0.04 Control - Lot # A075264 - exp 10/2014
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# E1111-01
3	Vial 3	Lot# E1111-02
4	Vial 4	Lot# E1111-03
5	Vial 5	
6	Vial 6	Lot# A075264
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	

11055

NN 12/15/11

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 11055-1	SIMALC3	1	Sample		
11	Vial 11	ESS 11055-2	SIMALC3	1	Sample		
12	Vial 12	ESS 11055-3	SIMALC3	1	Sample		
13	Vial 13	ESS 11055-4	SIMALC3	1	Sample		
14	Vial 14	ESS 11055-5	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!

11055

NN 12/15/11

Calibration Table

Calib. Data Modified : Thursday, December 15, 2011 10:44:13 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	7.86300e-2	495.63873	1.58644e-4		1	Ethanol
		2	1.55890e-1	995.22876	1.56637e-4			
		3	3.12180e-1	2002.58252	1.55889e-4			
1.824	1	1	1.00000	1308.15674	7.64434e-4	I1		n-Propanol
		2	1.00000	1314.00305	7.61033e-4			
		3	1.00000	1313.15259	7.61526e-4			

Peak Sum Table

No Entries in table

11055

NN 12/15/11

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Calibration Curves

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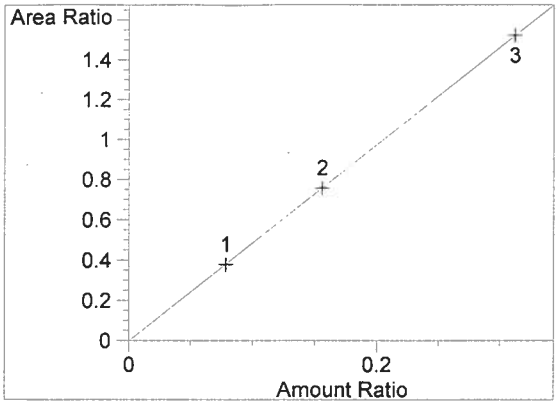
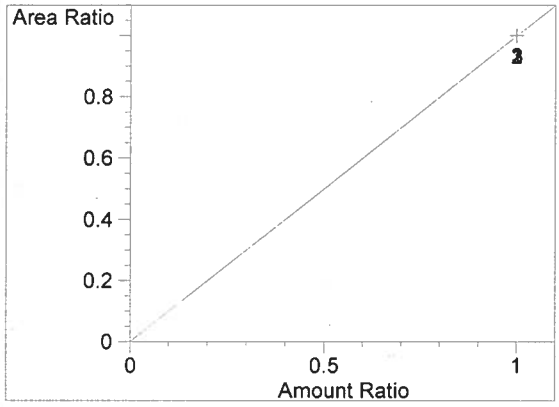


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00328
Formula: y = mx + b
m: 4.88927
b: -2.91554e-3
x: Amount Ratio
y: Area Ratio



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

==========

11055

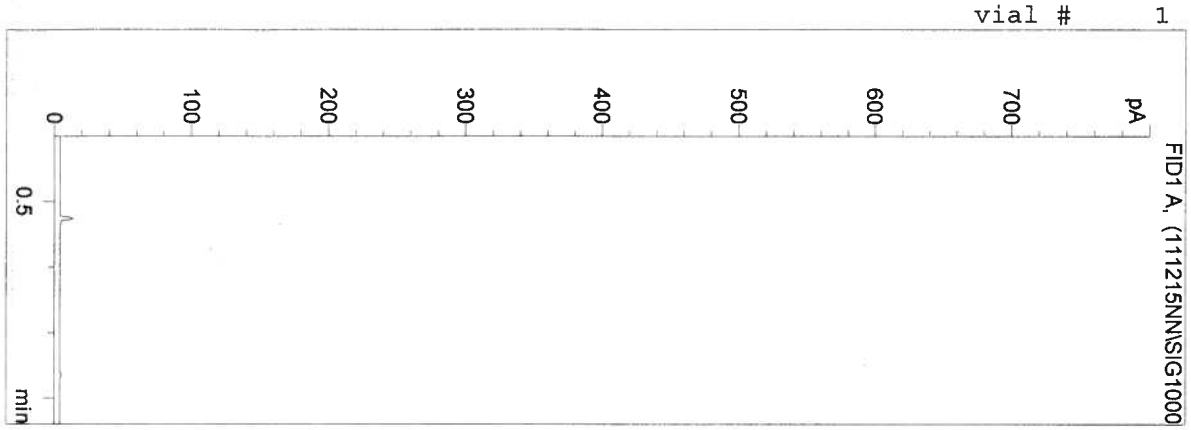
NN 12/15/11

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/15/2011 10:32:39 AM
Instrument 3
DB-ALC2

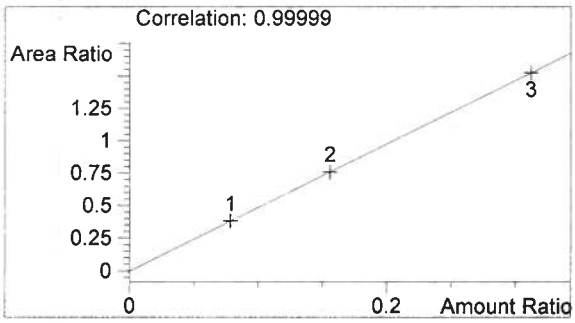
BLANK
Naziha Nuwayhid, PhD

vial # 1

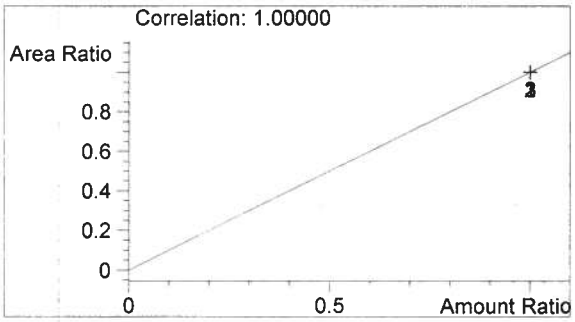


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

11055

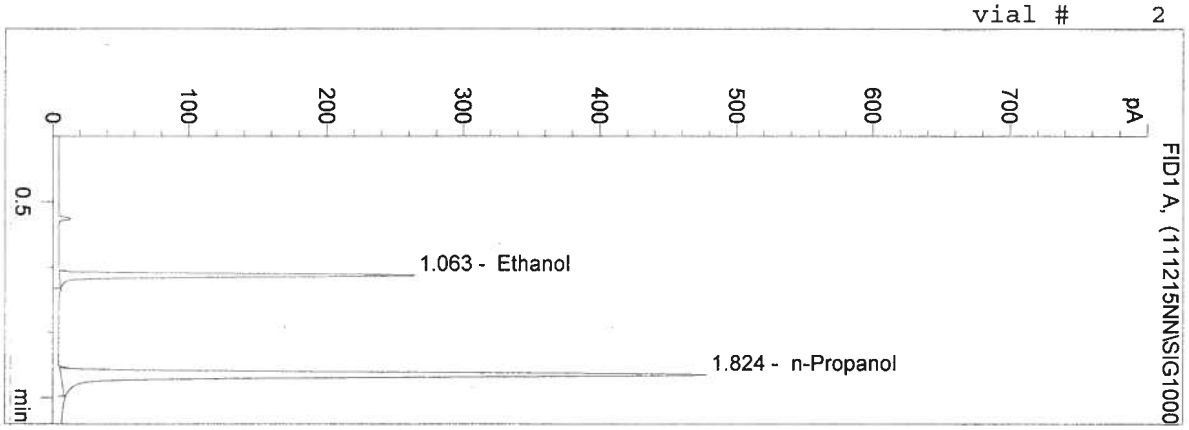
NN
12/15/11

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/15/2011 10:35:46 AM
Instrument 3
DB-ALC2

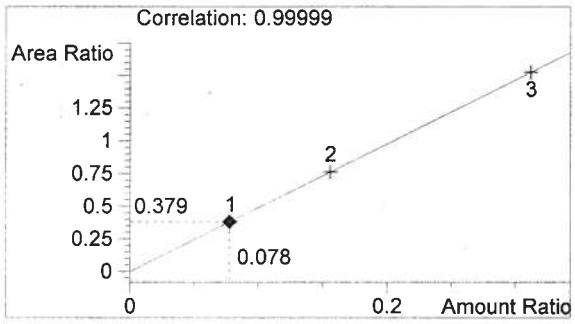
0.079 CAL 1
Naziha Nuwayhid, PhD

vial # 2

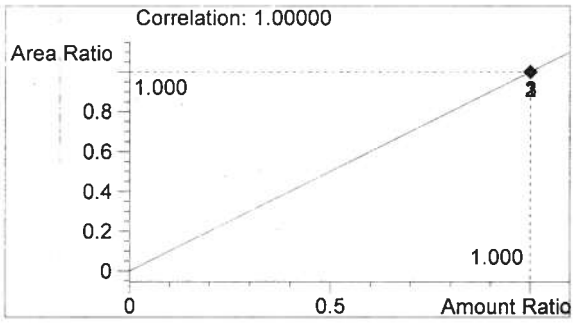


#	Compound	Area	RT
1	Ethanol	496	1.063
2	n-Propanol	1308	1.824

Totals:



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

11055

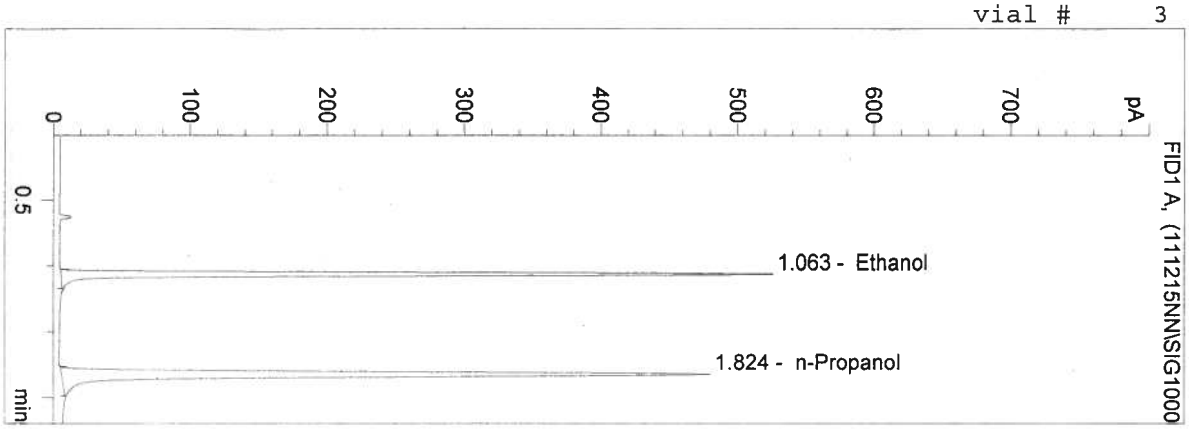
NN
12/15/11

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/15/2011 10:38:54 AM
Instrument 3
DB-ALC2

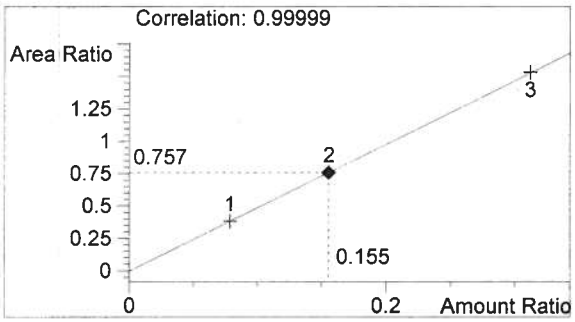
0.158 CAL 2
Naziha Nuwayhid, PhD

vial # 3

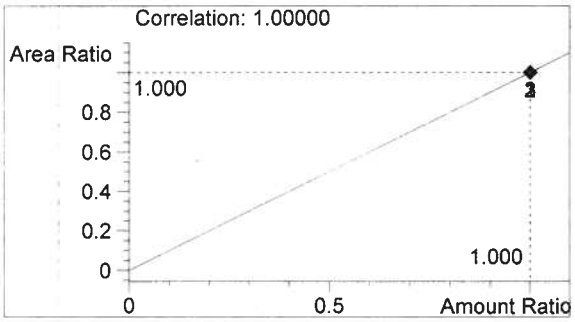


#	Compound	Area	RT
1	Ethanol	995	1.063
2	n-Propanol	1314	1.824

Totals:



Ethanol 0.155 g/100ml



n-Propanol 1.000 g/100ml

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NN 12/15/11

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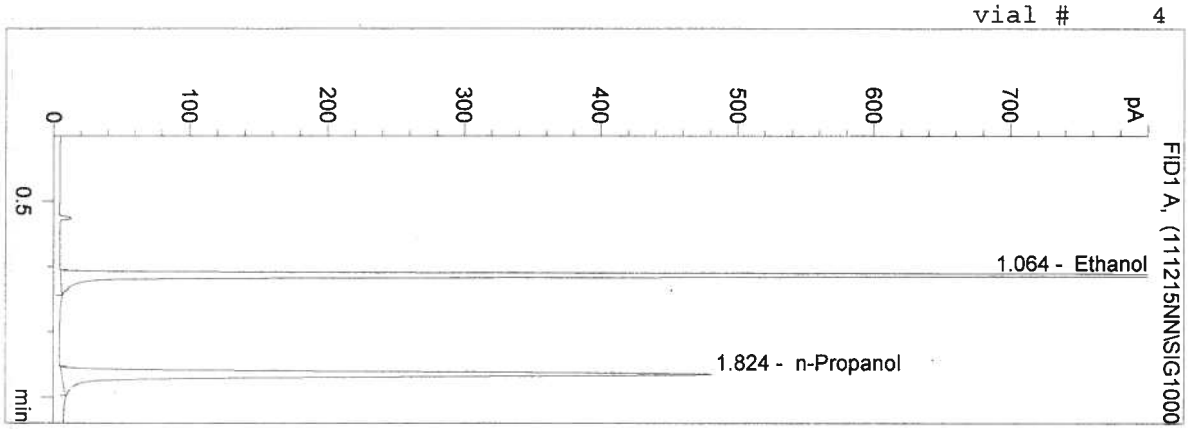
12/15/2011 10:42:01 AM
Instrument 3
DB-ALC2

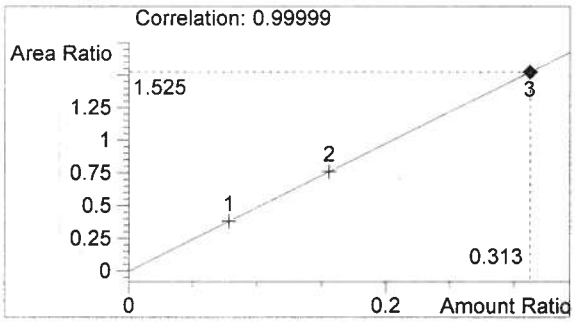
0.316 CAL 3
Naziha Nuwayhid, PhD

vial # 4

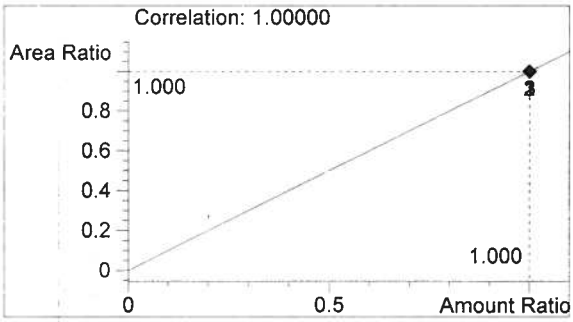


#	Compound	Area	RT
1	Ethanol	2003	1.064
2	n-Propanol	1313	1.824

Totals:



Ethanol 0.313 g/100ml



n-Propanol 1.000 g/100ml

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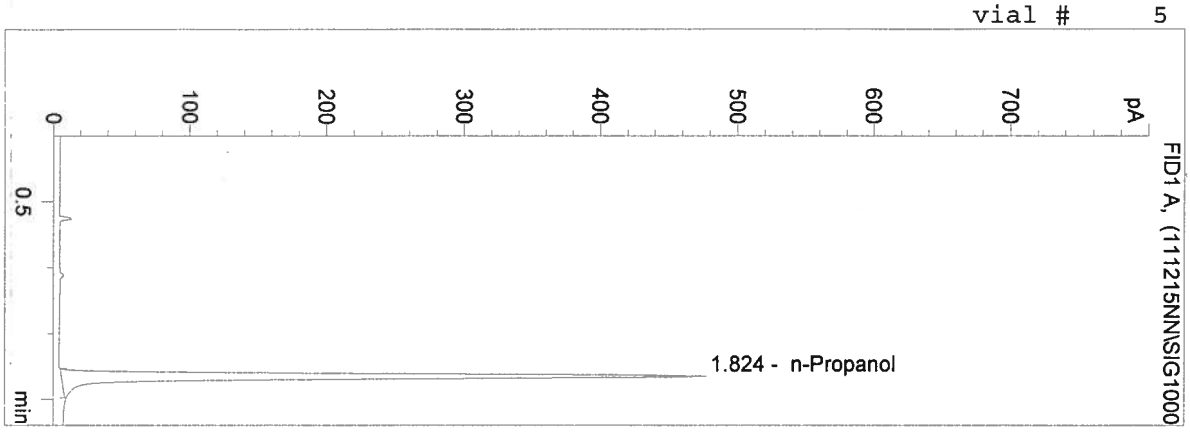
Instrument 3
DB-ALC2

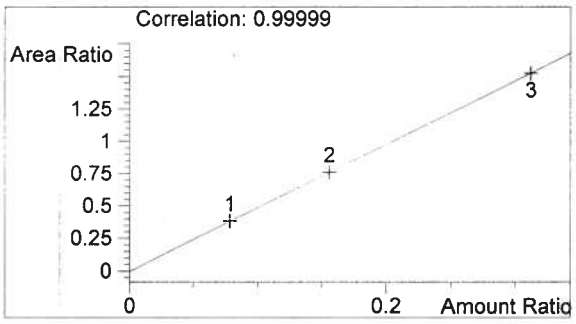
NEG CTRL-NN
Naziha Nuwayhid, PhD

vial # 5

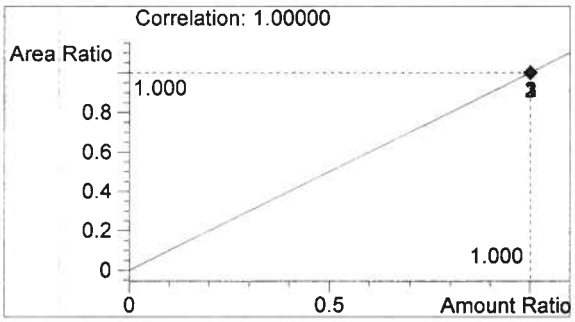


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1311	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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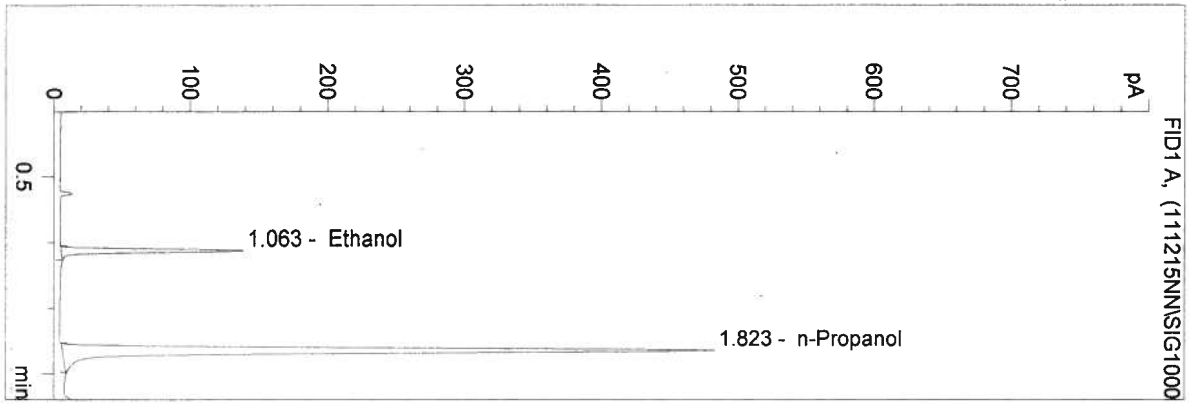
Instrument 3
DB-ALC2

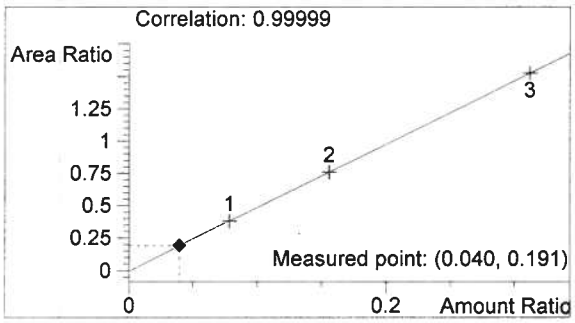
0.04 CTRL-NN
Naziha Nuwayhid, PhD

vial # 6

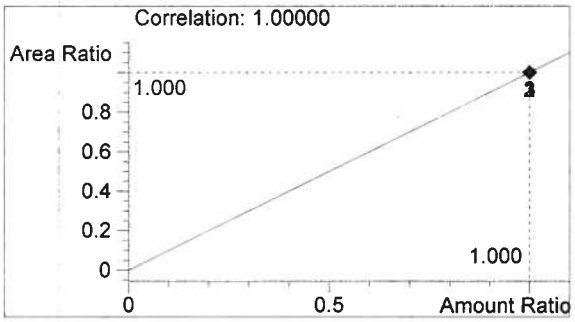


#	Compound	Area	RT
1	Ethanol	252	1.063
2	n-Propanol	1321	1.823

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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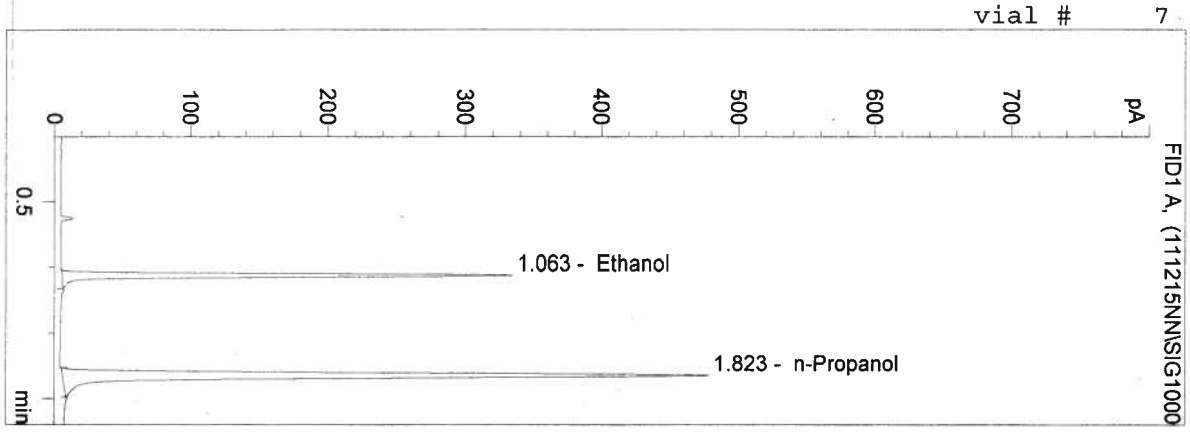
Instrument 3
DB-ALC2

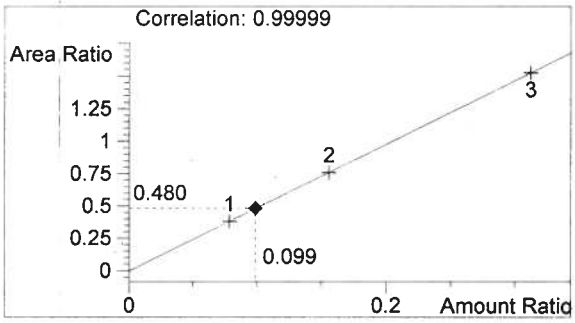
0.10 CTRL-NN
Naziha Nuwayhid, PhD

vial # 7

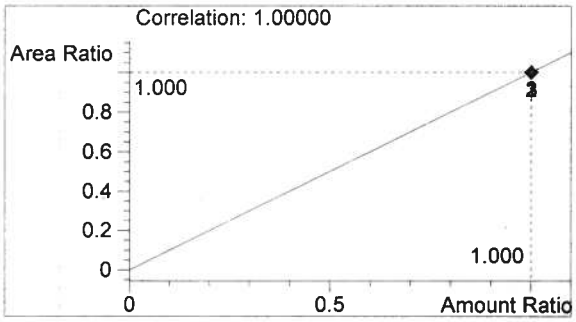


#	Compound	Area	RT
1	Ethanol	628	1.063
2	n-Propanol	1308	1.823

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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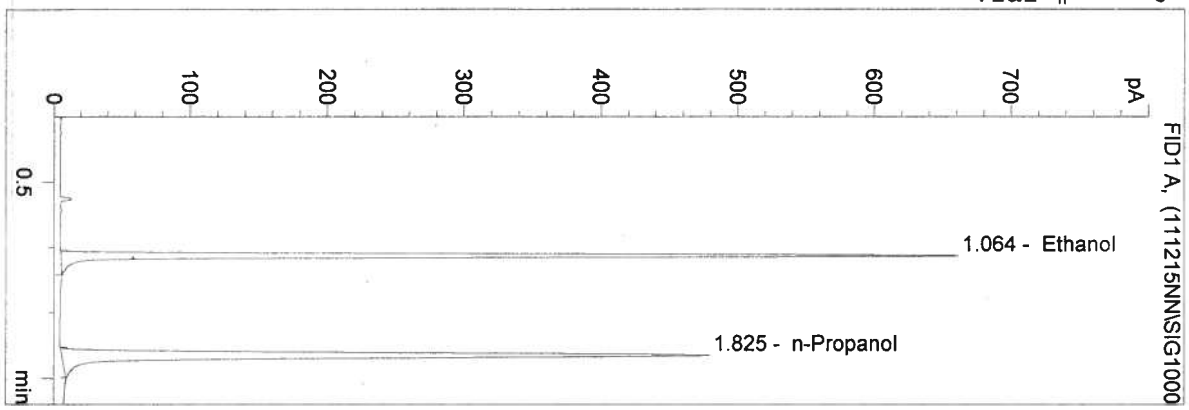
Instrument 3
DB-ALC2

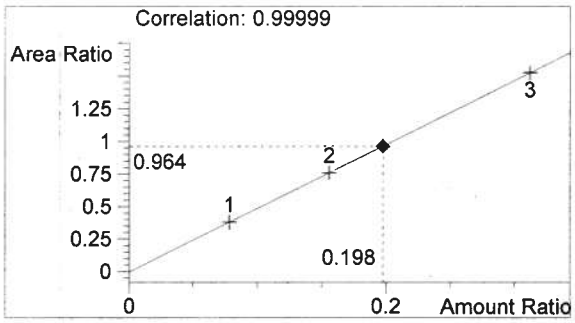
0.20 CTRL-NN
Naziha Nuwayhid, PhD

vial # 8

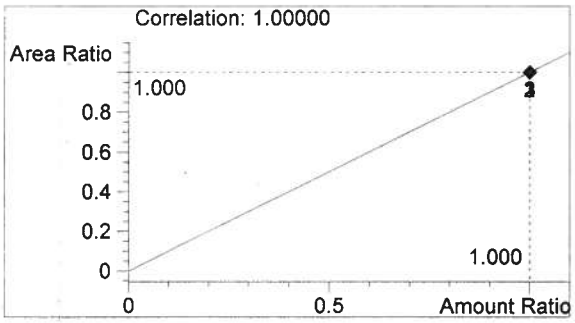


#	Compound	Area	RT
1	Ethanol	1265	1.064
2	n-Propanol	1313	1.825

Totals:



Ethanol 0.198 g/100ml



n-Propanol 1.000 g/100ml

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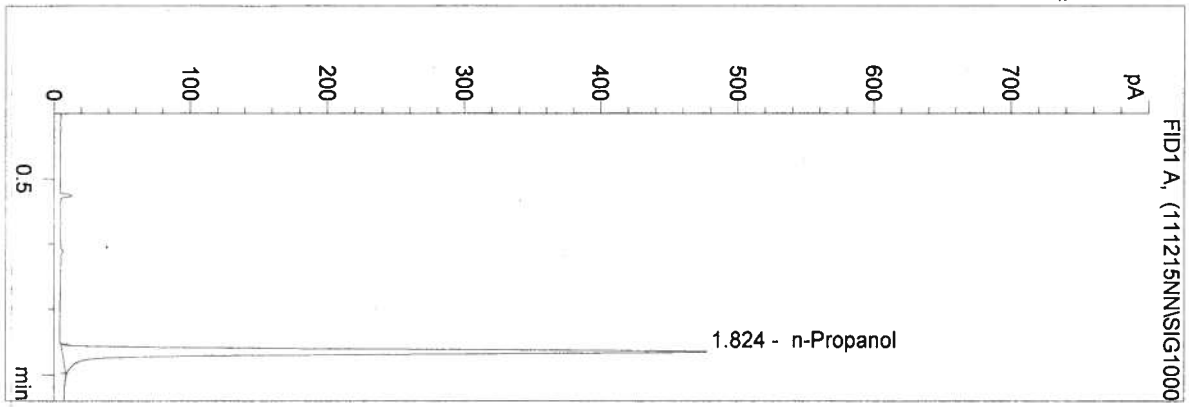
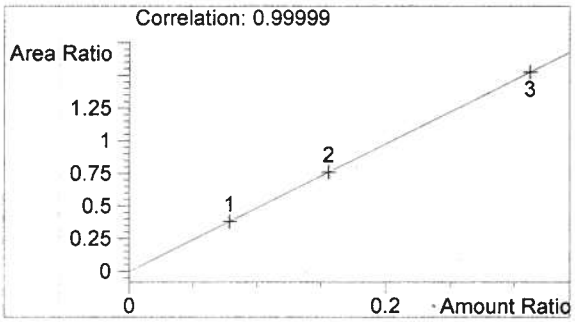
Instrument 3
DB-ALC2

NEG CTRL-NN
Naziha Nuwayhid, PhD

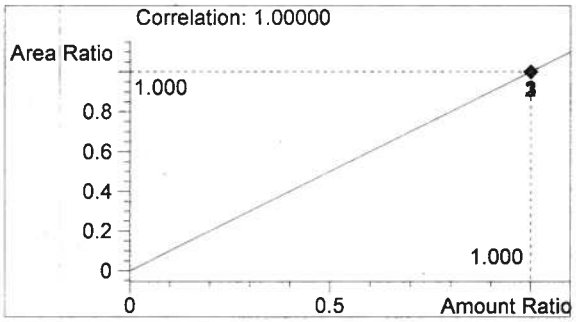
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1307	1.824
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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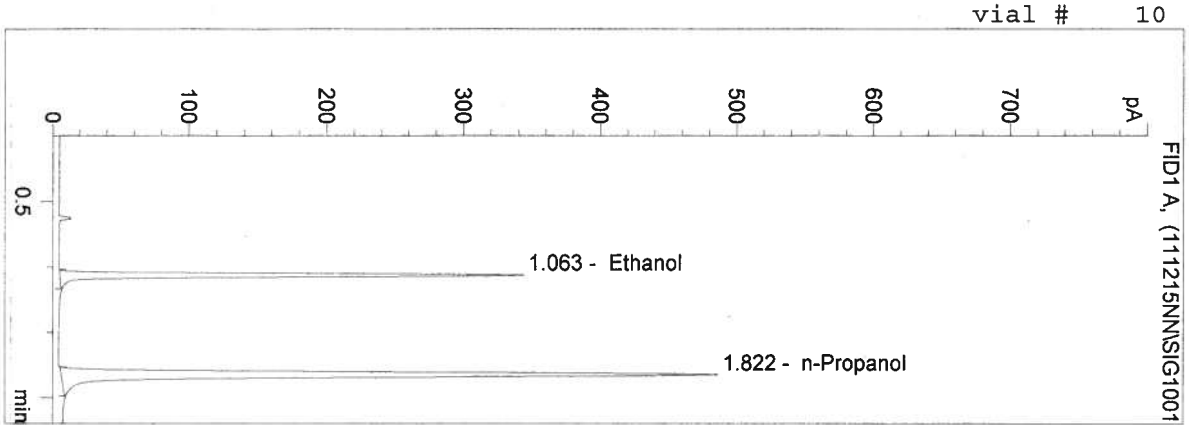
Instrument 3
DB-ALC2

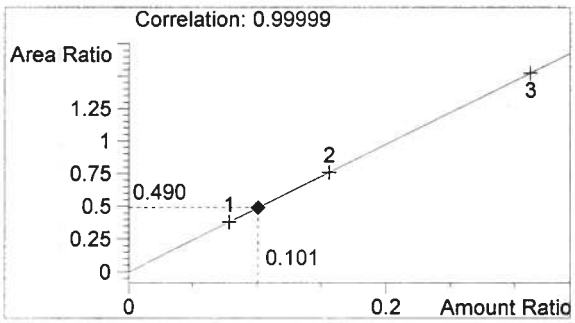
ESS 11055-1
Naziha Nuwayhid, PhD

vial # 10

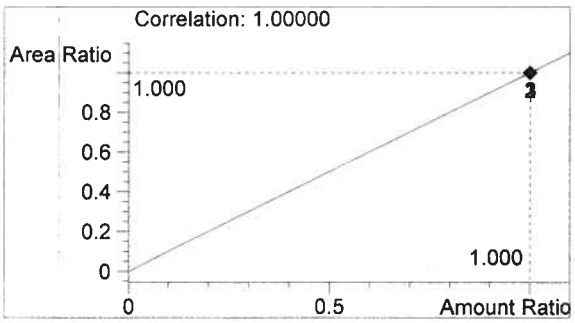


#	Compound	Area	RT
1	Ethanol	651	1.063
2	n-Propanol	1329	1.822

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

NN 12/15/11

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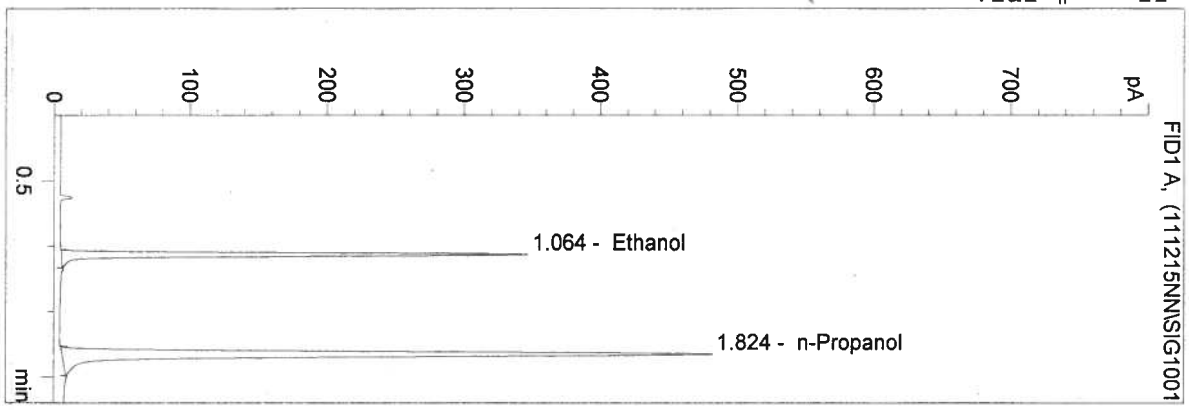
Instrument 3
DB-ALC2

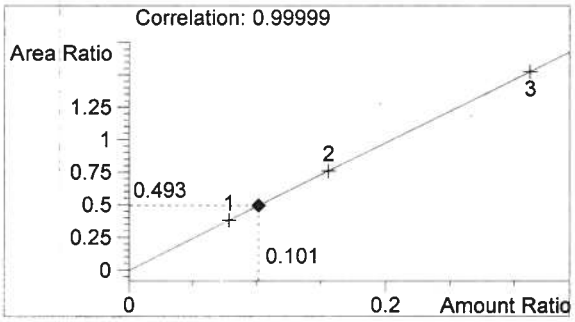
ESS 11055-2
Naziha Nuwayhid, PhD

vial # 11

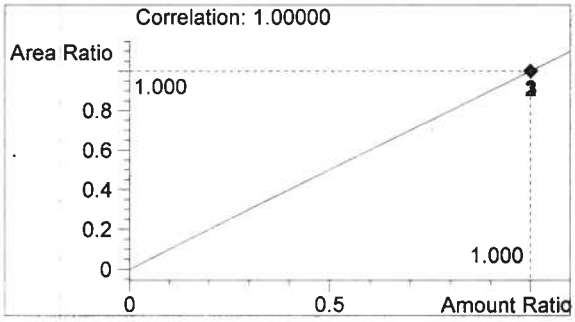


#	Compound	Area	RT
1	Ethanol	652	1.064
2	n-Propanol	1322	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

NN 12/15/11

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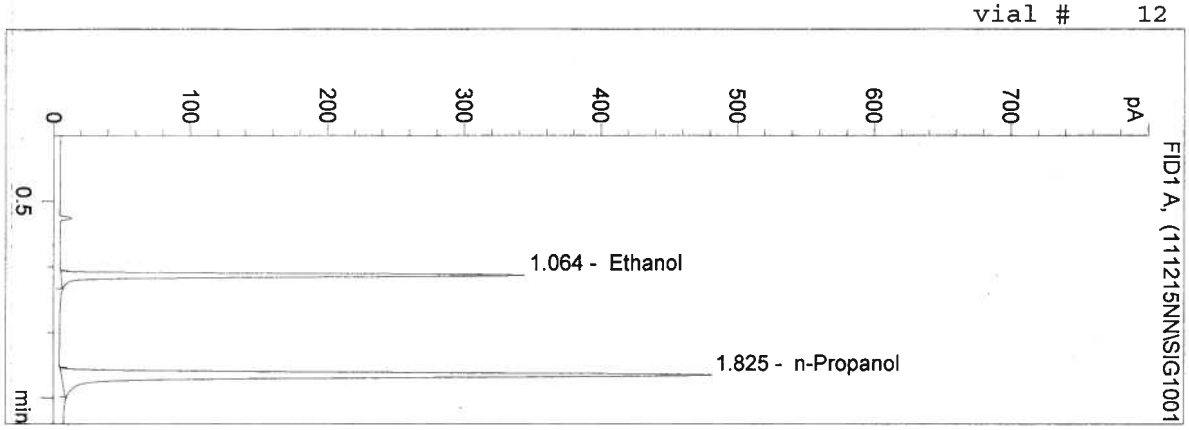
12/15/2011 11:06:59 AM
Instrument 3
DB-ALC2

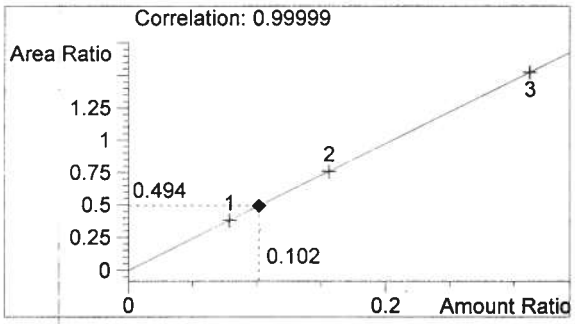
ESS 11055-3
Naziha Nuwayhid, PhD

vial # 12

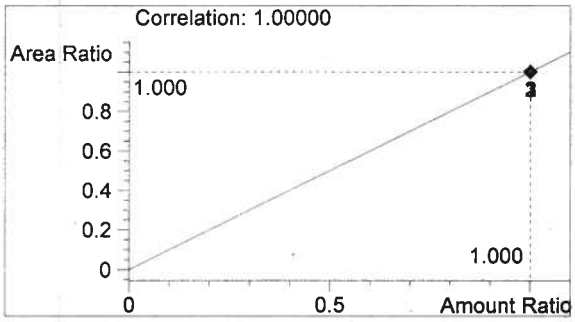


#	Compound	Area	RT
1	Ethanol	653	1.064
2	n-Propanol	1323	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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12/15/11

WASHINGTON STATE TOXICOLOGY LABORATORY

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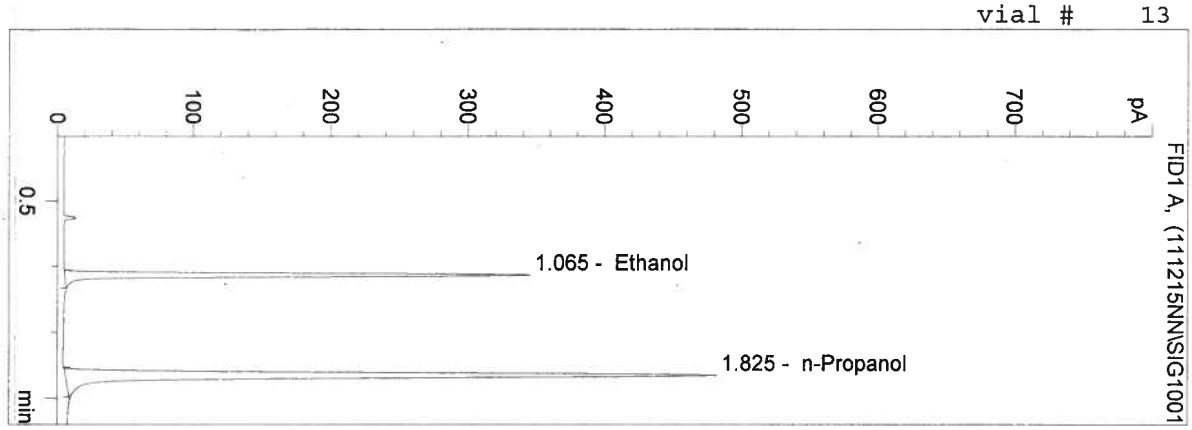
Instrument 3
DB-ALC2

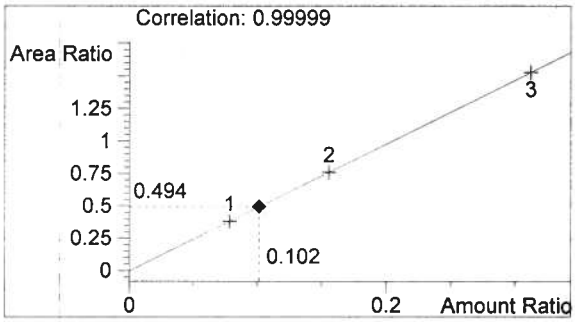
ESS 11055-4
Naziha Nuwayhid, PhD

vial # 13

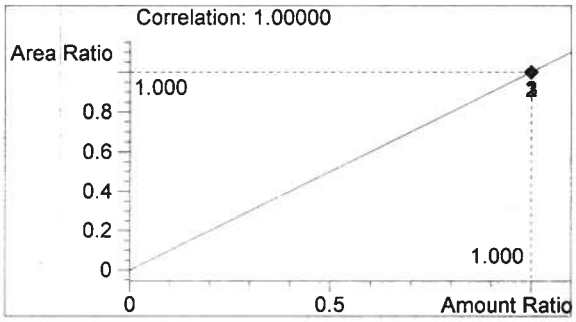


#	Compound	Area	RT
1	Ethanol	654	1.065
2	n-Propanol	1324	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

NN
12/15/11

WASHINGTON STATE TOXICOLOGY LABORATORY

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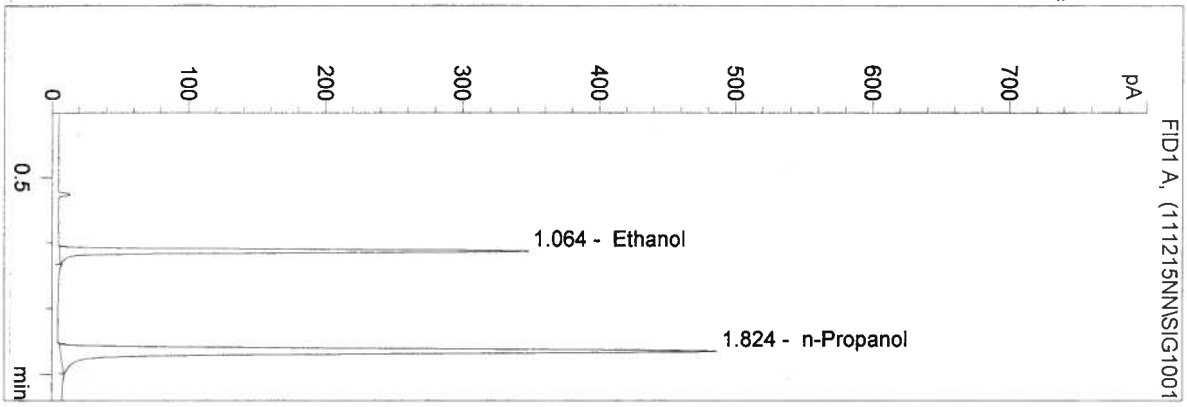
Instrument 3
DB-ALC2

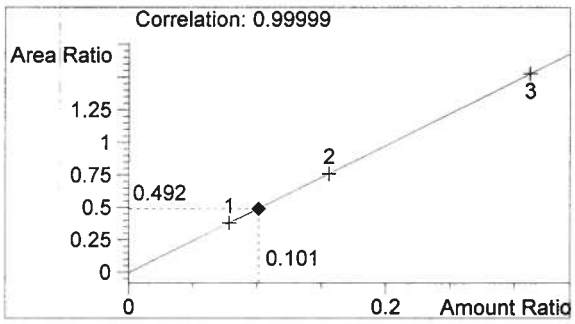
ESS 11055-5
Naziha Nuwayhid, PhD

vial # 14

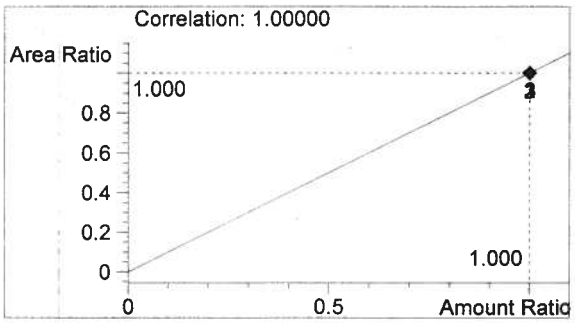


#	Compound	Area	RT
1	Ethanol	654	1.064
2	n-Propanol	1329	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

NN 12/15/11

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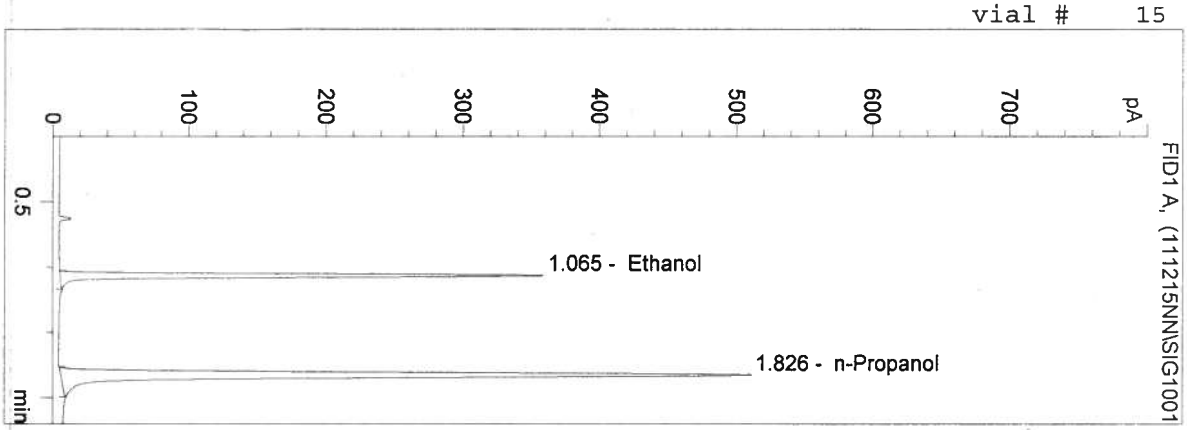
Instrument 3
DB-ALC2

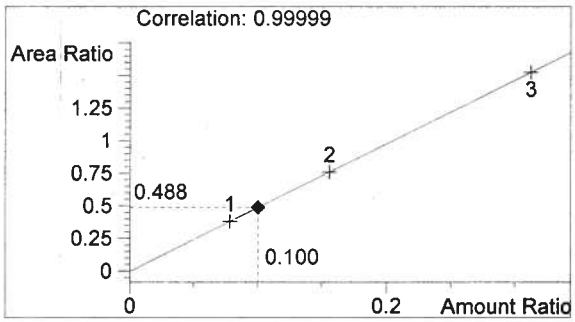
0.10 CTRL-NN
Naziha Nuwayhid, PhD

vial # 15

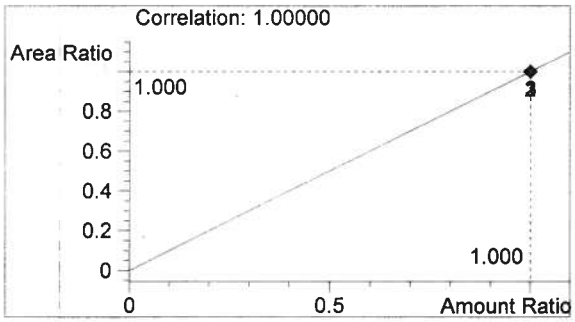


#	Compound	Area	RT
1	Ethanol	684	1.065
2	n-Propanol	1400	1.826

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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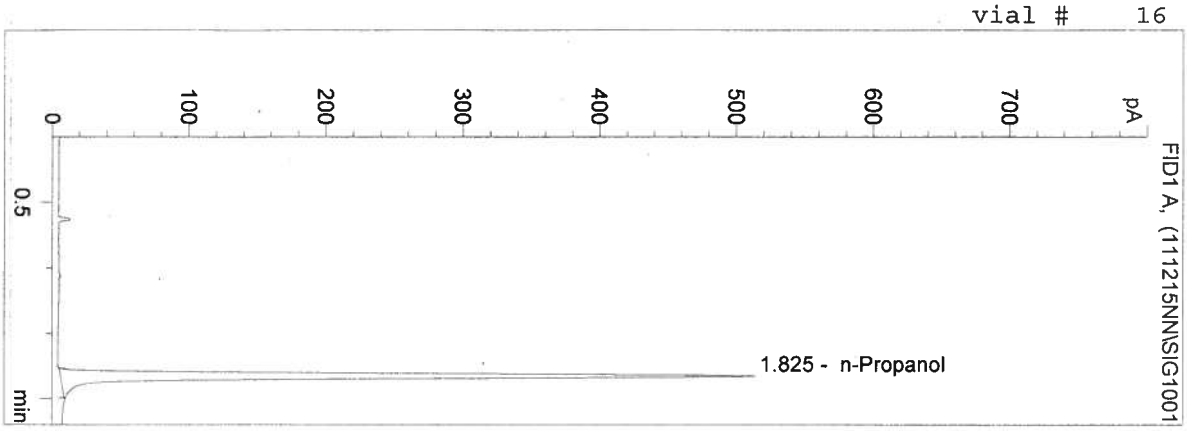
Instrument 3
DB-ALC2

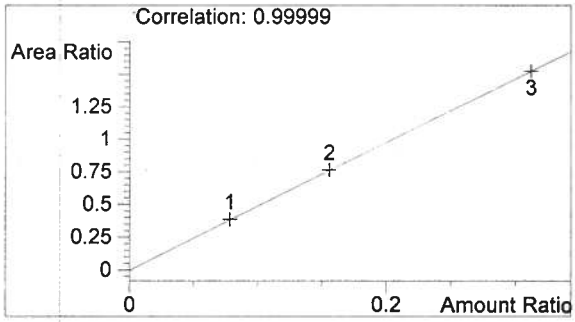
NEG CTRL-NN
Naziha Nuwayhid, PhD

vial # 16

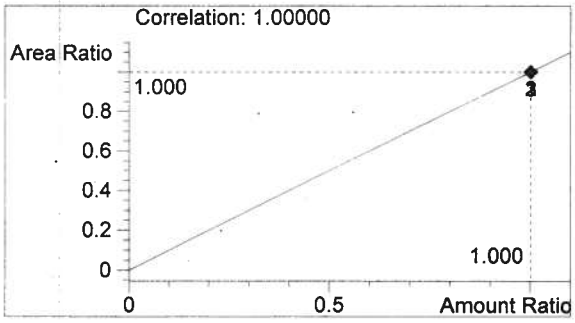


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1409	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11055

NN 12/15/11

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:	111215DC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot# E1111-01 Exp 02/10/2012
Cal 2- Lot# E1111-02 Exp 02/10/2012
Cal 3- Lot# E1111-03 Exp 02/10/2012
0.04 Control - Lot # A075264 - exp 10/2014
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# E1111-01
3	Vial 3	Lot# E1111-02
4	Vial 4	Lot# E1111-03
5	Vial 5	
6	Vial 6	Lot# A075264
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

11055

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	11055 #1	SIMALC3	1	Sample		
11	Vial 11	11055 #2	SIMALC3	1	Sample		
12	Vial 12	11055 #3	SIMALC3	1	Sample		
13	Vial 13	11055 #4	SIMALC3	1	Sample		
14	Vial 14	11055 #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!

11055

DC

Calibration Table

Calib. Data Modified : Thursday, December 15, 2011 1:49:52 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	7.86300e-2	502.75272	1.56399e-4	1		Ethanol
			2	1.55890e-1	1013.51025	1.53812e-4			
			3	3.12180e-1	1999.50317	1.56129e-4			
1.823	1		1	1.00000	1329.54663	7.52136e-4	I1		n-Propanol
			2	1.00000	1340.76929	7.45840e-4			
			3	1.00000	1312.82813	7.61714e-4			

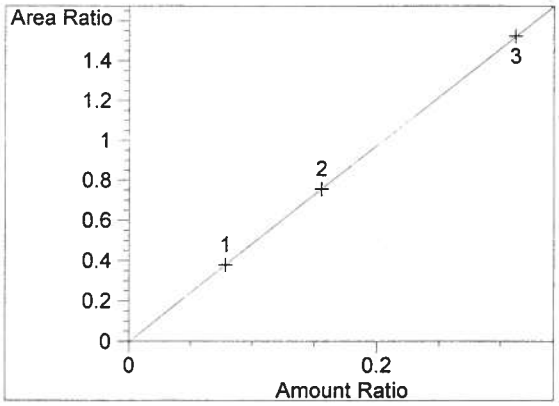
Peak Sum Table

No Entries in table

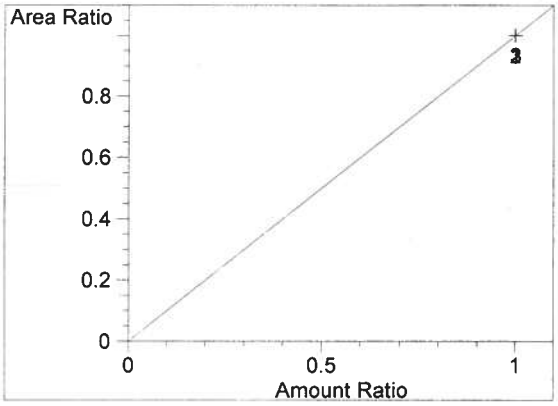
11055

DC

Calibration Curves



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00353
Formula: y = mx + b
m: 4.88306
b: -3.11565e-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

11055

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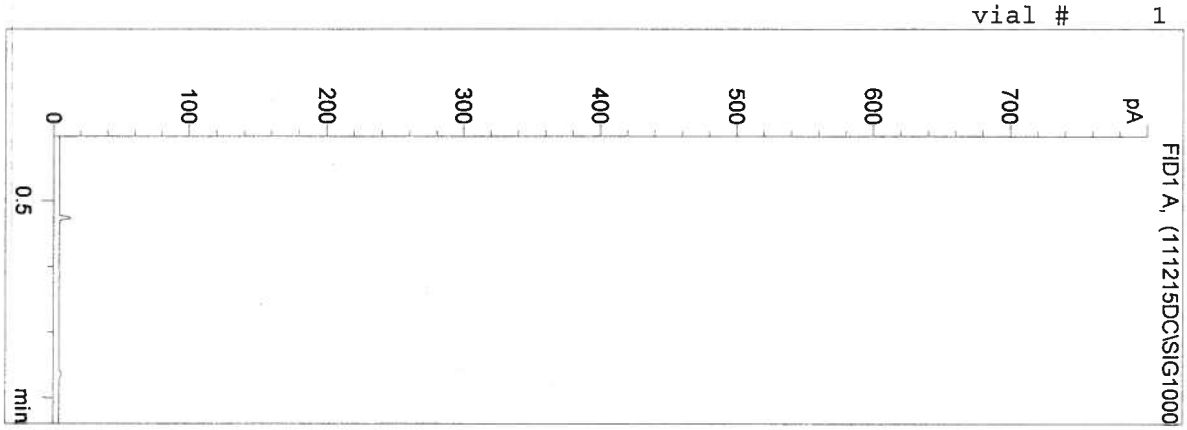
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/15/2011 1:38:18 PM
Instrument 3
DB-ALC2

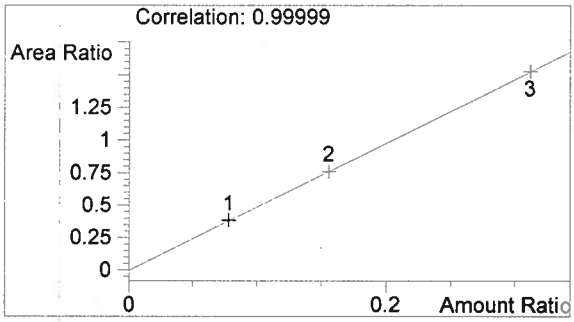
BLANK
Dawn Cox

vial # 1

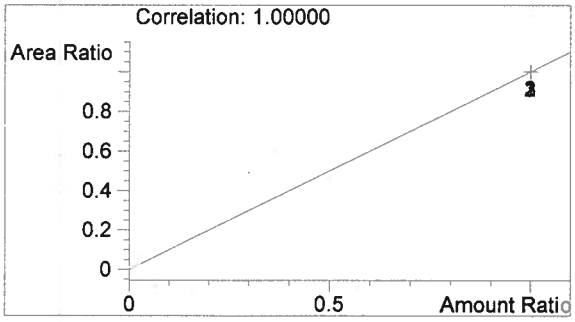


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

11055

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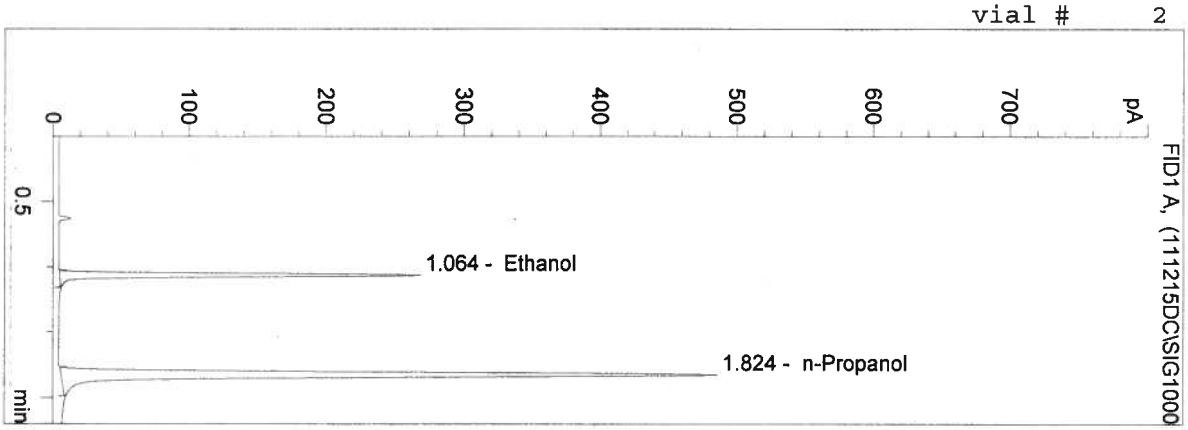
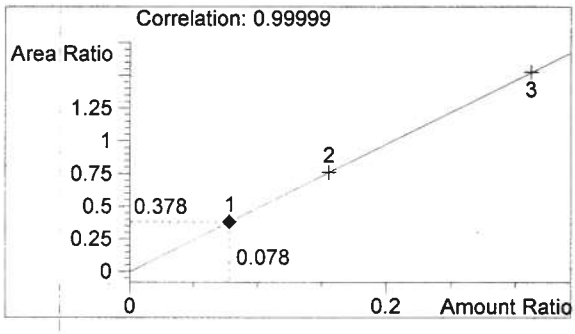
12/15/2011 1:41:25 PM
Instrument 3
DB-ALC2

0.079 CAL 1
Dawn Cox

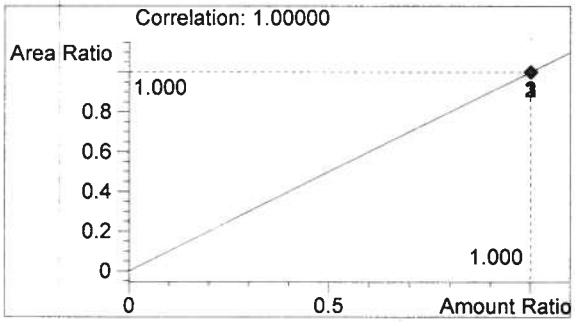
vial # 2



#	Compound	Area	RT
1	Ethanol	503	1.064
2	n-Propanol	1330	1.824
Totals:			



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

11055

DC

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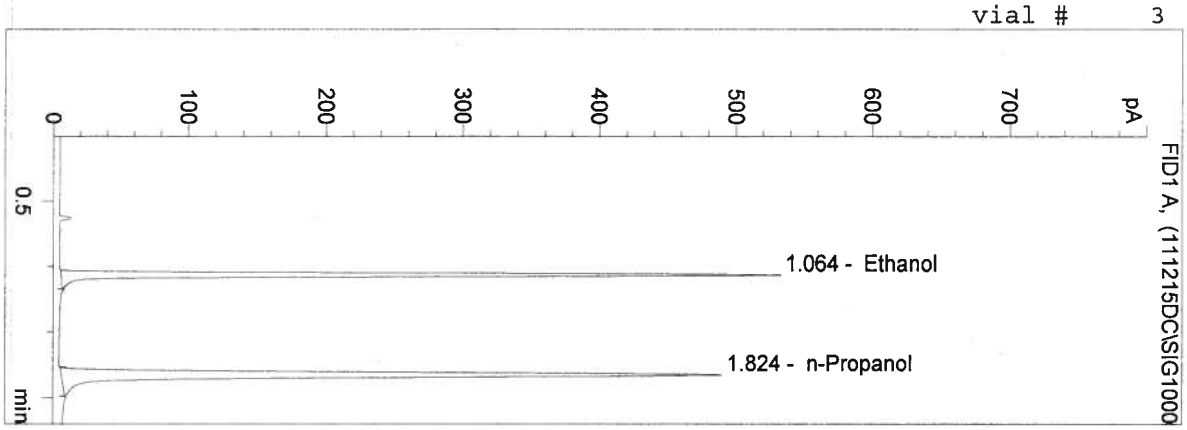
Instrument 3
DB-ALC2

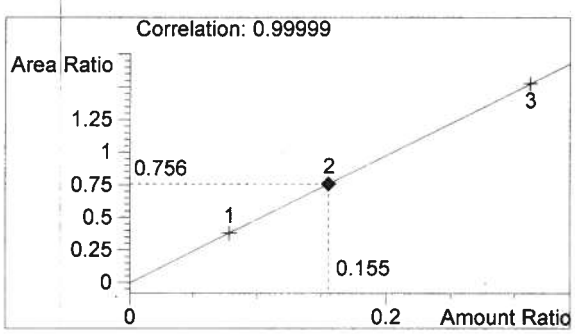
0.158 CAL 2
Dawn Cox

vial # 3

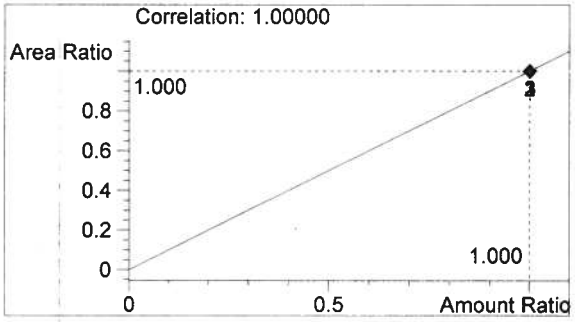


#	Compound	Area	RT
1	Ethanol	1014	1.064
2	n-Propanol	1341	1.824

Totals:



Ethanol 0.155 g/100ml



n-Propanol 1.000 g/100ml

11055

DC

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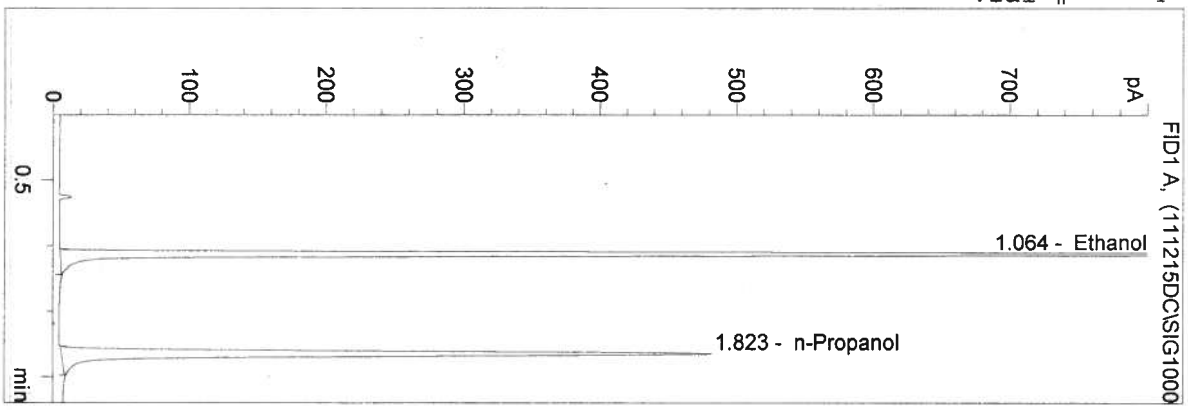
Instrument 3
DB-ALC2

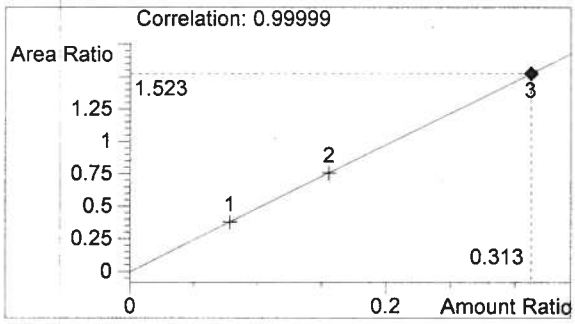
0.316 CAL 3
Dawn Cox

vial # 4

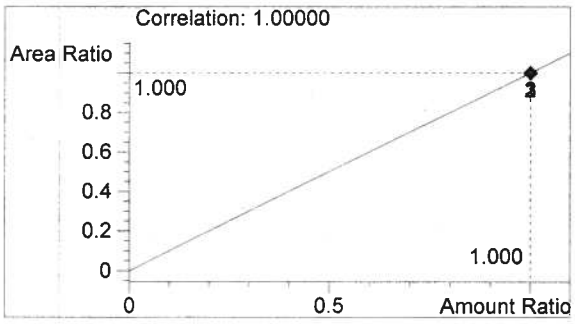


#	Compound	Area	RT
1	Ethanol	2000	1.064
2	n-Propanol	1313	1.823

Totals:



Ethanol 0.313 g/100ml



n-Propanol 1.000 g/100ml

11055

DC

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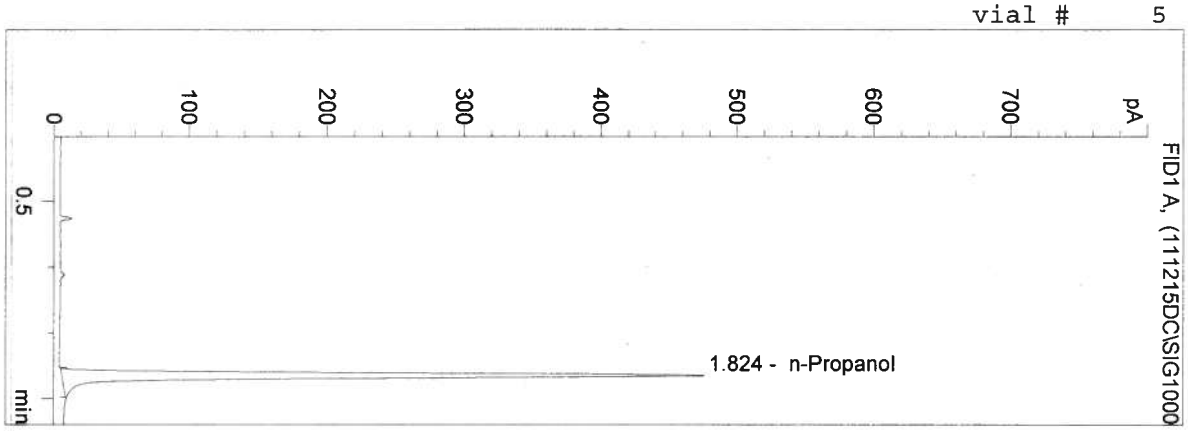
Instrument 3
DB-ALC2

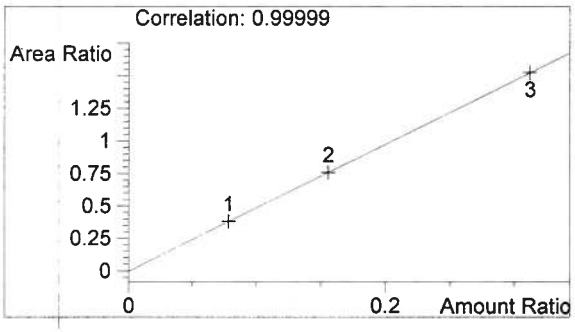
NEG CTRL-DC
Dawn Cox

vial # 5

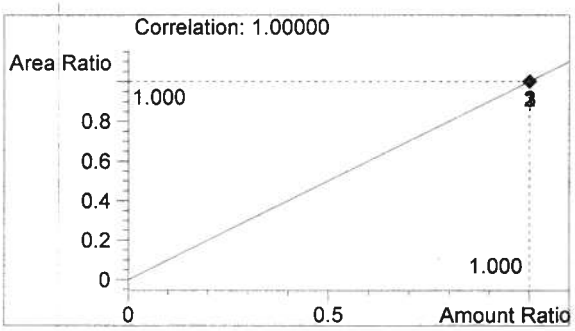


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1301	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11055

DC

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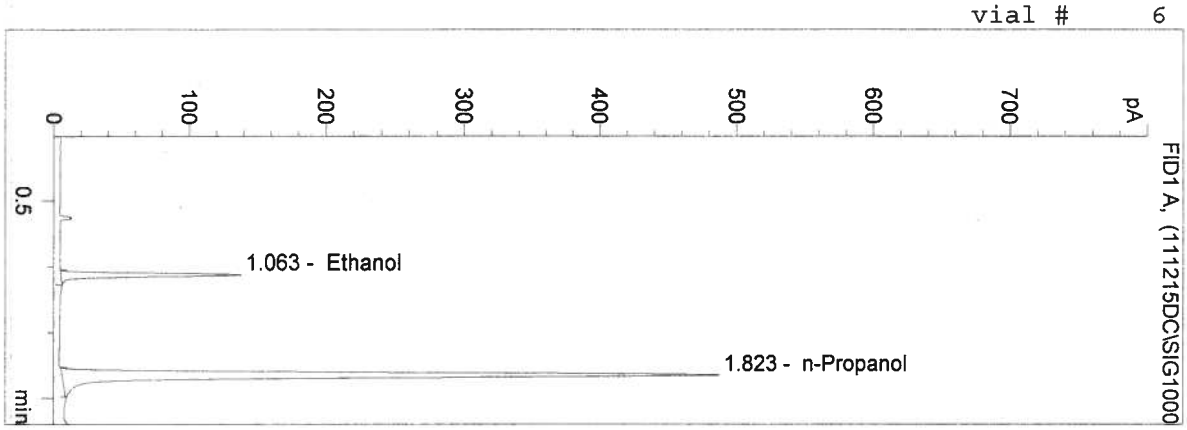
Instrument 3
DB-ALC2

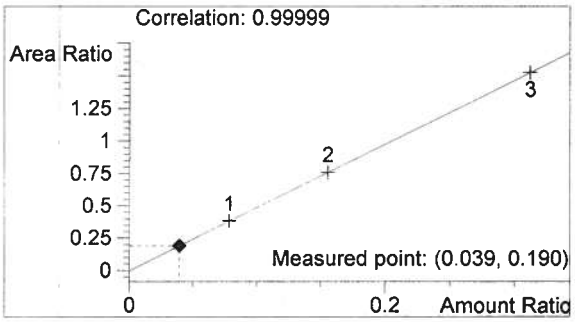
0.04 CTRL-DC
Dawn Cox

vial # 6

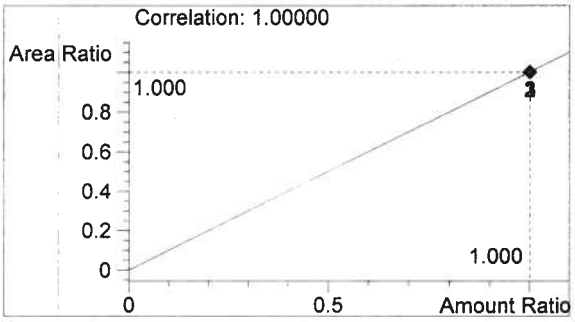


#	Compound	Area	RT
1	Ethanol	253	1.063
2	n-Propanol	1333	1.823

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

11055

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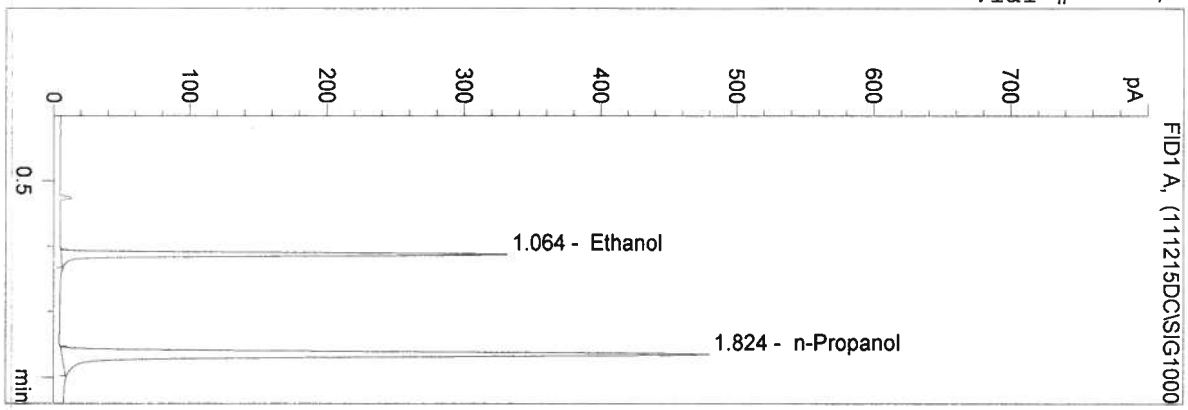
Instrument 3
DB-ALC2

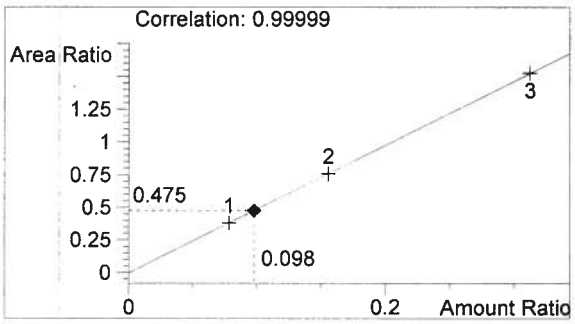
0.10 CTRL-DC
Dawn Cox

vial # 7

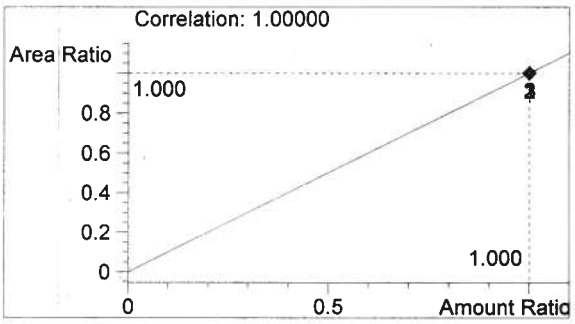


#	Compound	Area	RT
1	Ethanol	624	1.064
2	n-Propanol	1312	1.824

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

11055

DC

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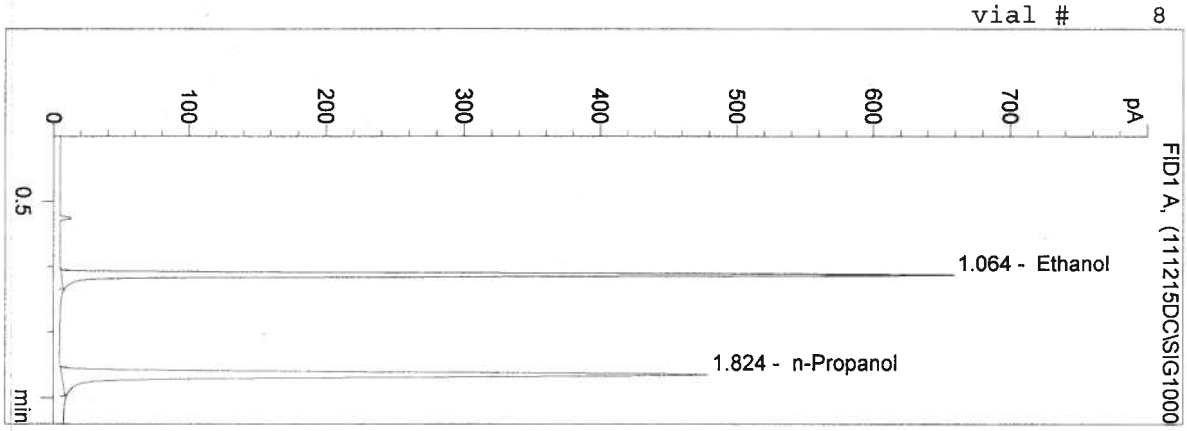
12/15/2011 2:00:09 PM
Instrument 3
DB-ALC2

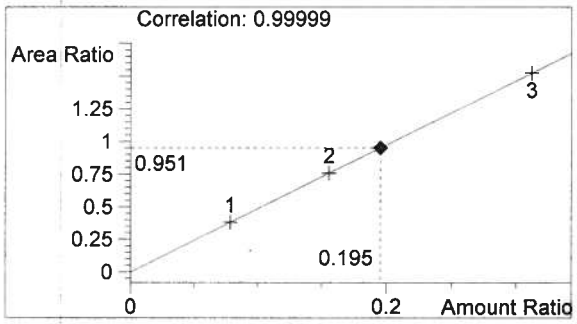
0.20 CTRL-DC
Dawn Cox

vial # 8

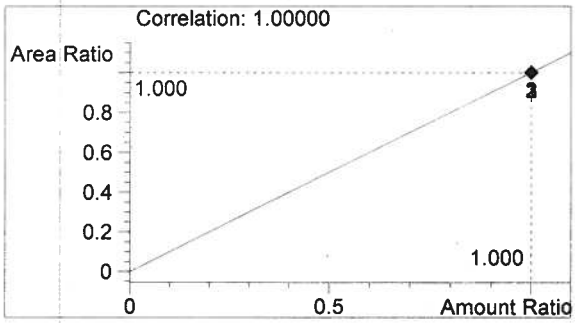


#	Compound	Area	RT
1	Ethanol	1242	1.064
2	n-Propanol	1305	1.824

Totals:



Ethanol 0.195 g/100ml



n-Propanol 1.000 g/100ml

11055

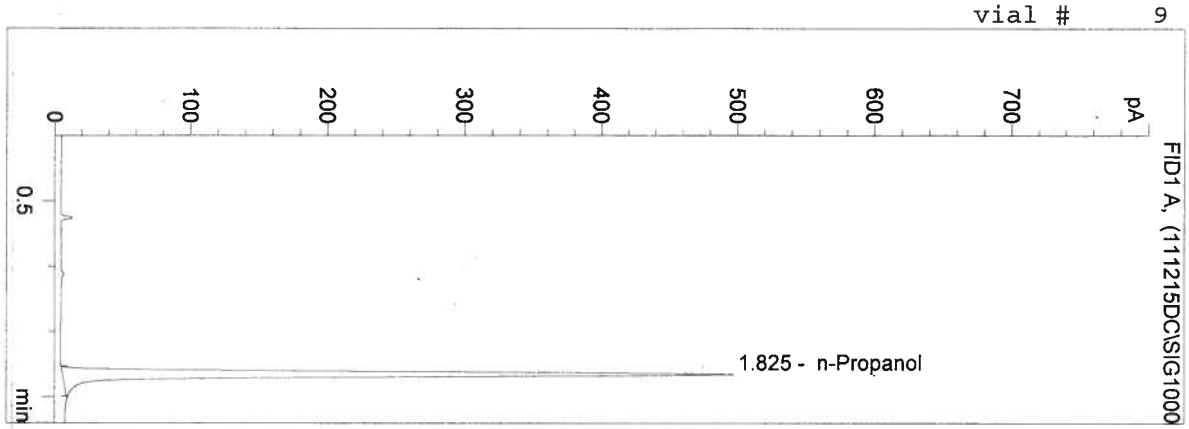
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/15/2011 2:03:16 PM
Instrument 3
DB-ALC2

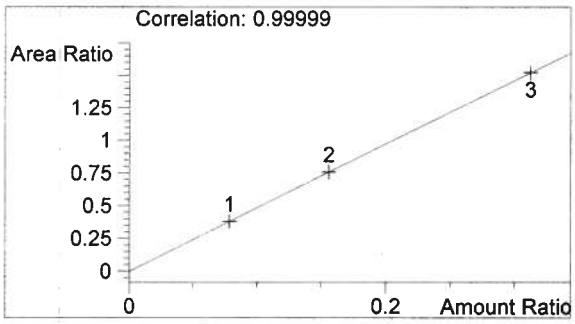
NEG CTRL-DC
Dawn Cox

vial # 9

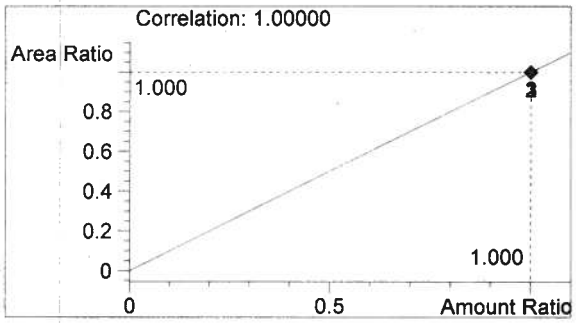


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1366	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11055

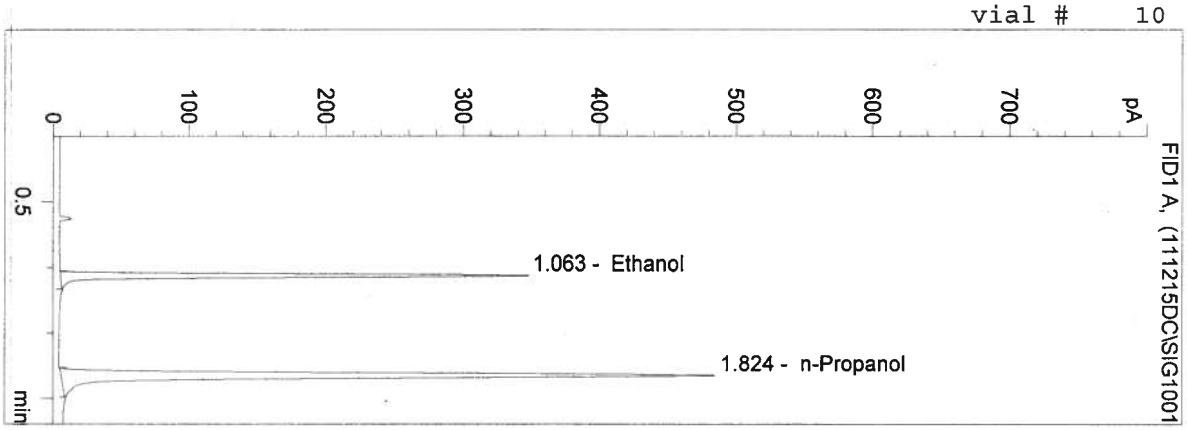
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/15/2011 2:06:23 PM
Instrument 3
DB-ALC2

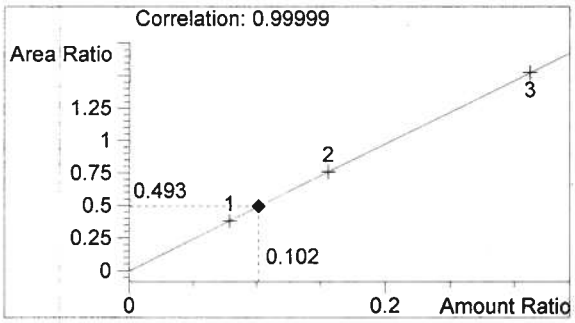
11055 #1
Dawn Cox

vial # 10

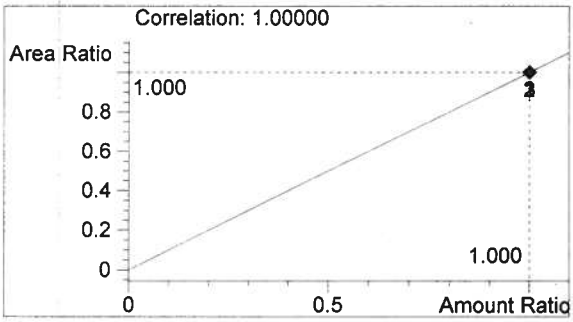


#	Compound	Area	RT
1	Ethanol	650	1.063
2	n-Propanol	1320	1.824

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

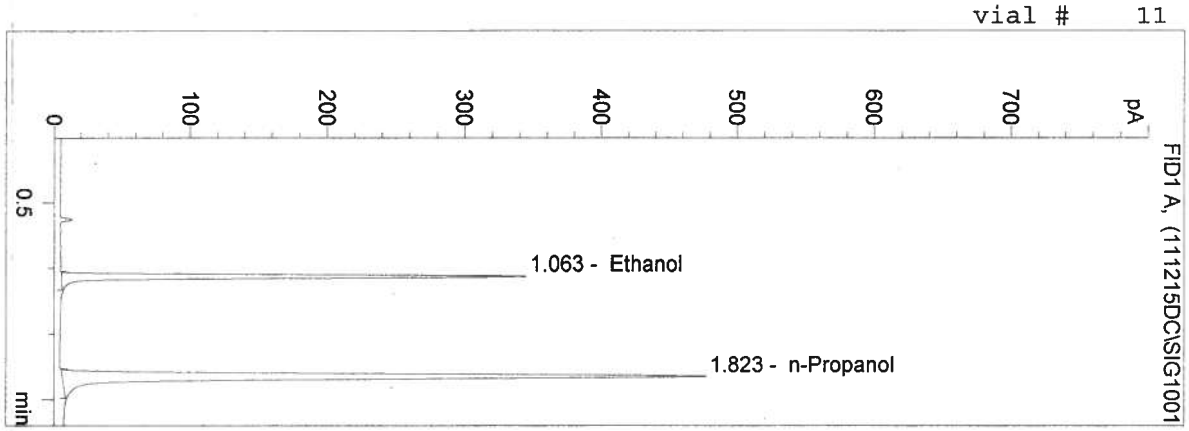
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/15/2011 2:09:30 PM
Instrument 3
DB-ALC2

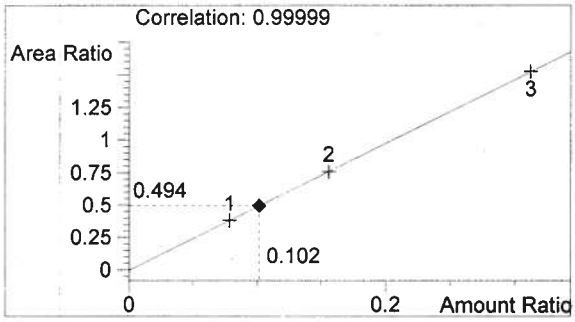
11055 #2
Dawn Cox

vial # 11

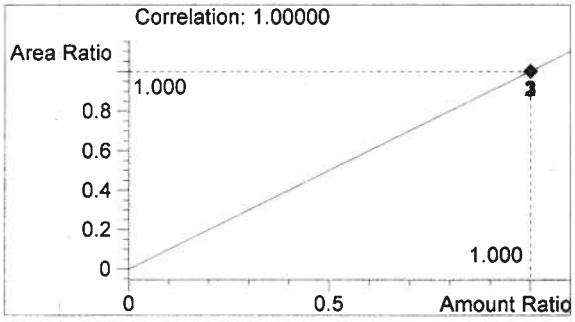


#	Compound	Area	RT
1	Ethanol	641	1.063
2	n-Propanol	1298	1.823

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

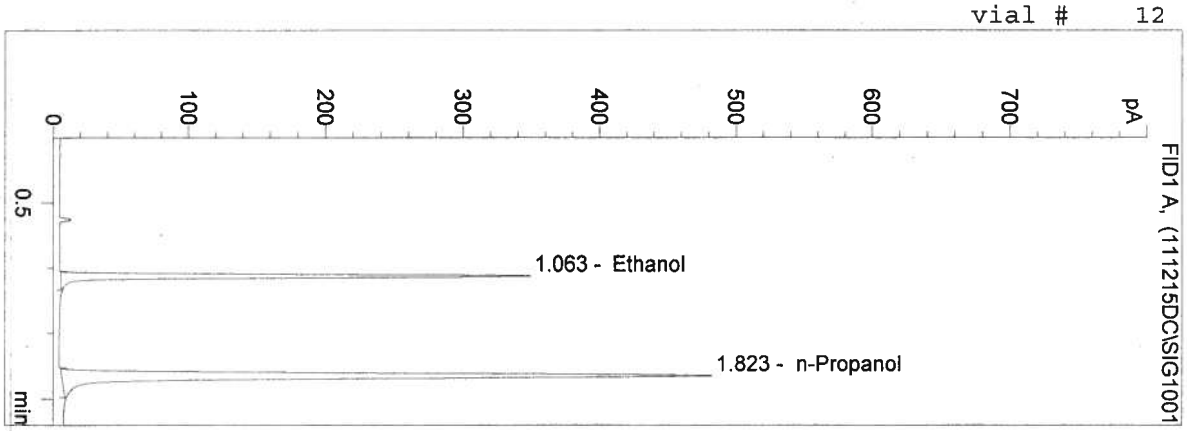
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/15/2011 2:12:37 PM
Instrument 3
DB-ALC2

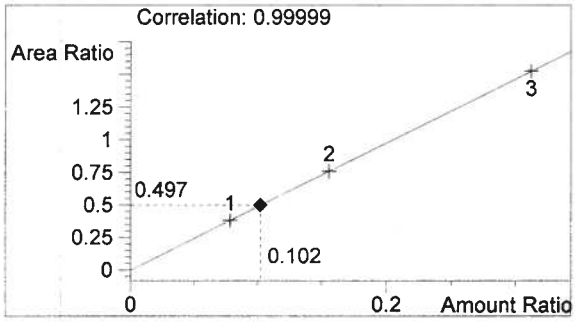
11055 #3
Dawn Cox

vial # 12

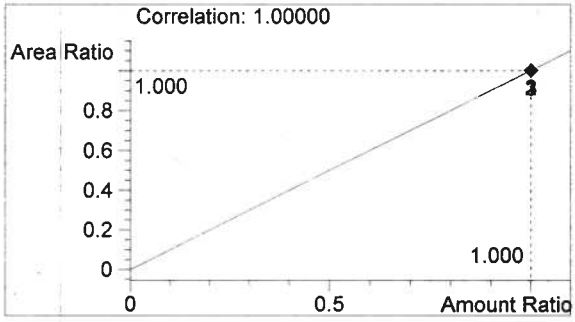


#	Compound	Area	RT
1	Ethanol	655	1.063
2	n-Propanol	1318	1.823

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

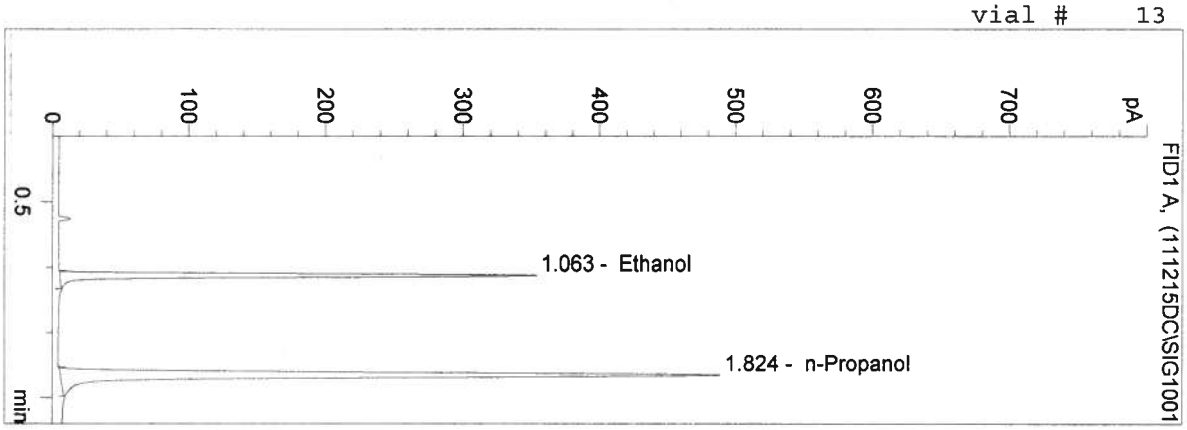
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/15/2011 2:15:45 PM
Instrument 3
DB-ALC2

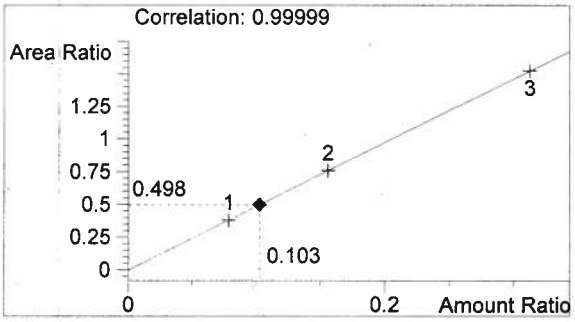
11055 #4
Dawn Cox

vial # 13

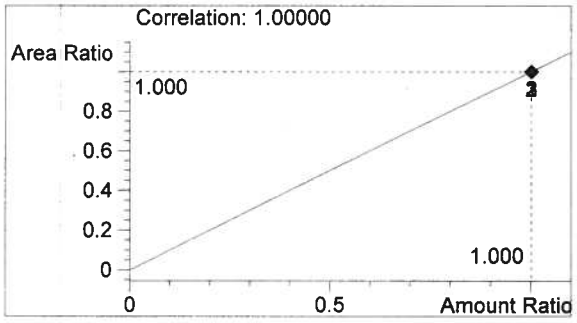


#	Compound	Area	RT
1	Ethanol	667	1.063
2	n-Propanol	1339	1.824

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

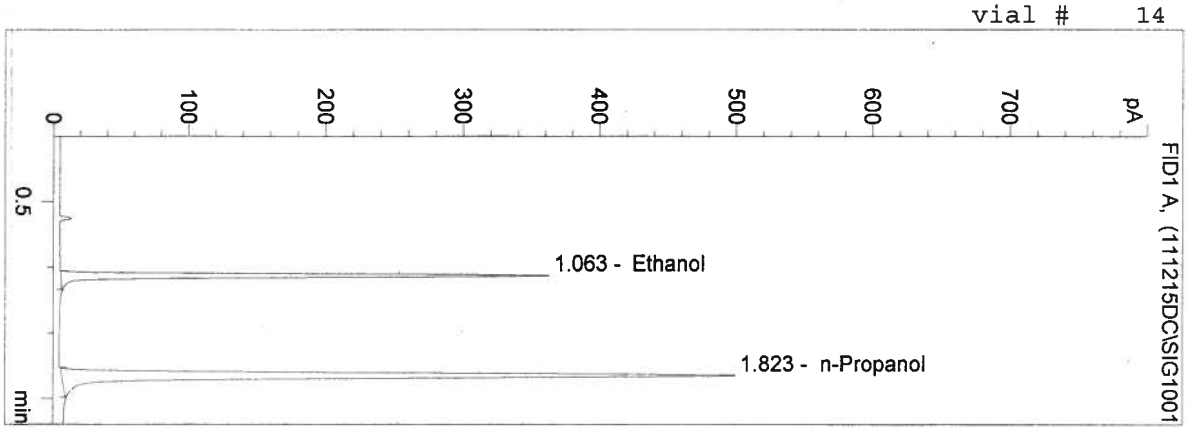
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/15/2011 2:18:52 PM
Instrument 3
DB-ALC2

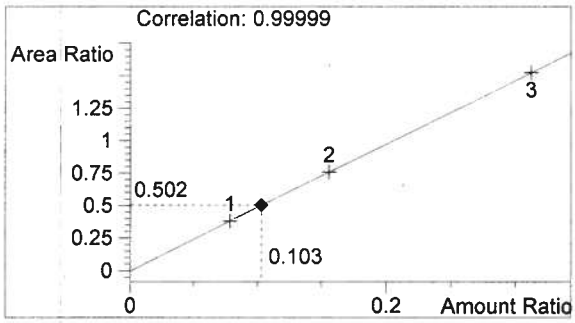
11055 #5
Dawn Cox

vial # 14

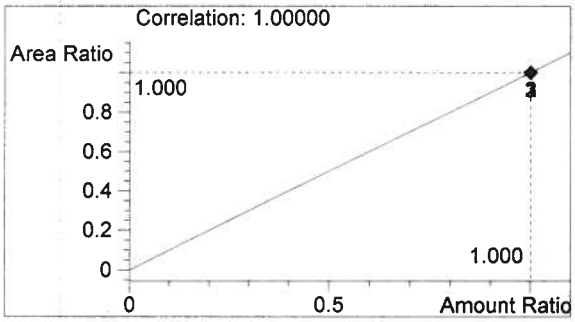


#	Compound	Area	RT
1	Ethanol	686	1.063
2	n-Propanol	1366	1.823

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

DL

WASHINGTON STATE TOXICOLOGY LABORATORY

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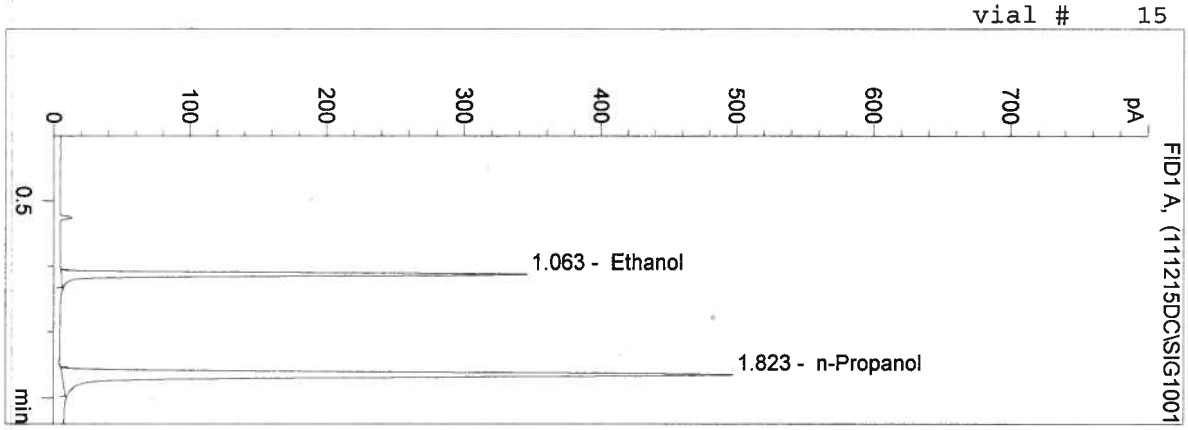
12/15/2011 2:21:59 PM
Instrument 3
DB-ALC2

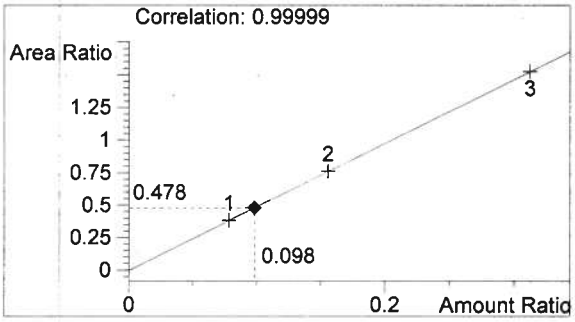
0.10 CTRL-DC
Dawn Cox

vial # 15

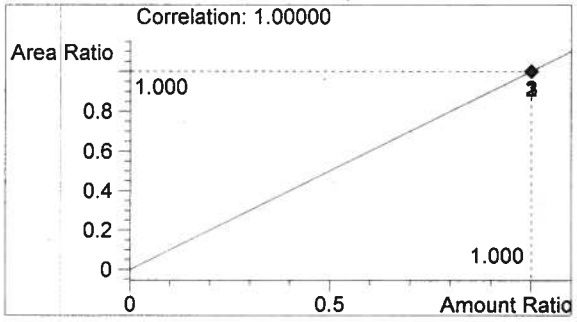


#	Compound	Area	RT
1	Ethanol	647	1.063
2	n-Propanol	1355	1.823

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

11055

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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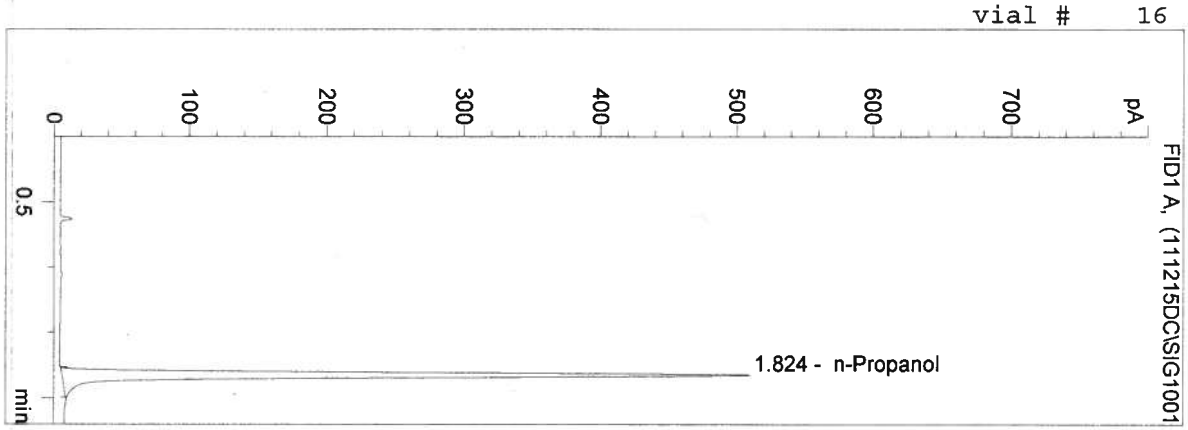
12/15/2011 2:25:06 PM
Instrument 3
DB-ALC2

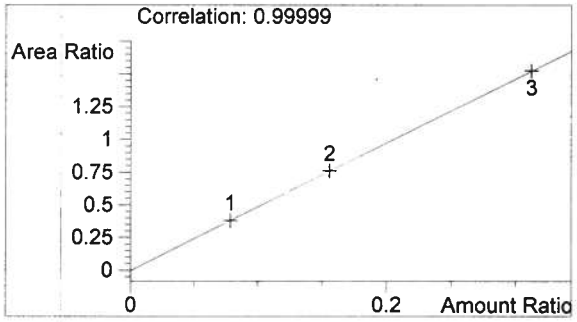
NEG CTRL-DC
Dawn Cox

vial # 16

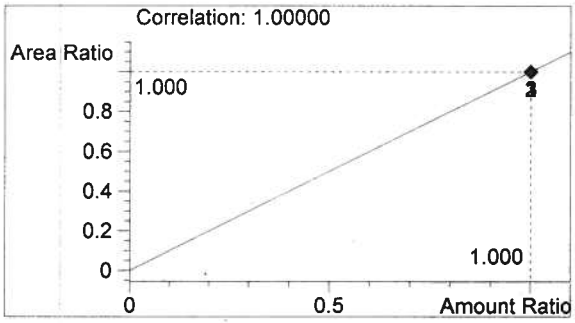


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1394	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11055

DC

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:	111216JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E1111-01 - Exp. 02/10/2012
Ethanol Calibrator 2, E1111-02 - Exp. 02/10/2012
Ethanol Calibrator 3, E1111-03 - Exp. 02/10/2012

0.04 Control - Lot #A075264 - Exp. 10/2014
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	E1111-01 - Exp 02/10/2012
3	Vial 3	E1111-02 - Exp 02/10/2012
4	Vial 4	E1111-03 - Exp 02/10/2012
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	

11055

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	11055-1	SIMALC3	1	Sample		
11	Vial 11	11055-2	SIMALC3	1	Sample		
12	Vial 12	11055-3	SIMALC3	1	Sample		
13	Vial 13	11055-4	SIMALC3	1	Sample		
14	Vial 14	11055-5	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!

11056

Calibration Table

Calib. Data Modified : Friday, December 16, 2011 2:36:01 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	7.86300e-2	507.59033	1.54908e-4	1		Ethanol
		2	1.55890e-1	1008.83118	1.54525e-4			
		3	3.12180e-1	1996.37610	1.56373e-4			
1.825	1	1	1.00000	1334.86072	7.49142e-4	I1		n-Propanol
		2	1.00000	1332.14893	7.50667e-4			
		3	1.00000	1308.47644	7.64248e-4			

Peak Sum Table

No Entries in table

11055

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Calibration Curves

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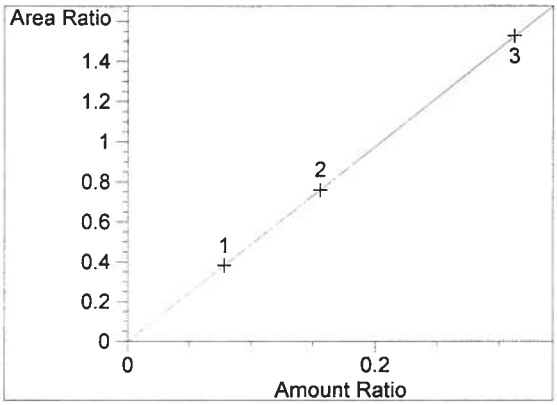
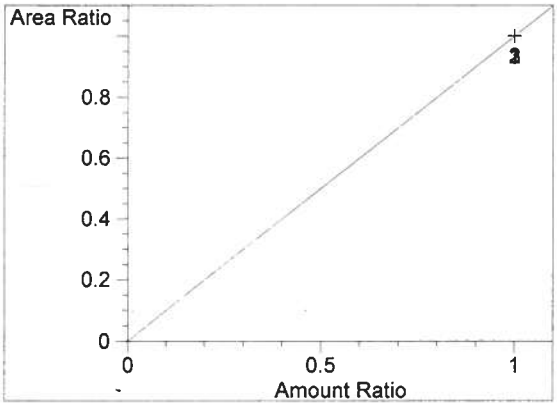


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00303
Formula: y = mx + b
m: 4.89007
b: -2.53043e-3
x: Amount Ratio
y: Area Ratio



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

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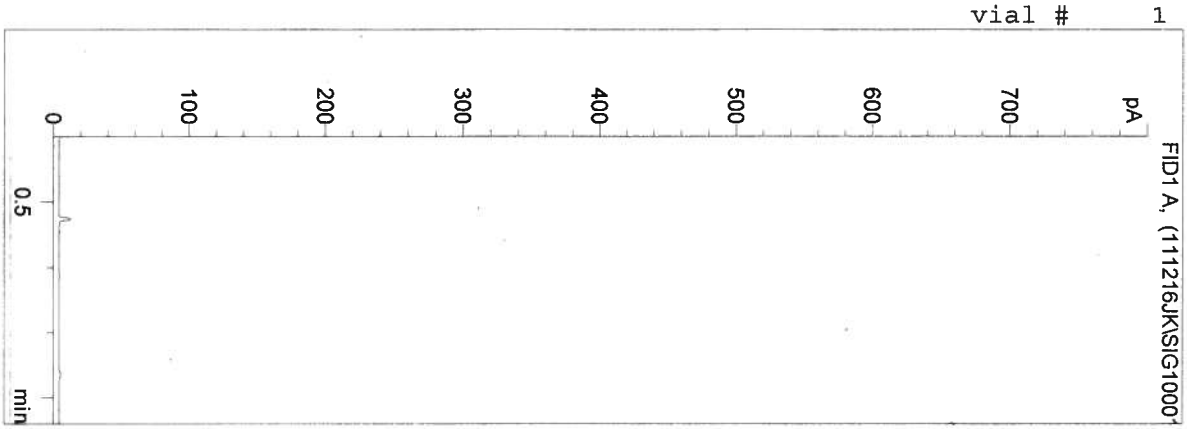
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/16/2011 2:24:27 PM
Instrument 3
DB-ALC2

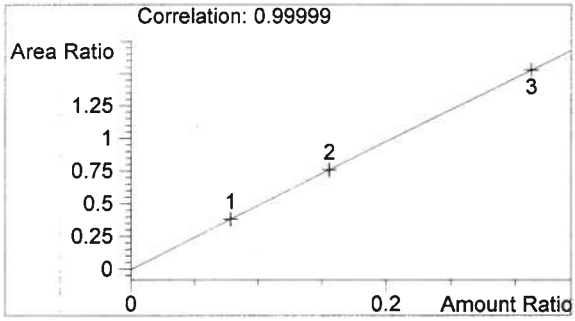
BLANK
Justin Knoy

vial # 1

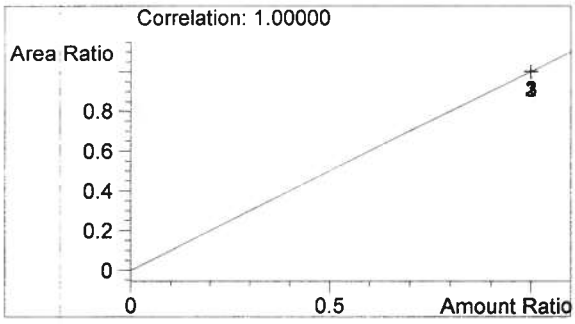


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

11055

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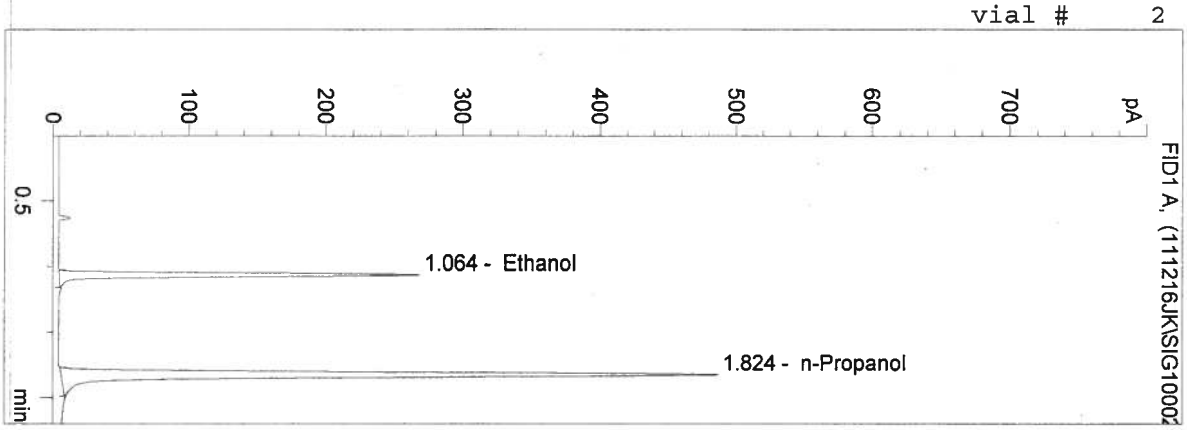
C:\HPCHEM\2\METHODS\SIMALC3.M
12/16/2011 2:27:35 PM
Instrument 3
DB-ALC2

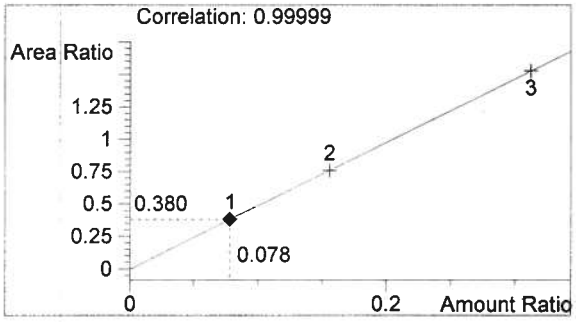
CAL1 0.079
Justin Knoy

vial # 2

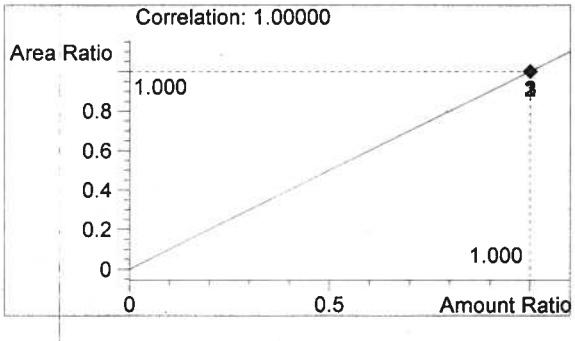


#	Compound	Area	RT
1	Ethanol	508	1.064
2	n-Propanol	1335	1.824

Totals:



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

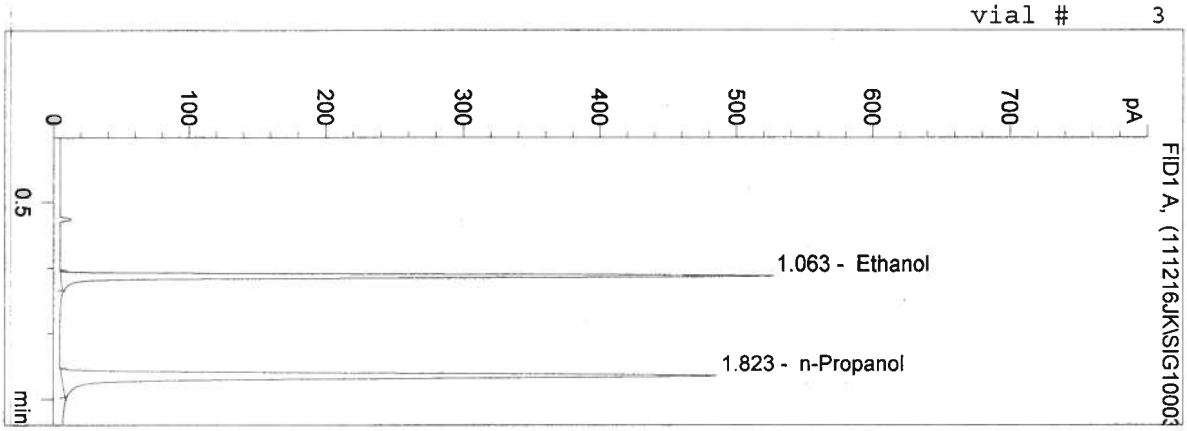
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/16/2011 2:30:42 PM
Instrument 3
DB-ALC2

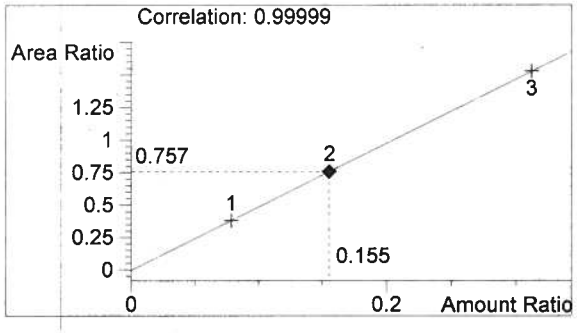
CAL2 0.158
Justin Knoy

vial # 3

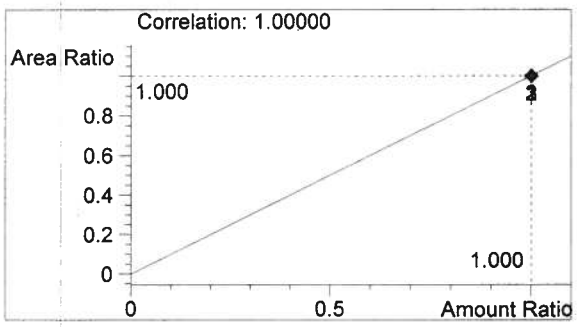


#	Compound	Area	RT
1	Ethanol	1009	1.063
2	n-Propanol	1332	1.823

Totals:



Ethanol 0.155 g/100ml



n-Propanol 1.000 g/100ml

11055

WASHINGTON STATE TOXICOLOGY LABORATORY

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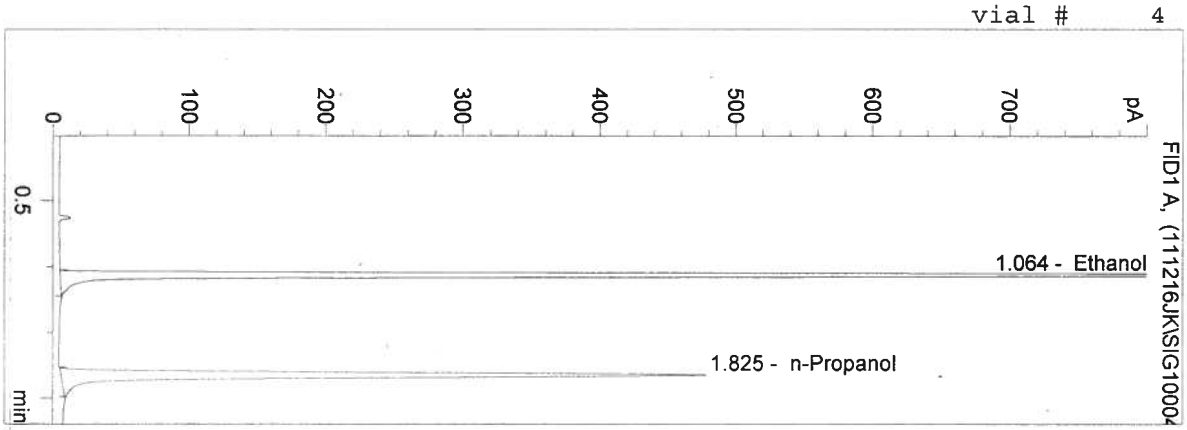
12/16/2011 2:33:49 PM
Instrument 3
DB-ALC2

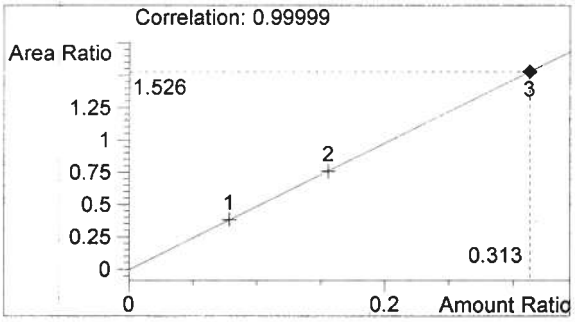
CAL3 0.316
Justin Knoy

vial # 4

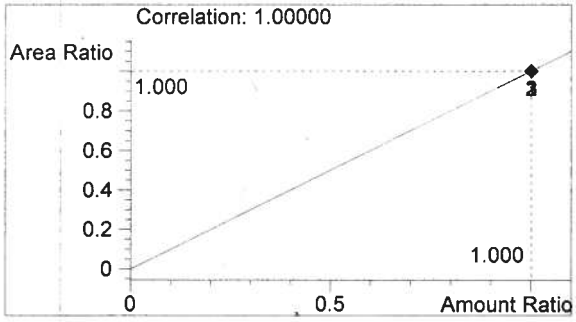


#	Compound	Area	RT
1	Ethanol	1996	1.064
2	n-Propanol	1308	1.825

Totals:



Ethanol 0.313 g/100ml



n-Propanol 1.000 g/100ml

11055

WASHINGTON STATE TOXICOLOGY LABORATORY

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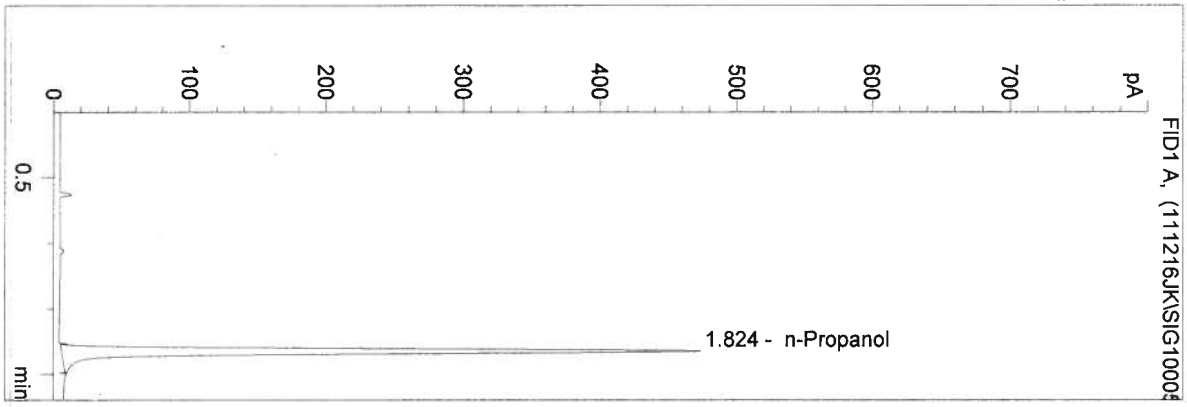
12/16/2011 2:36:56 PM
Instrument 3
DB-ALC2

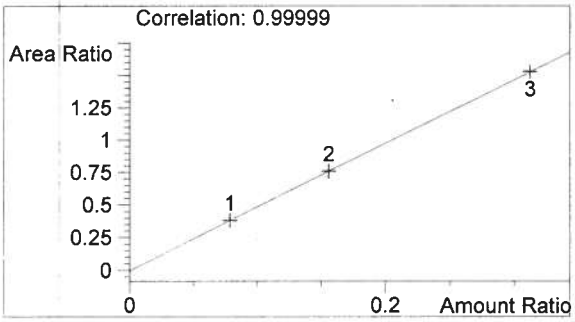
NEG CTRL JK
Justin Knoy

vial # 5

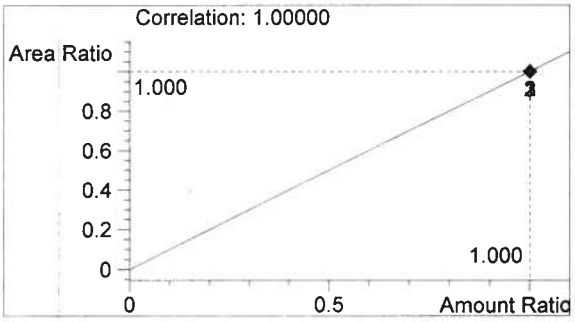


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1289	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11055

WASHINGTON STATE TOXICOLOGY LABORATORY

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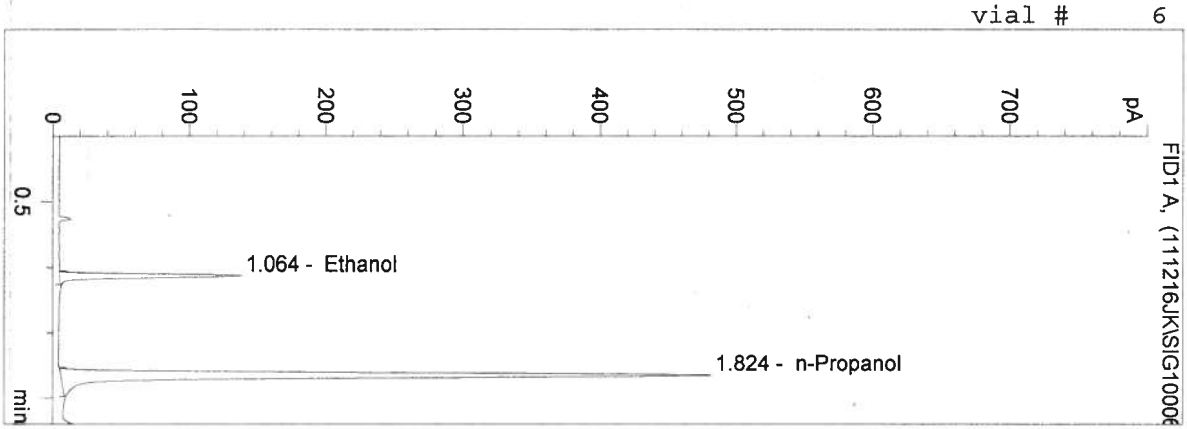
12/16/2011 2:40:04 PM
Instrument 3
DB-ALC2

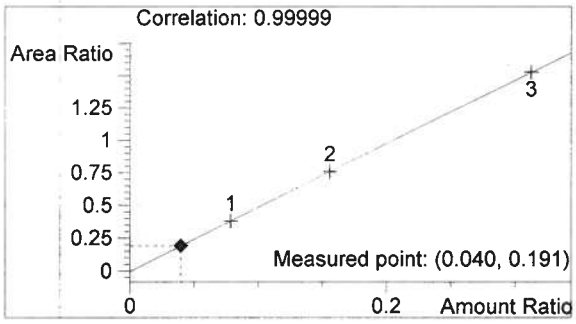
0.04 CTRL JK
Justin Knoy

vial # 6

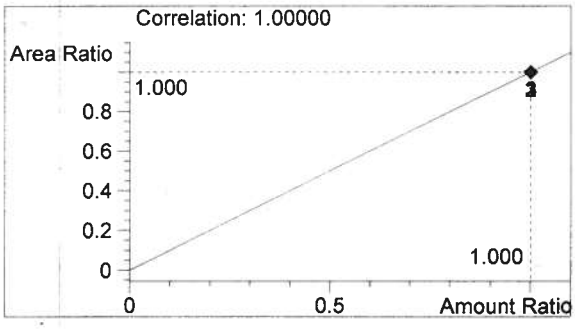


#	Compound	Area	RT
1	Ethanol	252	1.064
2	n-Propanol	1318	1.824

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

11055

WASHINGTON STATE TOXICOLOGY LABORATORY

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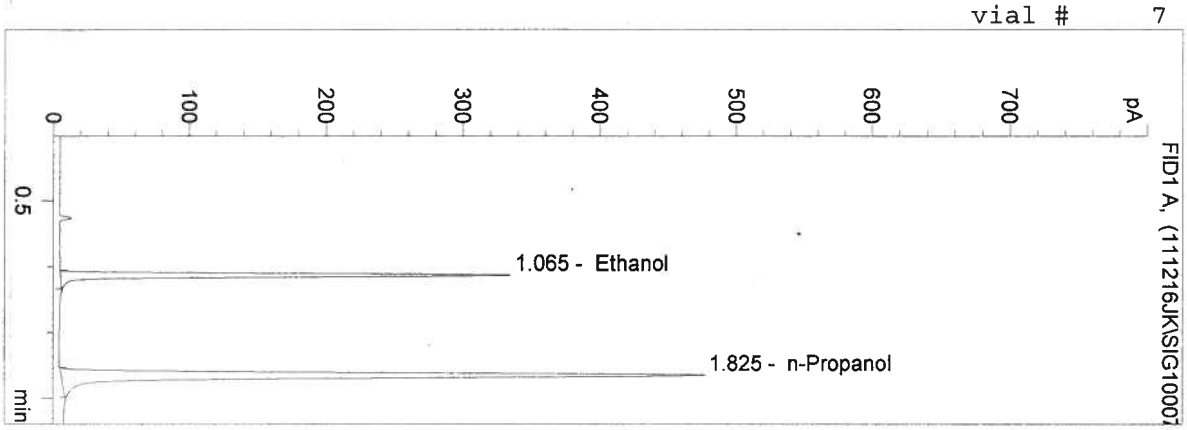
12/16/2011 2:43:11 PM
Instrument 3
DB-ALC2

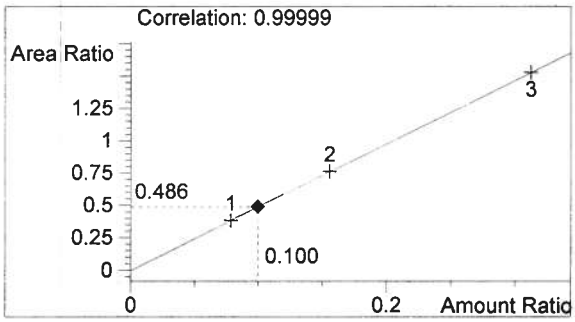
0.10 CTRL JK
Justin Knoy

vial # 7

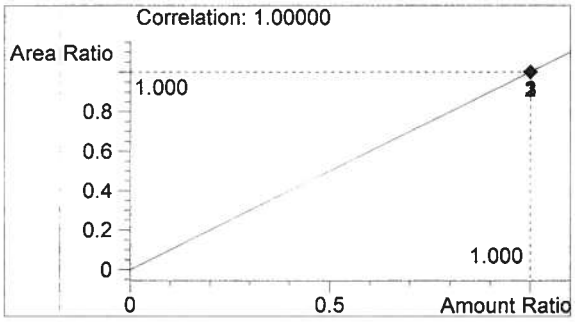


#	Compound	Area	RT
1	Ethanol	635	1.065
2	n-Propanol	1307	1.825

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

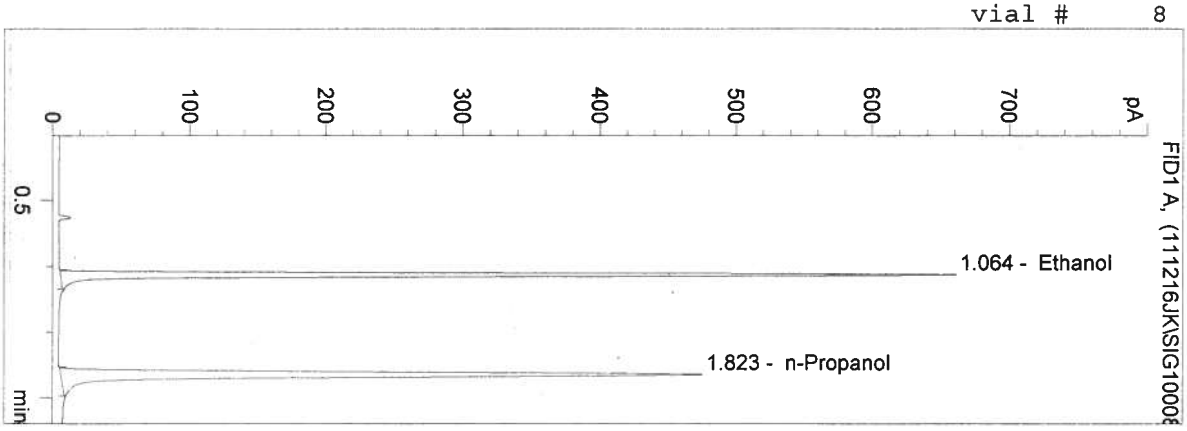
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/16/2011 2:46:18 PM
Instrument 3
DB-ALC2

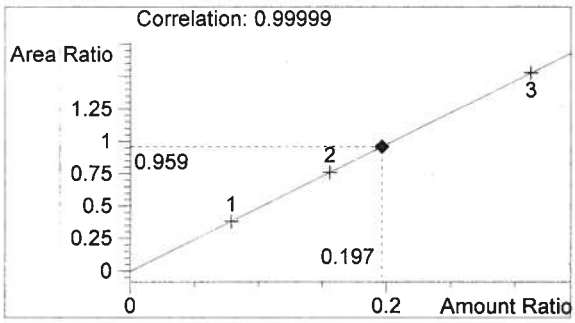
0.20 CTRL JK
Justin Knoy

vial # 8

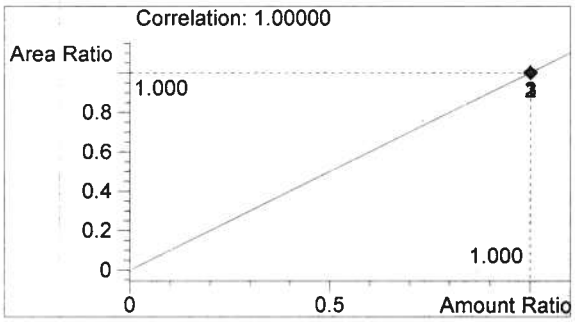


#	Compound	Area	RT
1	Ethanol	1241	1.064
2	n-Propanol	1295	1.823

Totals:



Ethanol 0.197 g/100ml



n-Propanol 1.000 g/100ml

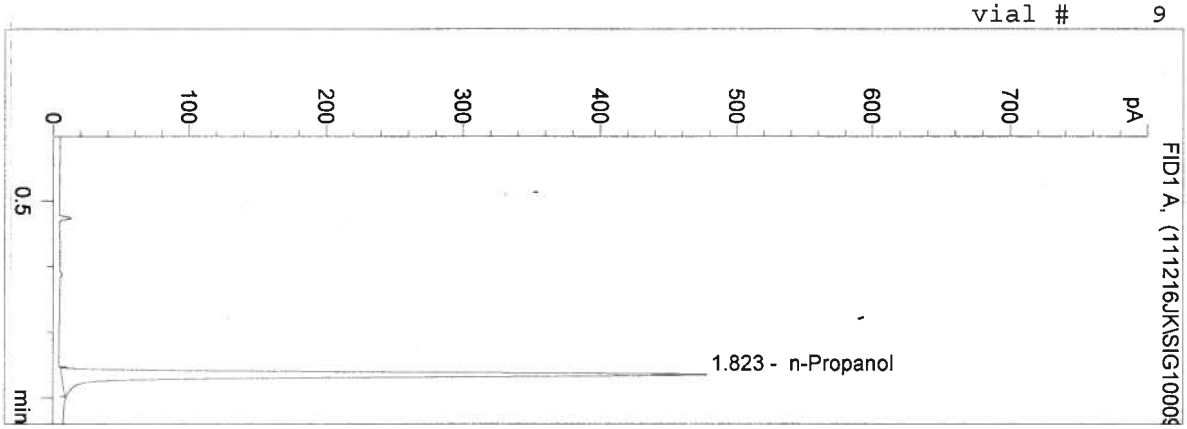
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

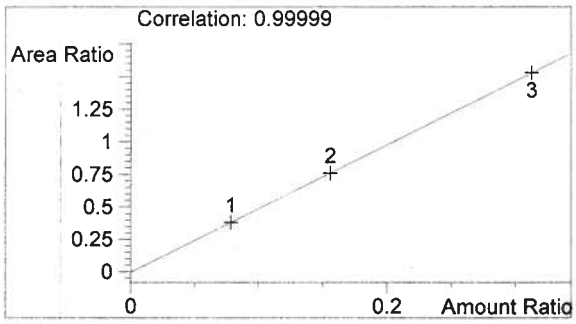
C:\HPCHEM\2\METHODS\SIMALC3.M
12/16/2011 2:49:26 PM
Instrument 3
DB-ALC2

NEG CTRL JK
Justin Knoy

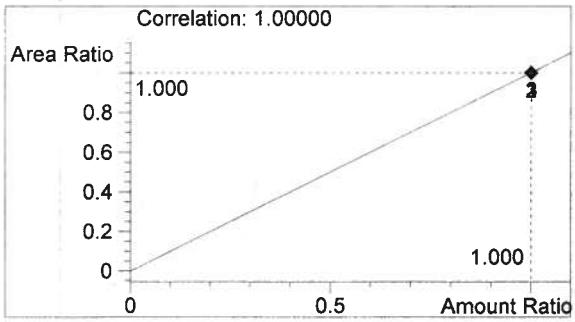
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1302	1.823
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

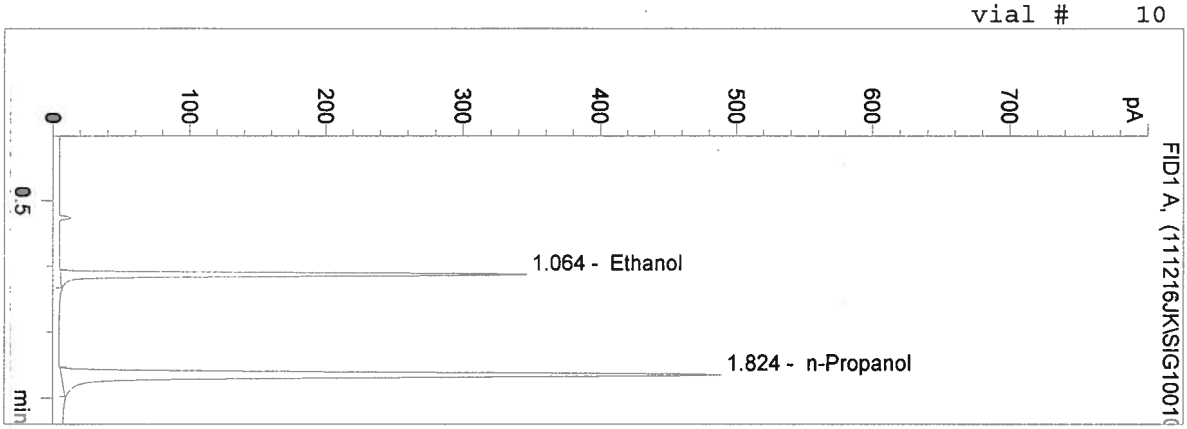
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/16/2011 2:52:33 PM
Instrument 3
DB-ALC2

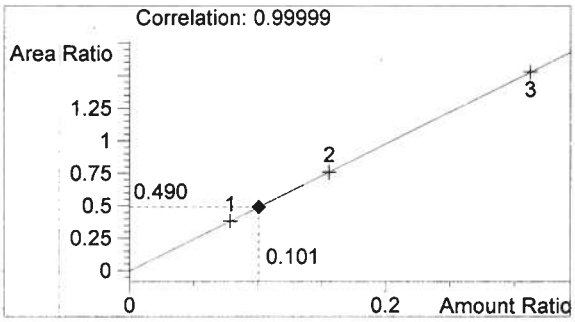
11055-1
Justin Knoy

vial # 10

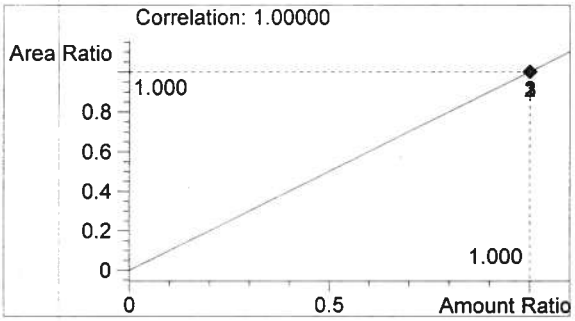


#	Compound	Area	RT
1	Ethanol	658	1.064
2	n-Propanol	1342	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

JK

WASHINGTON STATE TOXICOLOGY LABORATORY

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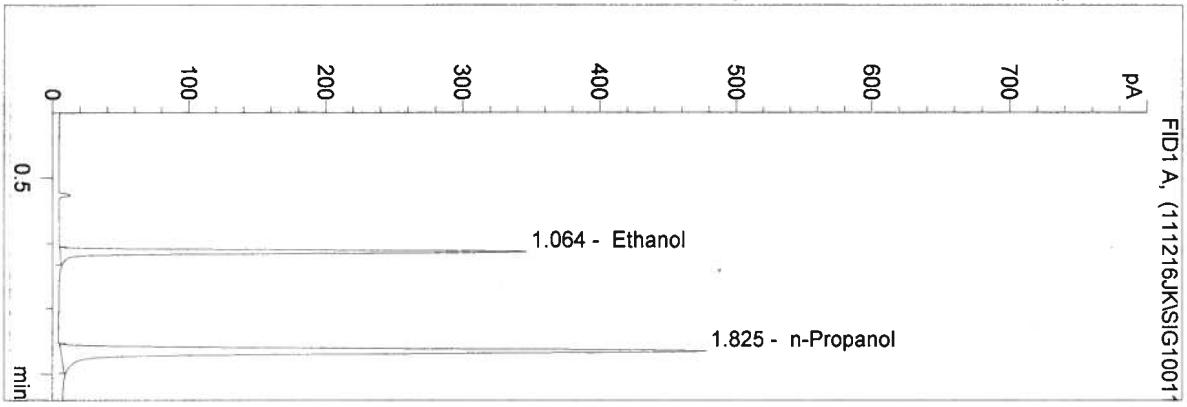
12/16/2011 2:55:40 PM
Instrument 3
DB-ALC2

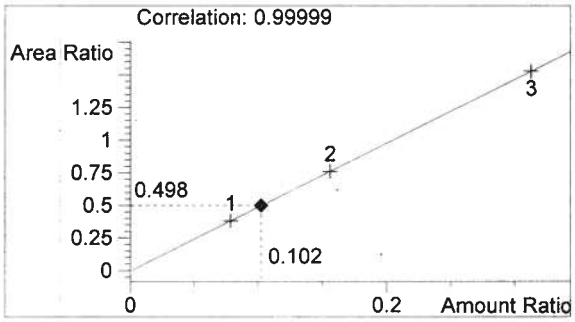
11055-2
Justin Knoy

vial # 11

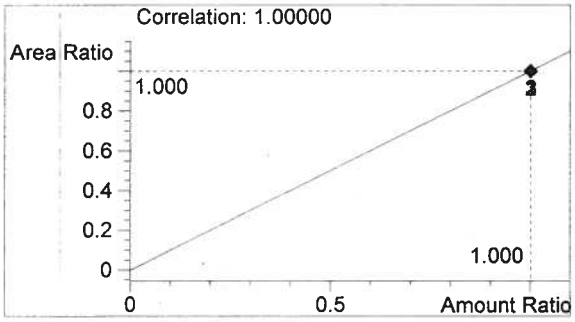


#	Compound	Area	RT
1	Ethanol	651	1.064
2	n-Propanol	1308	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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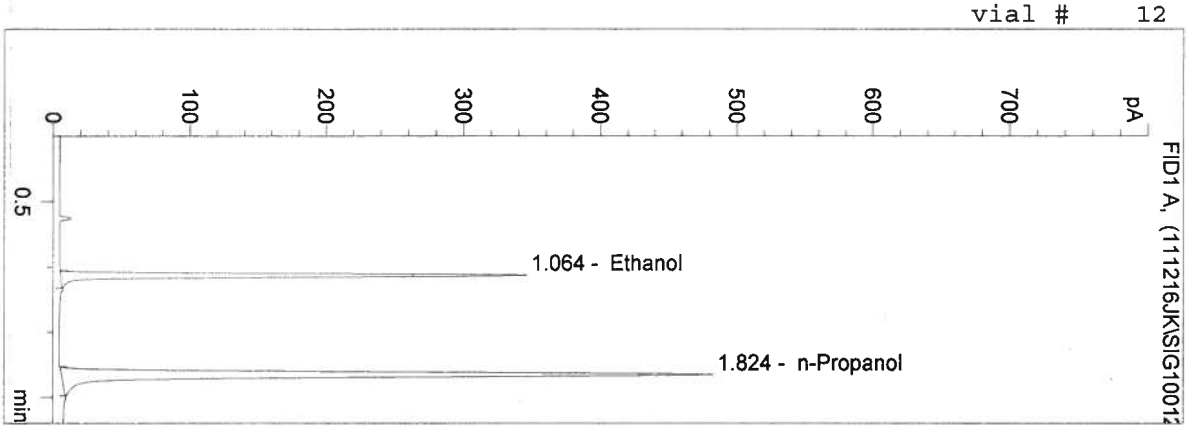
12/16/2011 2:58:47 PM
Instrument 3
DB-ALC2

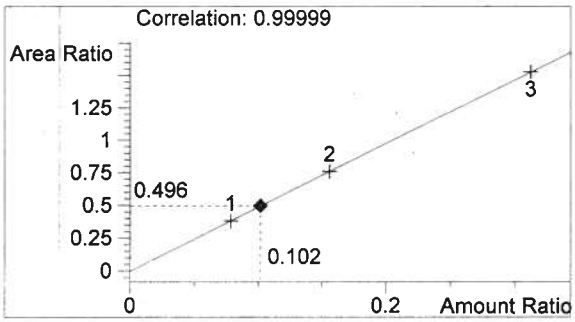
11055-3
Justin Knoy

vial # 12

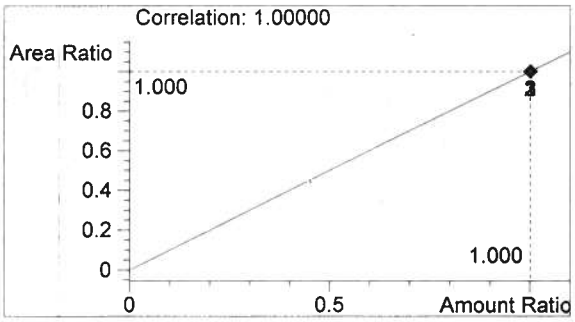


#	Compound	Area	RT
1	Ethanol	655	1.064
2	n-Propanol	1323	1.824

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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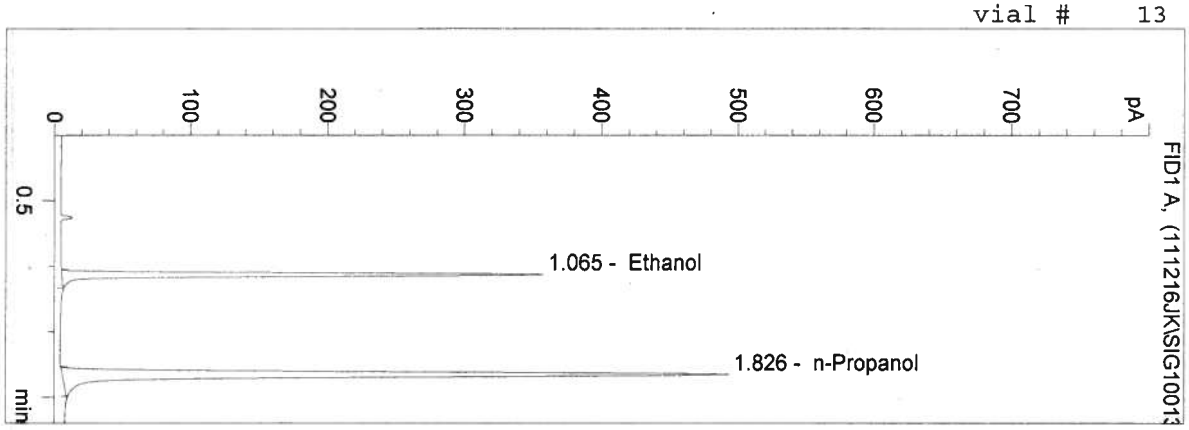
12/16/2011 3:01:54 PM
Instrument 3
DB-ALC2

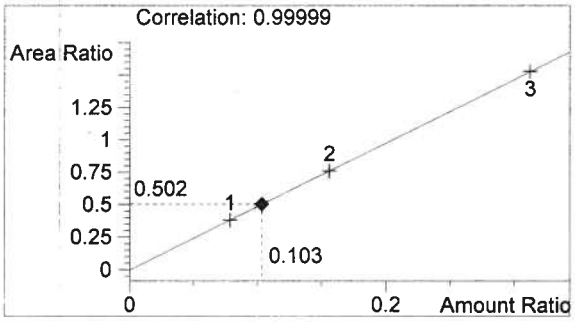
11055-4
Justin Knoy

vial # 13

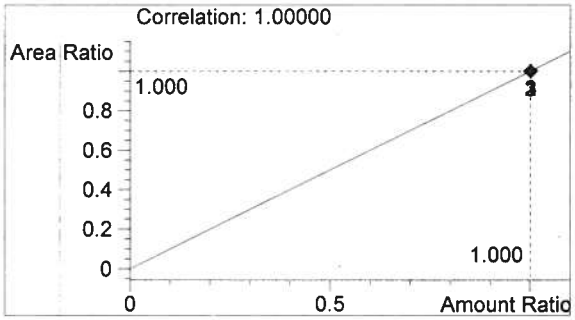


#	Compound	Area	RT
1	Ethanol	681	1.065
2	n-Propanol	1356	1.826

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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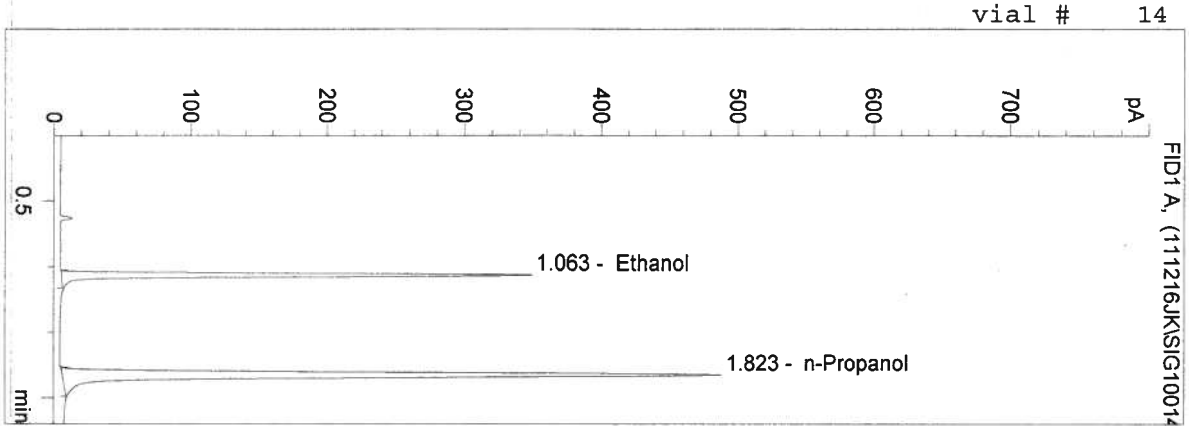
C:\HPCHEM\2\METHODS\SIMALC3.M
12/16/2011 3:05:02 PM
Instrument 3
DB-ALC2

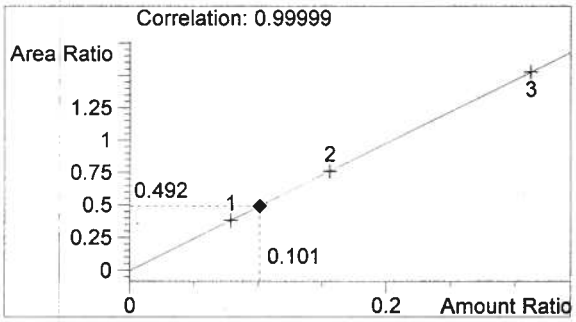
11055-5
Justin Knoy

vial # 14

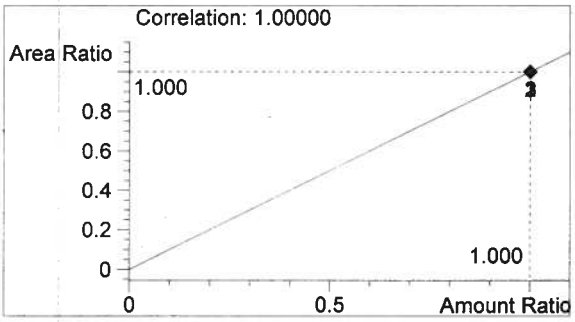


#	Compound	Area	RT
1	Ethanol	658	1.063
2	n-Propanol	1337	1.823

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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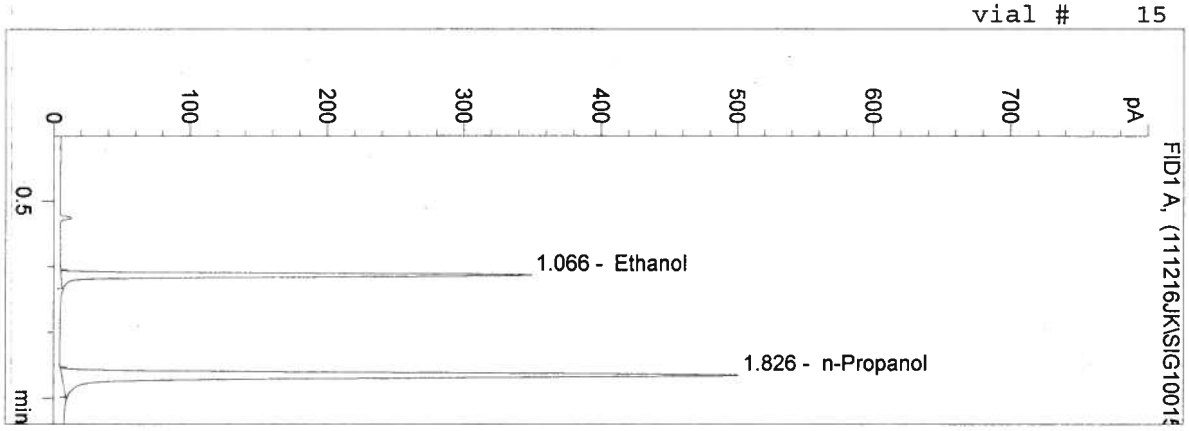
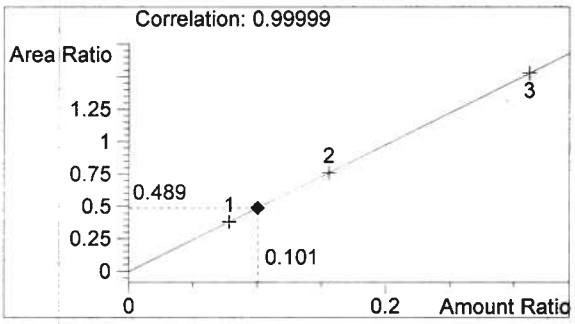
12/16/2011 3:08:09 PM
Instrument 3
DB-ALC2

0.10 CTRL JK
Justin Knoy

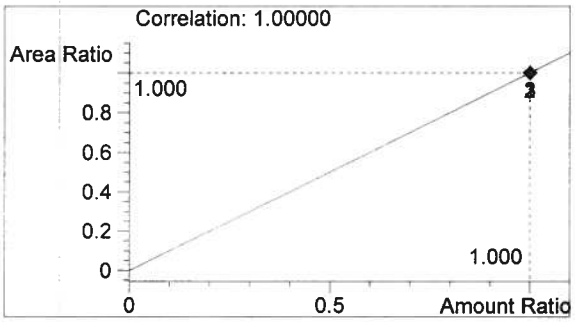
vial # 15



#	Compound	Area	RT
1	Ethanol	675	1.066
2	n-Propanol	1381	1.826
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

11055

WASHINGTON STATE TOXICOLOGY LABORATORY

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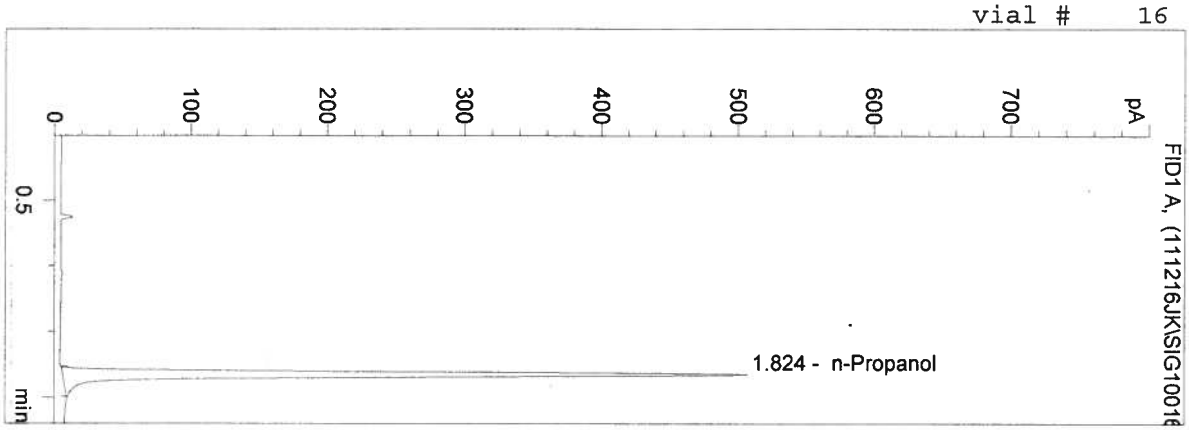
12/16/2011 3:11:16 PM
Instrument 3
DB-ALC2

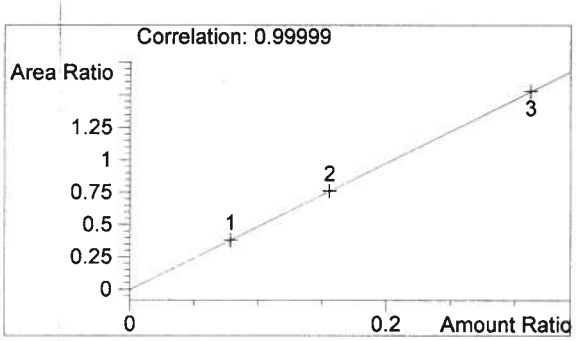
NEG CTRL JK
Justin Knoy

vial # 16

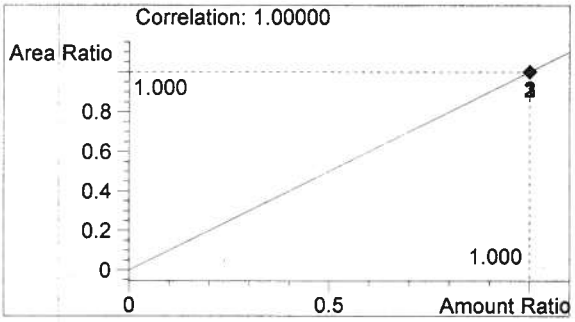


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1395	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11055

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

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:	111219BB
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
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#E1111-01 EXP ~~12/2011~~ ~~2/12BB~~ 2/2012 BB
3	Vial 3	Lot#E1111-02 EXP ~~12/2011~~ 2/2012 BB
4	Vial 4	Lot#E1111-03 EXP ~~12/2011~~ 2/2012 BB
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

11055

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	11055 #1-BB	SIMALC3	1	Sample		
11	Vial 11	11055 #2-BB	SIMALC3	1	Sample		
12	Vial 12	11055 #3-BB	SIMALC3	1	Sample		
13	Vial 13	11055 #4-BB	SIMALC3	1	Sample		
14	Vial 14	11055 #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

11055

Calibration Table

Calib. Data Modified : Monday, December 19, 2011 1:41:46 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
1.066	1	1	7.86300e-2	511.88992	1.53607e-4	1		Ethanol
		2	1.55890e-1	1057.36597	1.47432e-4			
		3	3.12180e-1	2282.08398	1.36796e-4			
1.826	1	1	1.00000	1319.72961	7.57731e-4	I1		n-Propanol
		2	1.00000	1365.10376	7.32545e-4			
		3	1.00000	1462.59192	6.83718e-4			

Peak Sum Table

No Entries in table

BB

11055

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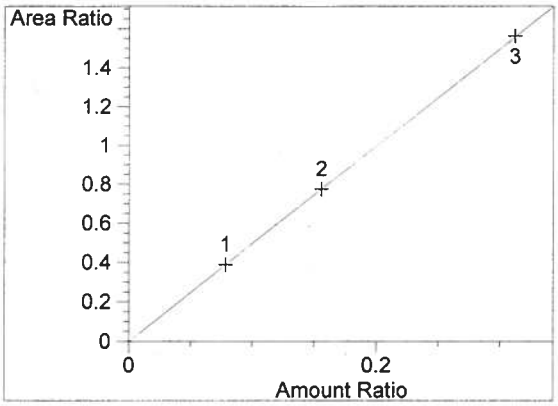
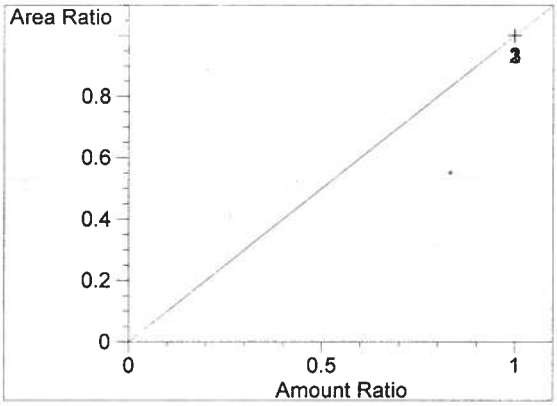
Calibration Curves

==========



Ethanol at exp. RT: 1.066
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00338
Formula: y = mx + b
m: 5.00202
b: -2.96450e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.826
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

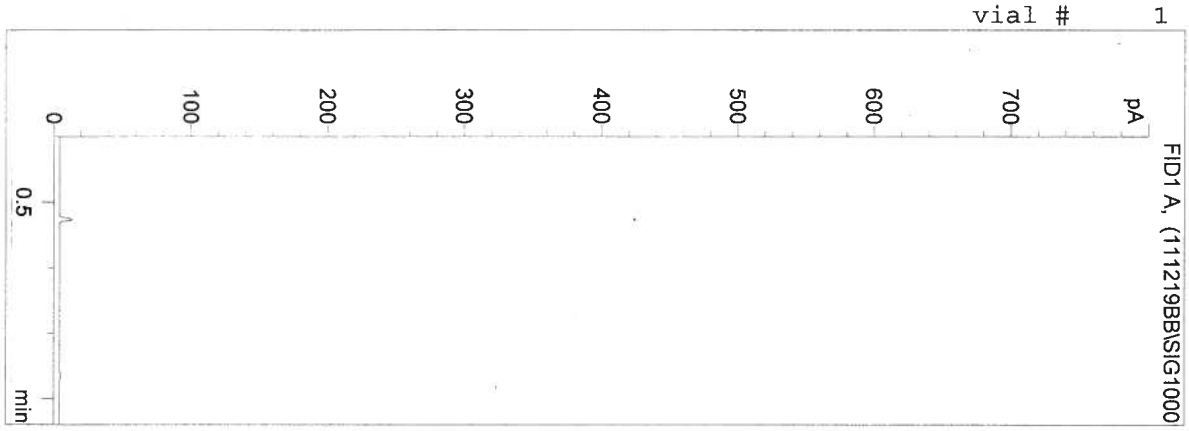
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:13:49 AM
Instrument 3
DB-ALC2

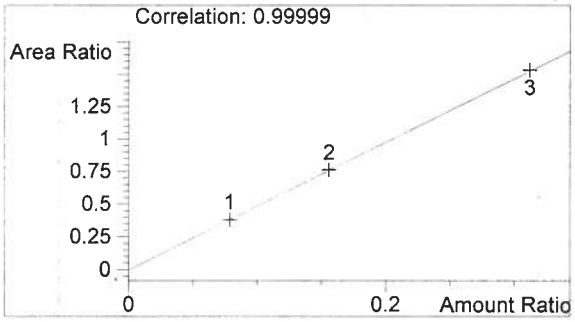
BLANK-BB
Brittany Ball

vial # 1

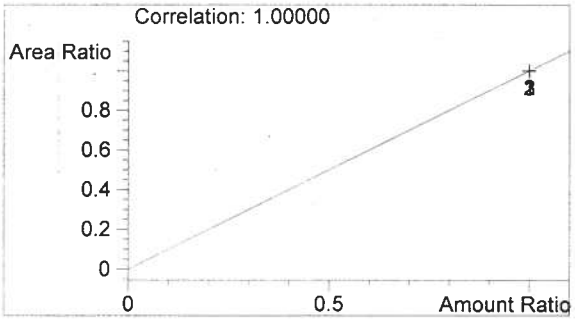


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

BB

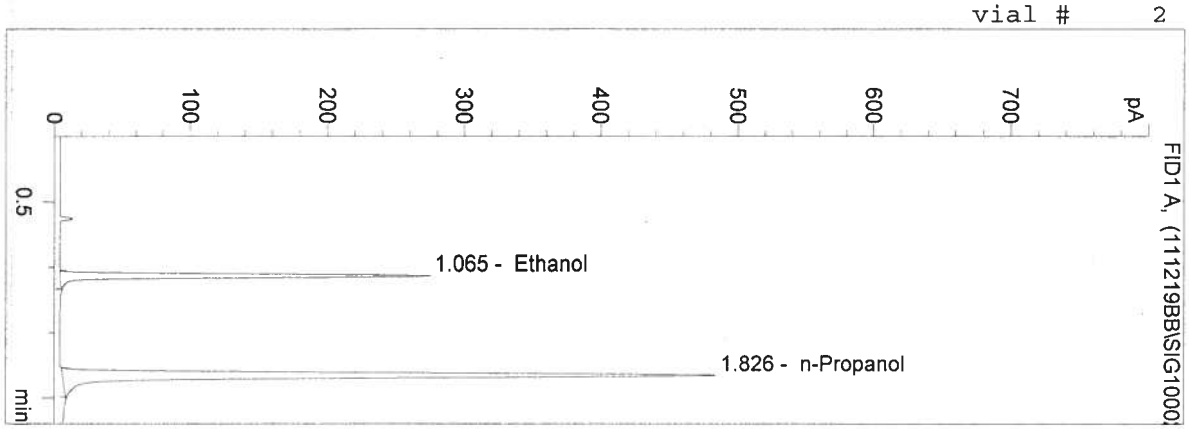
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:16:56 AM
Instrument 3
DB-ALC2

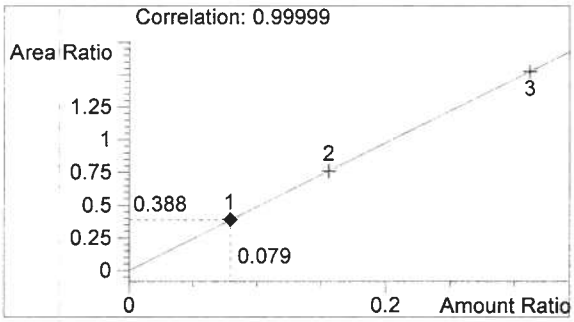
0.079 CAL 1
Brittany Ball

vial # 2

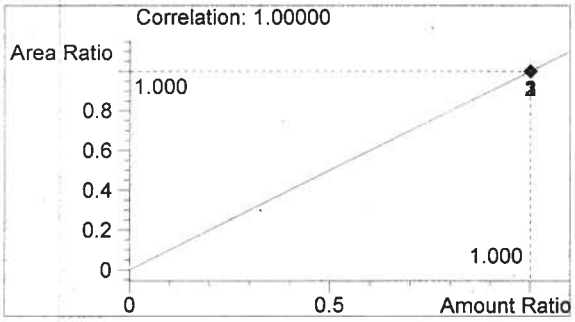


#	Compound	Area	RT
1	Ethanol	512	1.065
2	n-Propanol	1320	1.826

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

BB

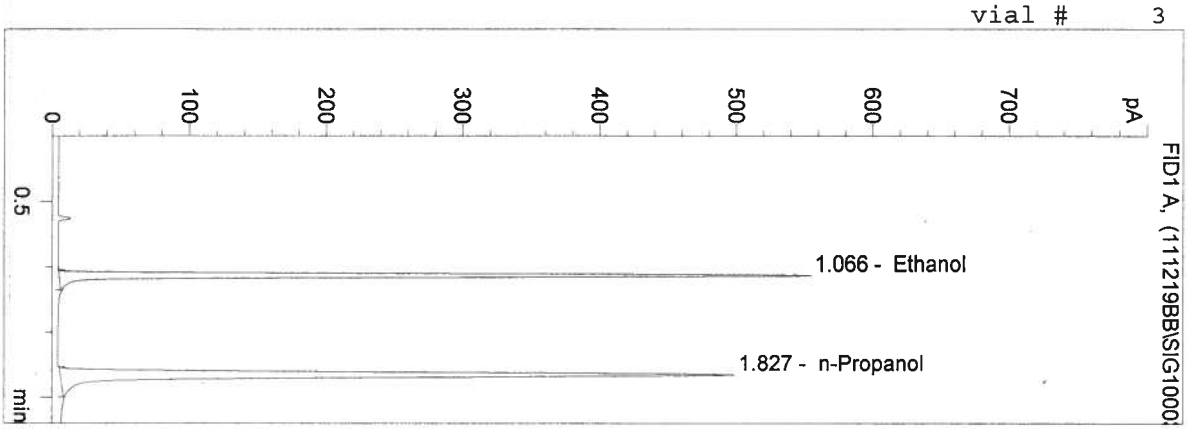
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:20:03 AM
Instrument 3
DB-ALC2

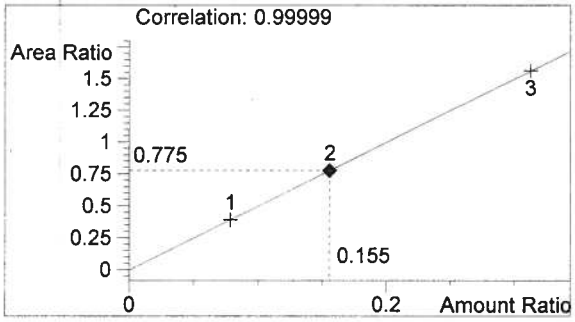
0.158 CAL 2
Brittany Ball

vial # 3

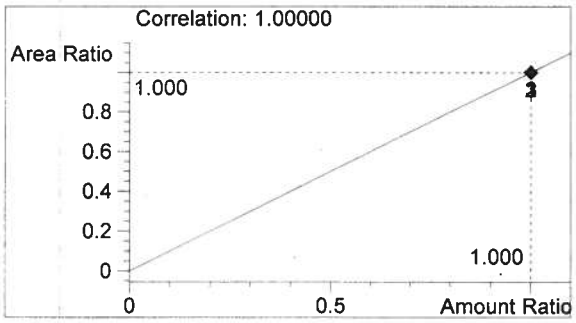


#	Compound	Area	RT
1	Ethanol	1057	1.066
2	n-Propanol	1365	1.827

Totals:



Ethanol 0.155 g/100ml



n-Propanol 1.000 g/100ml

BB

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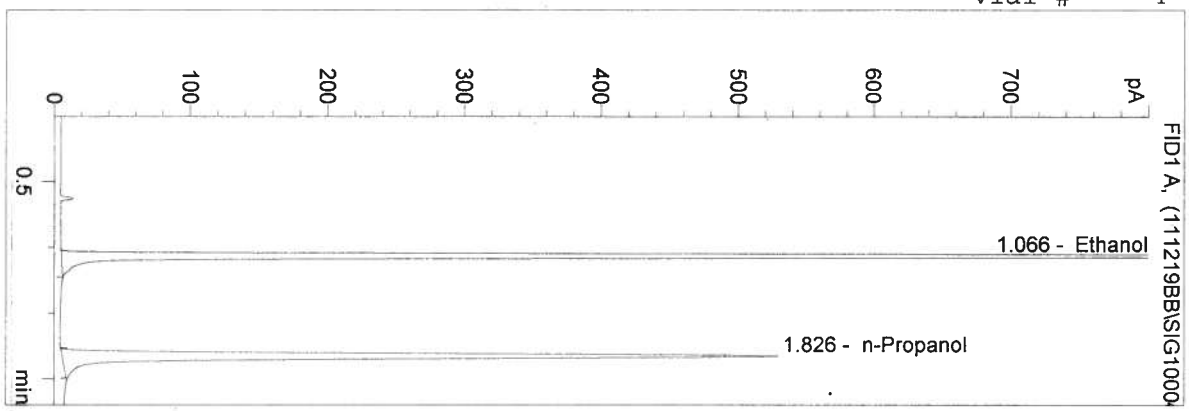
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:23:11 AM
Instrument 3
DB-ALC2

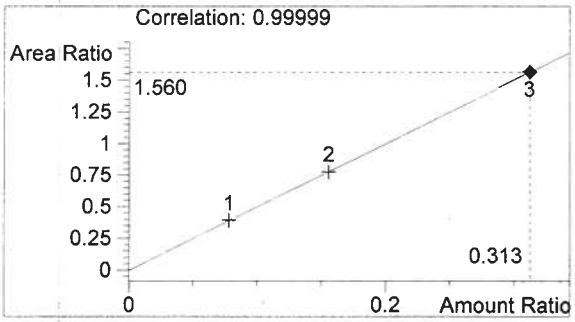
0.316 CAL 3
Brittany Ball

vial # 4

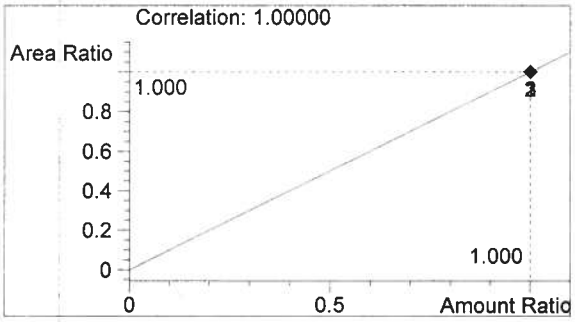


#	Compound	Area	RT
1	Ethanol	2282	1.066
2	n-Propanol	1463	1.826

Totals:



Ethanol 0.313 g/100ml



n-Propanol 1.000 g/100ml

88

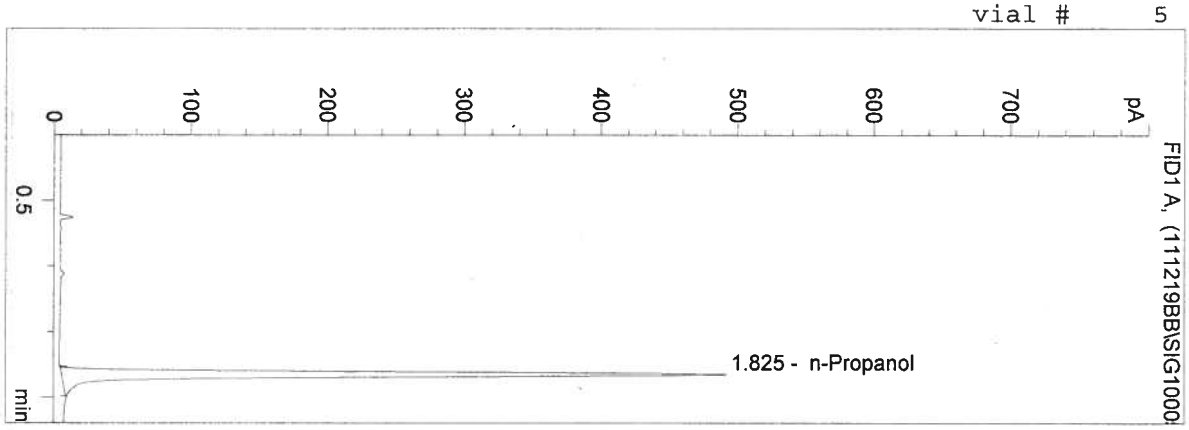
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:26:18 AM
Instrument 3
DB-ALC2

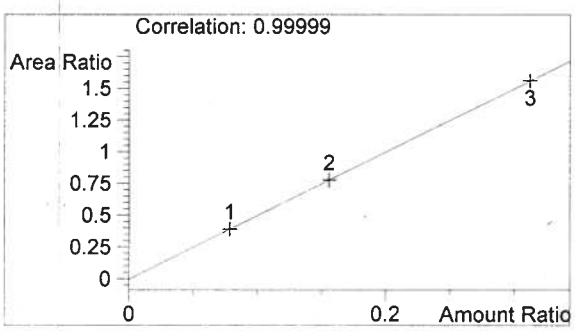
NEG Ctrl-BB
Brittany Ball

vial # 5

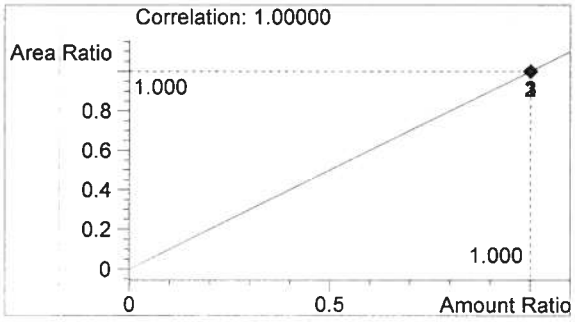


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1355	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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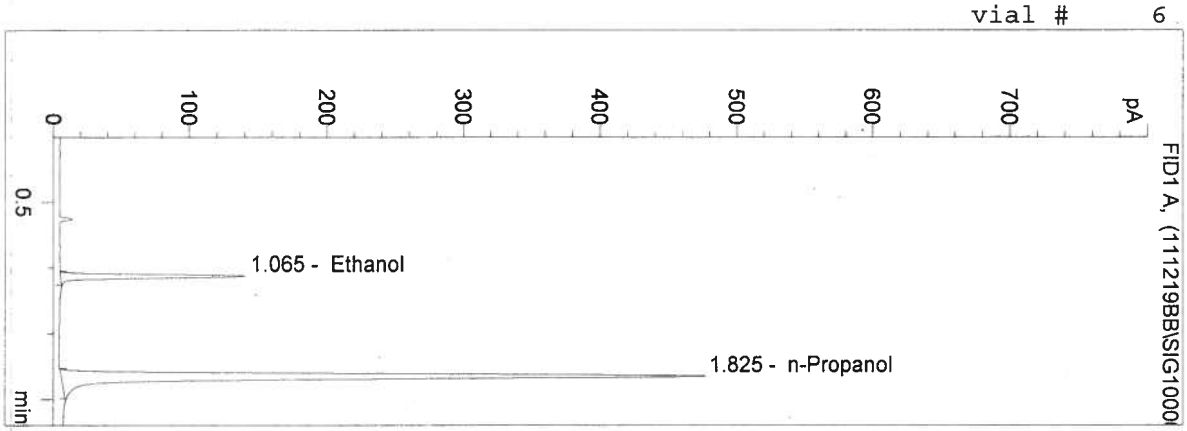
C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:29:25 AM
Instrument 3
DB-ALC2

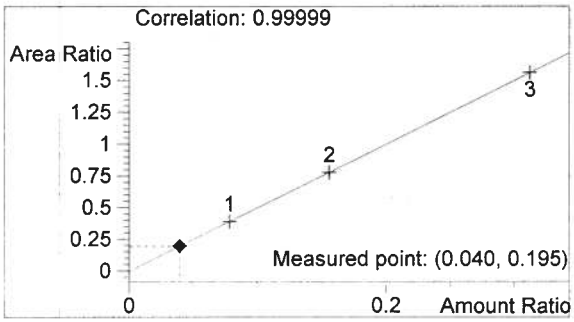
0.04 Ctrl-BB
Brittany Ball

vial # 6

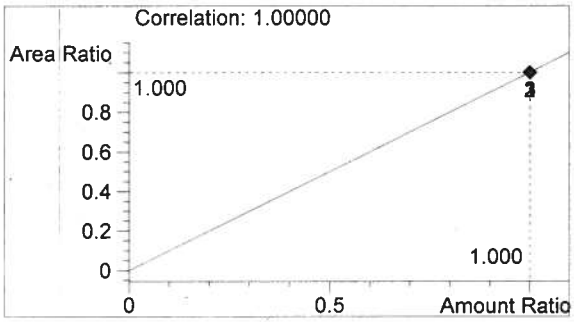


#	Compound	Area	RT
1	Ethanol	254	1.065
2	n-Propanol	1305	1.825

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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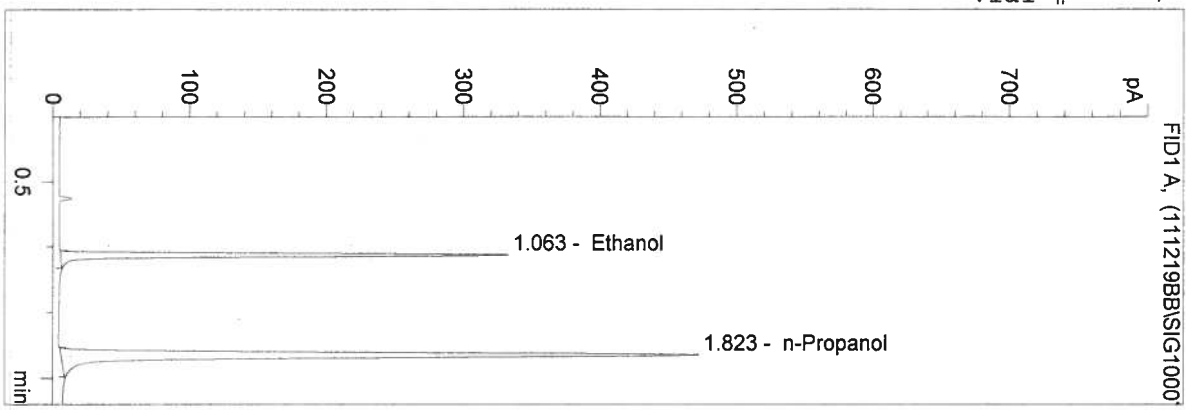
C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:32:32 AM
Instrument 3
DB-ALC2

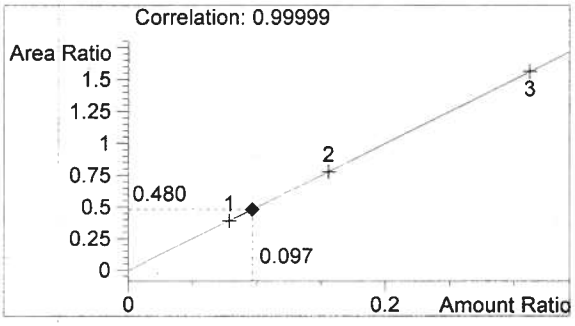
0.10 Ctrl-BB
Brittany Ball

vial # 7

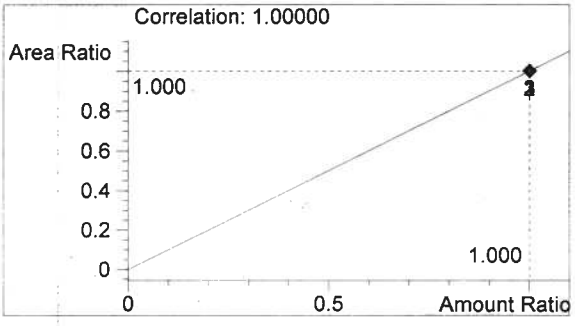


#	Compound	Area	RT
1	Ethanol	619	1.063
2	n-Propanol	1289	1.823

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

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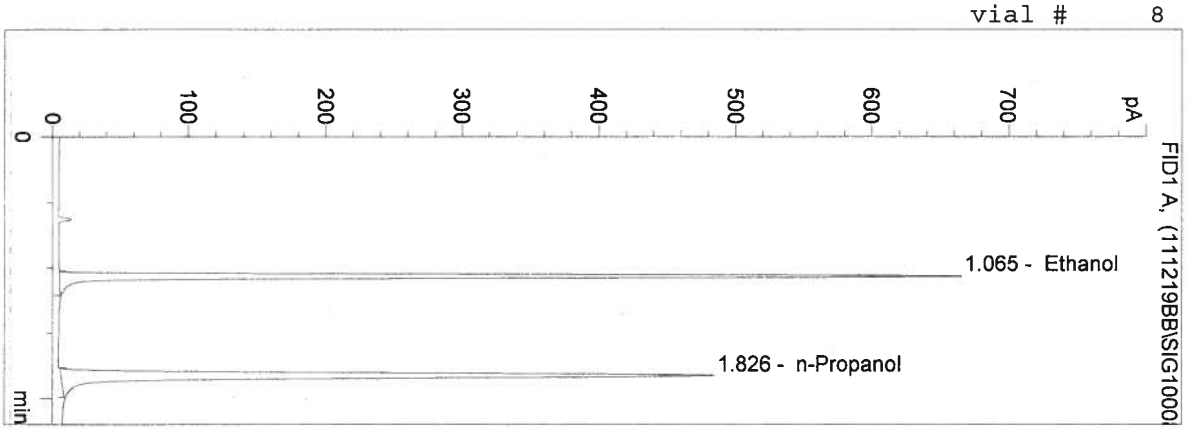
C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:35:39 AM
Instrument 3
DB-ALC2

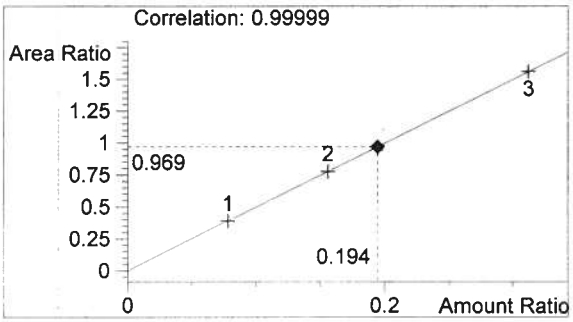
0.20 Ctrl-BB
Brittany Ball

vial # 8

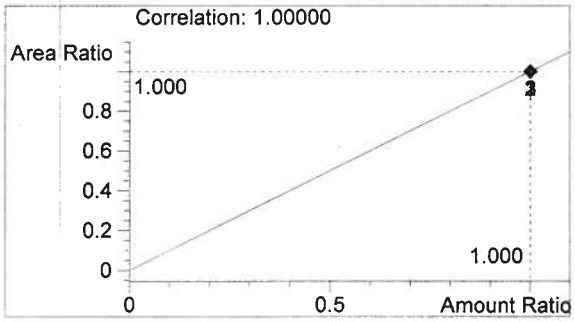


#	Compound	Area	RT
1	Ethanol	1285	1.065
2	n-Propanol	1326	1.826

Totals:



Ethanol 0.194 g/100ml



n-Propanol 1.000 g/100ml

BB

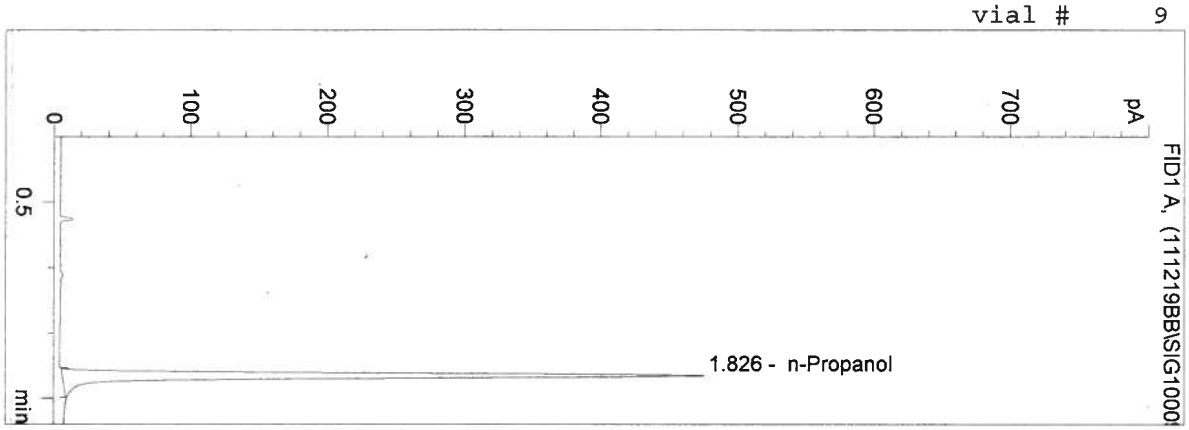
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:38:47 AM
Instrument 3
DB-ALC2

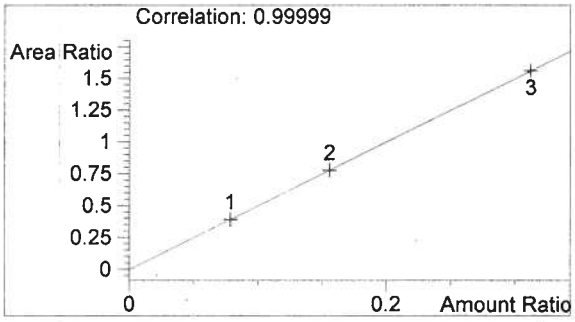
NEG Ctrl-BB
Brittany Ball

vial # 9

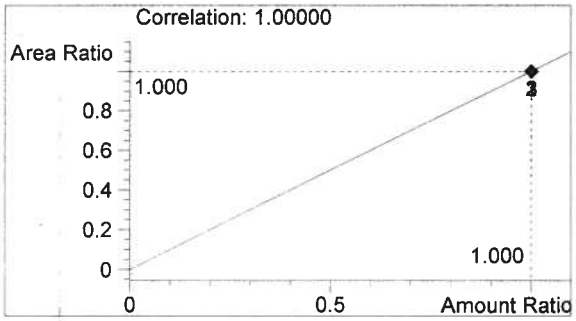


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1301	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

BB

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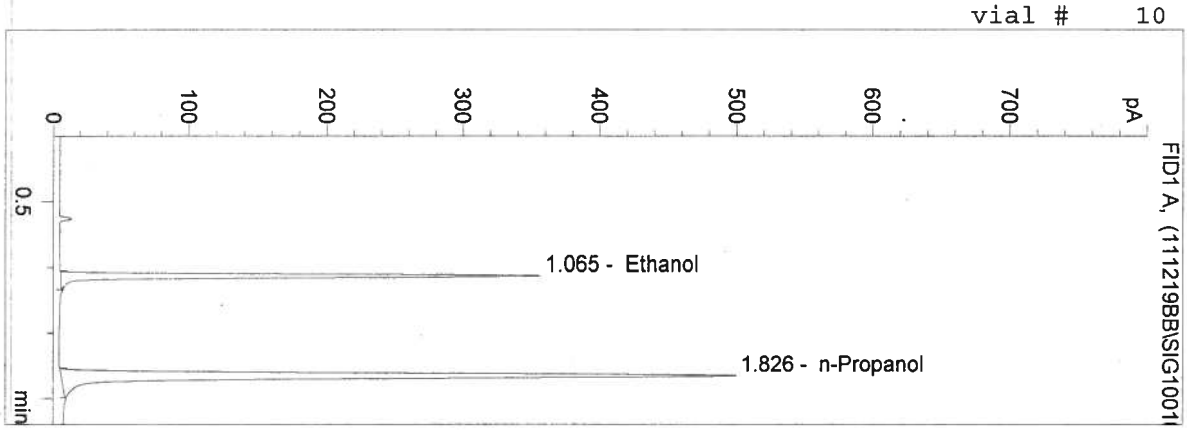
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:41:54 AM
Instrument 3
DB-ALC2

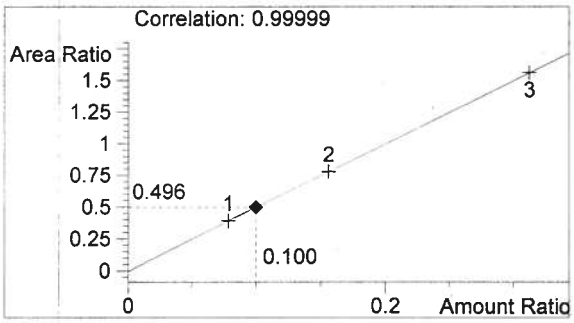
11055 #1-BB
Brittany Ball

vial # 10

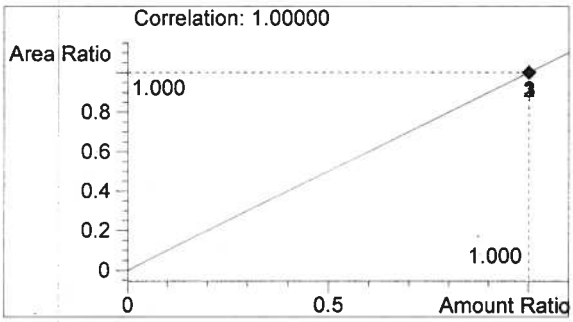


#	Compound	Area	RT
1	Ethanol	683	1.065
2	n-Propanol	1378	1.826

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

BB

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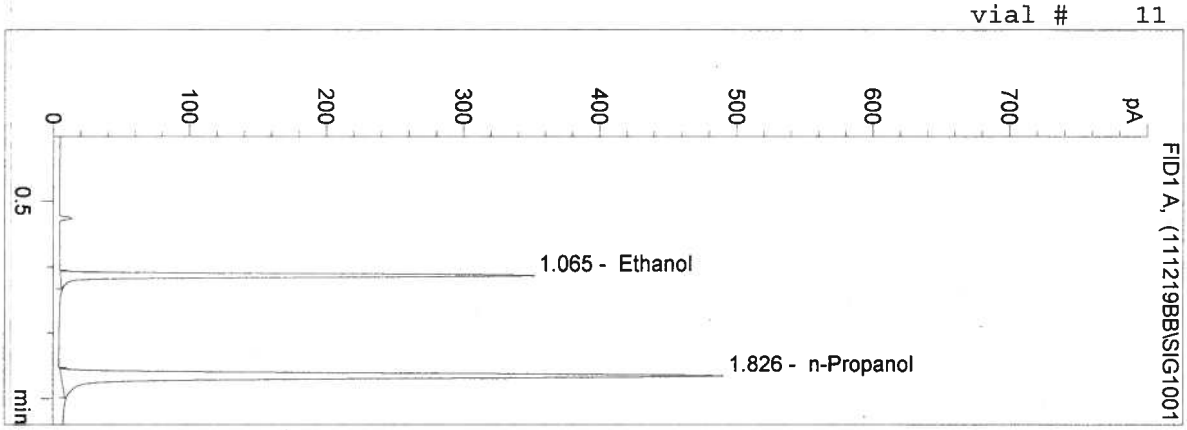
C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:45:02 AM
Instrument 3
DB-ALC2

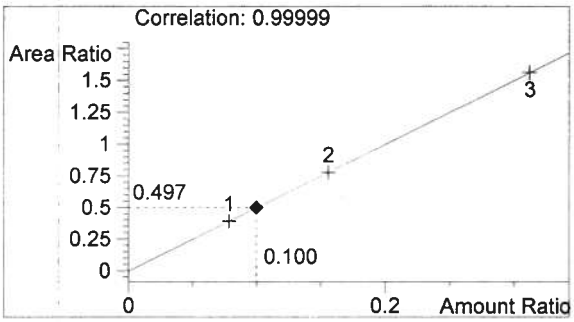
11055 #2-BB
Brittany Ball

vial # 11

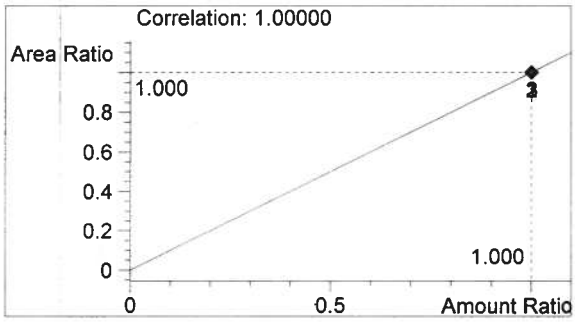


#	Compound	Area	RT
1	Ethanol	669	1.065
2	n-Propanol	1346	1.826

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

BB

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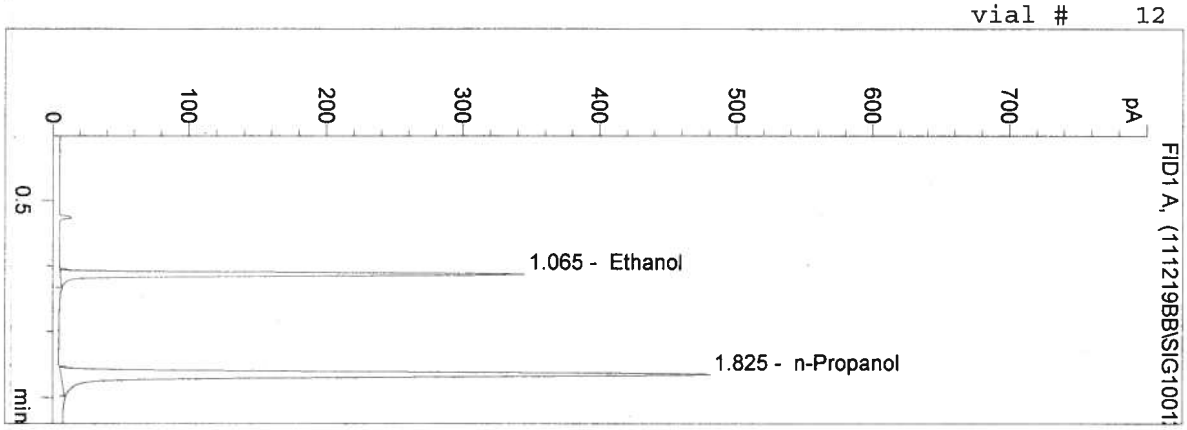
C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:48:09 AM
Instrument 3
DB-ALC2

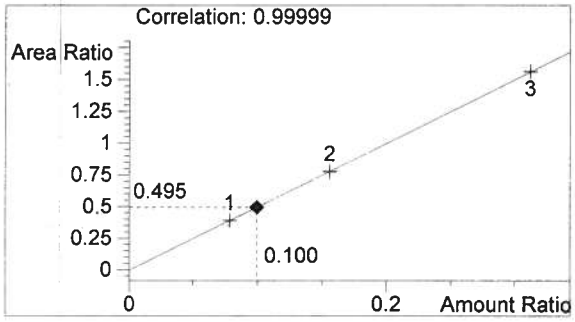
11055 #3-BB
Brittany Ball

vial # 12

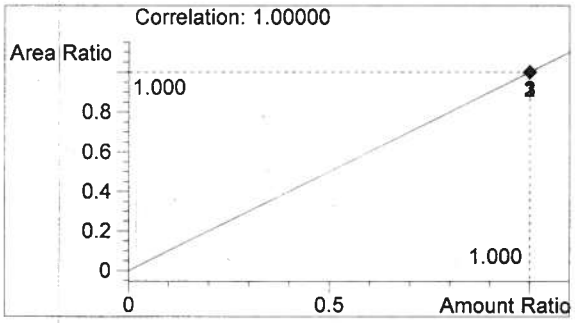


#	Compound	Area	RT
1	Ethanol	652	1.065
2	n-Propanol	1317	1.825

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

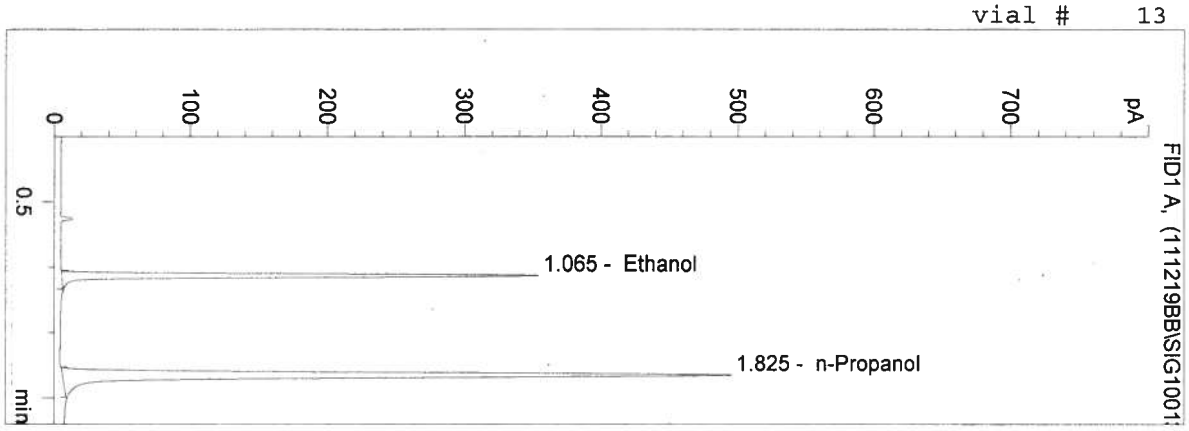
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:51:16 AM
Instrument 3
DB-ALC2

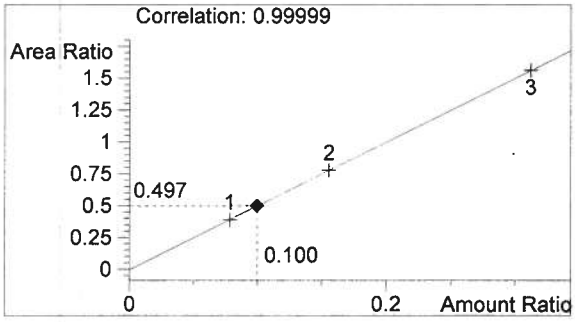
11055 #4-BB
Brittany Ball

vial # 13

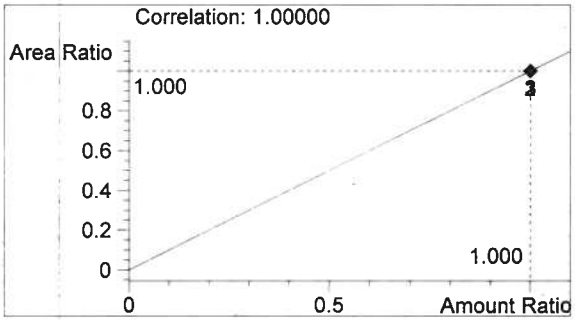


#	Compound	Area	RT
1	Ethanol	674	1.065
2	n-Propanol	1358	1.825

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

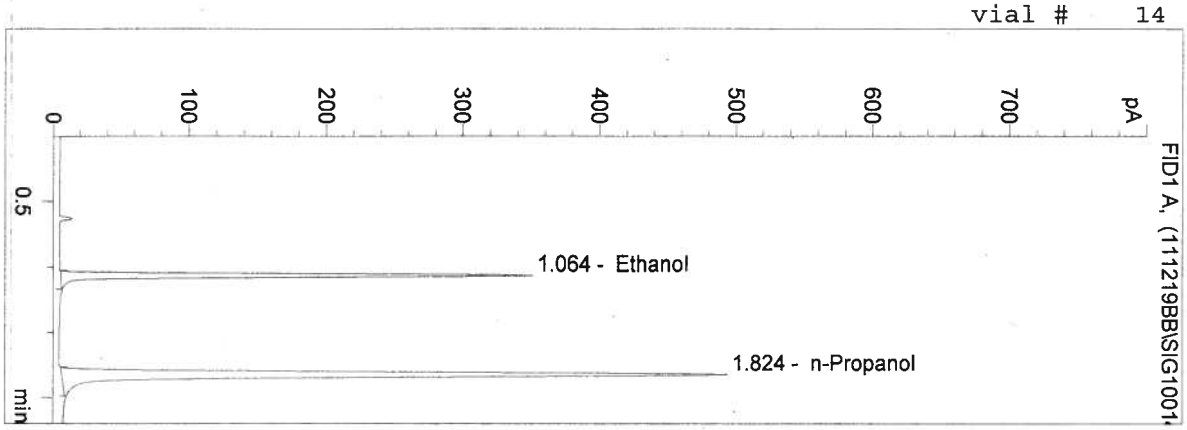
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:54:23 AM
Instrument 3
DB-ALC2

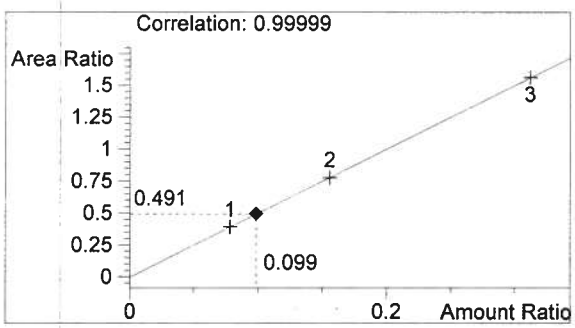
11055 #5-BB
Brittany Ball

vial # 14

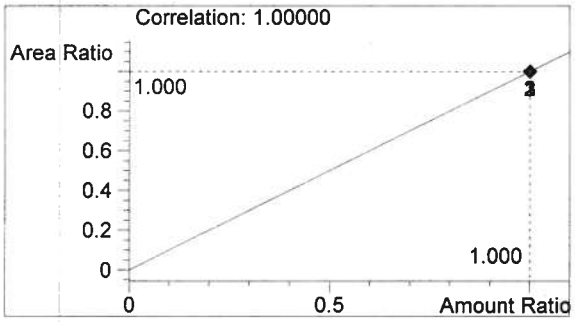


#	Compound	Area	RT
1	Ethanol	665	1.064
2	n-Propanol	1354	1.824

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

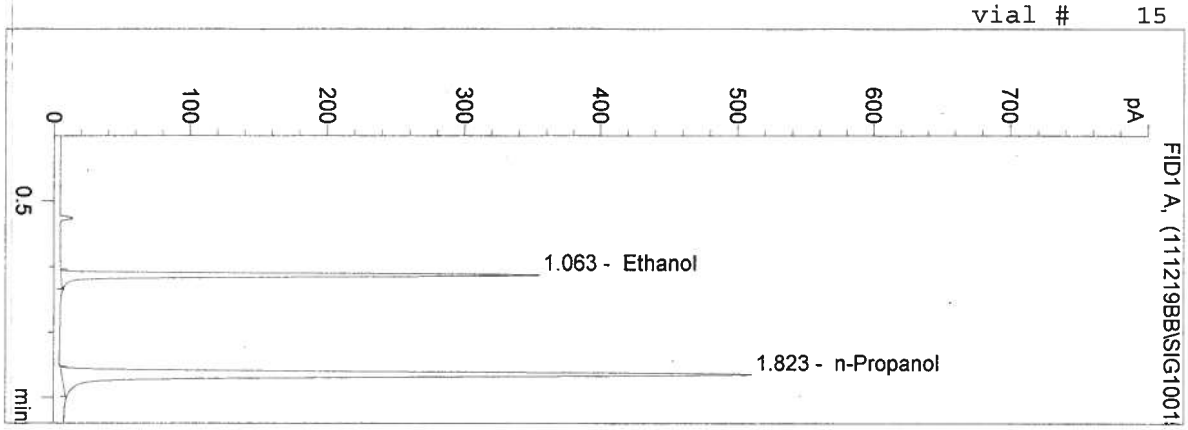
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 11:57:31 AM
Instrument 3
DB-ALC2

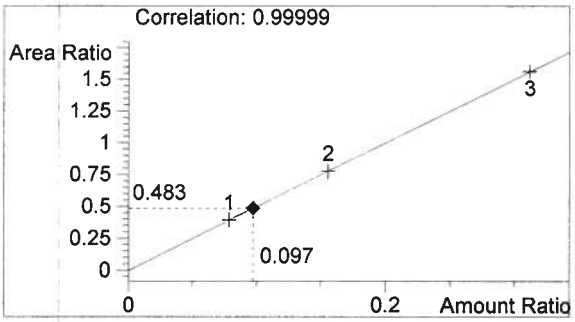
0.10 Ctrl-BB
Brittany Ball

vial # 15

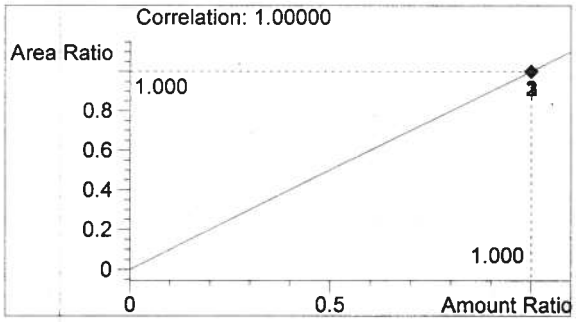


#	Compound	Area	RT
1	Ethanol	680	1.063
2	n-Propanol	1408	1.823

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

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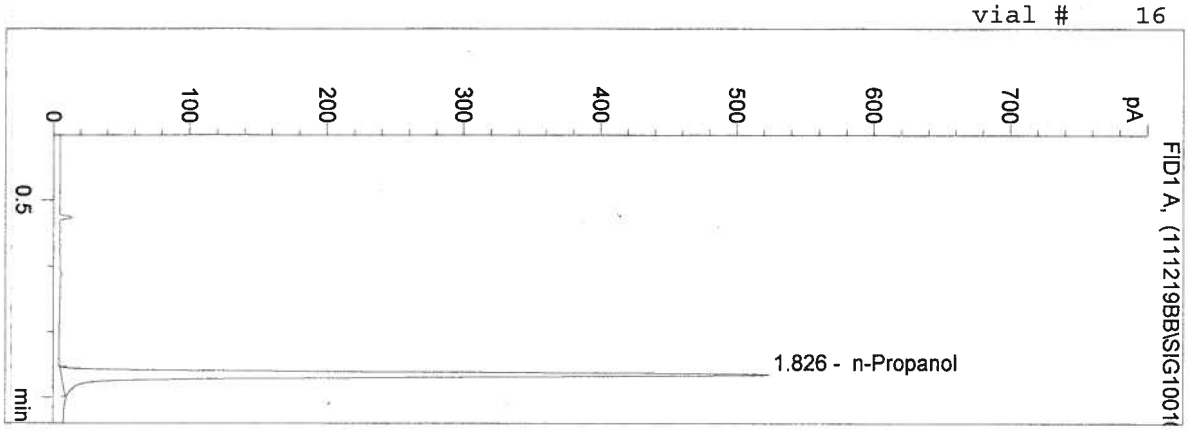
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 12:00:38 PM
Instrument 3
DB-ALC2

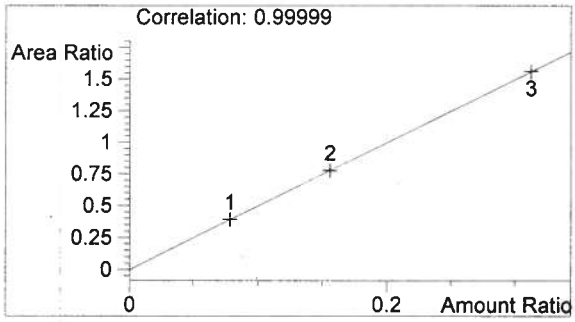
NEG Ctrl-BB
Brittany Ball

vial # 16

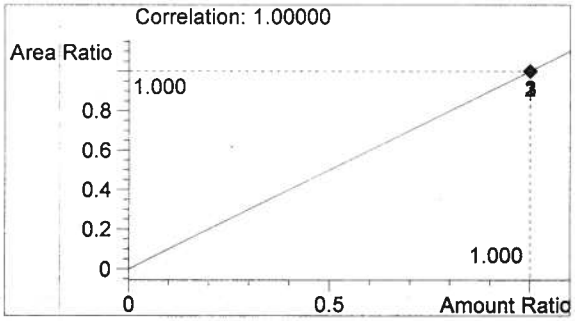


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1436	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

BB

11055

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:	111219LN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E1111-01 - Exp. 02/10/2012
Ethanol Calibrator 2, E1111-02 - Exp. 02/10/2012
Ethanol Calibrator 3, E1111-03 - Exp. 02/10/2012

0.04 Control - Lot #A075264 - Exp. 10/2014
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	11055 #1	SIMALC3	1	Sample		
11	Vial 11	11055 #2	SIMALC3	1	Sample		
12	Vial 12	11055 #3	SIMALC3	1	Sample		
13	Vial 13	11055 #4	SIMALC3	1	Sample		
14	Vial 14	11055 #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		

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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!

11055

Calibration Table

Calib. Data Modified : Monday, December 19, 2011 1:45:46 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,

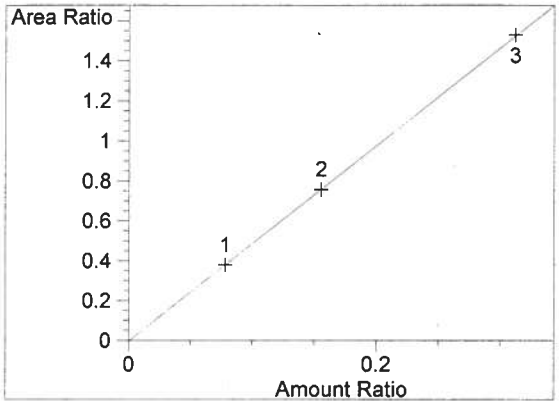
RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.064	1	1	7.86300e-2	502.71692	1.56410e-4		1	Ethanol
		2	1.55890e-1	988.97229	1.57628e-4			
		3	3.12180e-1	1998.45288	1.56211e-4			
1.824	1	1	1.00000	1326.66528	7.53770e-4	I1		n-Propanol
		2	1.00000	1307.07971	7.65064e-4			
		3	1.00000	1307.77051	7.64660e-4			

Peak Sum Table

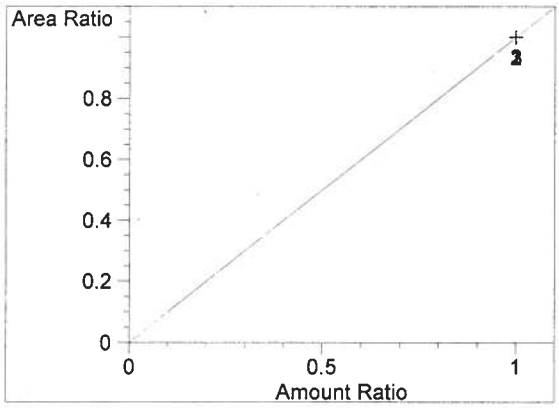
No Entries in table

Jn 11055

Calibration Curves



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00435
Formula: y = mx + b
m: 4.89922
b: -3.67717e-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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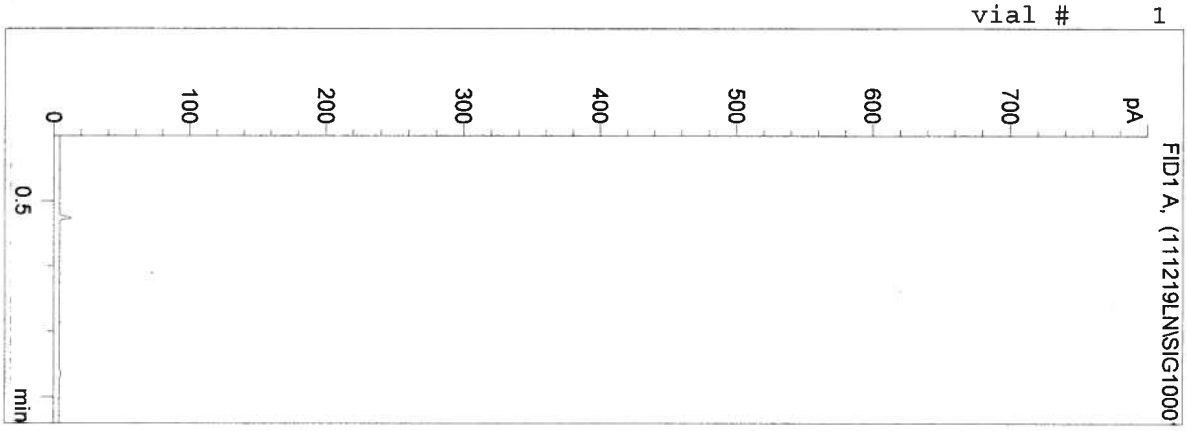
Instrument 3
DB-ALC2

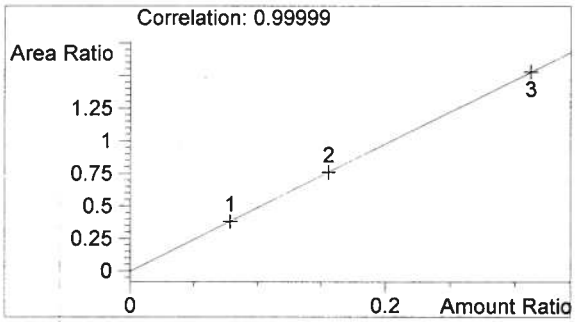
BLANK
Lisa Noble

vial # 1

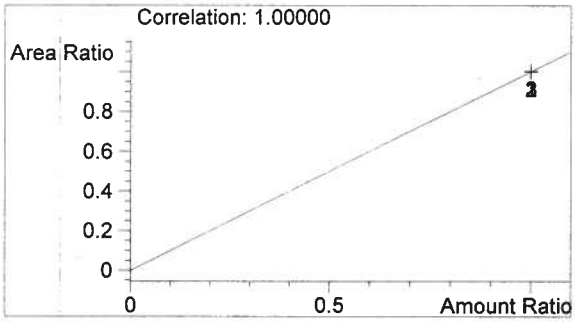


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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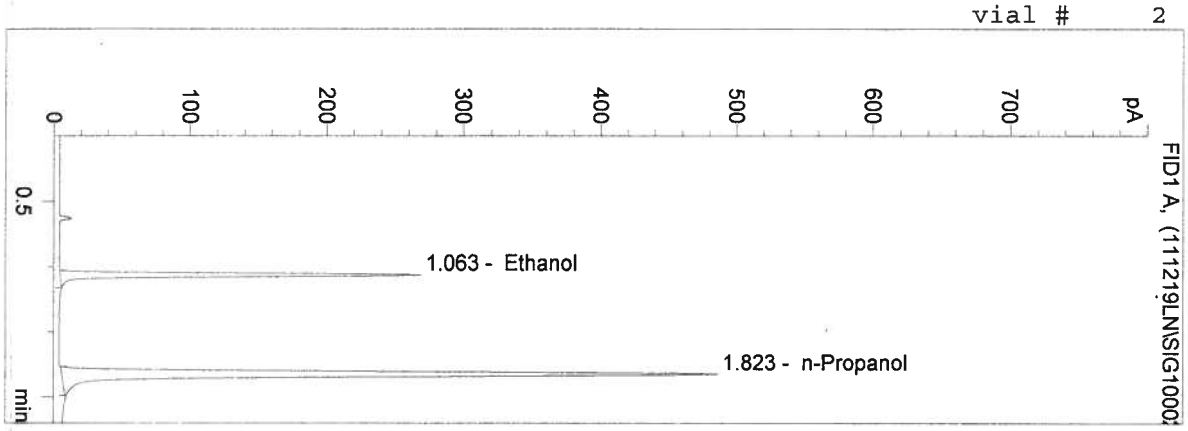
Instrument 3
DB-ALC2

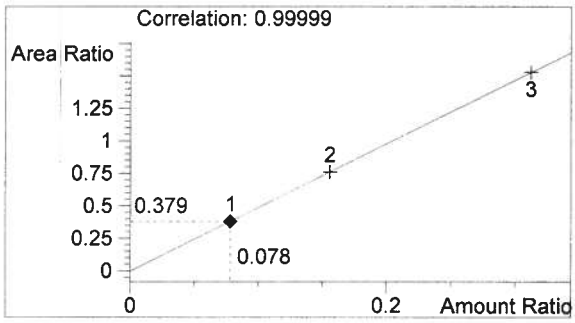
0.079 CAL
Lisa Noble

vial # 2

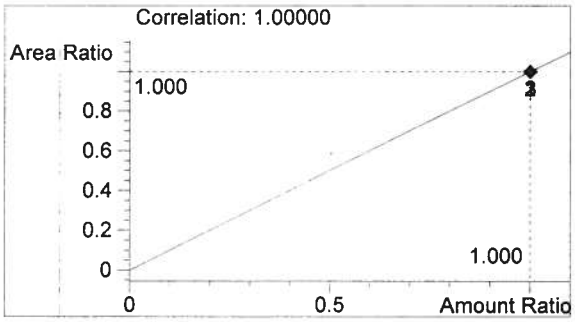


#	Compound	Area	RT
1	Ethanol	503	1.063
2	n-Propanol	1327	1.823

Totals:



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

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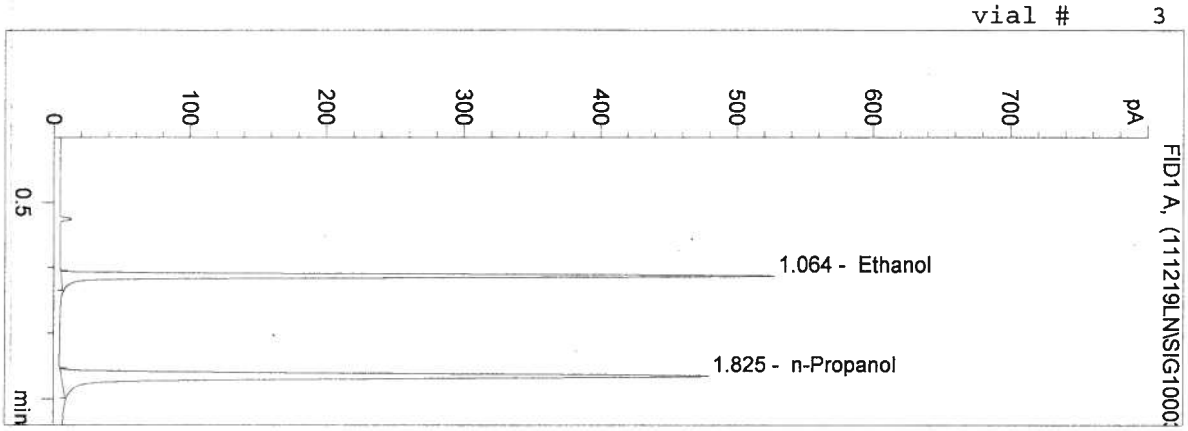
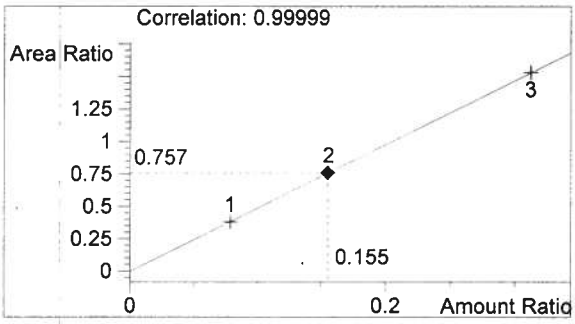
Instrument 3
DB-ALC2

0.158 CAL
Lisa Noble

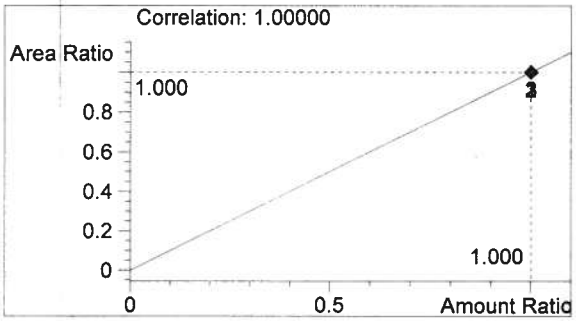
vial # 3



#	Compound	Area	RT
1	Ethanol	989	1.064
2	n-Propanol	1307	1.825
Totals:			



Ethanol 0.155 g/100ml



n-Propanol 1.000 g/100ml

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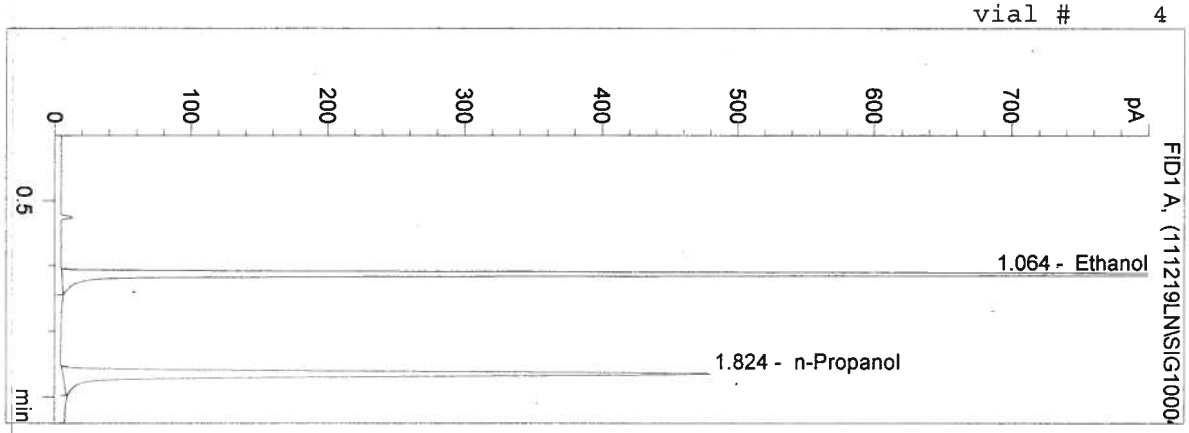
Instrument 3
DB-ALC2

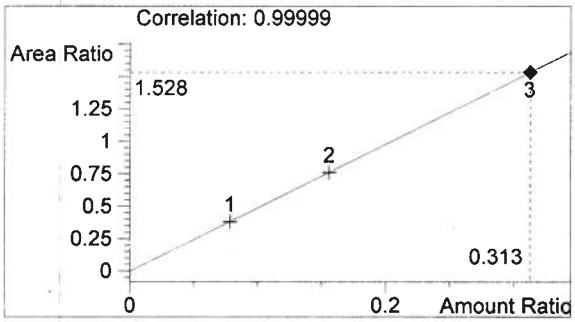
0.316 CAL
Lisa Noble

vial # 4

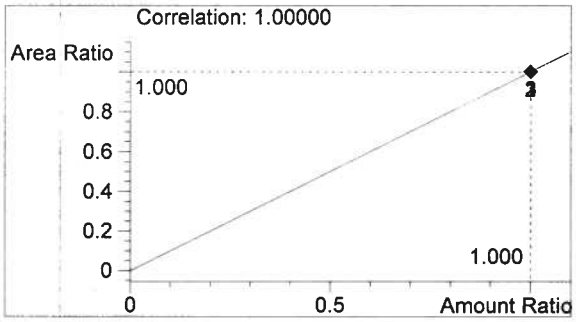


#	Compound	Area	RT
1	Ethanol	1998	1.064
2	n-Propanol	1308	1.824

Totals:



Ethanol 0.313 g/100ml



n-Propanol 1.000 g/100ml

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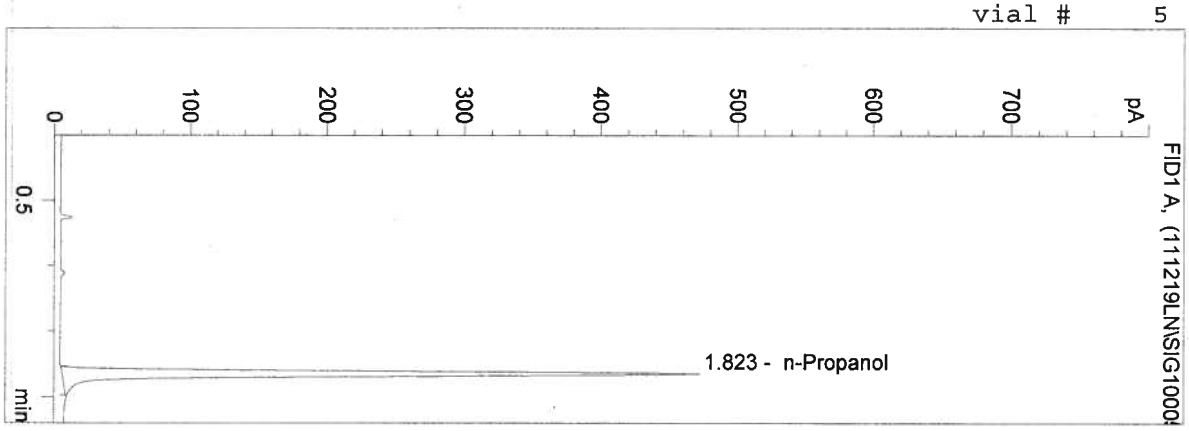
Instrument 3
DB-ALC2

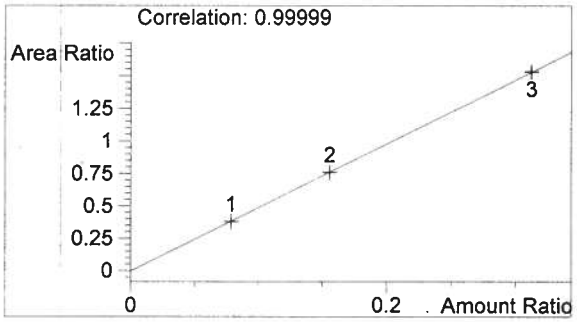
NEG CTRL - LN
Lisa Noble

vial # 5

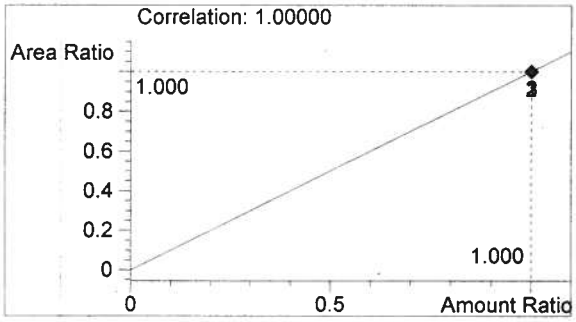


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1287	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 3
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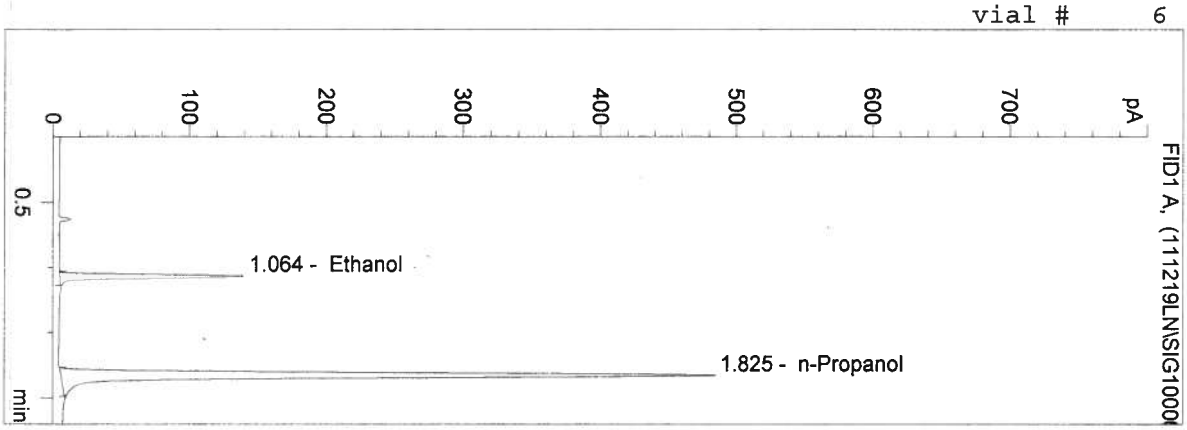
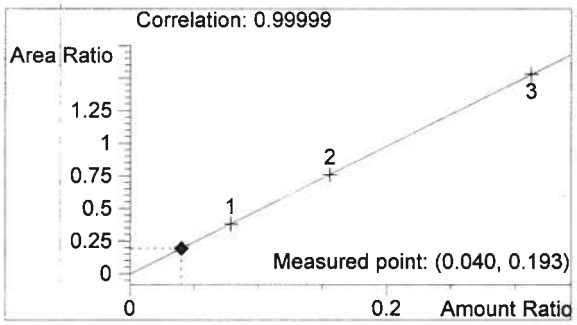
0.04 CTRL - LN
Lisa Noble

vial # 6

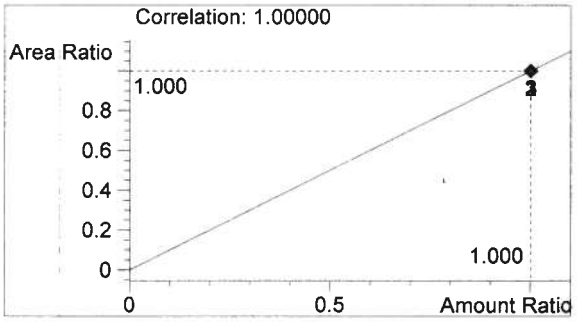


#	Compound	Area	RT
1	Ethanol	256	1.064
2	n-Propanol	1323	1.825

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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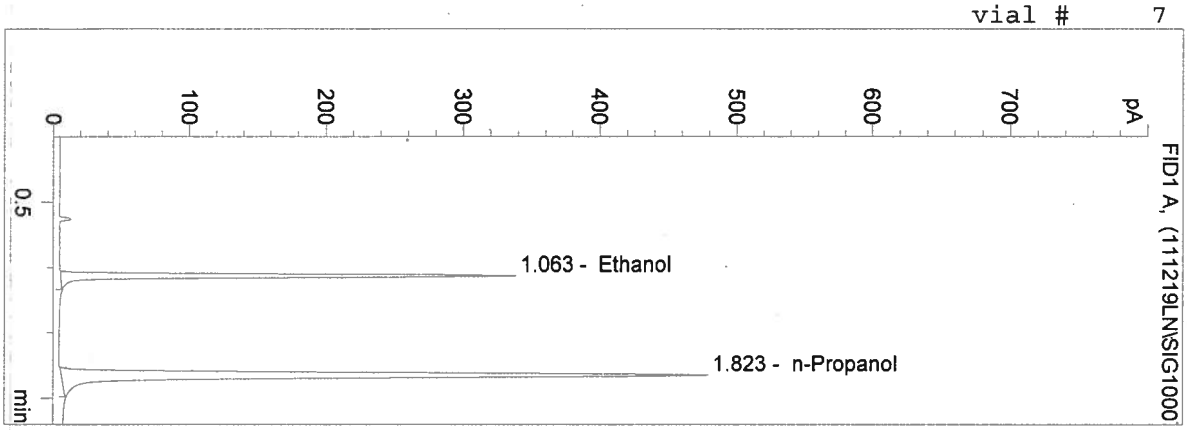
Instrument 3
DB-ALC2

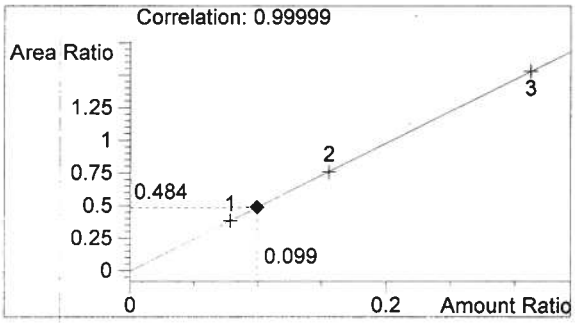
0.10 CTRL - LN
Lisa Noble

vial # 7

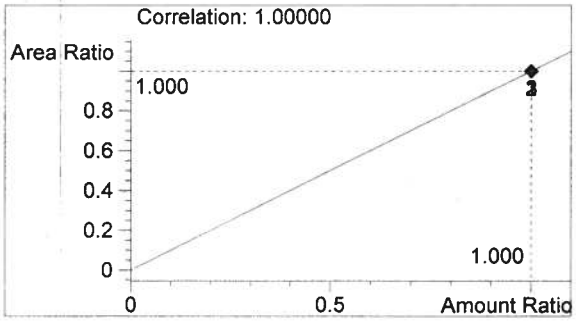


#	Compound	Area	RT
1	Ethanol	632	1.063
2	n-Propanol	1307	1.823

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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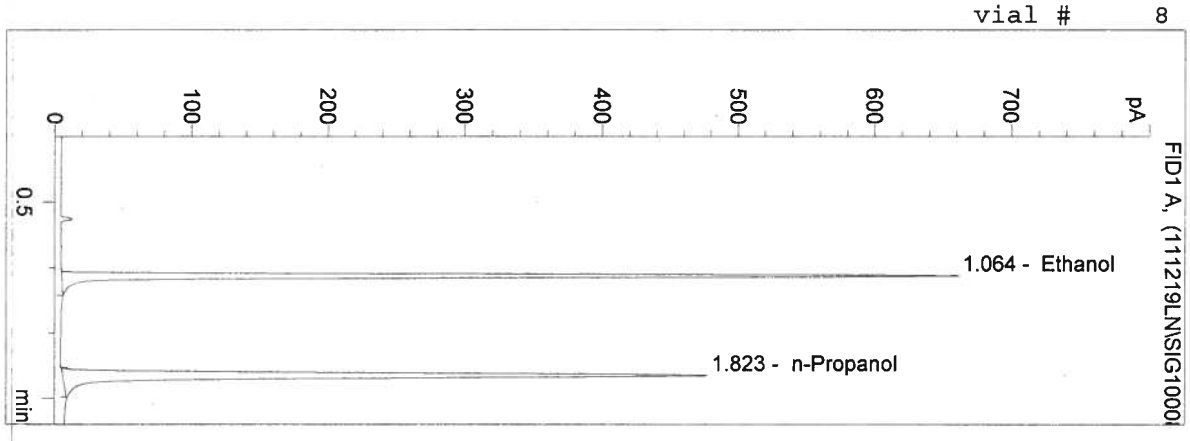
Instrument 3
DB-ALC2

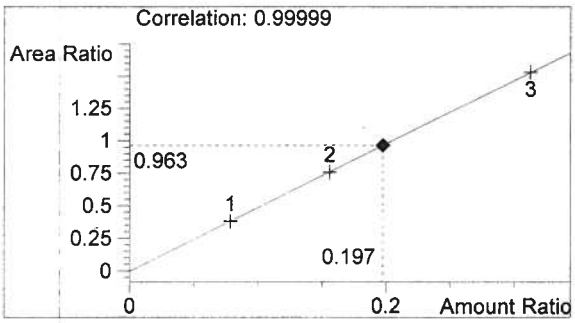
0.20 CTRL - LN
Lisa Noble

vial # 8

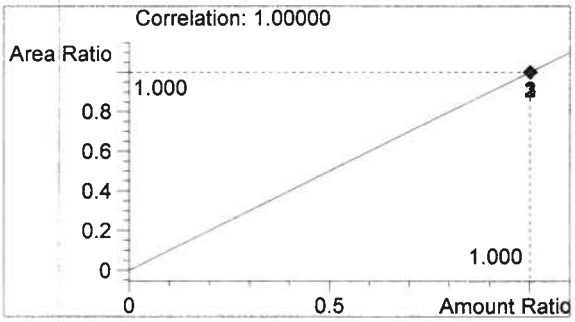


#	Compound	Area	RT
1	Ethanol	1252	1.064
2	n-Propanol	1299	1.823

Totals:



Ethanol 0.197 g/100ml



n-Propanol 1.000 g/100ml

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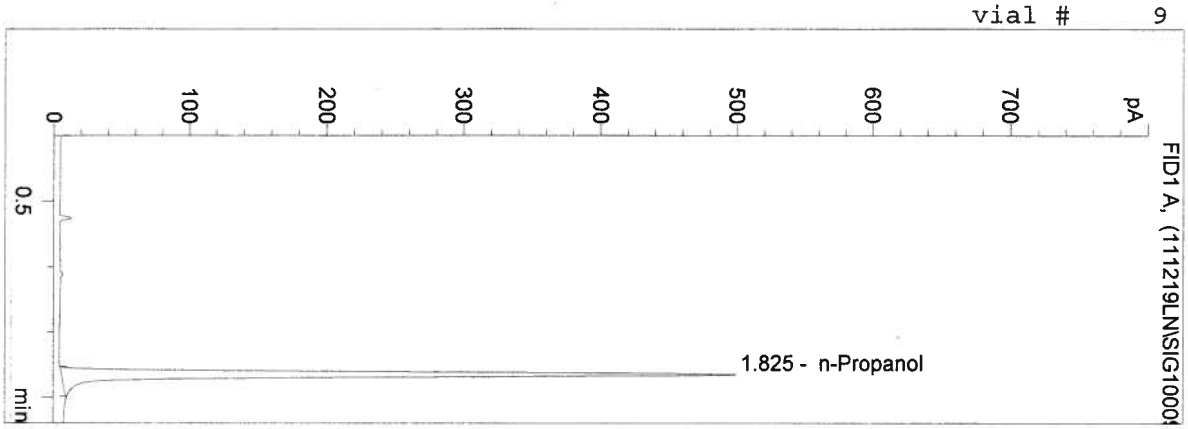
Instrument 3
DB-ALC2

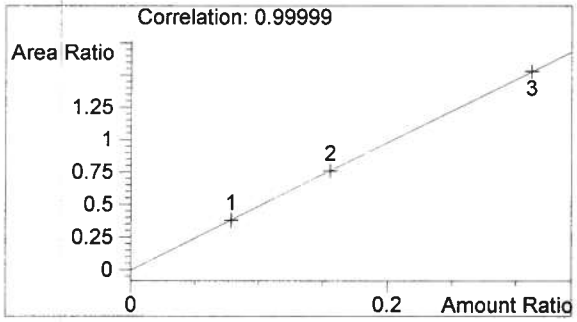
NEG CTRL - LN
Lisa Noble

vial # 9

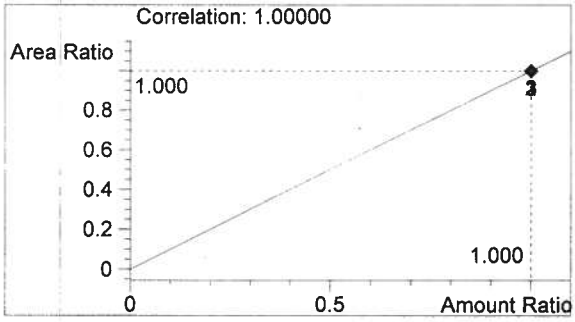


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1369	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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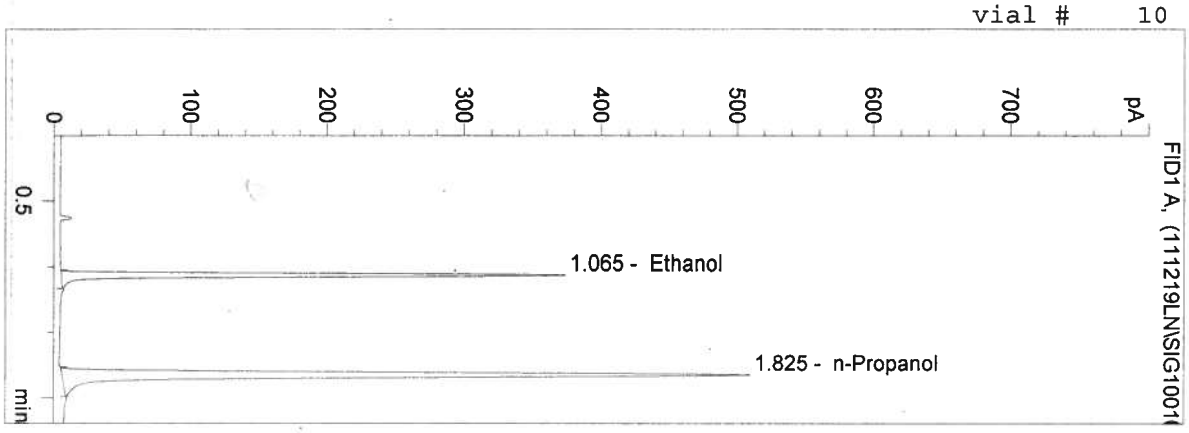
Instrument 3
DB-ALC2

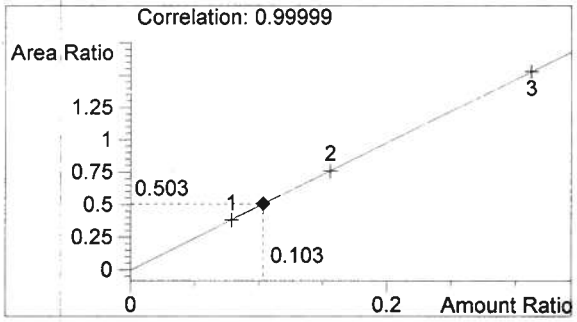
11055 #1
Lisa Noble

vial # 10

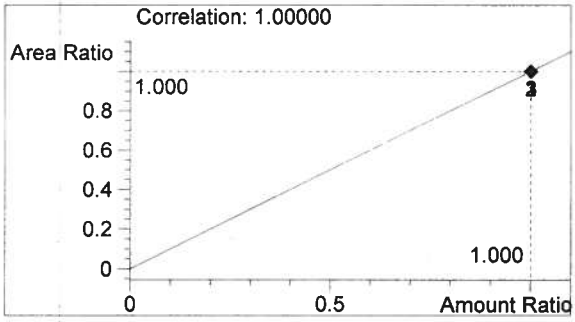


#	Compound	Area	RT
1	Ethanol	700	1.065
2	n-Propanol	1393	1.825

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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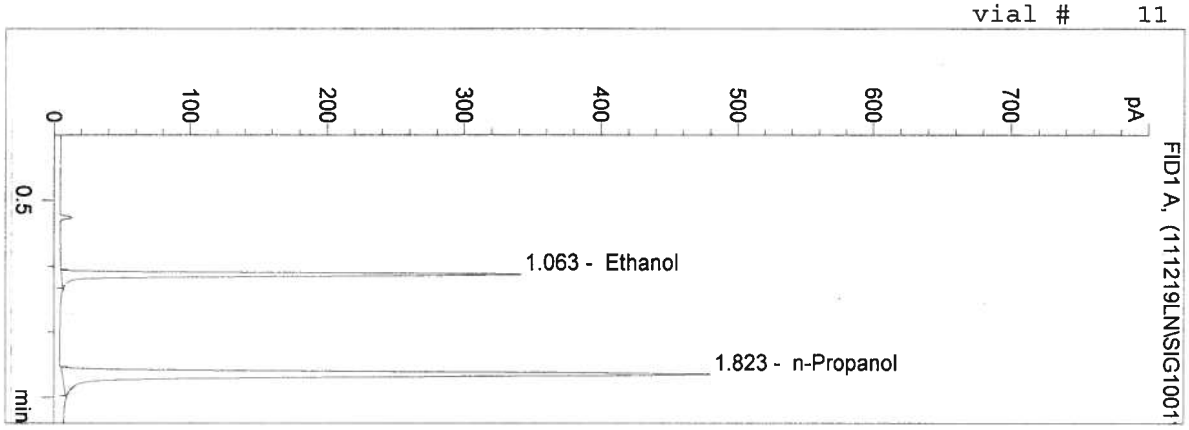
Instrument 3
DB-ALC2

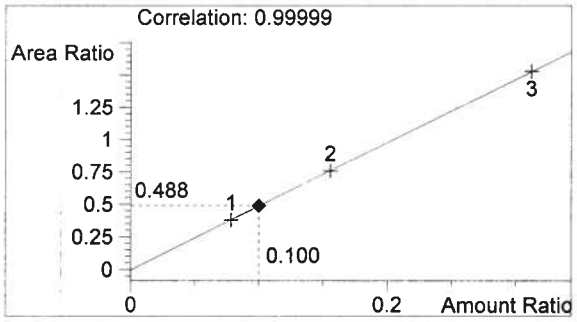
11055 #2
Lisa Noble

vial # 11

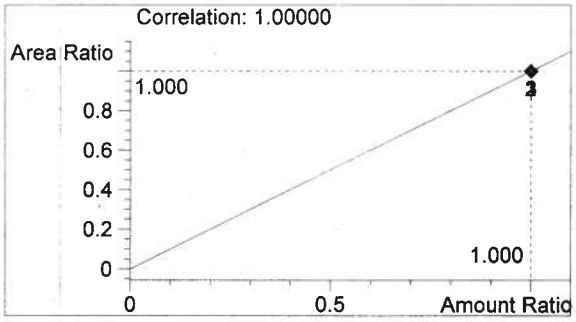


#	Compound	Area	RT
1	Ethanol	637	1.063
2	n-Propanol	1304	1.823

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

Sn

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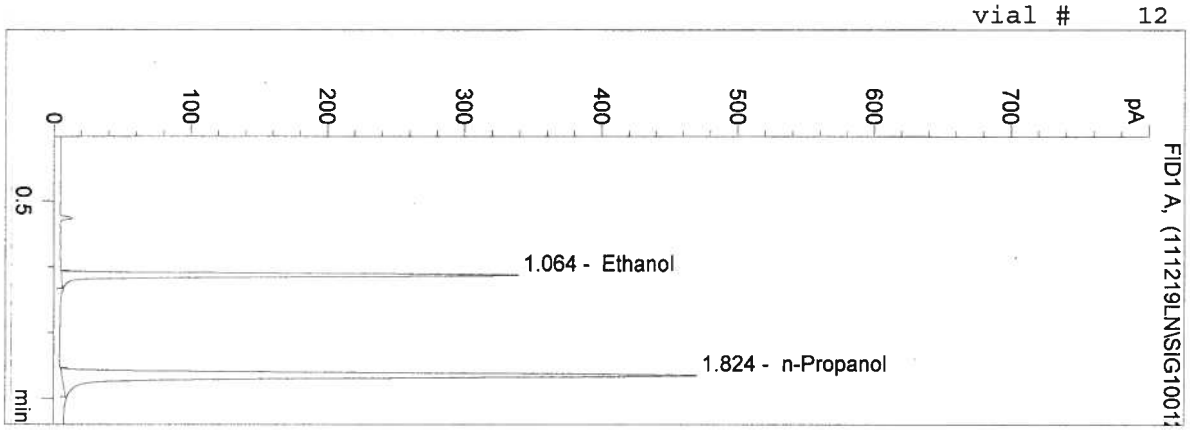
Instrument 3
DB-ALC2

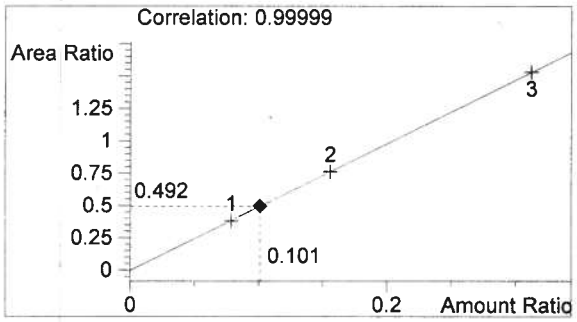
11055 #3
Lisa Noble

vial # 12

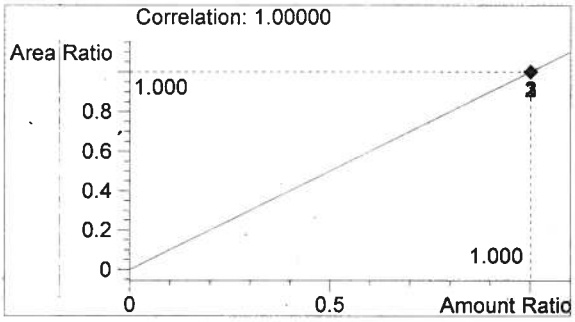


#	Compound	Area	RT
1	Ethanol	630	1.064
2	n-Propanol	1282	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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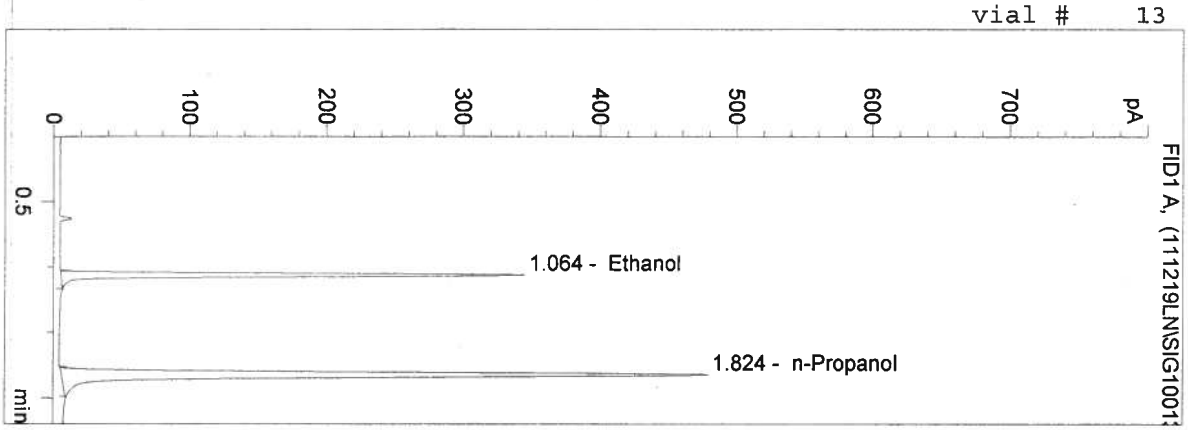
Instrument 3
DB-ALC2

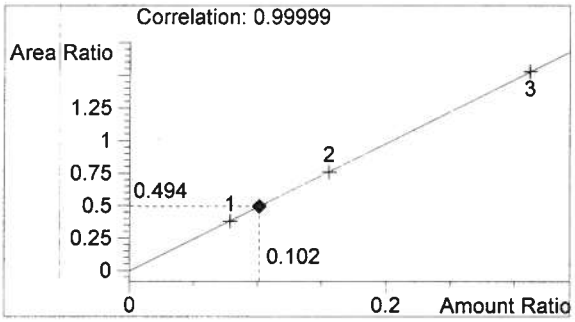
11055 #4
Lisa Noble

vial # 13

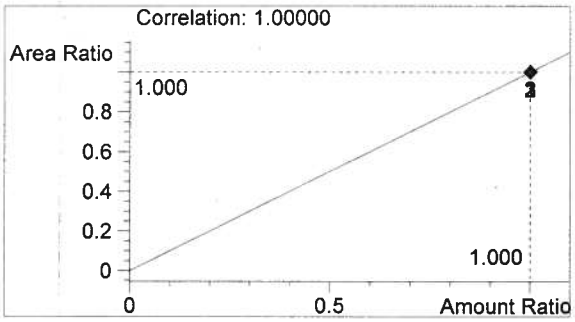


#	Compound	Area	RT
1	Ethanol	645	1.064
2	n-Propanol	1305	1.824

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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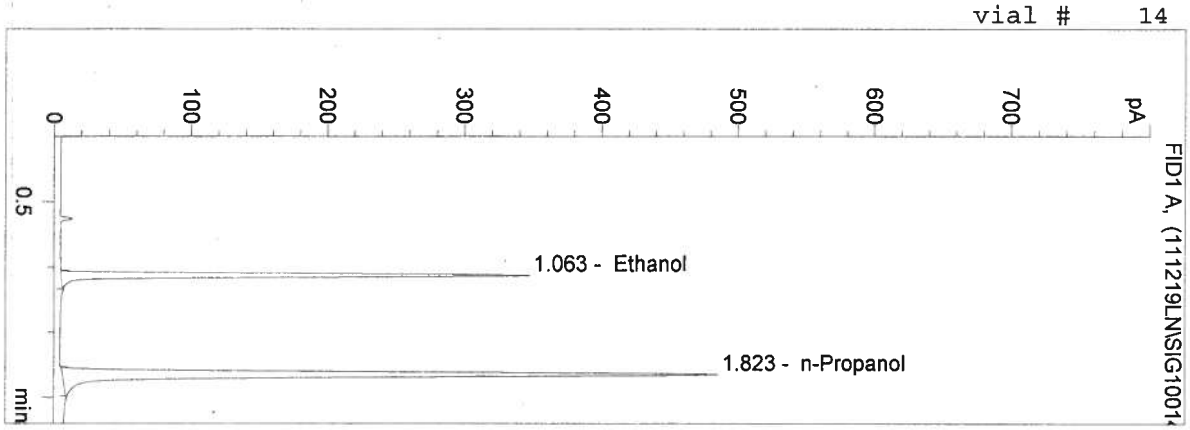
Instrument 3
DB-ALC2

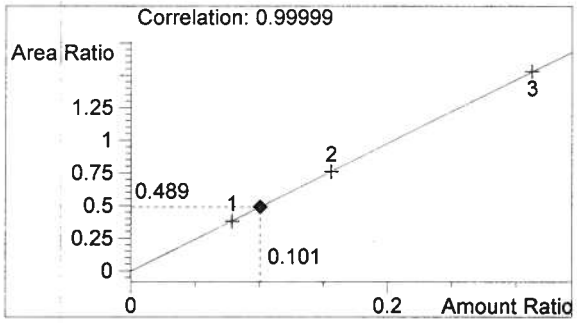
11055 #5
Lisa Noble

vial # 14

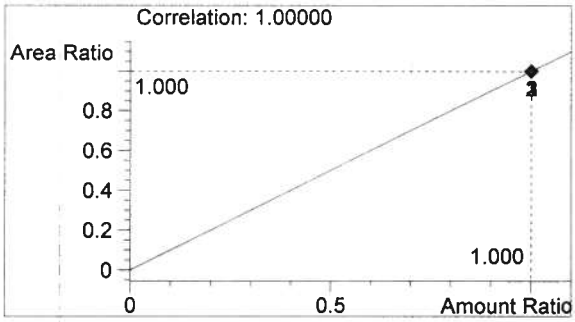


#	Compound	Area	RT
1	Ethanol	646	1.063
2	n-Propanol	1320	1.823

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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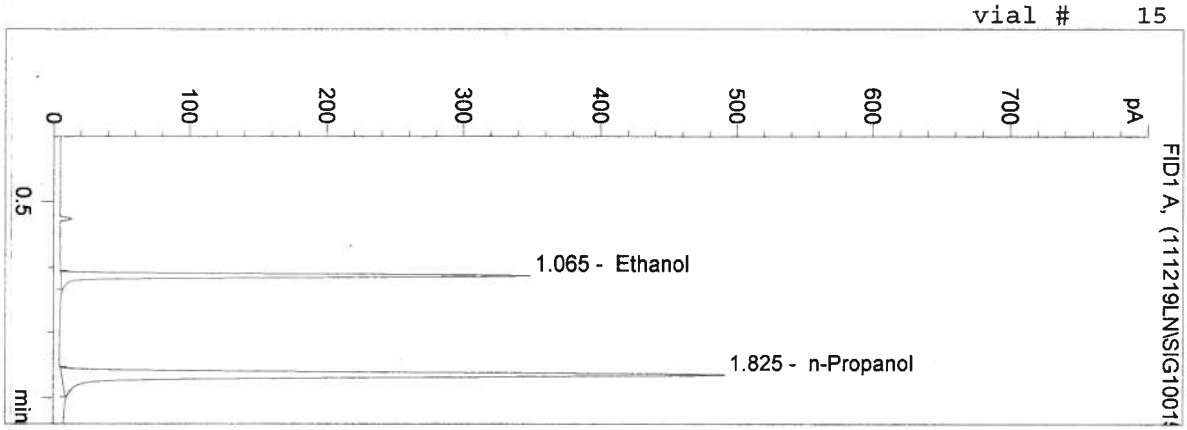
Instrument 3
DB-ALC2

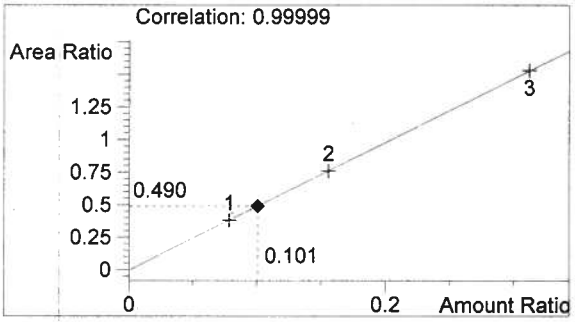
0.10 CTRL - LN
Lisa Noble

vial # 15

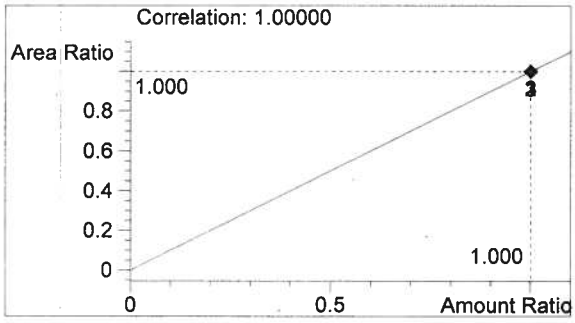


#	Compound	Area	RT
1	Ethanol	655	1.065
2	n-Propanol	1338	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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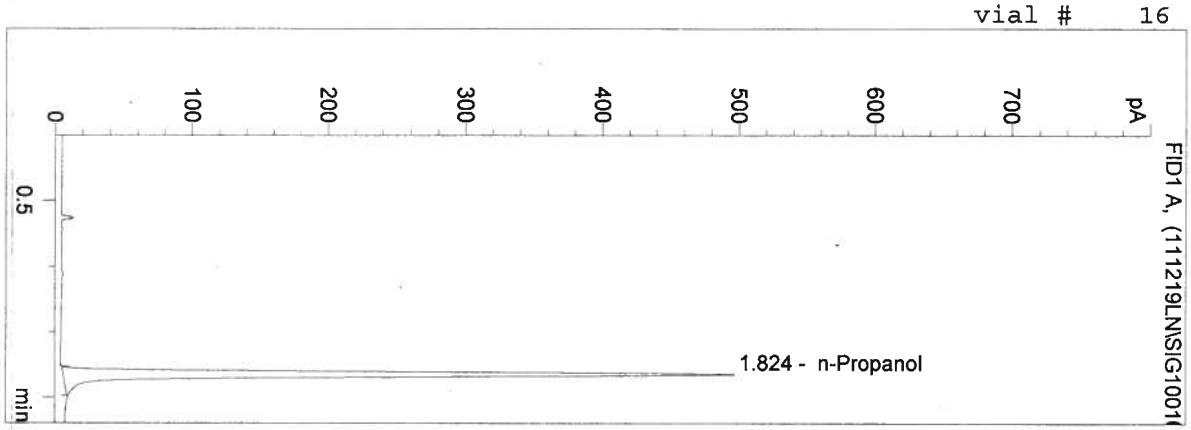
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/19/2011 2:21:01 PM
Instrument 3
DB-ALC2

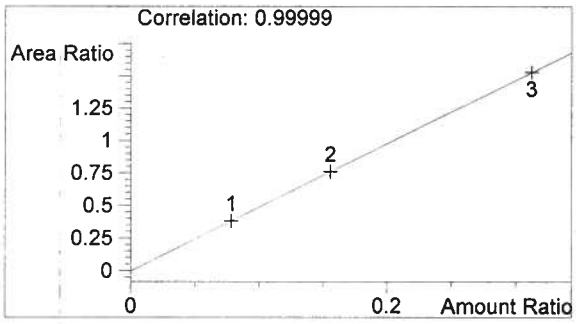
NEG CTRL - LN
Lisa Noble

vial # 16

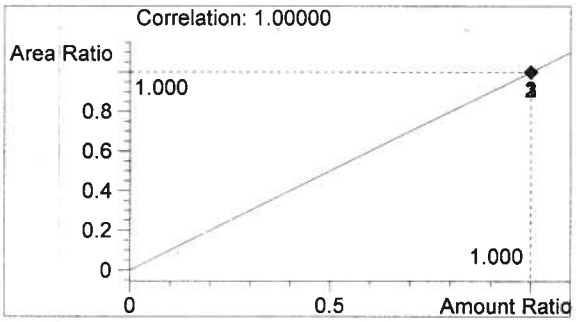


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1349	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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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:	111221A1
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
cal 1 e1111-01 exp 02/10/2012
cal 2 e1111-02 exp 02/10/2012
cal 3 e1111-03 exp 02/10/2012
0.04 control lot# a075264 exp 10/2014
0.10 control lot# a075806 exp 11/2014
0.20 control lot# a076521 exp 12/2014

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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	11055 #1	SIMALC3	1	Sample		
11	Vial 11	11055 #2	SIMALC3	1	Sample		
12	Vial 12	11055 #3	SIMALC3	1	Sample		
13	Vial 13	11055 #4	SIMALC3	1	Sample		
14	Vial 14	11055 #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		

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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):

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

No entries - empty table!

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Calibration Table

Calib. Data Modified : Wednesday, December 21, 2011 1:59:37 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	7.86300e-2	498.51013	1.57730e-4	1		Ethanol
		2	1.55890e-1	1068.95850	1.45834e-4			
		3	3.12180e-1	2125.41968	1.46879e-4			
1.825	1	1	1.00000	1313.74841	7.61181e-4	I1		n-Propanol
		2	1.00000	1380.06921	7.24601e-4			
		3	1.00000	1369.08643	7.30414e-4			

Peak Sum Table

No Entries in table

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Calibration Curves

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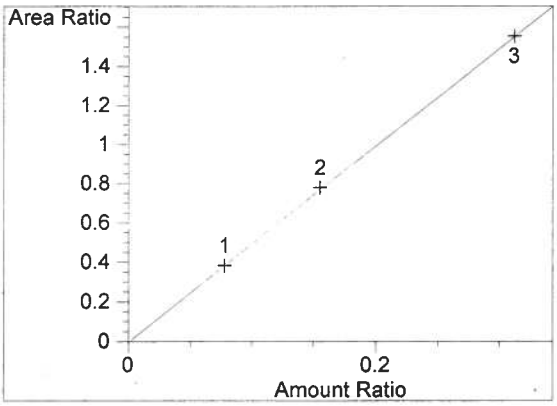
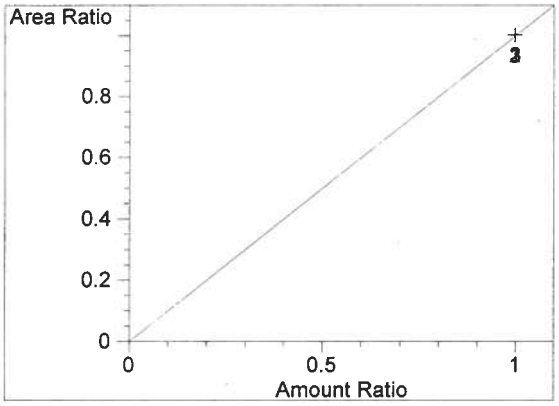


Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00666
Formula: y = mx + b
m: 4.98526
b: -4.74537e-3
x: Amount Ratio
y: Area Ratio



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

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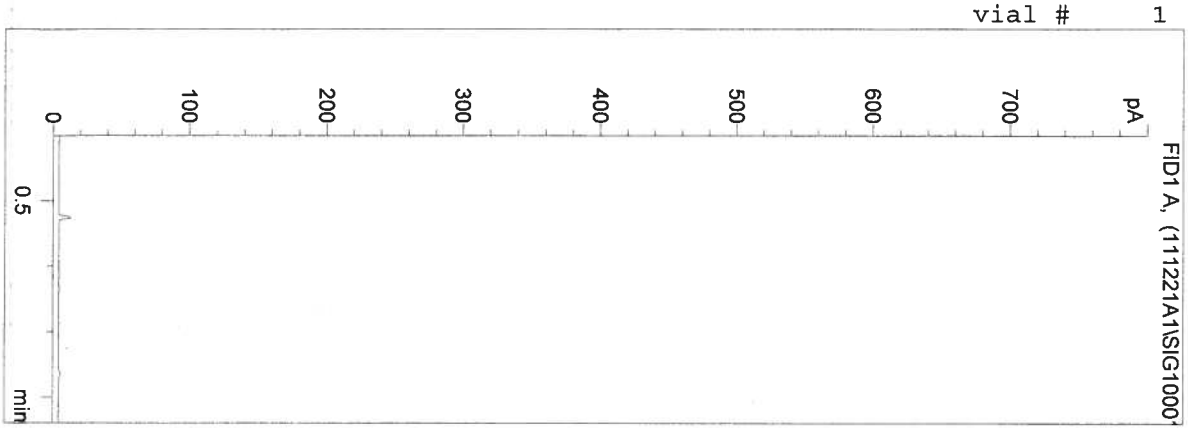
Instrument 3
DB-ALC2

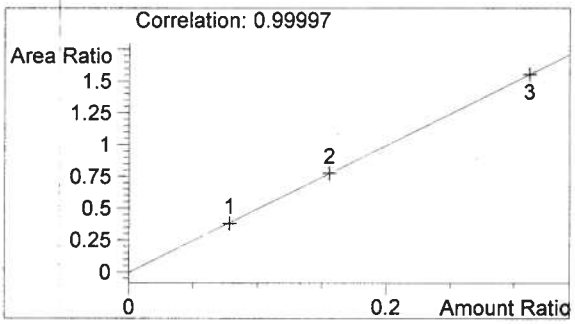
blank
asa louis

vial # 1

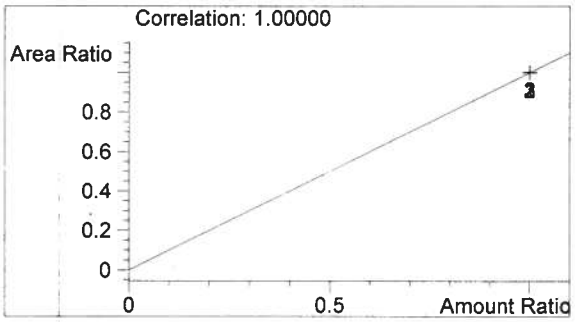


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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C:\HPCHEM\2\METHODS\SIMALC3.M
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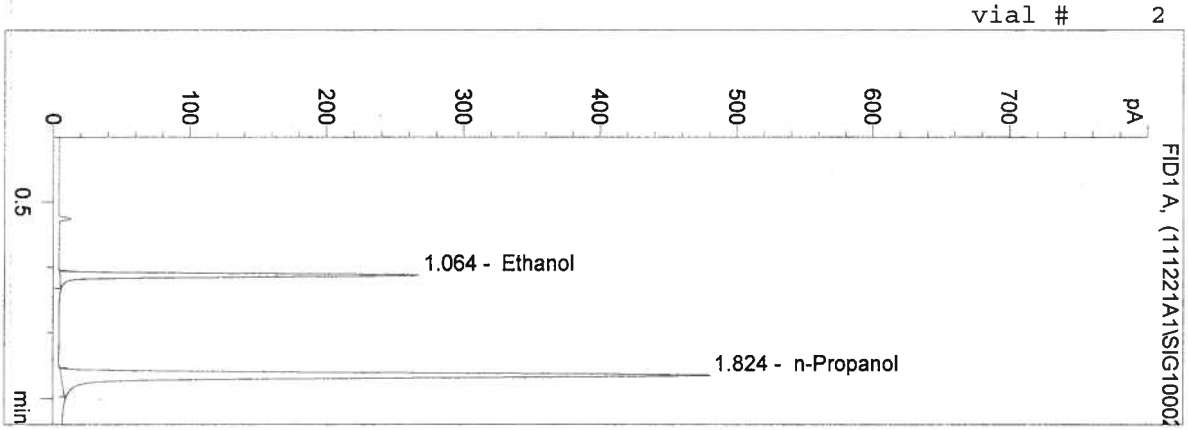
Instrument 3
DB-ALC2

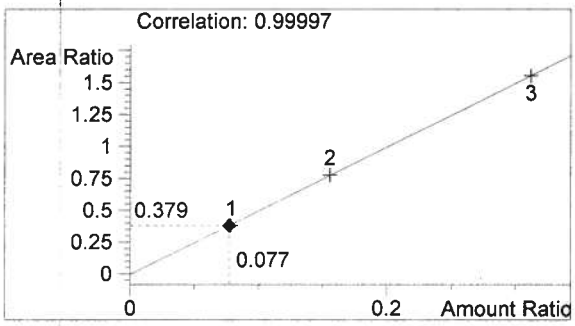
0.079 cal 1
asa louis

vial # 2

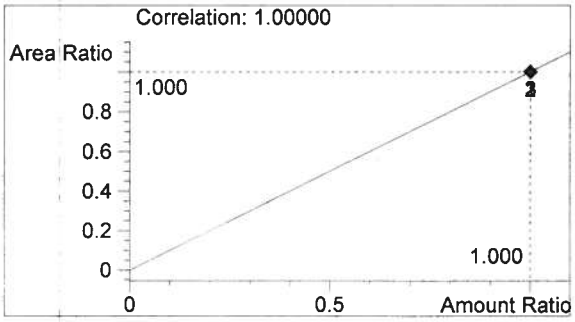


#	Compound	Area	RT
1	Ethanol	499	1.064
2	n-Propanol	1314	1.824

Totals:



Ethanol 0.077 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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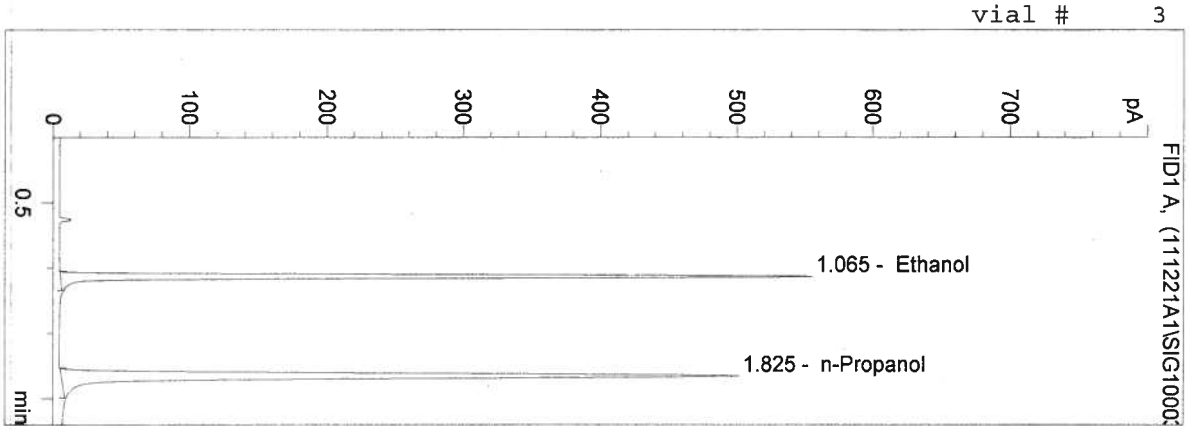
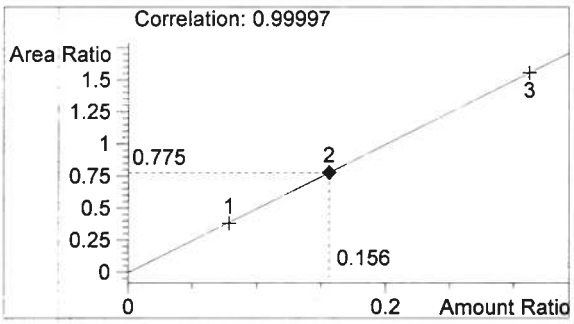
Instrument 3
DB-ALC2

0.158 cal 2
asa louis

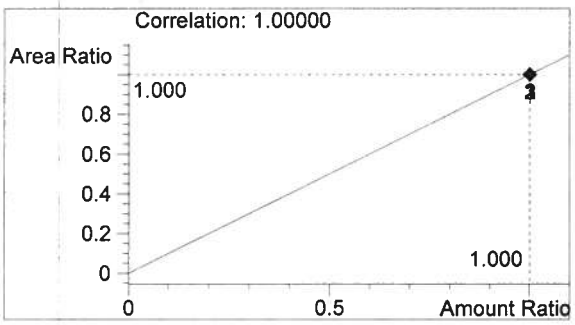
vial # 3



#	Compound	Area	RT
1	Ethanol	1069	1.065
2	n-Propanol	1380	1.825
Totals:			



Ethanol 0.156 g/100ml



n-Propanol 1.000 g/100ml

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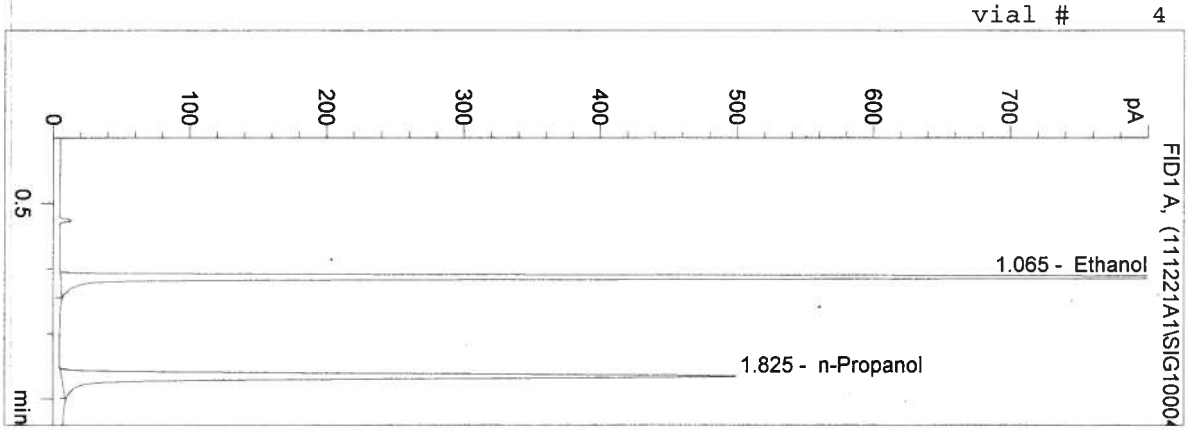
Instrument 3
DB-ALC2

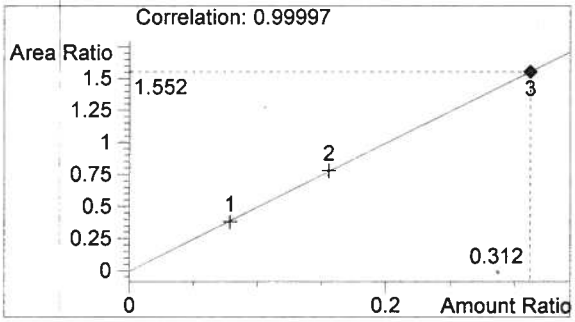
0.316 cal 3
asa louis

vial # 4

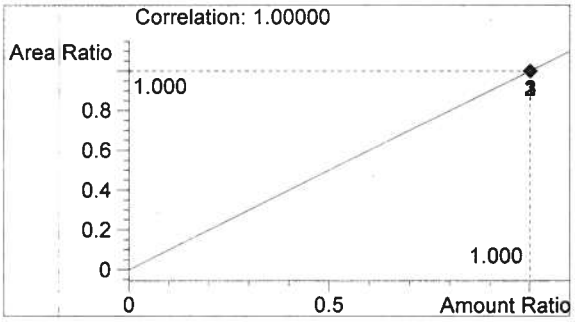


#	Compound	Area	RT
1	Ethanol	2125	1.065
2	n-Propanol	1369	1.825

Totals:



Ethanol 0.312 g/100ml



n-Propanol 1.000 g/100ml

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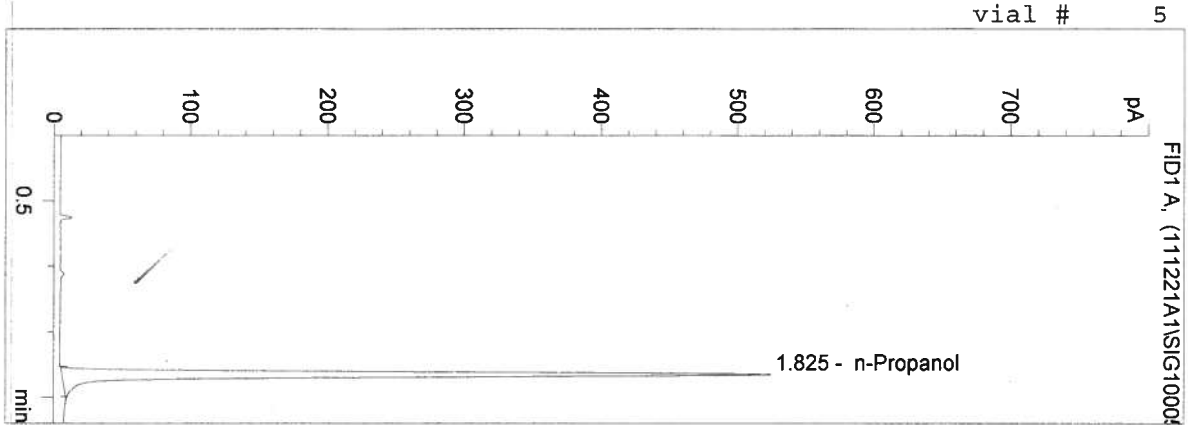
Instrument 3
DB-ALC2

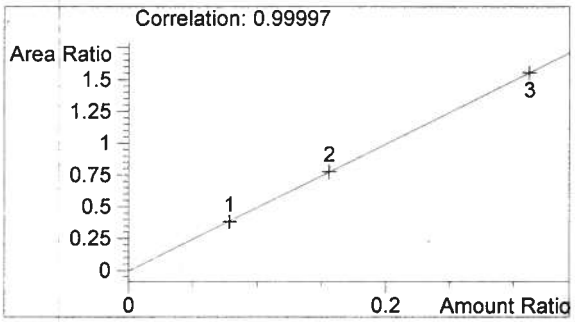
neg control - al
asa louis

vial # 5

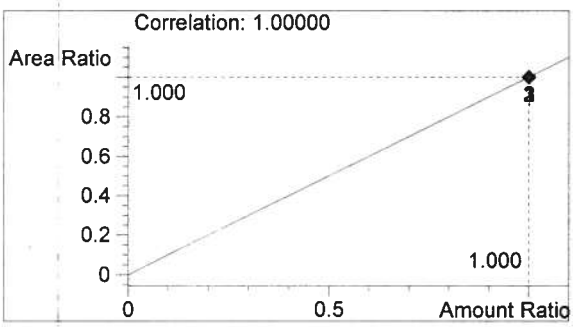


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1441	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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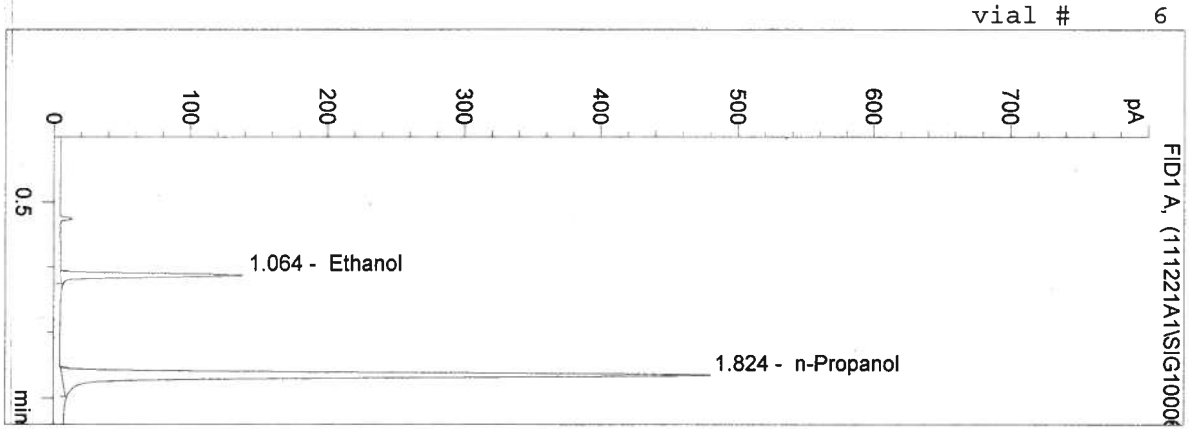
Instrument 3
DB-ALC2

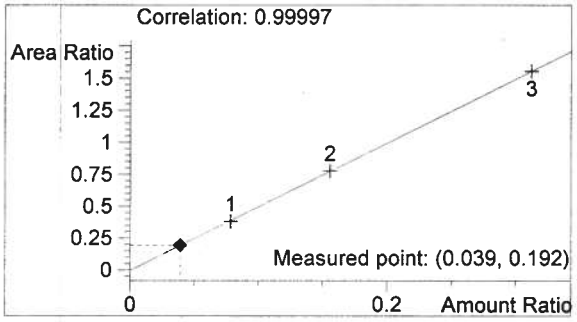
0.04 ctrl al
asa louis

vial # 6

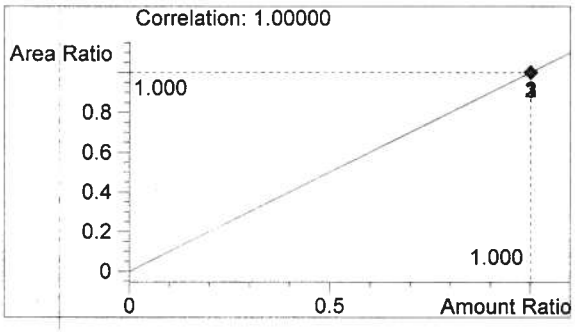


#	Compound	Area	RT
1	Ethanol	253	1.064
2	n-Propanol	1316	1.824

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

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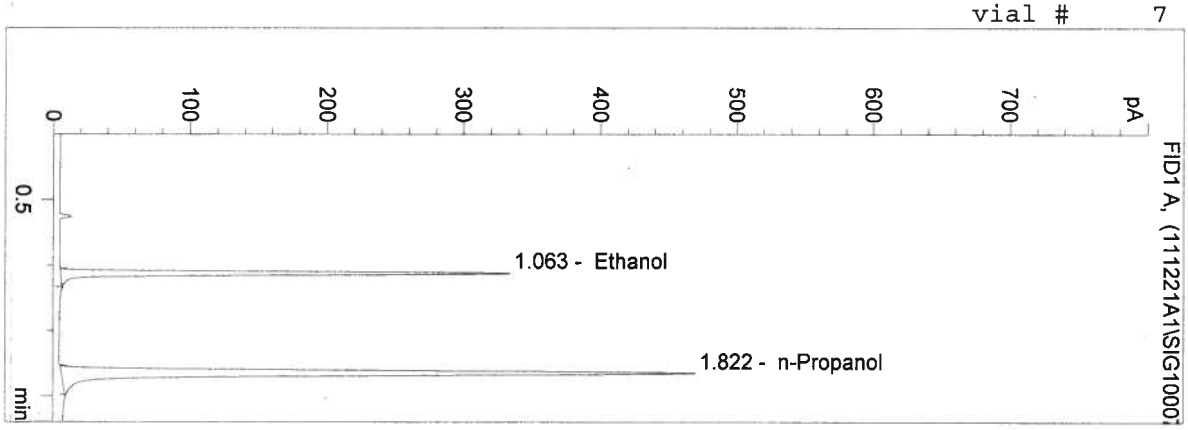
Instrument 3
DB-ALC2

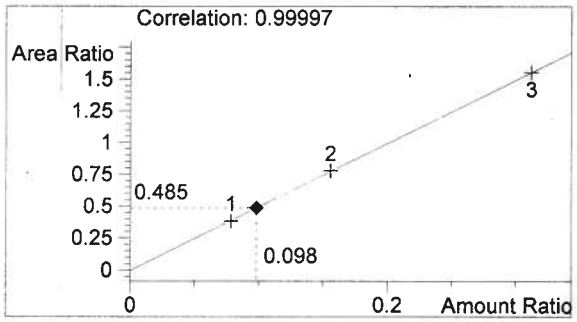
0.10 ctrl al
asa louis

vial # 7

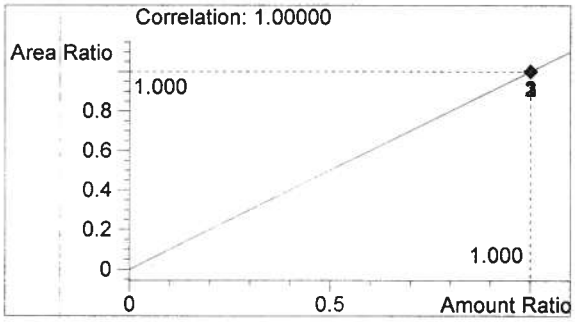


#	Compound	Area	RT
1	Ethanol	621	1.063
2	n-Propanol	1278	1.822

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

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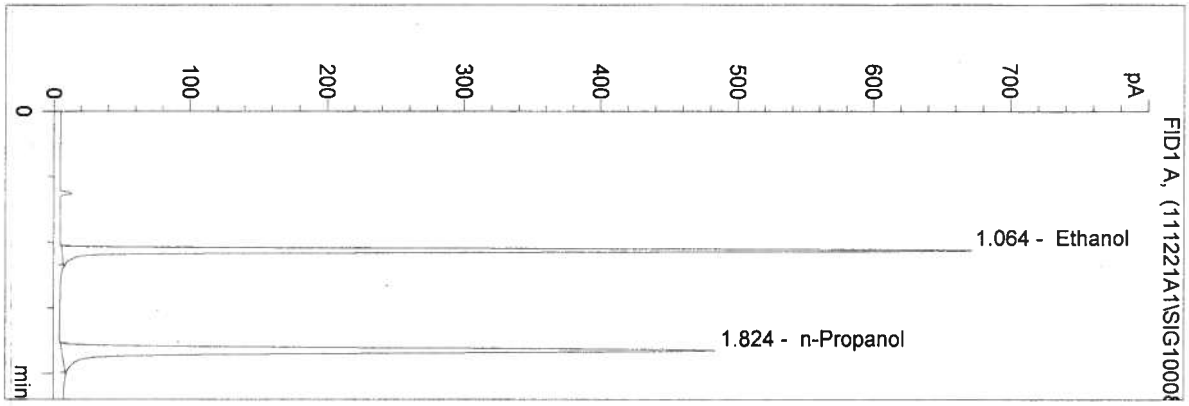
Instrument 3
DB-ALC2

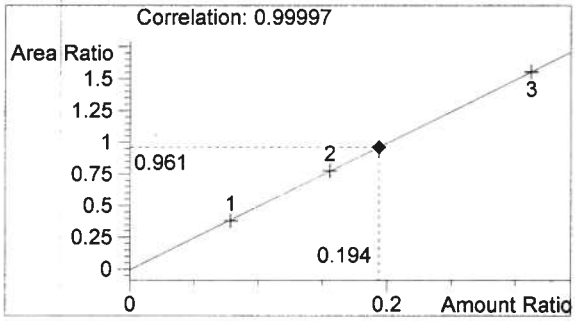
0.20 ctrl al
asa louis

vial # 8

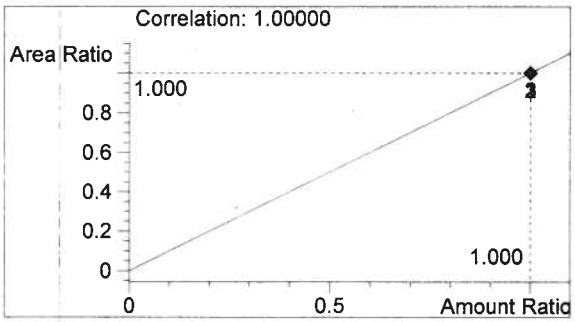


#	Compound	Area	RT
1	Ethanol	1273	1.064
2	n-Propanol	1325	1.824

Totals:



Ethanol 0.194 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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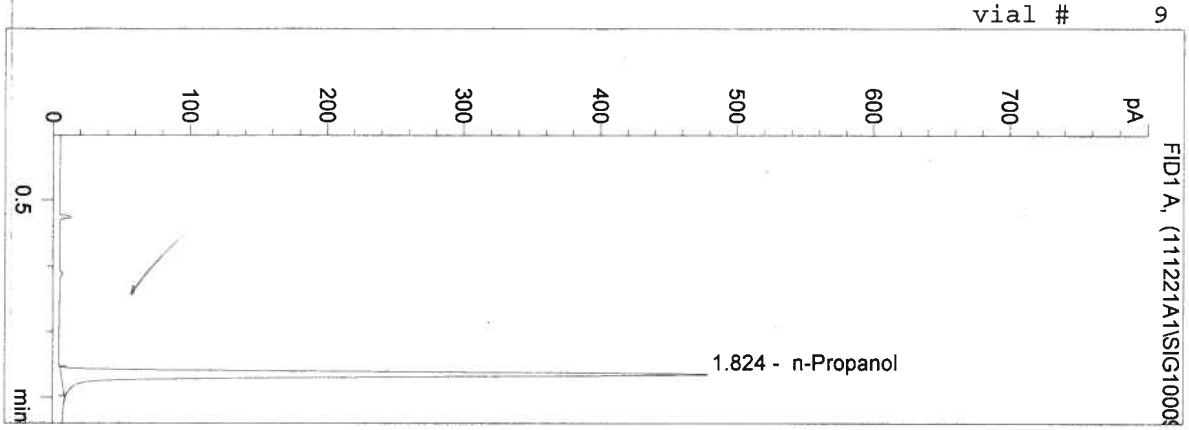
12/21/2011 2:13:01 PM
Instrument 3
DB-ALC2

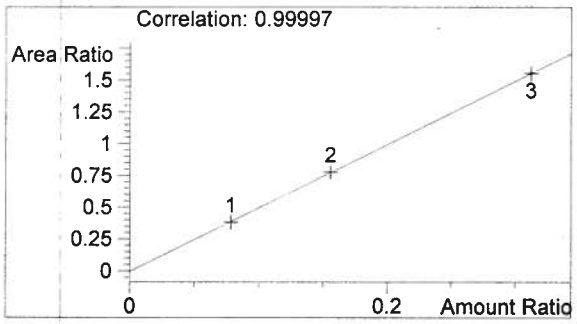
neg control - al
asa louis

vial # 9

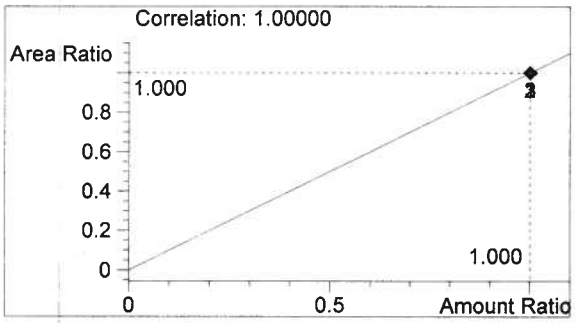


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1311	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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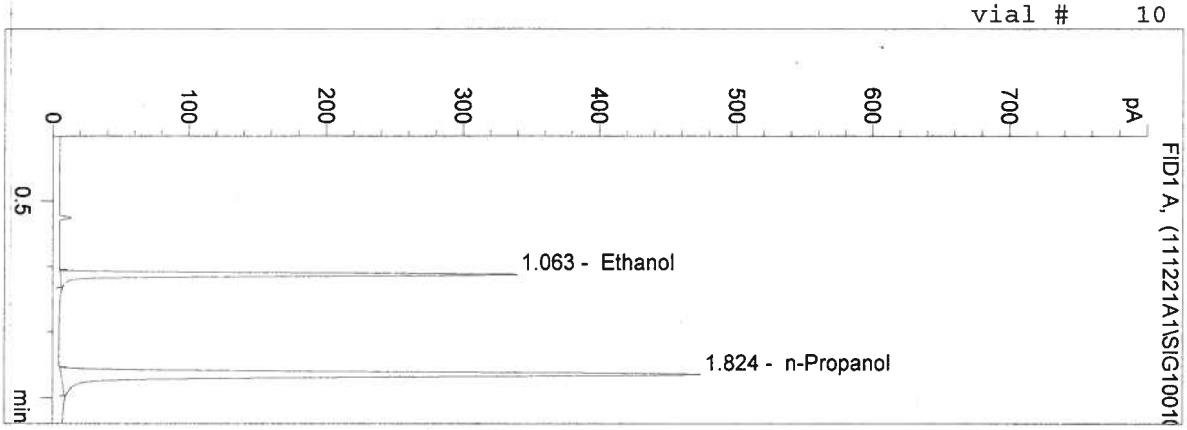
12/21/2011 2:16:08 PM
Instrument 3
DB-ALC2

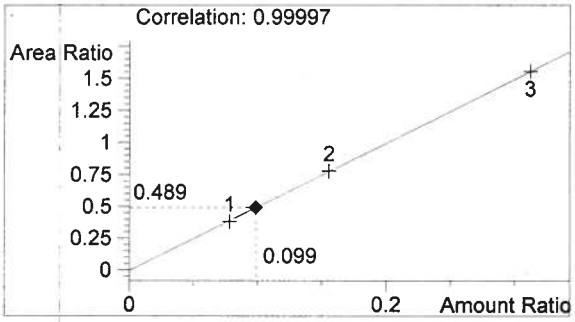
11055 #1
asa louis

vial # 10

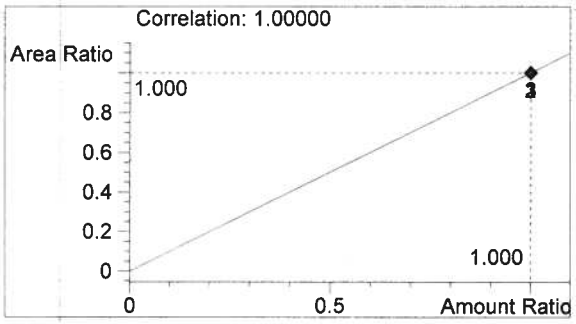


#	Compound	Area	RT
1	Ethanol	632	1.063
2	n-Propanol	1292	1.824

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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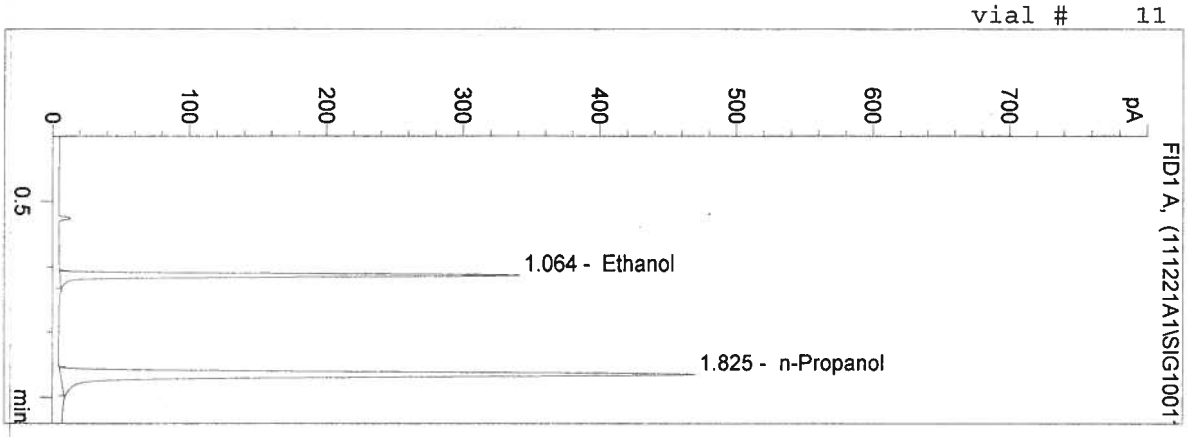
AC
20120103

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/21/2011 2:19:15 PM
Instrument 3
DB-ALC2

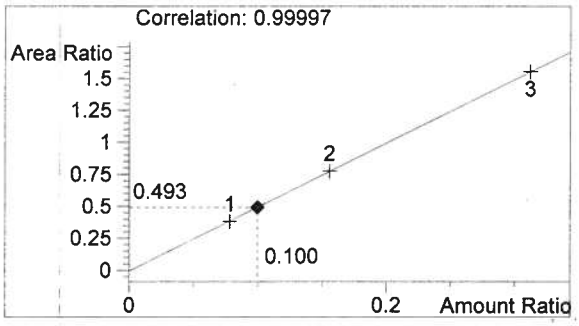
11055 #2
asa louis

vial # 11

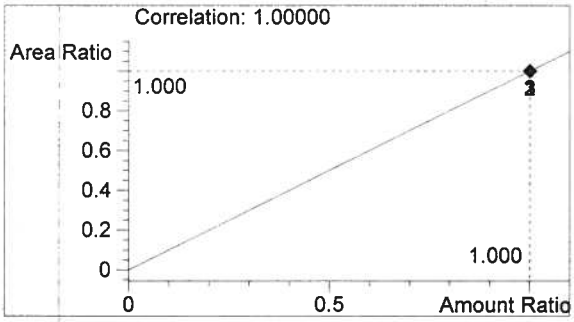


#	Compound	Area	RT
1	Ethanol	632	1.064
2	n-Propanol	1282	1.825

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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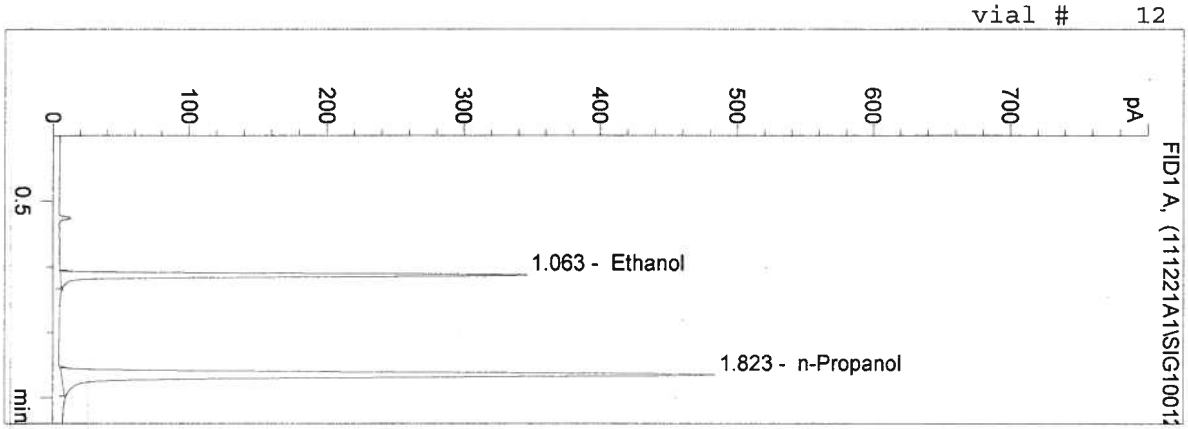
Instrument 3
DB-ALC2

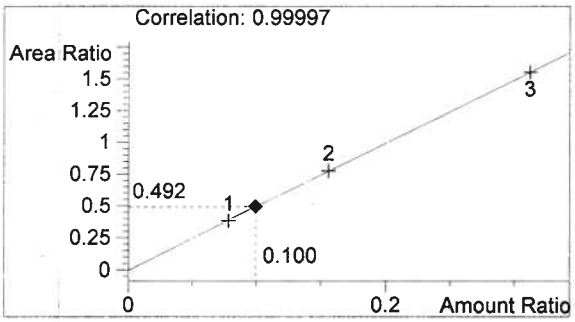
11055 #3
asa louis

vial # 12

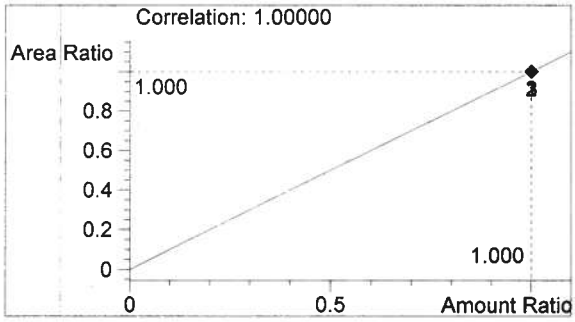


#	Compound	Area	RT
1	Ethanol	648	1.063
2	n-Propanol	1317	1.823

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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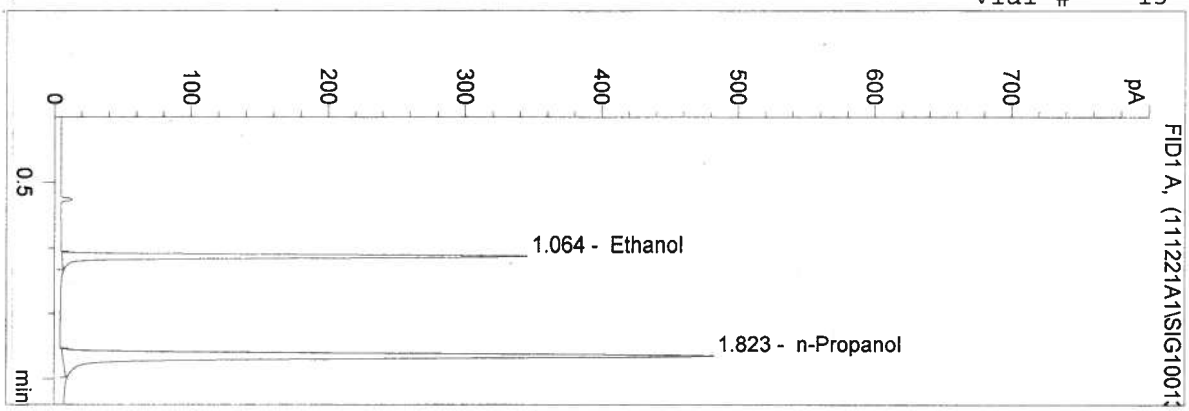
Instrument 3
DB-ALC2

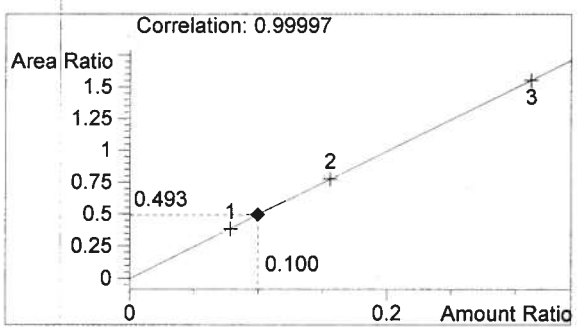
11055 #4
asa louis

vial # 13

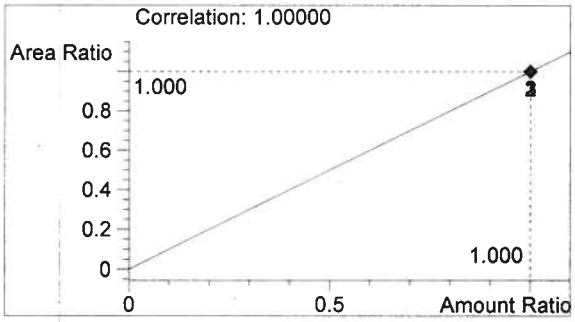


#	Compound	Area	RT
1	Ethanol	648	1.064
2	n-Propanol	1315	1.823

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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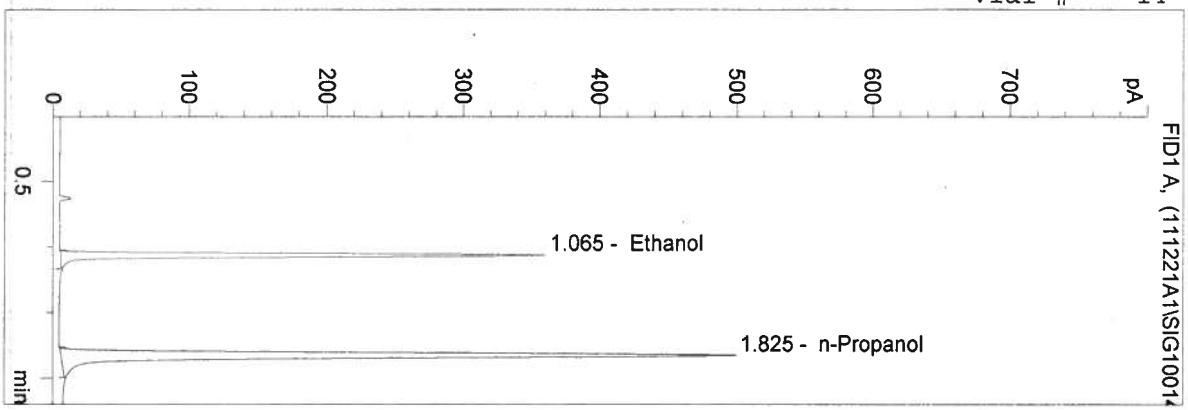
Instrument 3
DB-ALC2

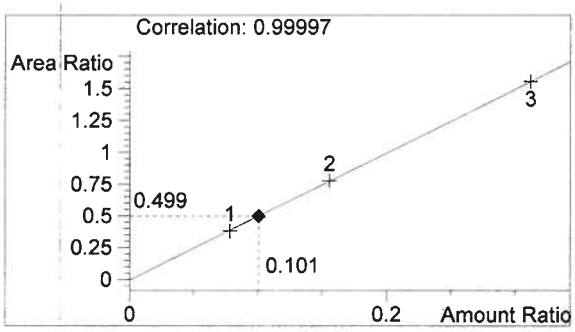
11055 #5
asa louis

vial # 14

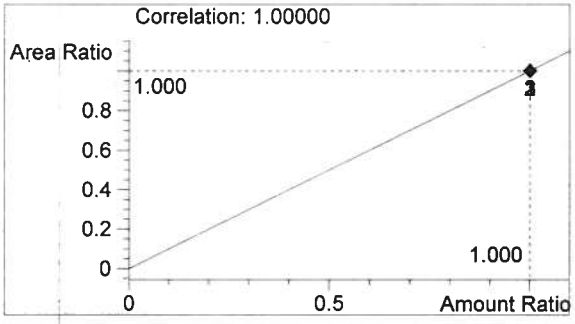


#	Compound	Area	RT
1	Ethanol	685	1.065
2	n-Propanol	1374	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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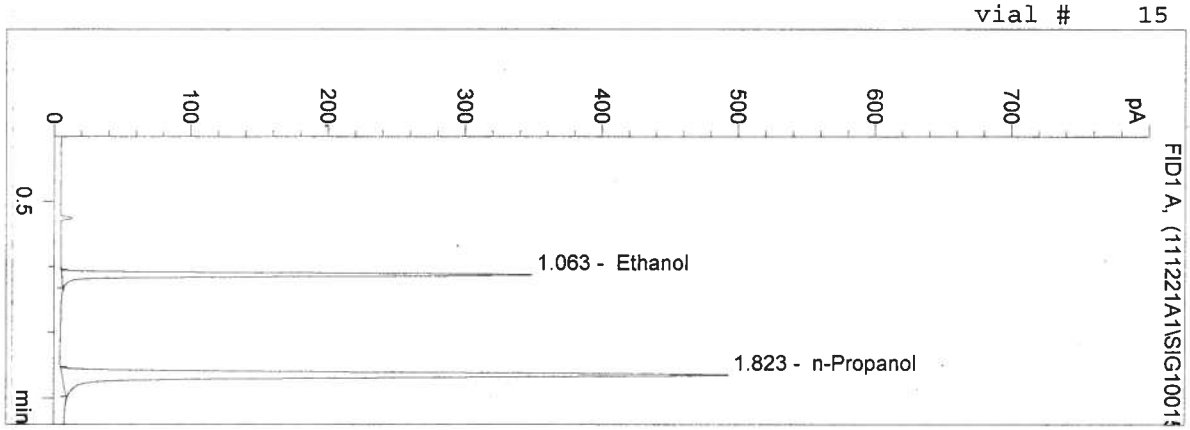
Instrument 3
DB-ALC2

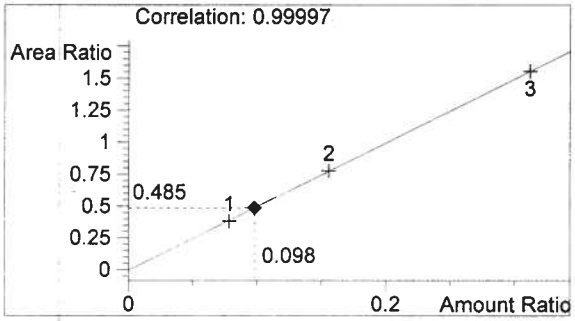
0.10 ctrl al
asa louis

vial # 15

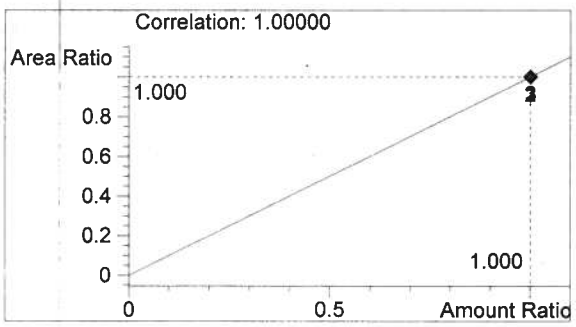


#	Compound	Area	RT
1	Ethanol	654	1.063
2	n-Propanol	1346	1.823

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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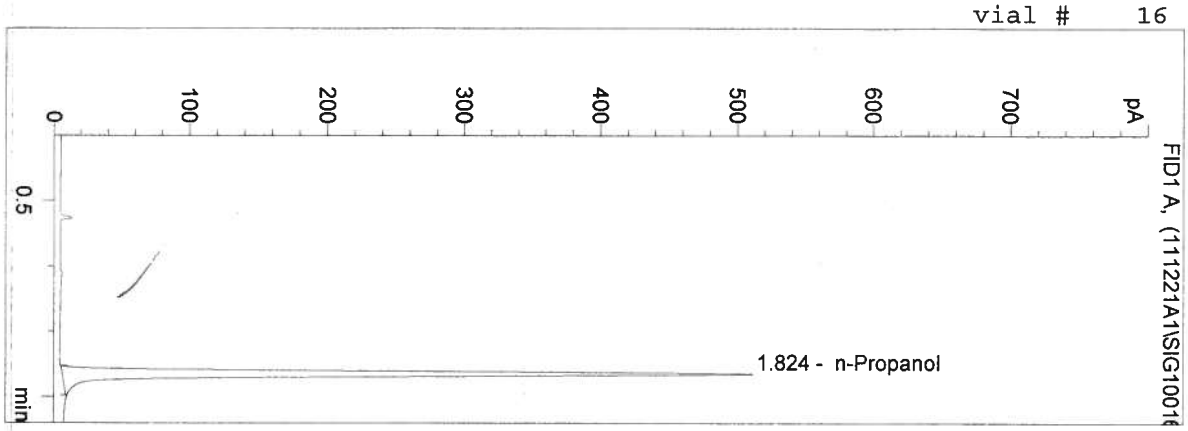
Instrument 3
DB-ALC2

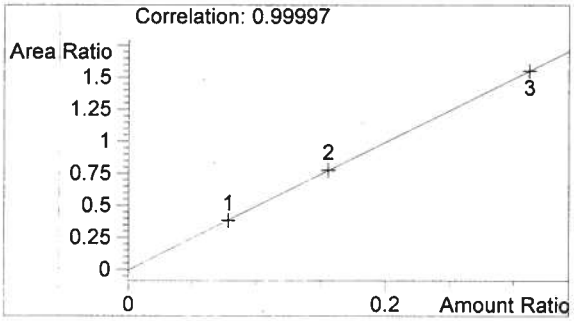
neg control - al
asa louis

vial # 16

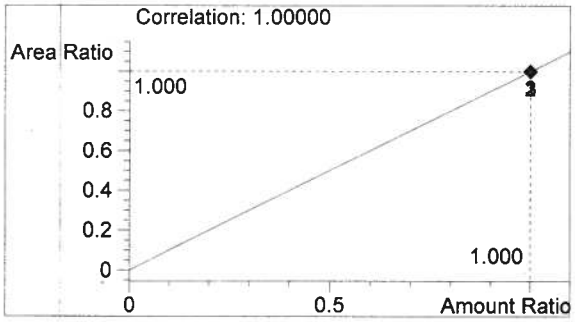


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1399	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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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:	111222CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot# E1111-01 - exp 2/10/2012
Cal 2- Lot# E1111-02 - exp 2/10/2012
Cal 3- Lot# E1111-03 - exp 2/10/2012

0.04 Control - Lot # A075264 - exp 10/2014
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# E1111-01
3	Vial 3	Lot# E1111-02
4	Vial 4	Lot# E1111-03
5	Vial 5	
6	Vial 6	0.04 control lot# a075264 exp 10/2014
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	

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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 11055 #1	SIMALC3	1	Sample		
11	Vial 11	ESS 11055 #2	SIMALC3	1	Sample		
12	Vial 12	ESS 11055 #3	SIMALC3	1	Sample		
13	Vial 13	ESS 11055 #4	SIMALC3	1	Sample		
14	Vial 14	ESS 11055 #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!

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Calibration Table

Calib. Data Modified : Thursday, December 22, 2011 3:27:49 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	7.86300e-2	497.87650	1.57931e-4	1		Ethanol
		2	1.55890e-1	1008.71185	1.54544e-4			
		3	3.12180e-1	1999.31165	1.56144e-4			
1.823	1	1	1.00000	1304.20447	7.66751e-4	I1		n-Propanol
		2	1.00000	1323.12622	7.55786e-4			
		3	1.00000	1309.21545	7.63816e-4			

Peak Sum Table

No Entries in table

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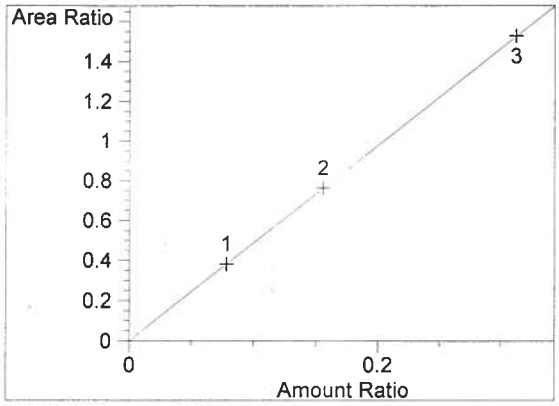
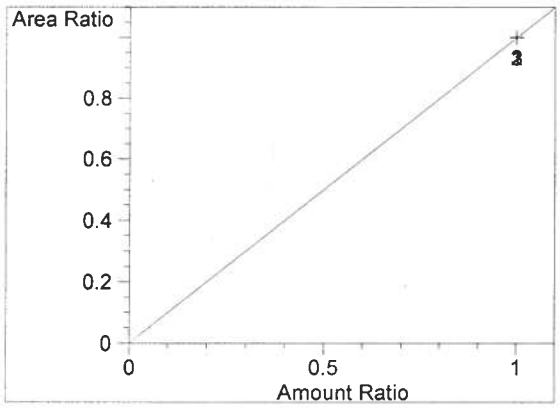
Calibration Curves

==========



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00166
Formula: y = mx + b
m: 4.89483
b: -1.19484e-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

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WASHINGTON STATE TOXICOLOGY LABORATORY

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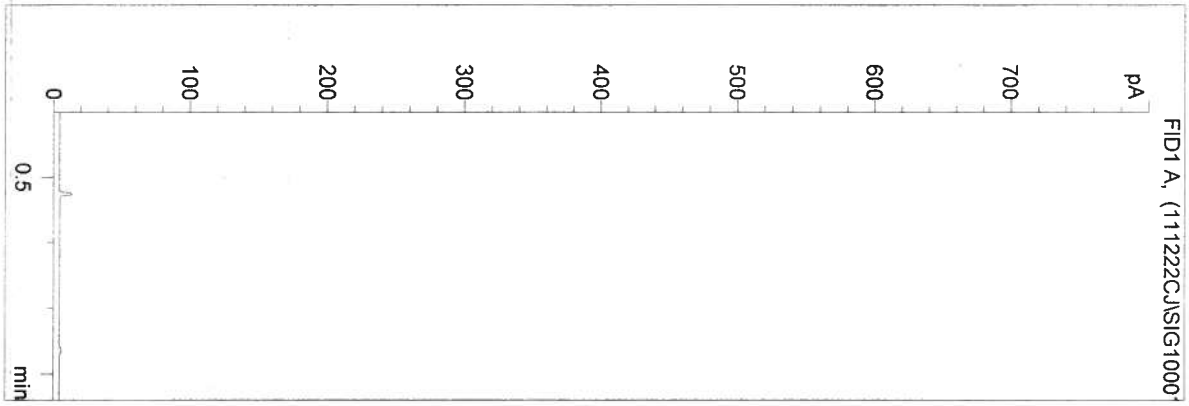
Instrument 3
DB-ALC2

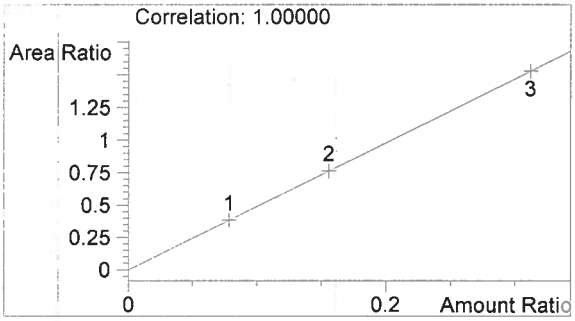
BLANK-CJ
Chris Johnston

vial # 1

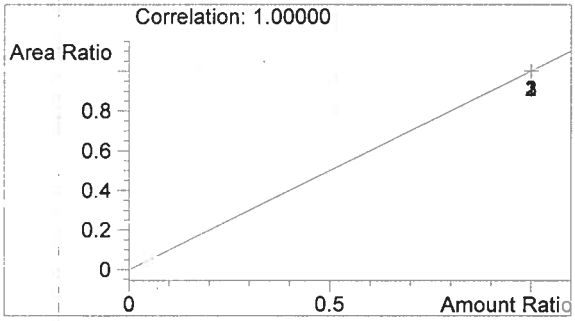


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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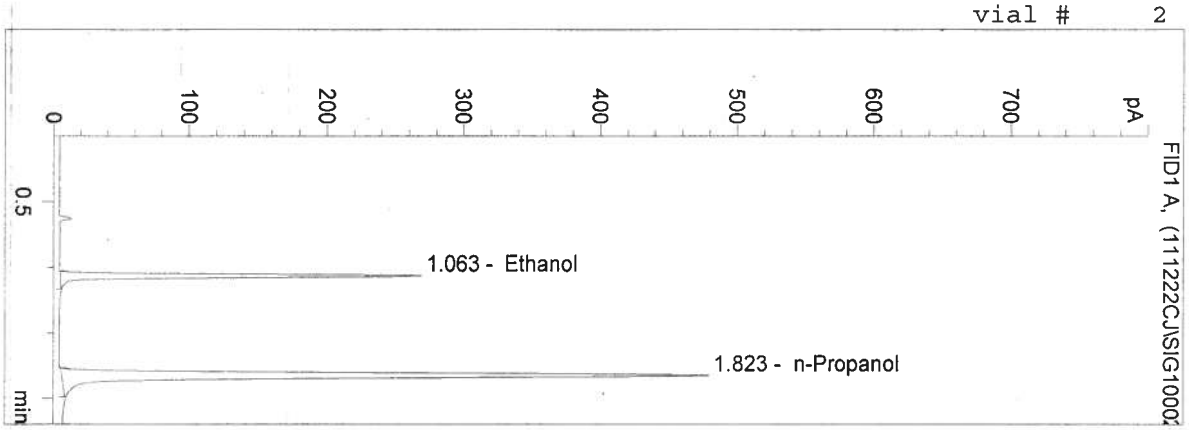
12/22/2011 3:19:22 PM
Instrument 3
DB-ALC2

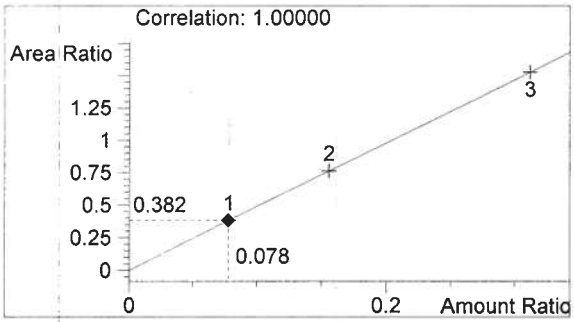
0.079 CAL 1
Chris Johnston

vial # 2

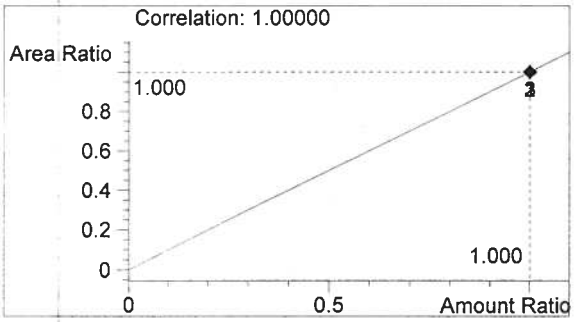


#	Compound	Area	RT
1	Ethanol	498	1.063
2	n-Propanol	1304	1.823

Totals:



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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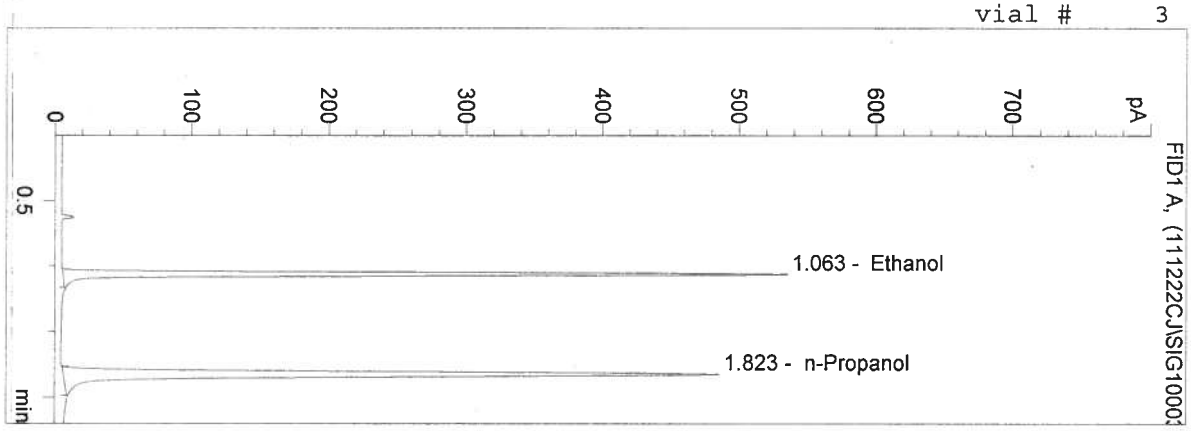
12/22/2011 3:22:29 PM
Instrument 3
DB-ALC2

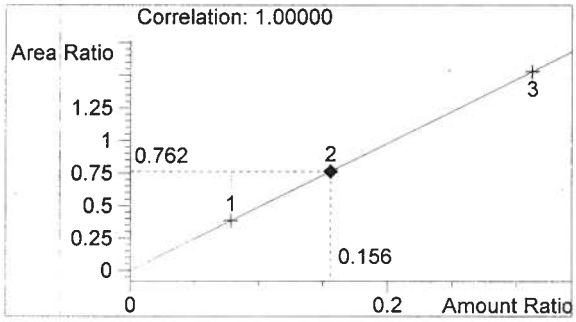
0.158 CAL 2
Chris Johnston

vial # 3

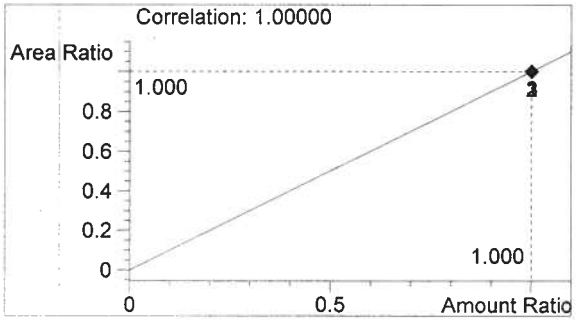


#	Compound	Area	RT
1	Ethanol	1009	1.063
2	n-Propanol	1323	1.823

Totals:



Ethanol 0.156 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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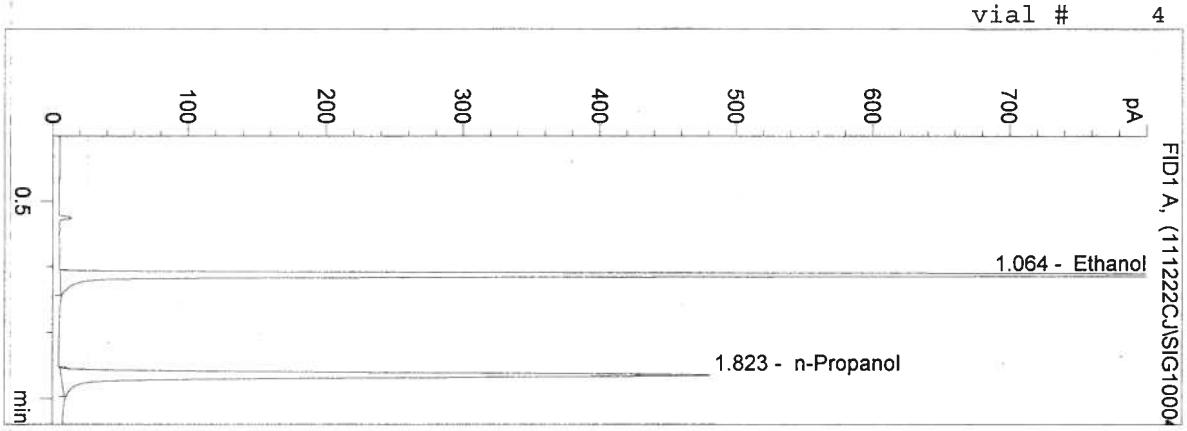
12/22/2011 3:25:37 PM
Instrument 3
DB-ALC2

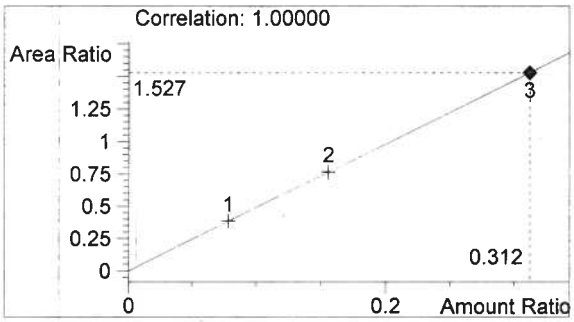
0.316 CAL 3
Chris Johnston

vial # 4

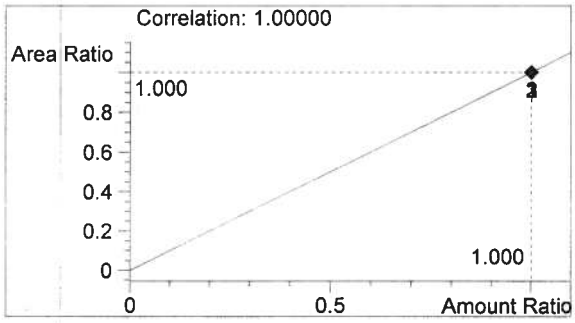


#	Compound	Area	RT
1	Ethanol	1999	1.064
2	n-Propanol	1309	1.823

Totals:



Ethanol 0.312 g/100ml



n-Propanol 1.000 g/100ml

CJ

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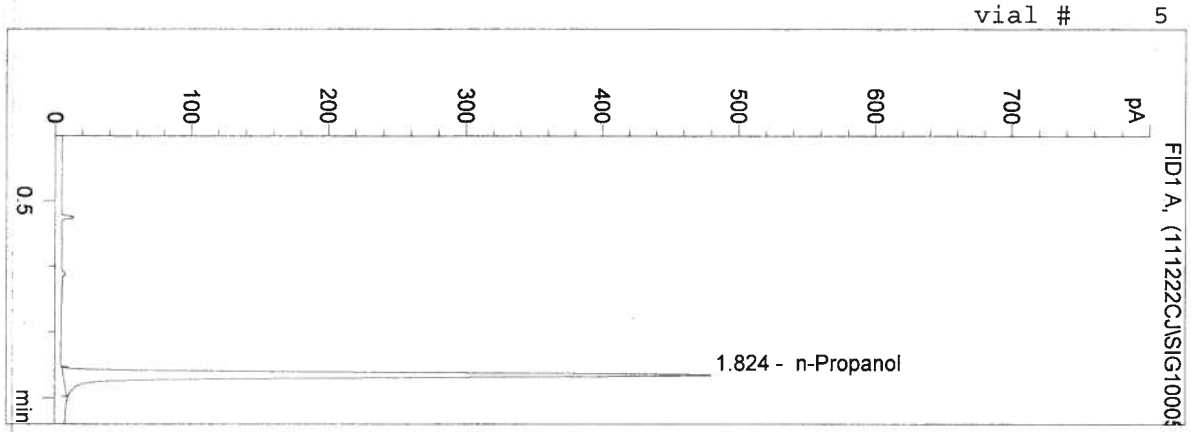
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/22/2011 3:28:44 PM
Instrument 3
DB-ALC2

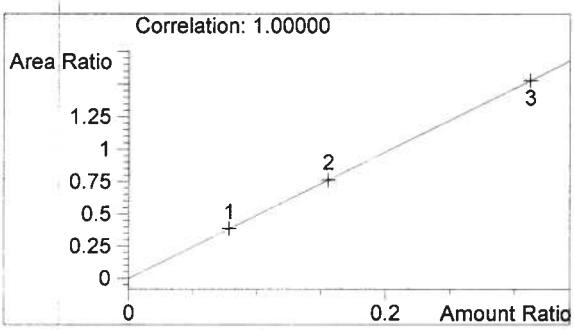
NEG CTRL-CJ
Chris Johnston

vial # 5

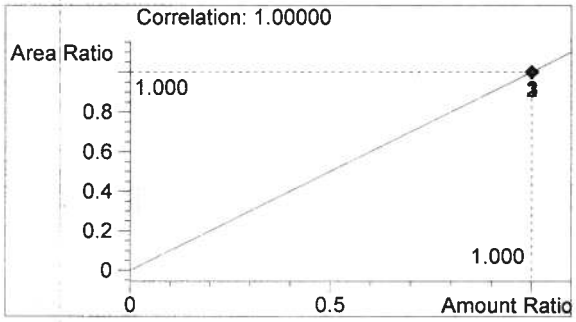


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1312	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

CJ

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WASHINGTON STATE TOXICOLOGY LABORATORY

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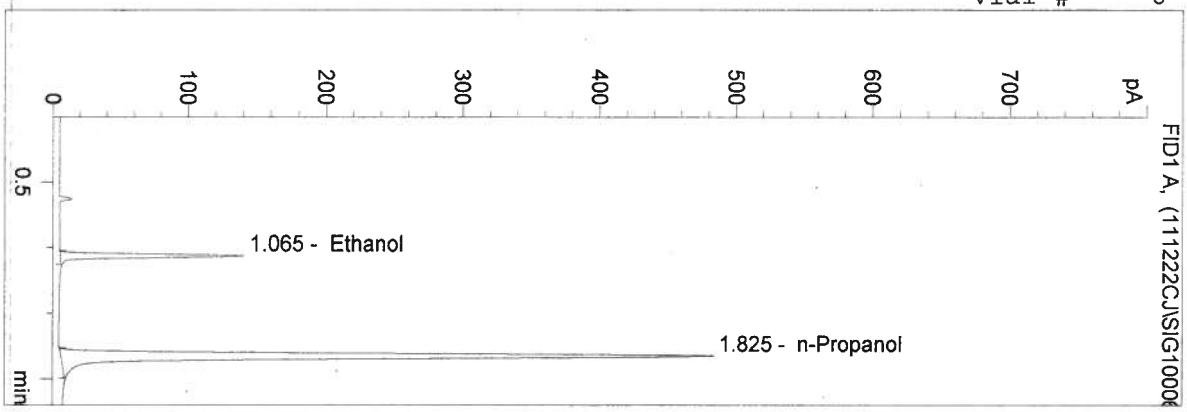
12/22/2011 3:31:51 PM
Instrument 3
DB-ALC2

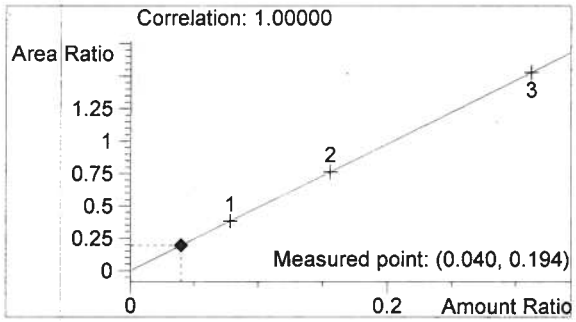
0.04 CTRL-CJ
Chris Johnston

vial # 6

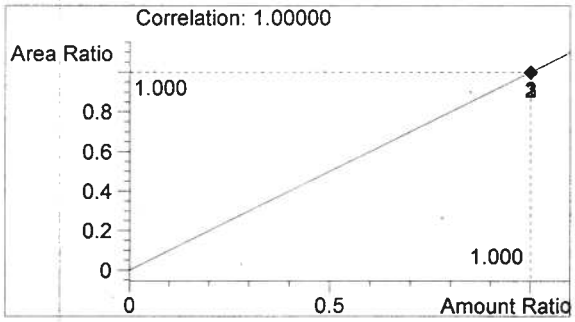


#	Compound	Area	RT
1	Ethanol	257	1.065
2	n-Propanol	1325	1.825

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

11055

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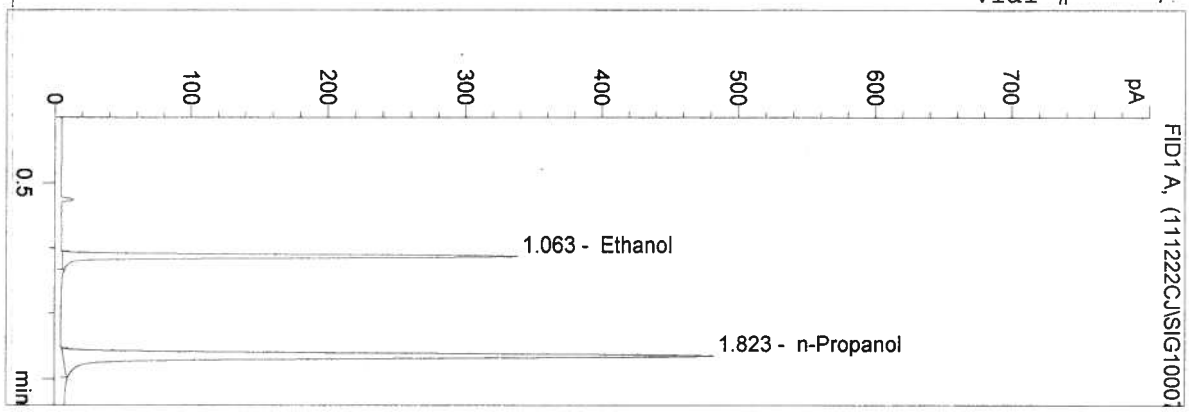
C:\HPCHEM\2\METHODS\SIMALC3.M
12/22/2011 3:34:58 PM
Instrument 3
DB-ALC2

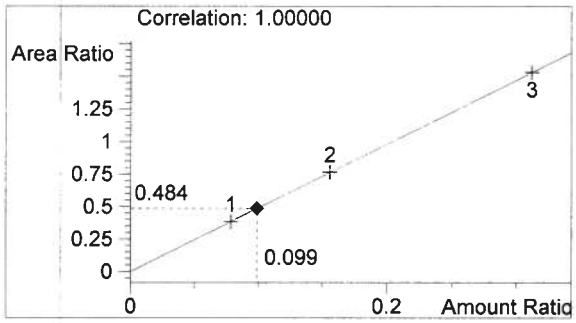
0.10 CTRL-CJ
Chris Johnston

vial # 7

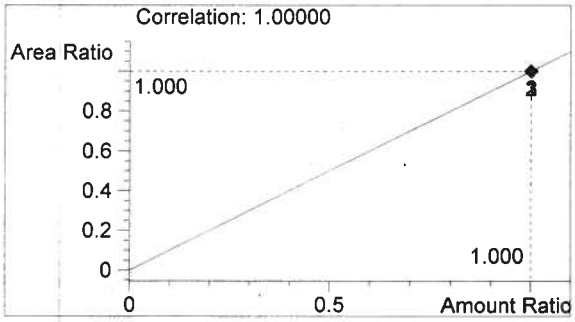


#	Compound	Area	RT
1	Ethanol	638	1.063
2	n-Propanol	1320	1.823

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

CJ

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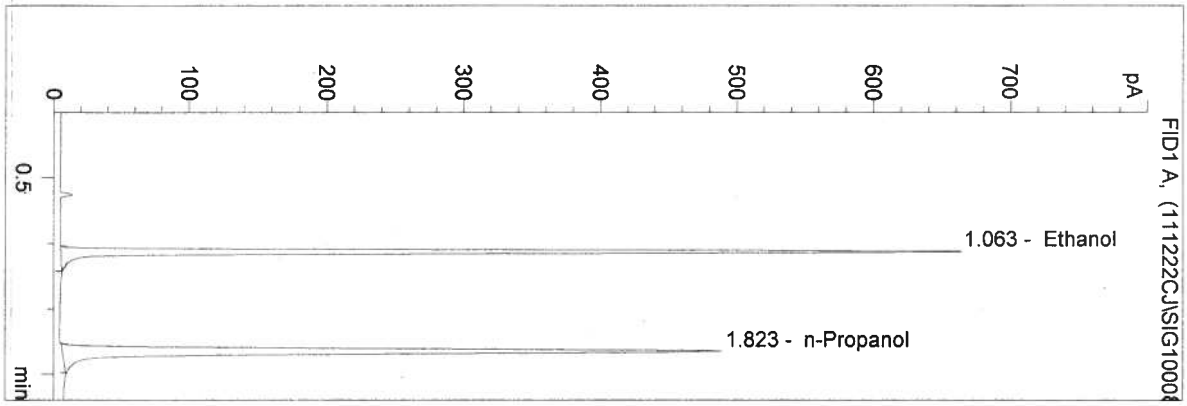
12/22/2011 3:38:06 PM
Instrument 3
DB-ALC2

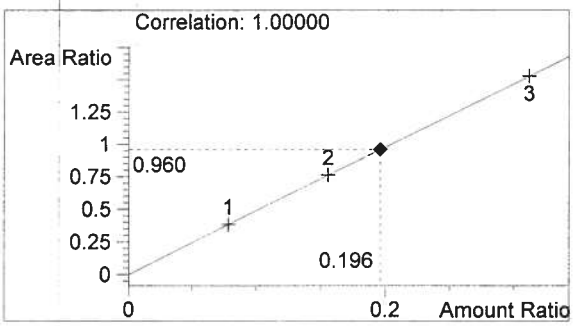
0.20 CTRL-CJ
Chris Johnston

vial # 8

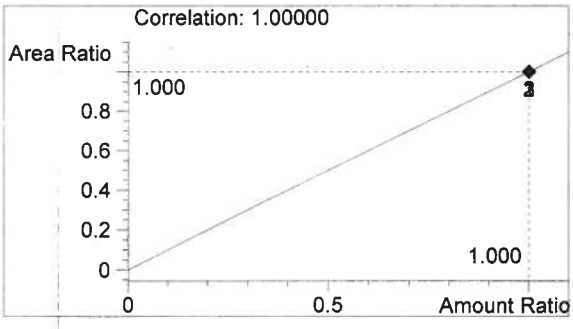


#	Compound	Area	RT
1	Ethanol	1282	1.063
2	n-Propanol	1335	1.823

Totals:



Ethanol 0.196 g/100ml



n-Propanol 1.000 g/100ml

CJ

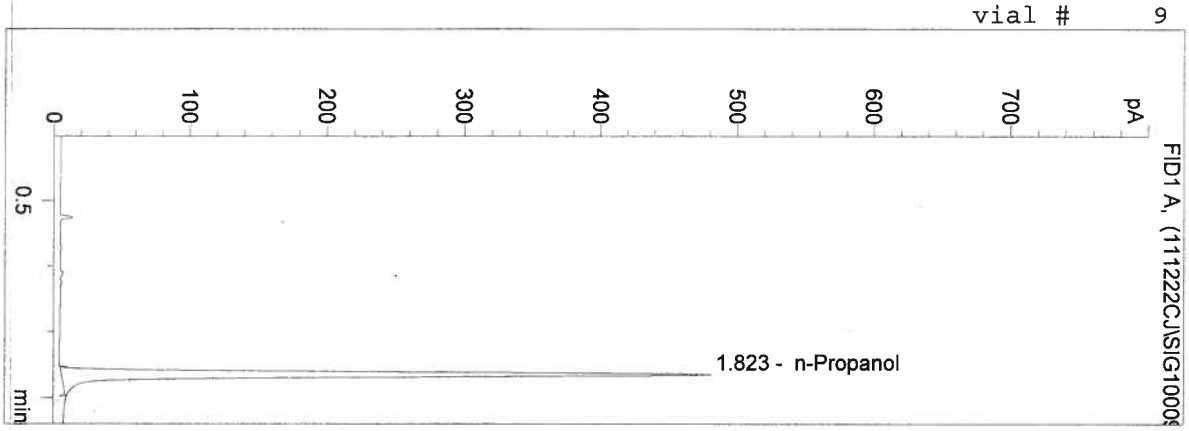
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/22/2011 3:41:13 PM
Instrument 3
DB-ALC2

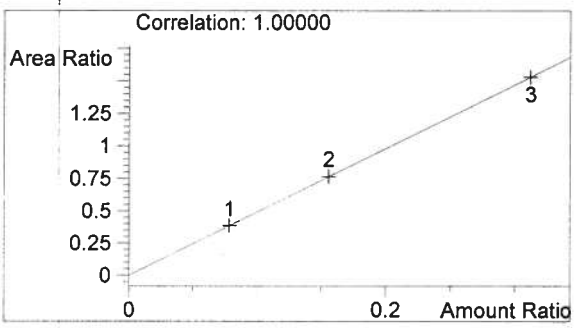
NEG CTRL-CJ
Chris Johnston

vial # 9

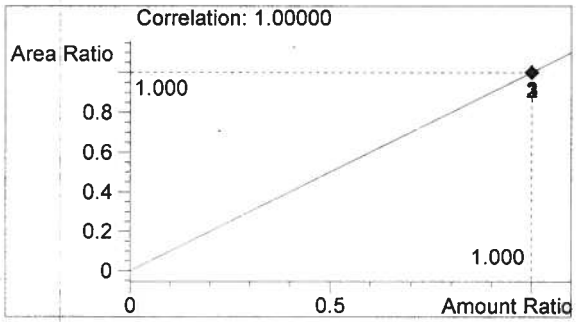


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1310	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

CJ

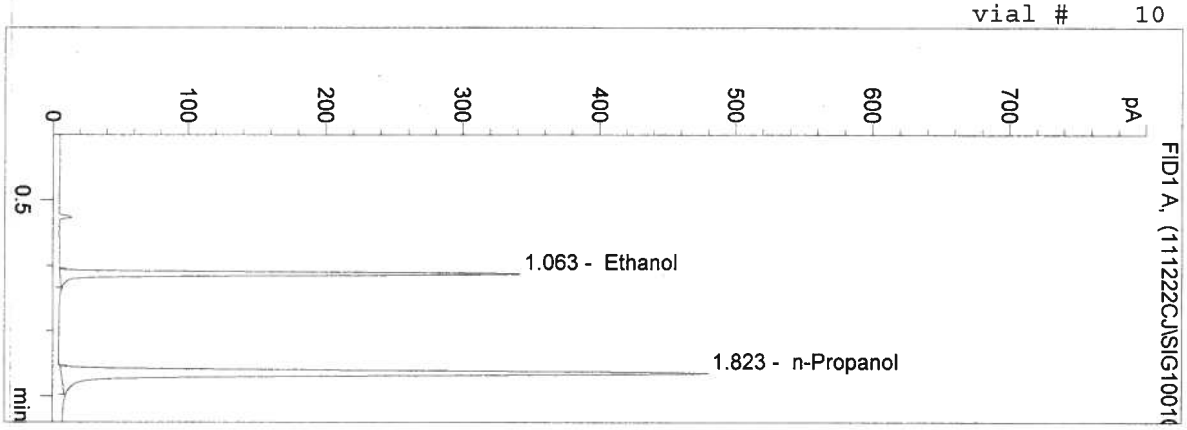
11055

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/22/2011 3:44:20 PM
Instrument 3
DB-ALC2

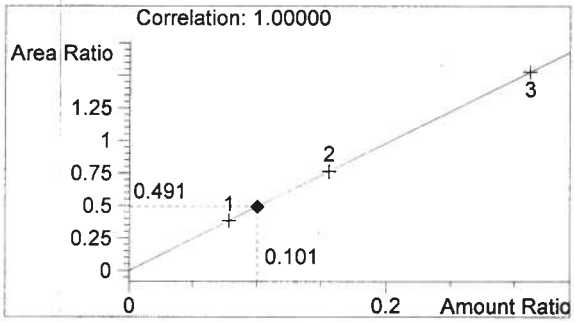
ESS 11055 #1
Chris Johnston

vial # 10

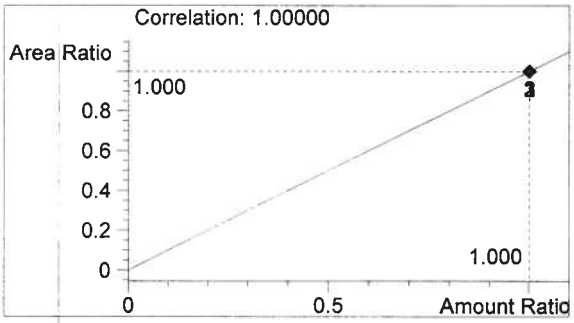


#	Compound	Area	RT
1	Ethanol	641	1.063
2	n-Propanol	1306	1.823

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

11055

W

WASHINGTON STATE TOXICOLOGY LABORATORY

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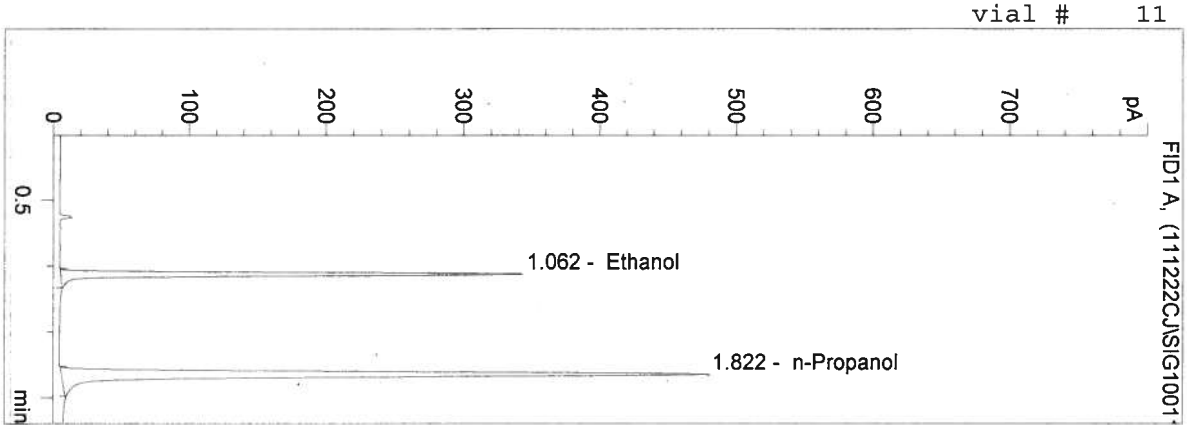
12/22/2011 3:47:27 PM
Instrument 3
DB-ALC2

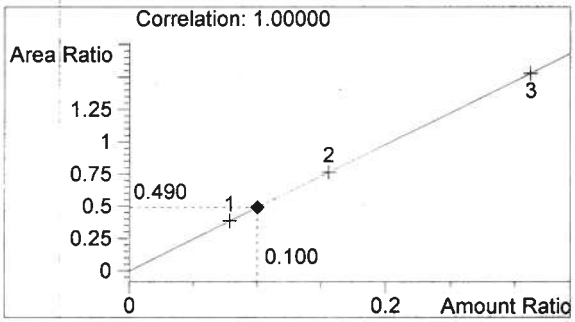
ESS 11055 #2
Chris Johnston

vial # 11

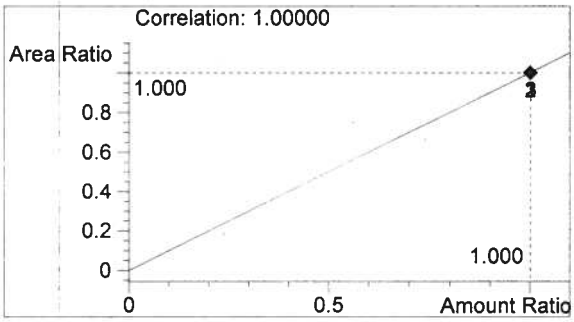


#	Compound	Area	RT
1	Ethanol	642	1.062
2	n-Propanol	1310	1.822

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

C

WASHINGTON STATE TOXICOLOGY LABORATORY

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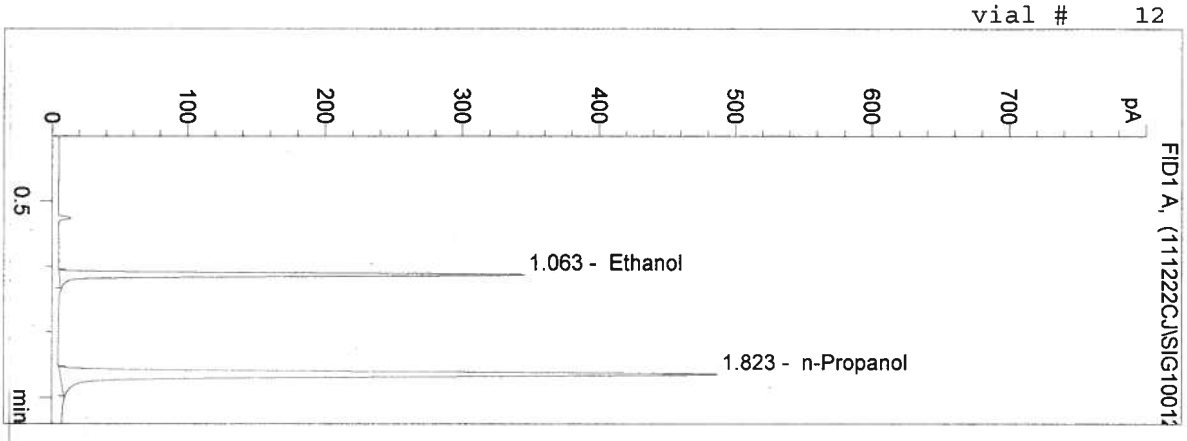
12/22/2011 3:50:35 PM
Instrument 3
DB-ALC2

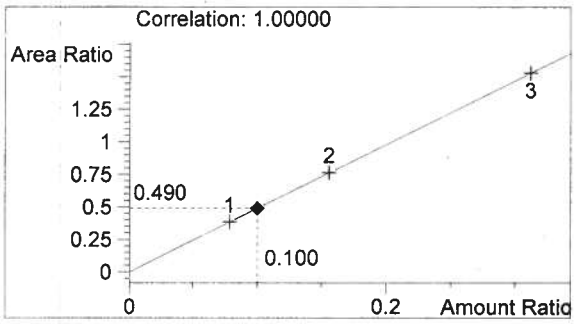
ESS 11055 #3
Chris Johnston

vial # 12

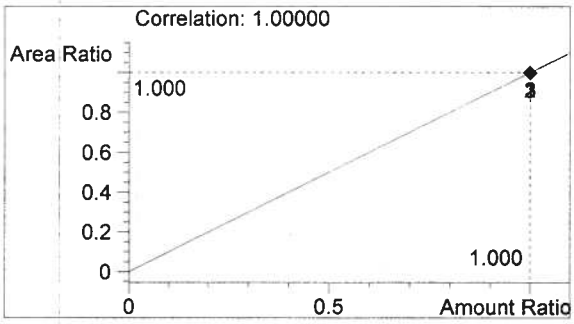


#	Compound	Area	RT
1	Ethanol	654	1.063
2	n-Propanol	1334	1.823

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

a

WASHINGTON STATE TOXICOLOGY LABORATORY

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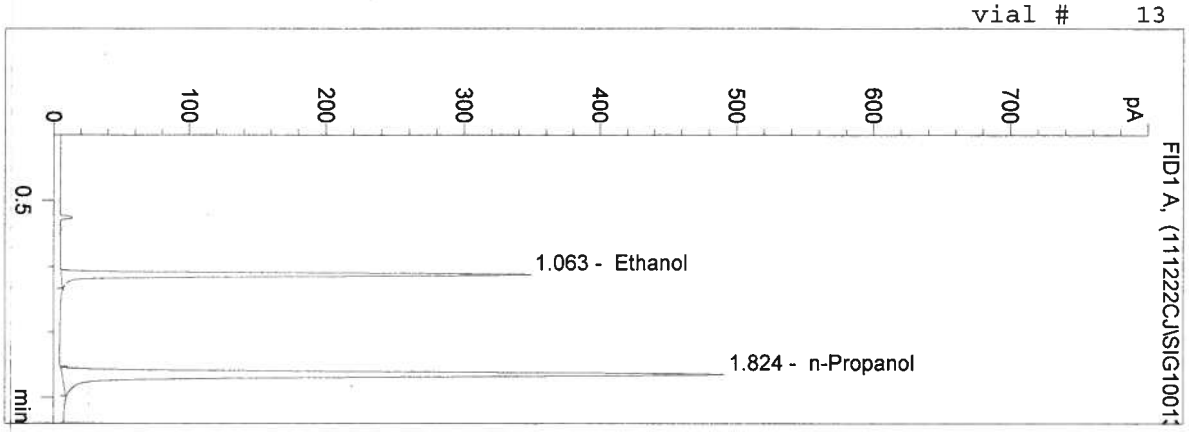
12/22/2011 3:53:42 PM
Instrument 3
DB-ALC2

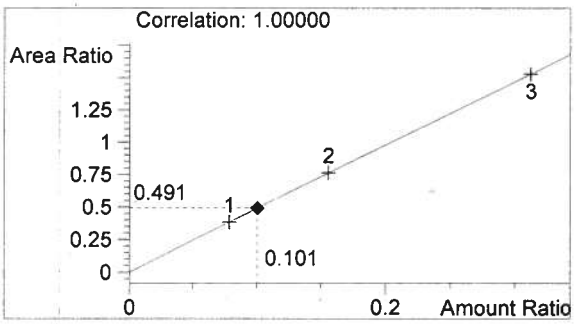
ESS 11055 #4
Chris Johnston

vial # 13

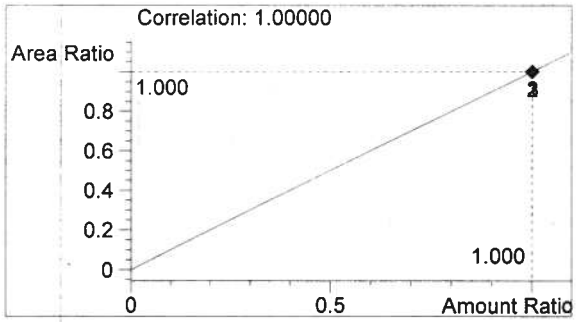


#	Compound	Area	RT
1	Ethanol	659	1.063
2	n-Propanol	1341	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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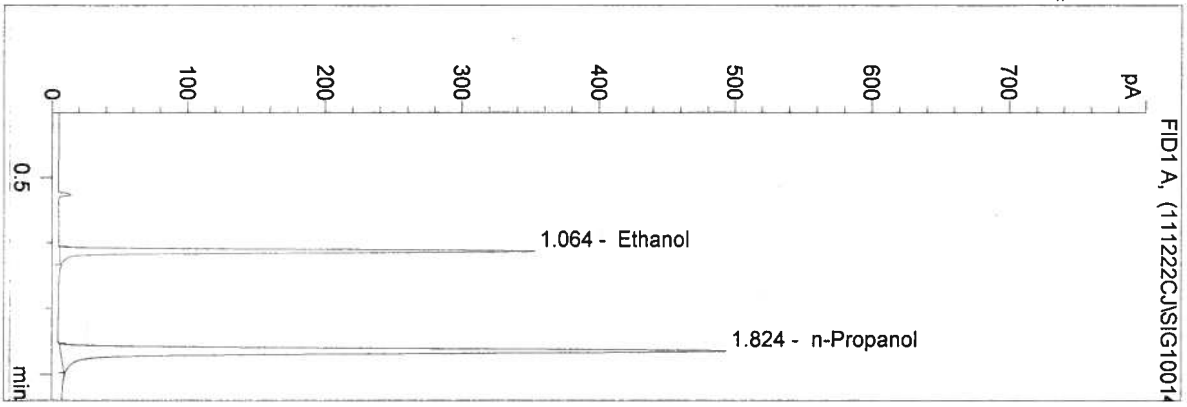
12/22/2011 3:56:49 PM
Instrument 3
DB-ALC2

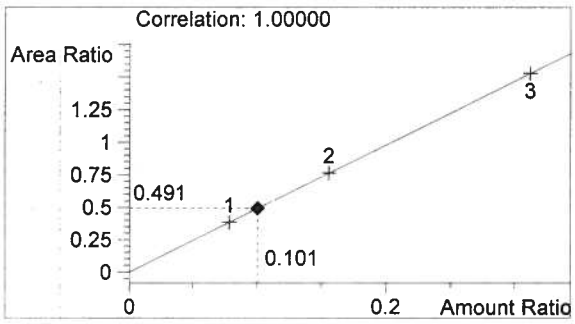
ESS 11055 #5
Chris Johnston

vial # 14

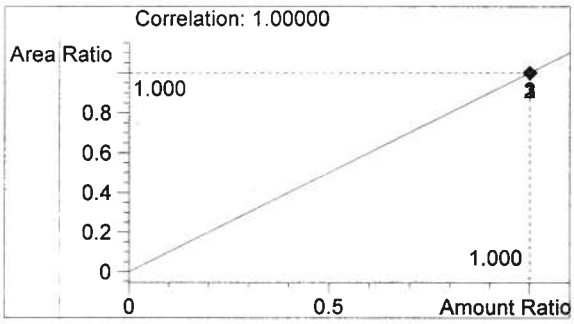


#	Compound	Area	RT
1	Ethanol	661	1.064
2	n-Propanol	1347	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

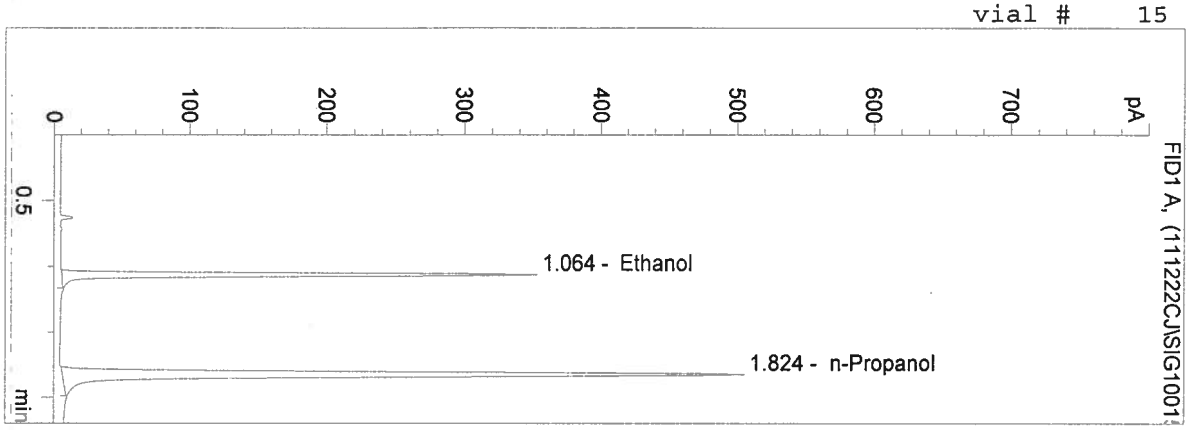
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/22/2011 3:59:56 PM
Instrument 3
DB-ALC2

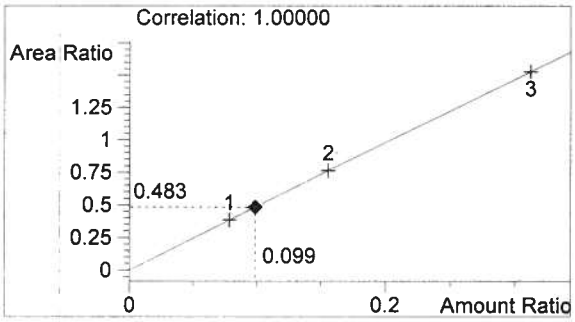
0.10 CTRL-CJ
Chris Johnston

vial # 15

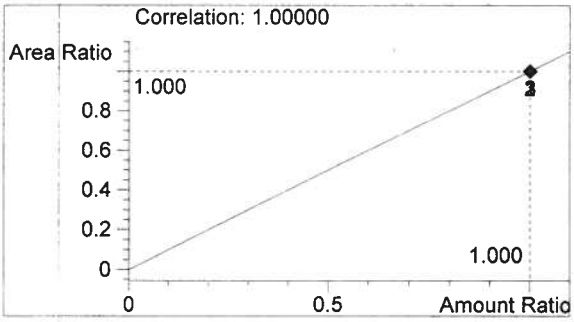


#	Compound	Area	RT
1	Ethanol	666	1.064
2	n-Propanol	1380	1.824

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

11055

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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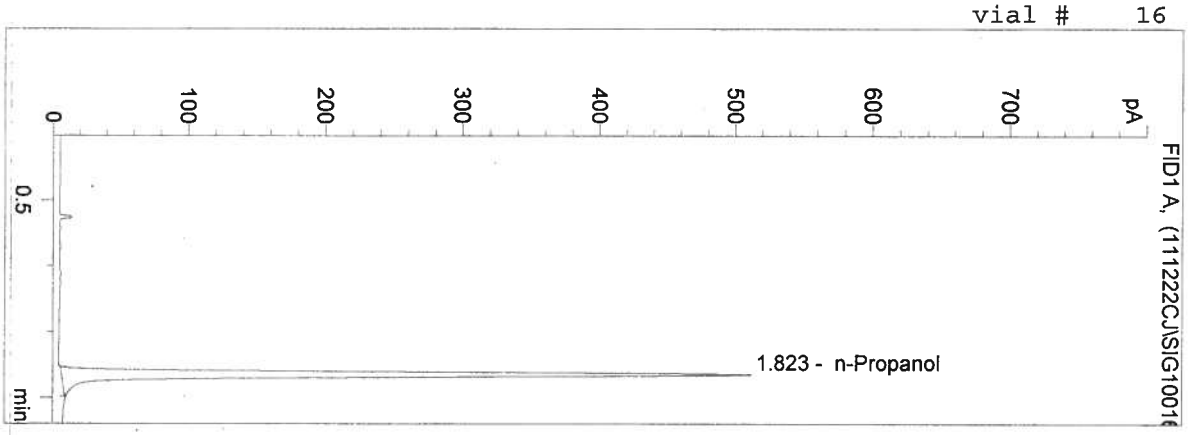
12/22/2011 4:03:04 PM
Instrument 3
DB-ALC2

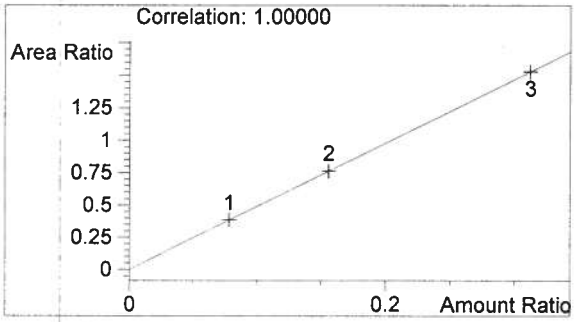
NEG CTRL-CJ
Chris Johnston

vial # 16

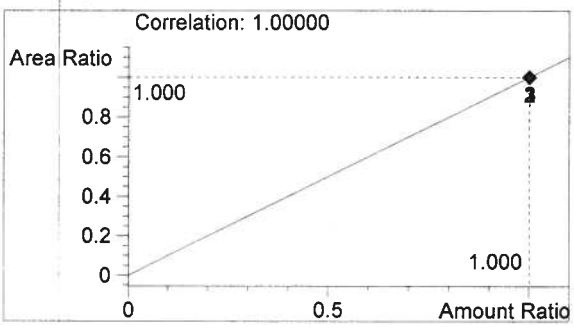


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1396	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11055

CJ

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:	111228BO
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
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:E1111-01
3	Vial 3	Lot:E1111-02
4	Vial 4	Lot:E1111-03
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	

11055

BEW

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	11055 #1	SIMALC3	1	Sample		
11	Vial 11	11055 #2	SIMALC3	1	Sample		
12	Vial 12	11055 #3	SIMALC3	1	Sample		
13	Vial 13	11055 #4	SIMALC3	1	Sample		
14	Vial 14	11055 #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!

11055

BWD

Calibration Table

Calib. Data Modified : Wednesday, December 28, 2011 9:03:46 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	7.86300e-2	561.31537	1.40082e-4	1		Ethanol
		2	1.55890e-1	1092.11743	1.42741e-4			
		3	3.12180e-1	2053.54126	1.52020e-4			
1.824	1	1	1.00000	1418.78821	7.04827e-4	I1		n-Propanol
		2	1.00000	1394.28320	7.17214e-4			
		3	1.00000	1331.52002	7.51021e-4			

Peak Sum Table

No Entries in table

11055

BED

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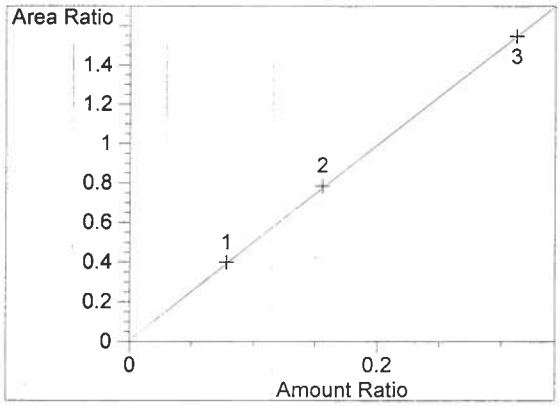
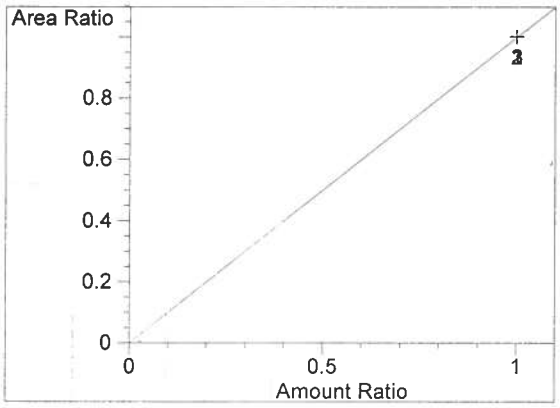
Calibration Curves

==========



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99995
Residual Std. Dev.: 0.00776
Formula: y = mx + b
m: 4.93719
b: 5.50132e-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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11055

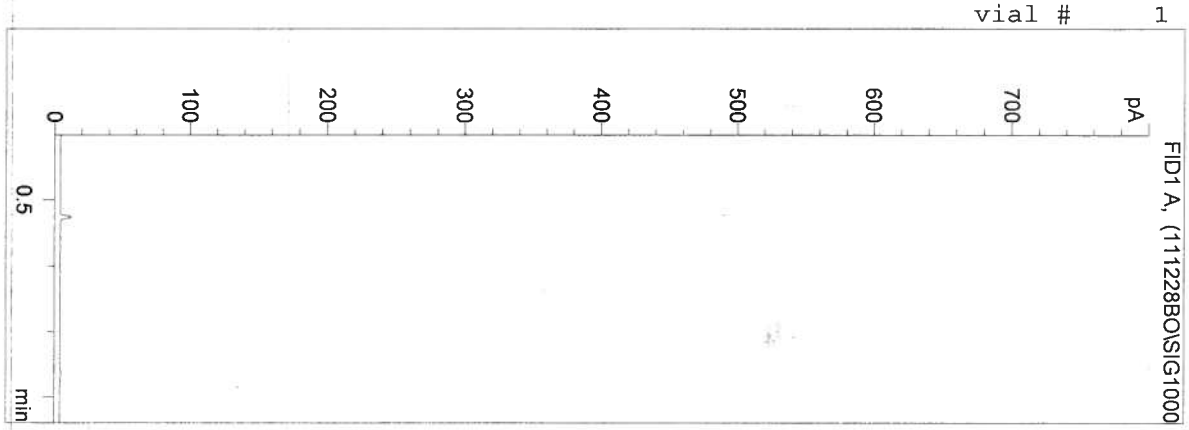
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/28/2011 8:52:12 AM
Instrument 3
DB-ALC2

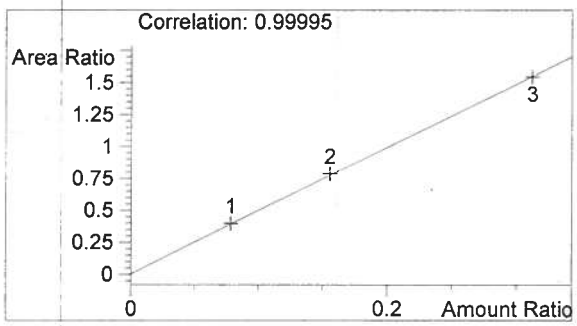
BLANK
Brianne E. O'Reilly

vial # 1

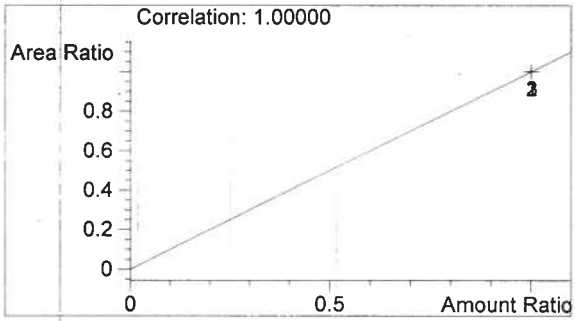


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

11055

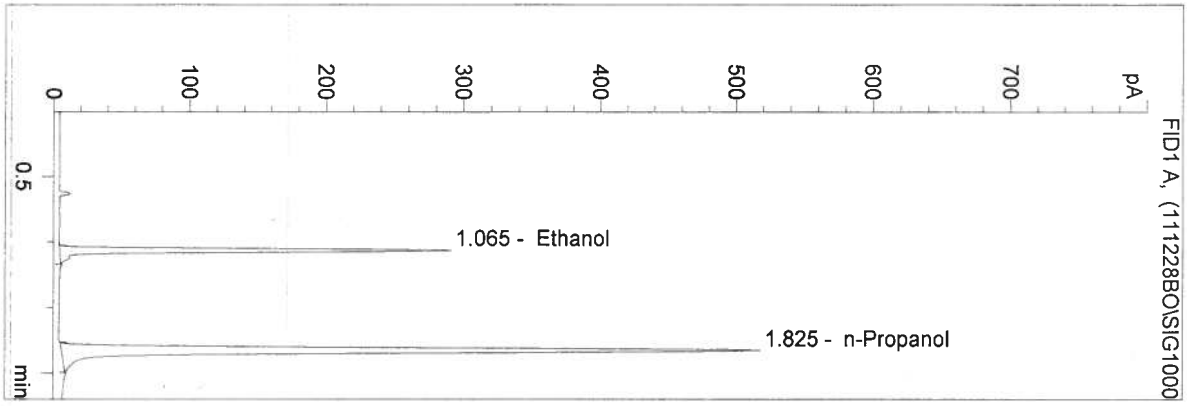
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/28/2011 8:55:19 AM
Instrument 3
DB-ALC2

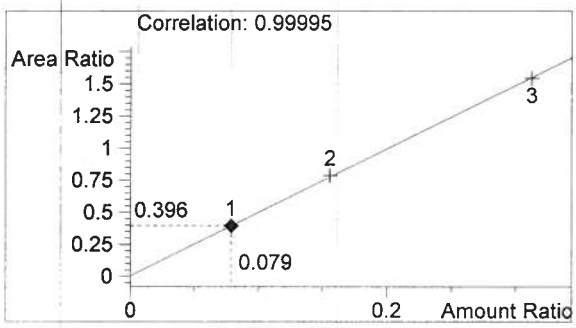
0.079 CAL 1
Brianne E. O'Reilly

vial # 2

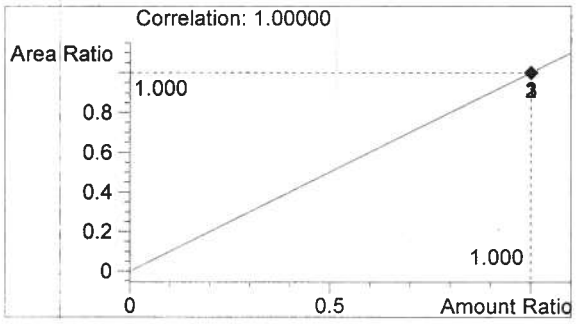


#	Compound	Area	RT
1	Ethanol	561	1.065
2	n-Propanol	1419	1.825

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

11055

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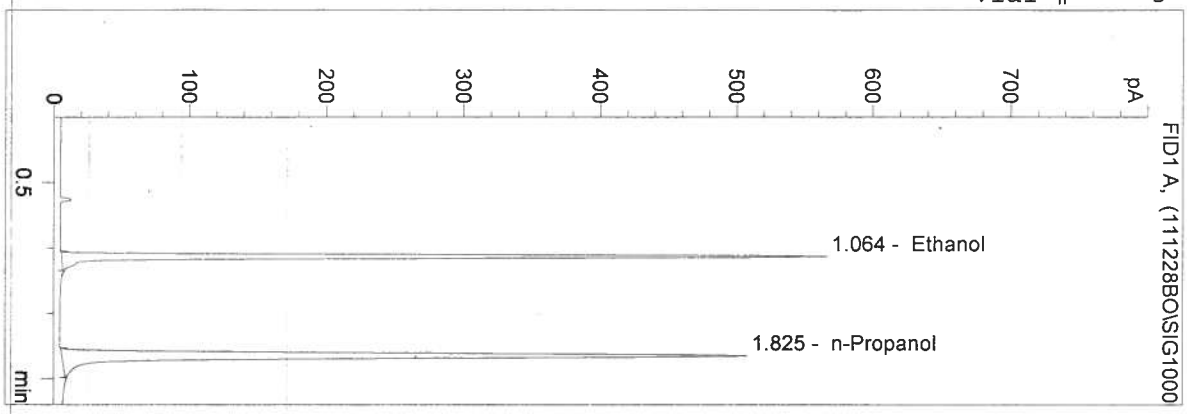
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/28/2011 8:58:27 AM
Instrument 3
DB-ALC2

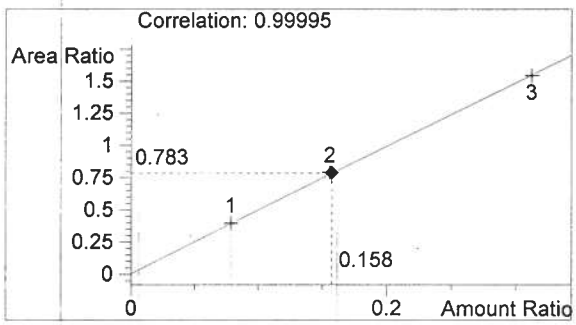
0.158 CAL 2
Brianne E. O'Reilly

vial # 3

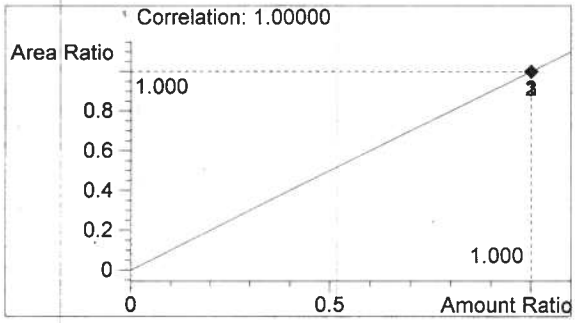


#	Compound	Area	RT
1	Ethanol	1092	1.064
2	n-Propanol	1394	1.825

Totals:



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

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~~1055~~
NB
1-3-12

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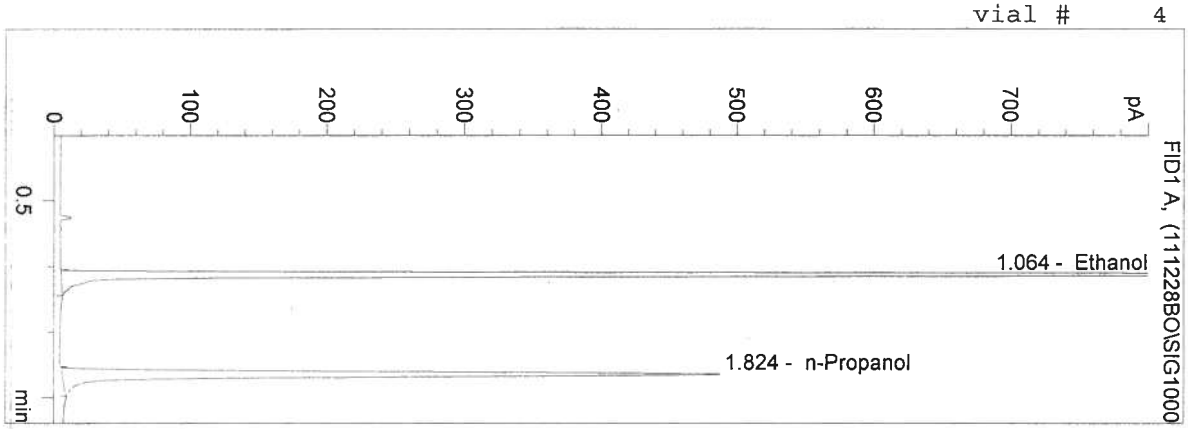
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/28/2011 9:01:34 AM
Instrument 3
DB-ALC2

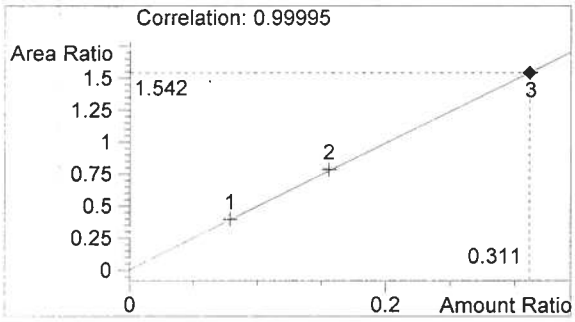
0.316 CAL 3
Brianne E. O'Reilly

vial # 4

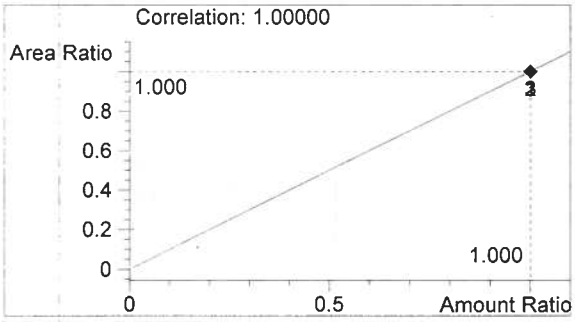


#	Compound	Area	RT
1	Ethanol	2054	1.064
2	n-Propanol	1332	1.824

Totals:



Ethanol 0.311 g/100ml



n-Propanol 1.000 g/100ml

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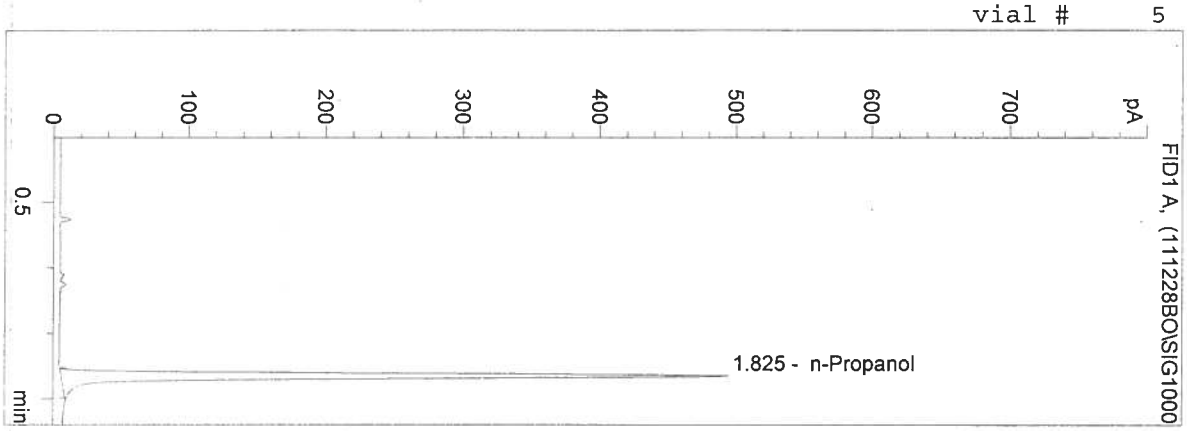
12/28/2011 9:04:41 AM
Instrument 3
DB-ALC2

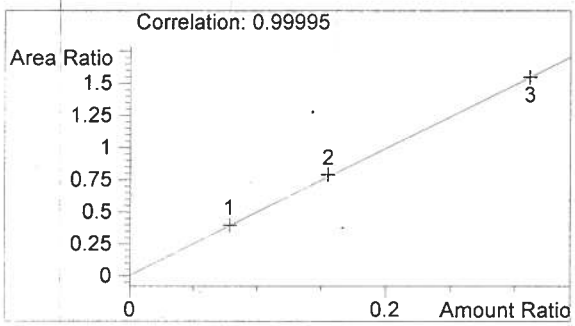
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 5

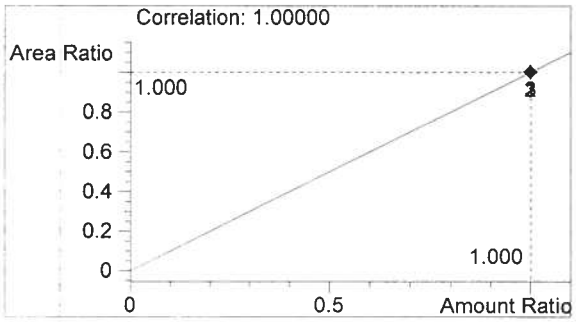


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1357	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11055

BOD

WASHINGTON STATE TOXICOLOGY LABORATORY

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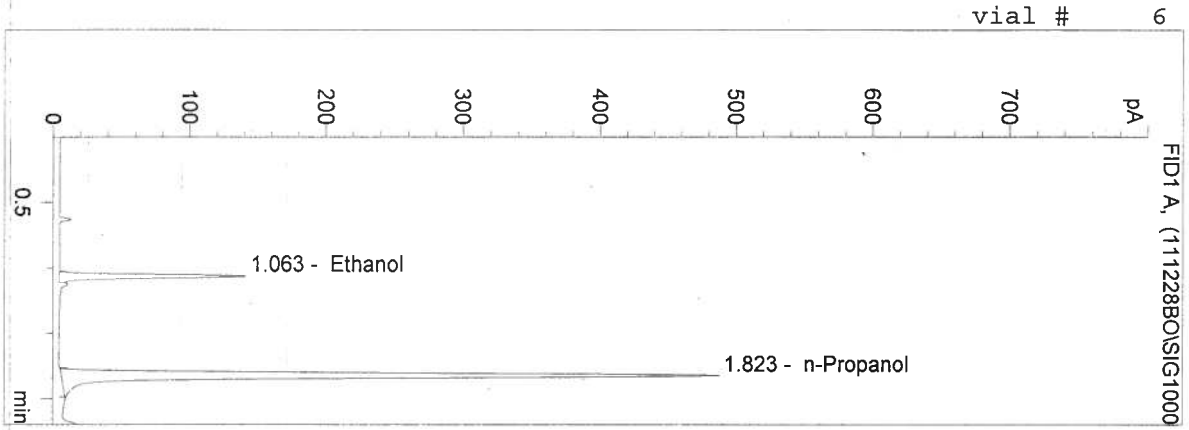
12/28/2011 9:07:49 AM
Instrument 3
DB-ALC2

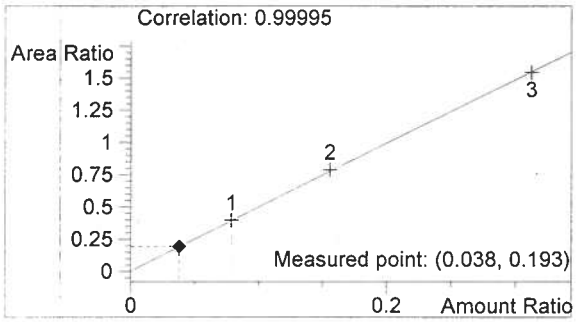
0.04 CONTROL-BO
Brianne E. O'Reilly

vial # 6

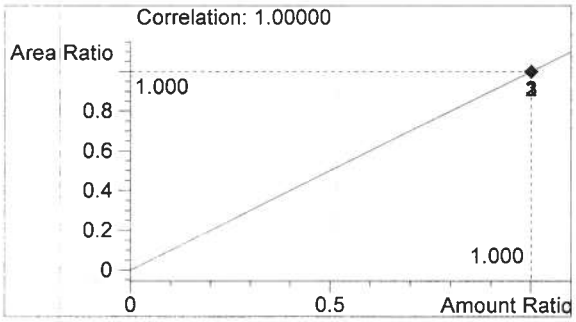


#	Compound	Area	RT
1	Ethanol	257	1.063
2	n-Propanol	1333	1.823

Totals:



Ethanol 0.038 g/100ml



n-Propanol 1.000 g/100ml

11055

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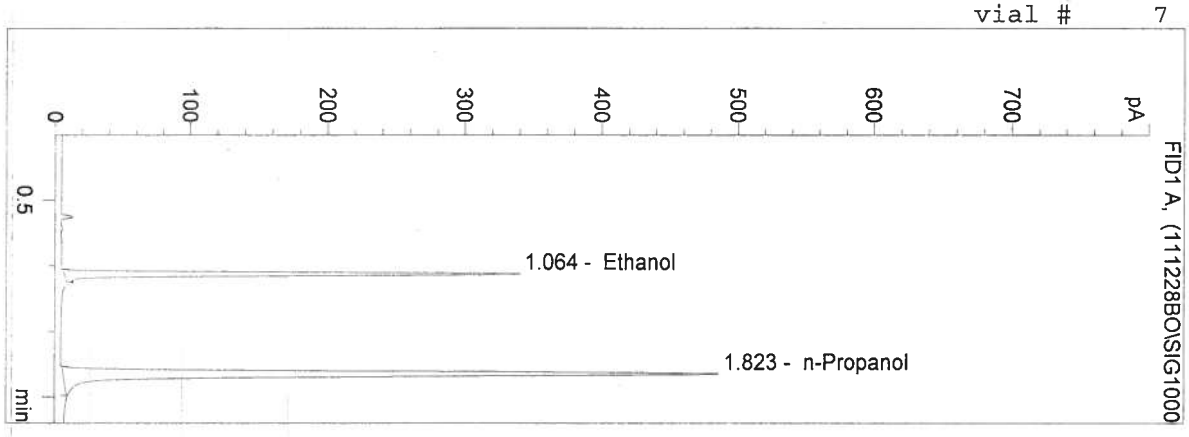
12/28/2011 9:10:56 AM
Instrument 3
DB-ALC2

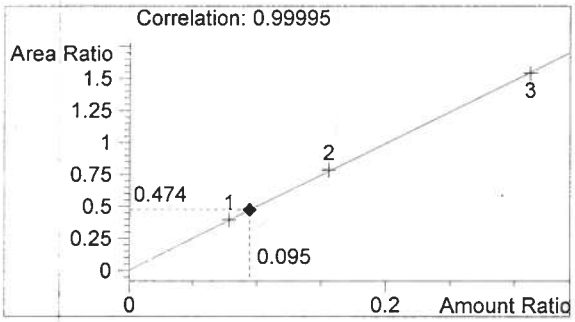
0.10 CONTROL-BO
Brianne E. O'Reilly

vial # 7

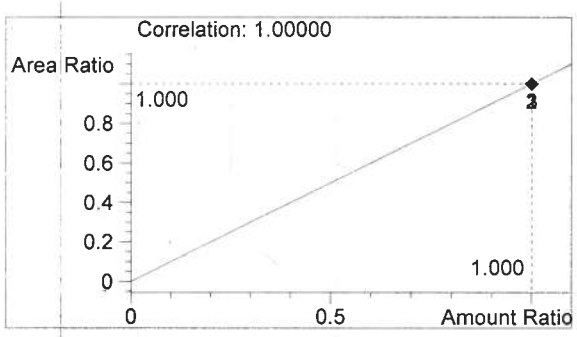


#	Compound	Area	RT
1	Ethanol	629	1.064
2	n-Propanol	1327	1.823

Totals:



Ethanol 0.095 g/100ml



n-Propanol 1.000 g/100ml

11055

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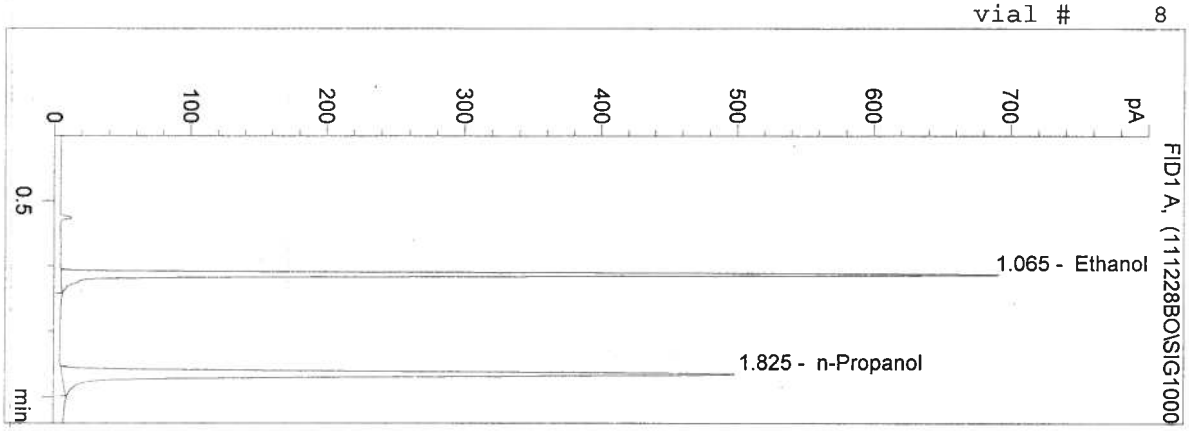
12/28/2011 9:14:03 AM
Instrument 3
DB-ALC2

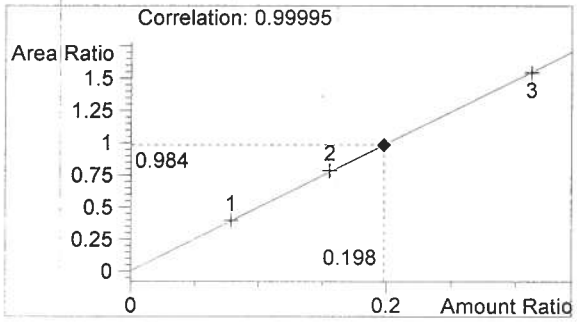
0.20 CONTROL-BO
Brianne E. O'Reilly

vial # 8

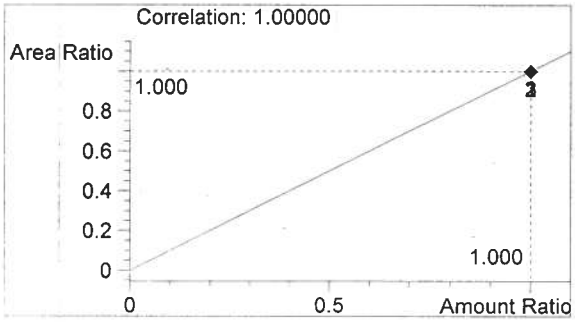


#	Compound	Area	RT
1	Ethanol	1345	1.065
2	n-Propanol	1366	1.825

Totals:



Ethanol 0.198 g/100ml



n-Propanol 1.000 g/100ml

11055

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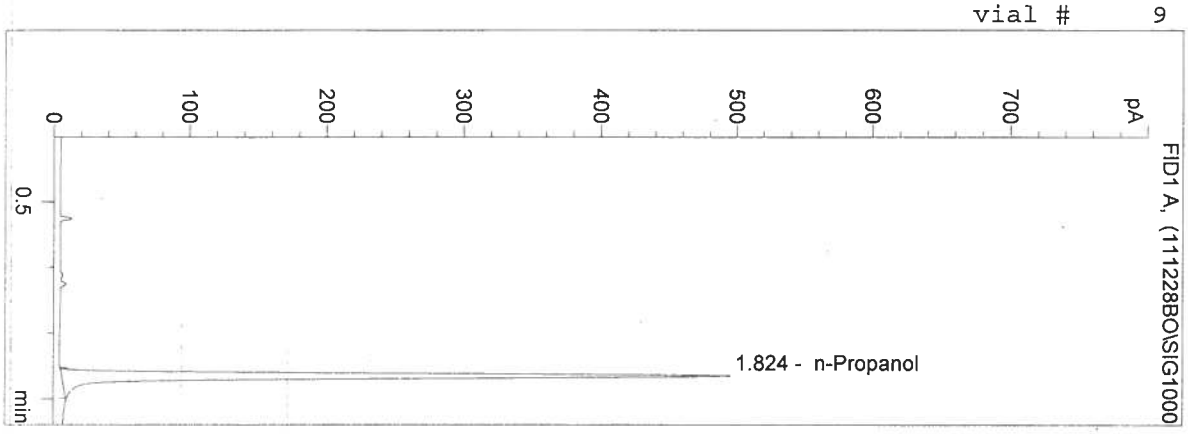
12/28/2011 9:17:11 AM
Instrument 3
DB-ALC2

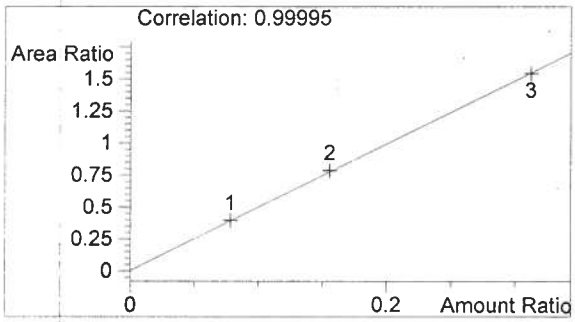
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 9

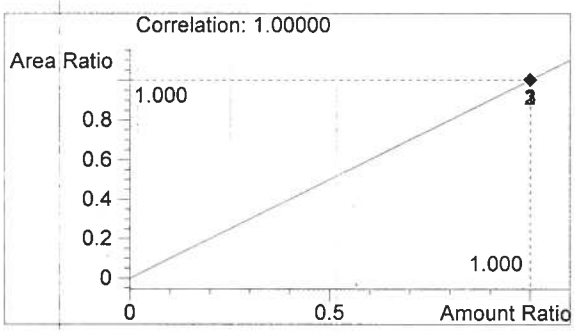


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1362	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11055

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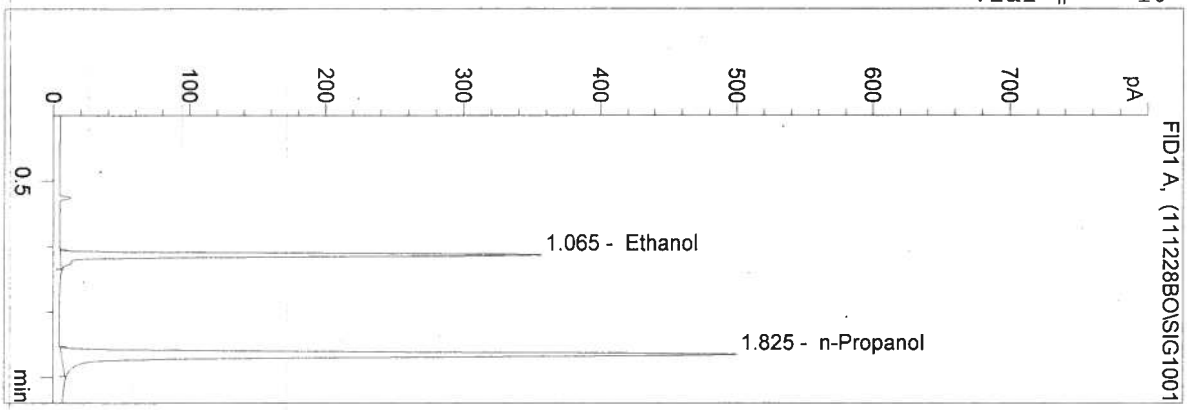
Instrument 3
DB-ALC2

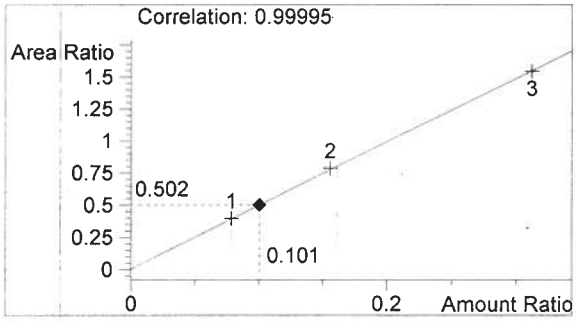
11055 #1
Brianne E. O'Reilly

vial # 10

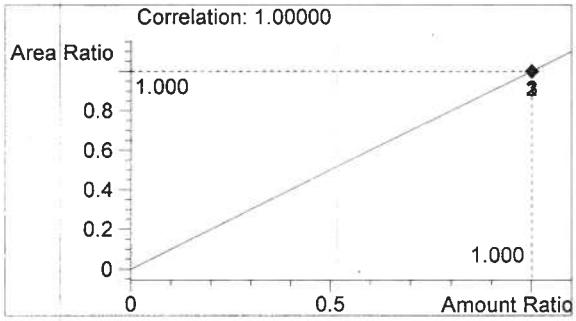


#	Compound	Area	RT
1	Ethanol	690	1.065
2	n-Propanol	1373	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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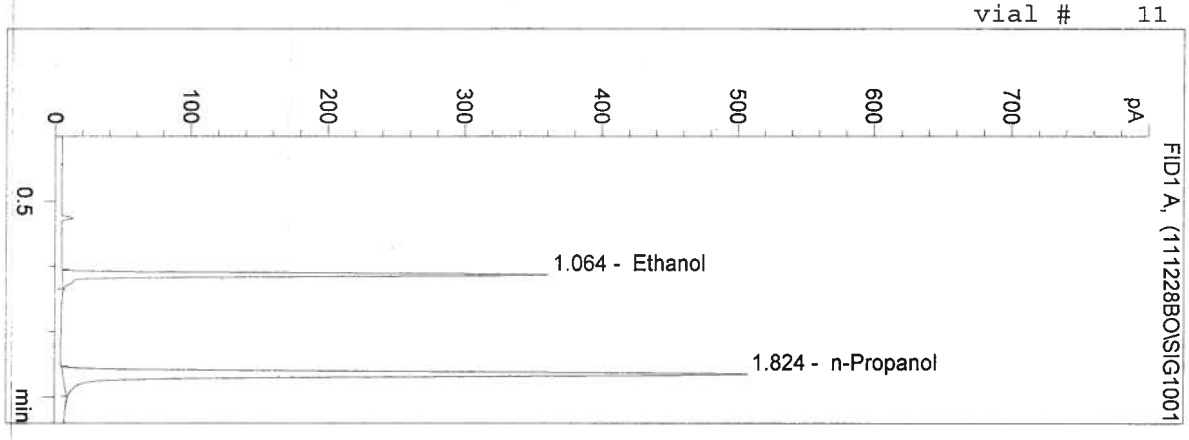
12/28/2011 9:23:25 AM
Instrument 3
DB-ALC2

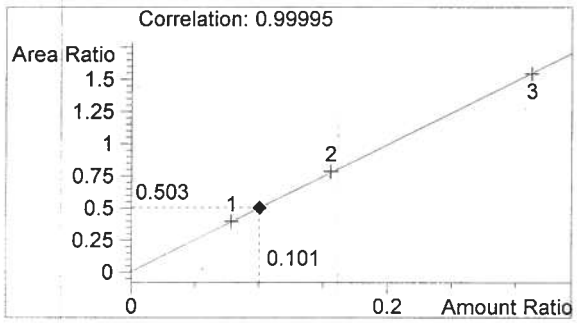
11055 #2
Brianne E. O'Reilly

vial # 11

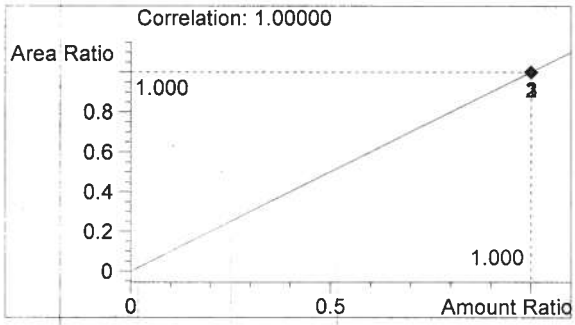


#	Compound	Area	RT
1	Ethanol	700	1.064
2	n-Propanol	1394	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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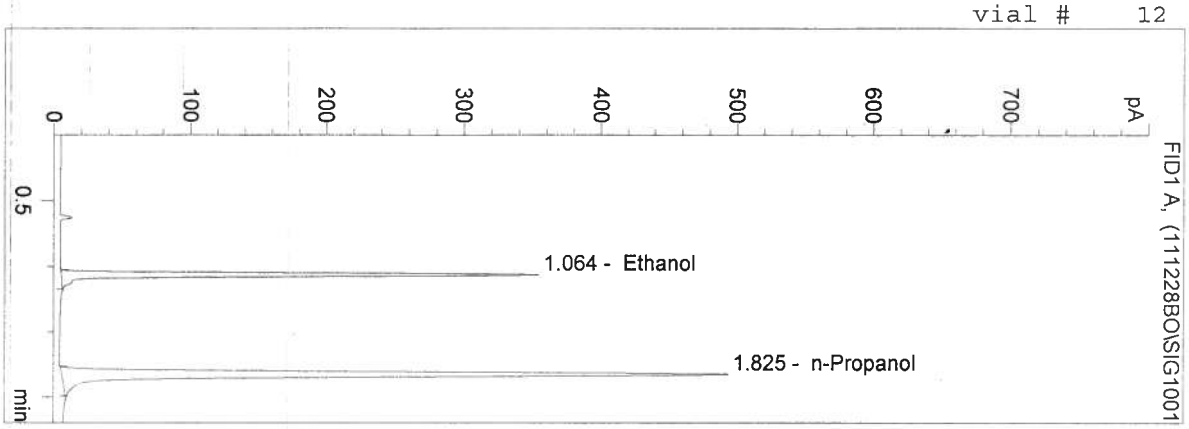
12/28/2011 9:26:32 AM
Instrument 3
DB-ALC2

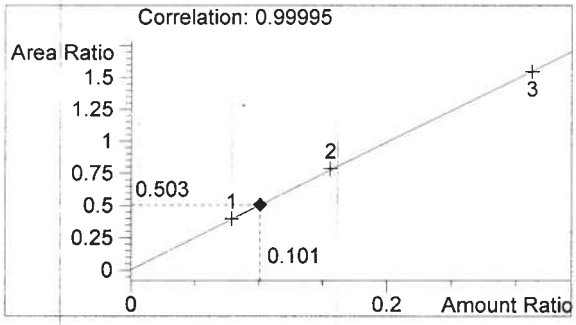
11055 #3
Brianne E. O'Reilly

vial # 12

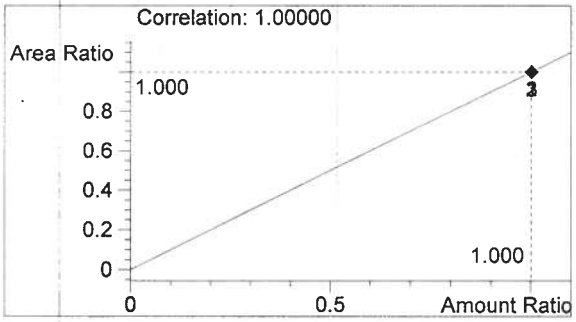


#	Compound	Area	RT
1	Ethanol	682	1.064
2	n-Propanol	1354	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

BEW

WASHINGTON STATE TOXICOLOGY LABORATORY

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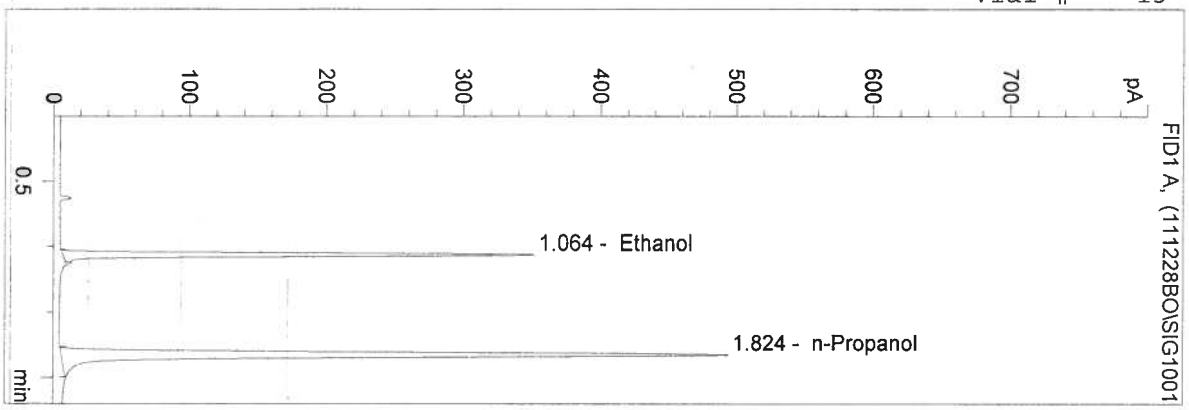
12/28/2011 9:29:40 AM
Instrument 3
DB-ALC2

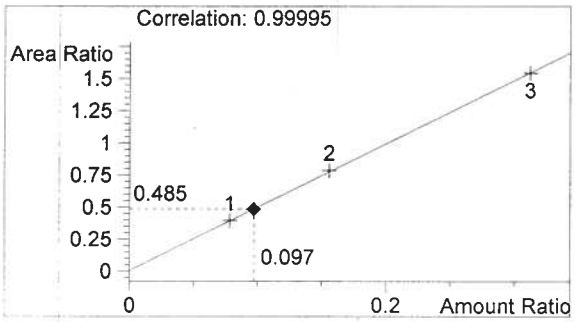
11055 #4
Brianne E. O'Reilly

vial # 13

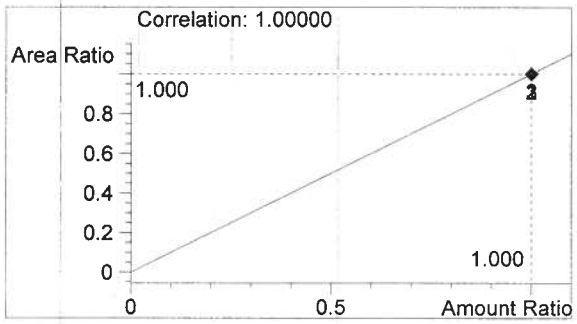


#	Compound	Area	RT
1	Ethanol	659	1.064
2	n-Propanol	1357	1.824

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

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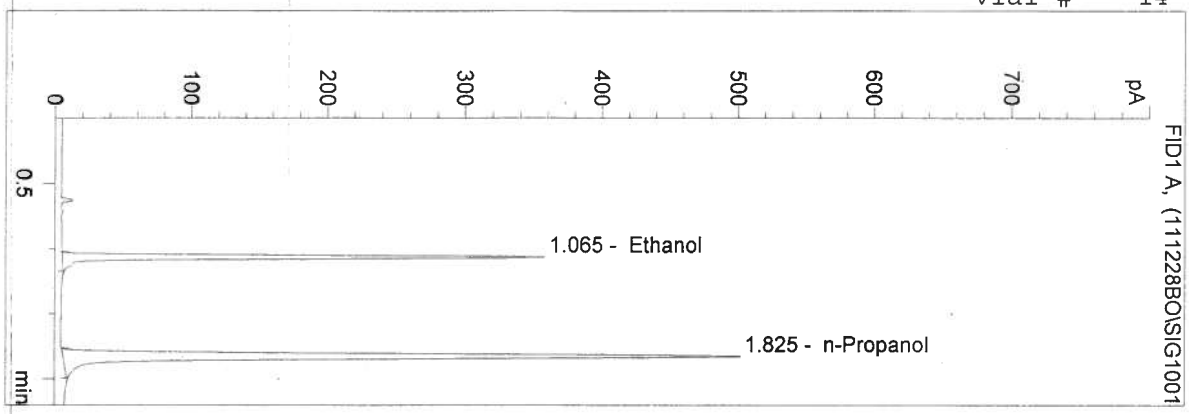
12/28/2011 9:32:47 AM
Instrument 3
DB-ALC2

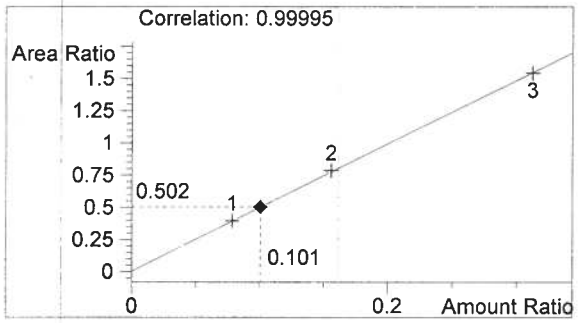
11055 #5
Brianne E. O'Reilly

vial # 14

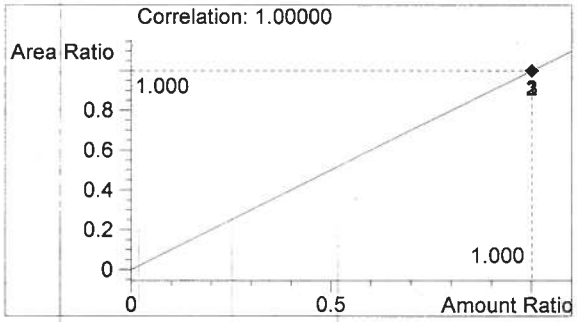


#	Compound	Area	RT
1	Ethanol	692	1.065
2	n-Propanol	1378	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

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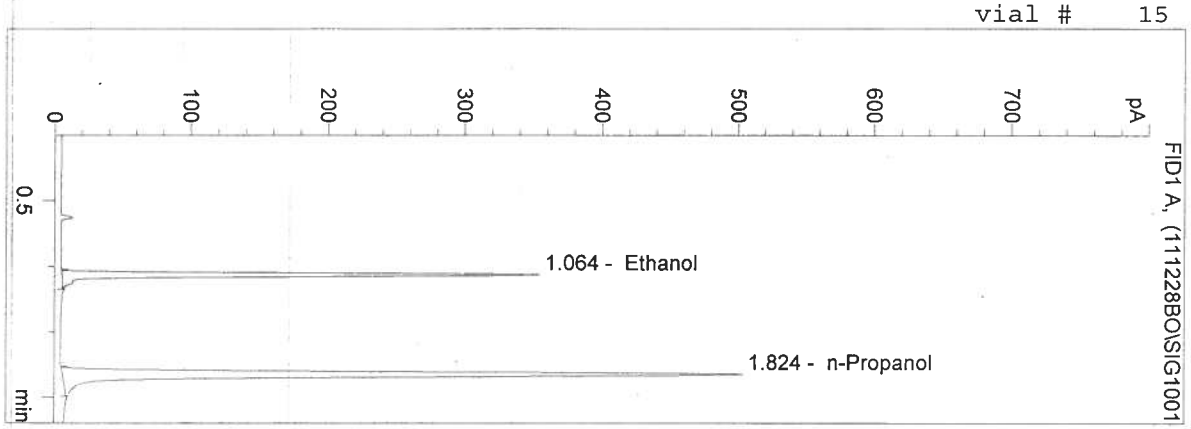
12/28/2011 9:35:54 AM
Instrument 3
DB-ALC2

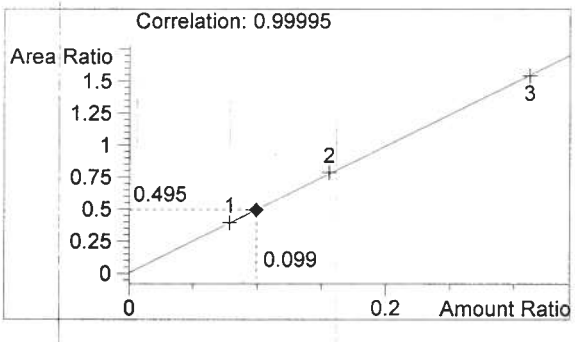
0.10 CONTROL-BO
Brianne E. O'Reilly

vial # 15

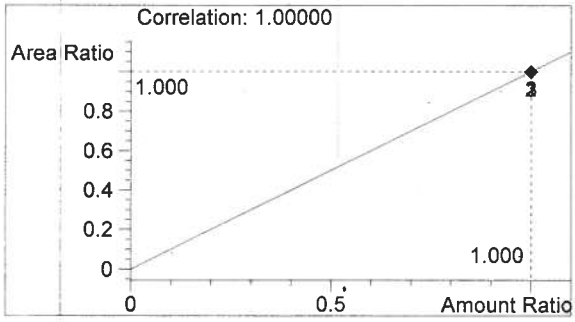


#	Compound	Area	RT
1	Ethanol	684	1.064
2	n-Propanol	1380	1.824

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

11055

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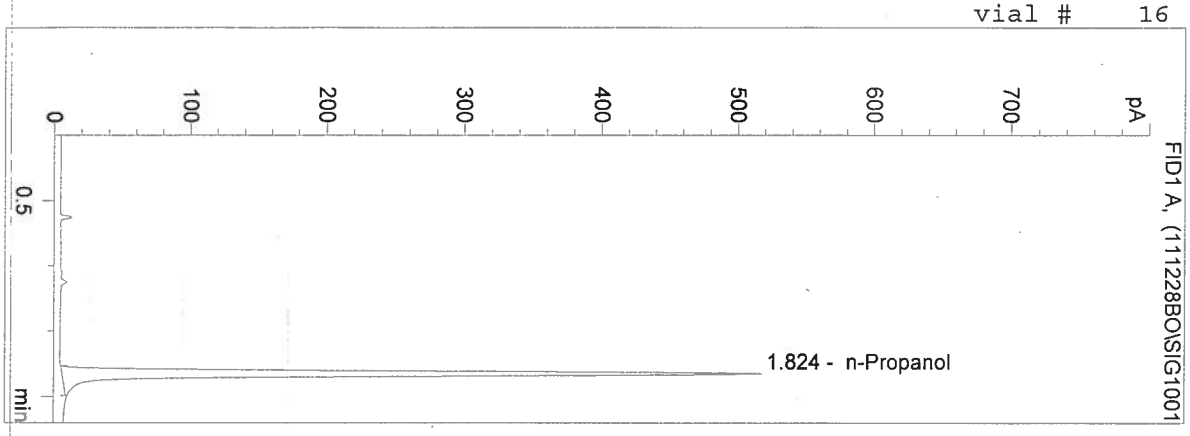
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/28/2011 9:39:01 AM
Instrument 3
DB-ALC2

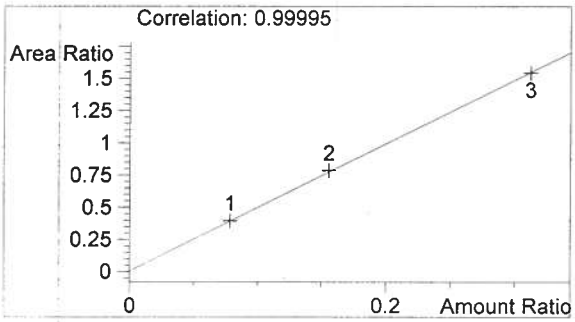
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 16

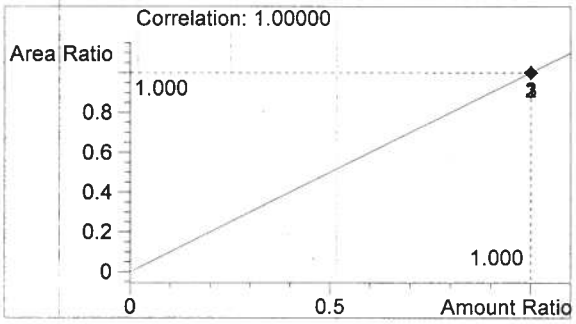


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1420	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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