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

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/18/2009

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 11053

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: 11/21/2011
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Brittany Ball

	BB	DC	AJL	BEO	LN	JLK	NN	CSJ
1	0.104	0.105	0.104	0.106	0.098	0.102	0.099	0.099
2	0.104	0.106	0.104	0.104	0.099	0.102	0.100	0.099
3	0.104	0.106	0.104	0.105	0.099	0.101	0.100	0.101
4	0.104	0.106	0.104	0.106	0.103	0.102	0.100	0.100
5	0.104	0.105	0.104	0.105	0.099	0.102	0.100	0.100
C	0.101	0.103	0.102	0.104	0.097	0.099	0.098	0.099

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1025 g/100mL
STANDARD DEVIATION: 0.00252
PRECISION CV (%): 2.46
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0833 g/210L**
EXPANDED UNCERTAINTY: ± 0.0060 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

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

12-14-2011
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
BB	Brittany Ball	Brittany Ball	11/21/2011
DC	Dawn Cox	Dawn Cox	11/21/2011
AJL	Asa J. Louis		11/22/2011
BEO	Brianne E. O'Reilly	Brianne O'Reilly	11/29/2011
LN	Lisa Noble	Lisa Noble	12/02/2011
JLK	Justin L. Knoy	Justin L. Knoy	12/02/2011
NN	Naziha Nuwayhid		12/05/2011
CSJ	Christopher S. Johnston		12/07/2011

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 #: 11053 **Date Prepared: 11/21/2011**

Analyst:	BB	DC	AJL	BEO	LN	JLK	NN	CJ
Date Tested:	11/21/2011	11/21/2011	11/22/2011	11/29/2011	12/2/2011	12/2/2011	12/5/2011	12/7/2011
Instrument:	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3
1	0.104	0.105	0.104	0.106	0.098	0.102	0.099	0.099
2	0.104	0.106	0.104	0.104	0.099	0.102	0.100	0.099
3	0.104	0.106	0.104	0.105	0.099	0.101	0.100	0.101
4	0.104	0.106	0.104	0.106	0.103	0.102	0.100	0.100
5	0.104	0.105	0.104	0.105	0.099	0.102	0.100	0.100
C	0.101	0.103	0.102	0.104	0.097	0.099	0.098	0.099

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0006054906	0.0006221111	0.0001016326

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

Average Solution Concentration: 0.1025 g/100mL
Standard Deviation: 0.00252 g/100mL
Precision CV (%): 2.46
Equivalent Vapor Concentration: 0.0833 g/210L
Combined Standard Uncertainty (±): 0.0030 g/210L
Expanded Uncertainty (±): 0.0060 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Pemberton — Name; Signature; 12-8-2011 — Date

Calculations verified by: Jason Skleerov — Name; Signature; 12/13/11 — Date

Method: Hand Calculator

Technical review of batch file performed by:

Melissa L. Pemberton — Name; Signature; 12-13-2011 — Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Jason H. Sklerov **Date:** 12/13/11

Location: WSP-FLSB; Seattle, WA **Solution Batch Number:** 11053

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

Comments:

Reviewer Signature: (SKLOTROV) **Date:** 12/13/11

Reviewer Signature: N/A JHS 12/13/11 **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	2011 12 09
Brian Capron		
Brianna Peterson		
Brianne O'Reilly	BOO	12-12-11
Brittany Ball	BB	12/8/11
Christie Mitchell		
Christopher Johnston	CJ	12·9·11
Dawn Cox	DC	12.8.11
Justin Knoy	JK	12-8-11
Lisa Noble	LN	12/12/11
Melissa Pemberton		
Naziha Nuwayhid	NN	12.8.11
Rebecca Flaherty		
Sarah Swenson		

Batch # 11053

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 11053

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 11053, was prepared in the Washington State Toxicology Laboratory on 11/21/2011. 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 11/21/2012.

Seattle, WA

Brittany Ball 12/8/11

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 11053

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.

The external standard solution, Lot Number 11053, was prepared in the Washington State Toxicology Laboratory on 11/21/2011. 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 11/21/2012.

Seattle, WA

Dawn Cox 12.8.11

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 11053

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 11053, was prepared in the Washington State Toxicology Laboratory on 11/21/2011. 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 11/21/2012.

Seattle, WA

2011 12 09

Asa J. Louis Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11053

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 11053, was prepared in the Washington State Toxicology Laboratory on 11/21/2011. 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 11/21/2012.

Seattle, WA

Brianne E. O'Reilly 12-12-11

Brianne E. O'Reilly Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11053

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 11053, was prepared in the Washington State Toxicology Laboratory on 11/21/2011. 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 11/21/2012.

Seattle, WA

Lisa Noble 12/12/11

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 11053

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 11053, was prepared in the Washington State Toxicology Laboratory on 11/21/2011. 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 11/21/2012.

Seattle, WA

12-8-11

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 11053

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 11053, was prepared in the Washington State Toxicology Laboratory on 11/21/2011. 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 11/21/2012.

Seattle, WA

12.8.11

Naziha Nuwayhid Date
Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11053

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 11053, was prepared in the Washington State Toxicology Laboratory on 11/21/2011. 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 11/21/2012.

Seattle, WA

Chris Johnston 12/9/2011

Christopher S. Johnston Date

Forensic Toxicologist

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:	111121BB
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#E0911-01 EXP 12/2011
3	Vial 3	Lot#E0911-02 EXP 12/2011
4	Vial 4	Lot#E0911-03 EXP 12/2011
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	

11053

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	11053 #1-BB	SIMALC3	1	Sample		
11	Vial 11	11053 #2-BB	SIMALC3	1	Sample		
12	Vial 12	11053 #3-BB	SIMALC3	1	Sample		
13	Vial 13	11053 #4-BB	SIMALC3	1	Sample		
14	Vial 14	11053 #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

11053

11053

Calibration Table

Calib. Data Modified : Monday, November 21, 2011 11:16:19 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
1.067	1	1	8.12800e-2	565.91174	1.43627e-4	1		Ethanol
		2	1.60090e-1	1163.92944	1.37543e-4			
		3	3.22750e-1	2364.22144	1.36514e-4			
1.827	1	1	1.00000	1567.18091	6.38088e-4	I1		n-Propanol
		2	1.00000	1626.19458	6.14933e-4			
		3	1.00000	1651.79492	6.05402e-4			

Peak Sum Table

No Entries in table

BB

11053

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Calibration Curves

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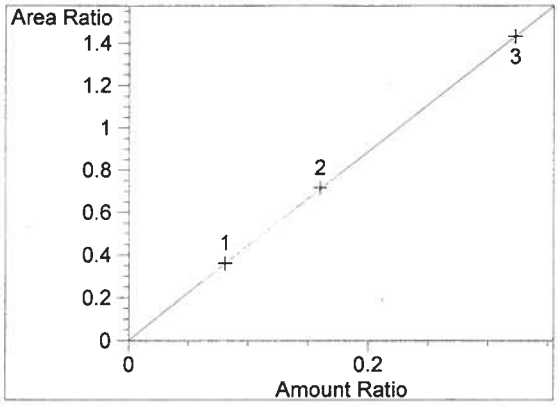
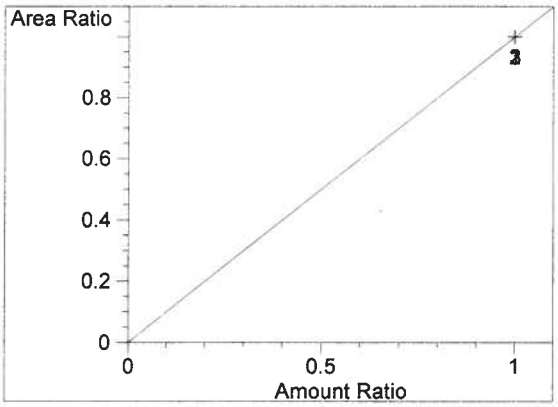


Ethanol at exp. RT: 1.067
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00342
Formula: y = mx + b
m: 4.43597
b: 1.43067e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.827
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

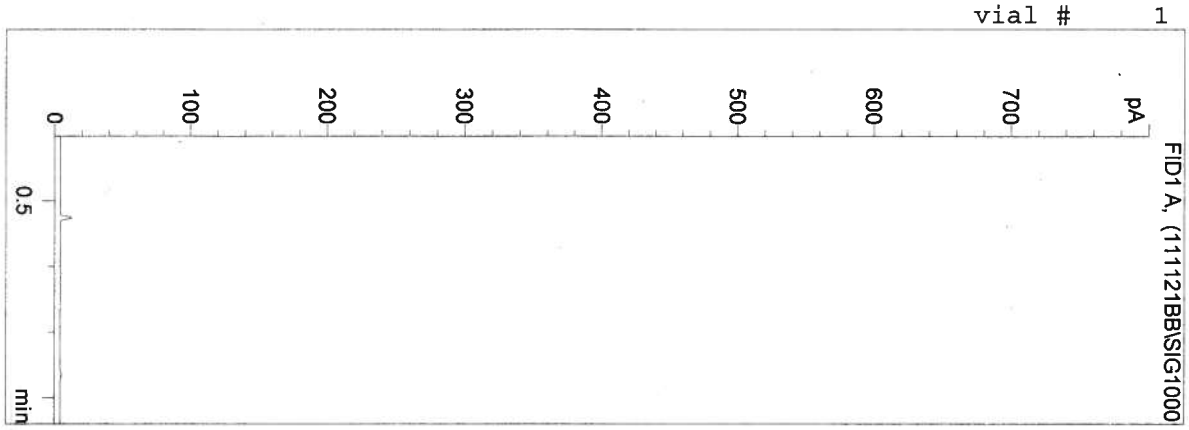
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:04:44 AM
Instrument 3
DB-ALC2

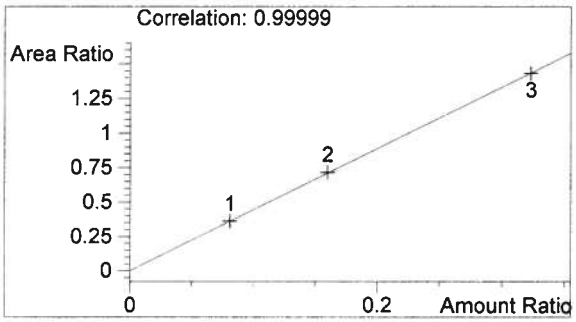
BLANK-BB
Brittany Ball

vial # 1

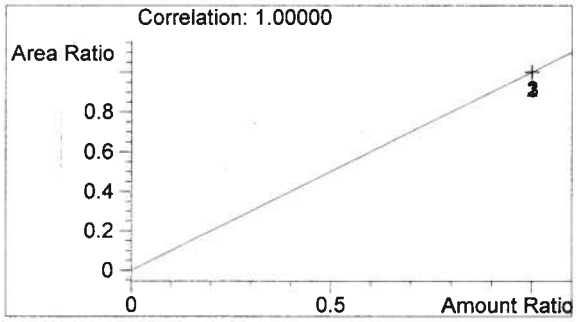


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

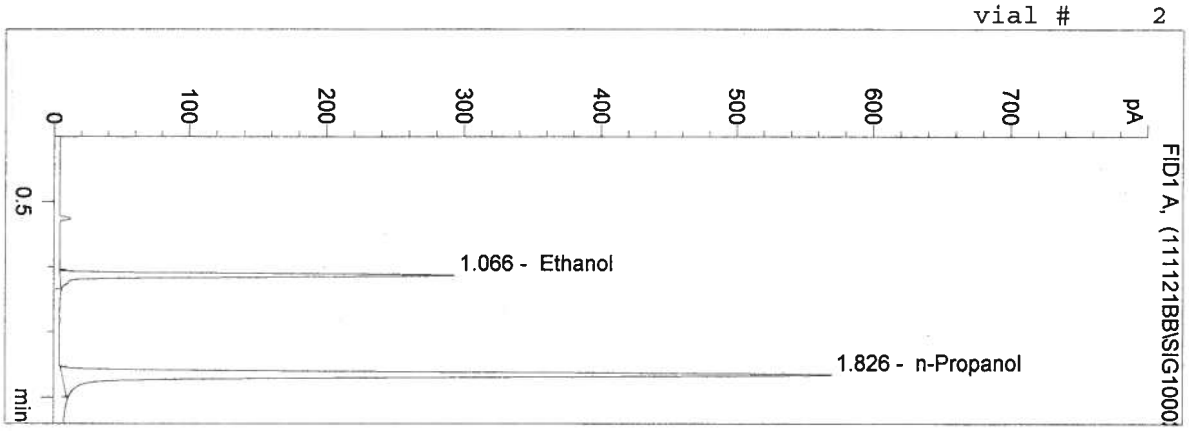
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:07:51 AM
Instrument 3
DB-ALC2

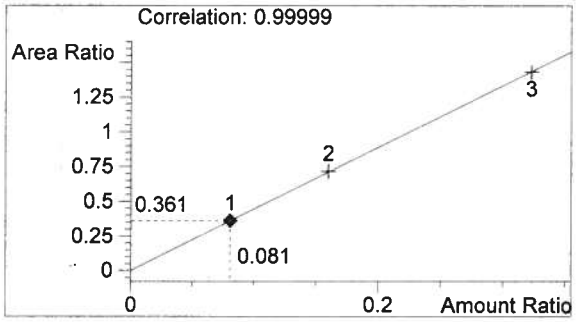
0.079 CAL 1
Brittany Ball

vial # 2

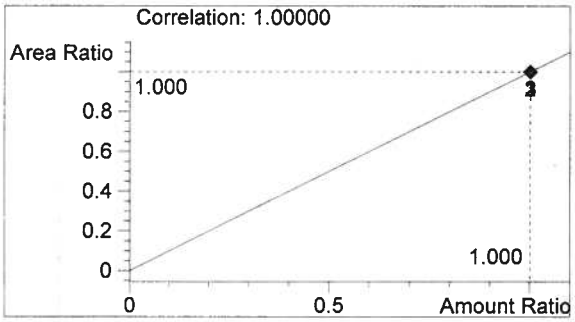


#	Compound	Area	RT
1	Ethanol	566	1.066
2	n-Propanol	1567	1.826

Totals:



Ethanol 0.081 g/100ml



n-Propanol 1.000 g/100ml

BB

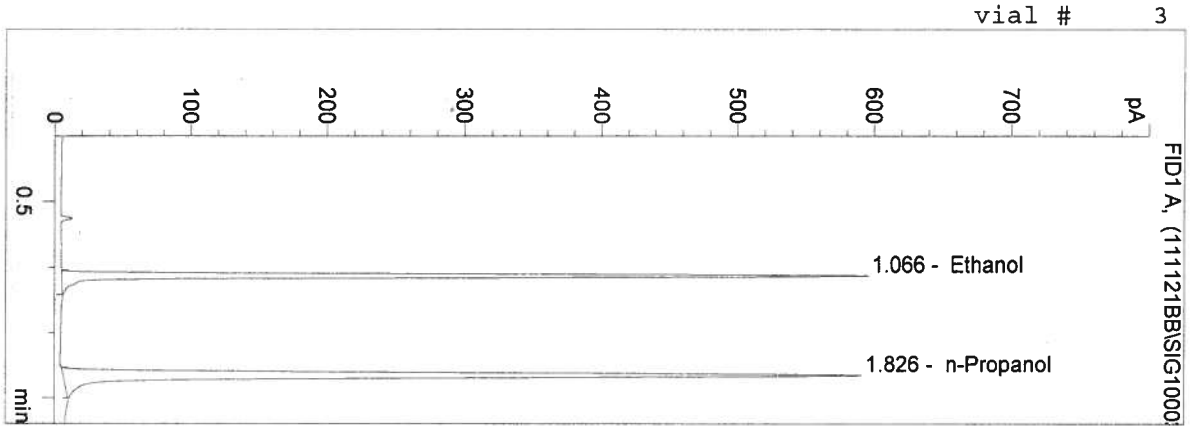
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

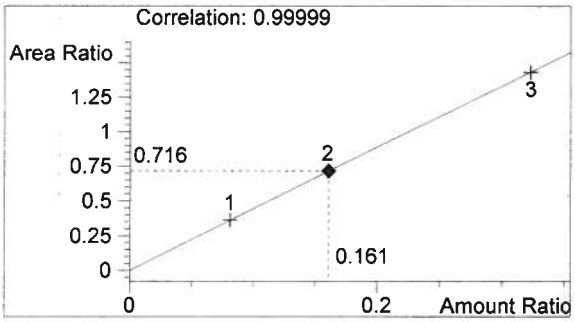
C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:10:59 AM
Instrument 3
DB-ALC2

0.158 CAL 2
Brittany Ball

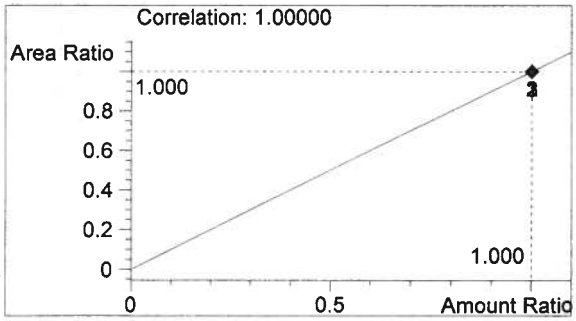
vial # 3



#	Compound	Area	RT
1	Ethanol	1164	1.066
2	n-Propanol	1626	1.826
Totals:			



Ethanol 0.161 g/100ml



n-Propanol 1.000 g/100ml

BB

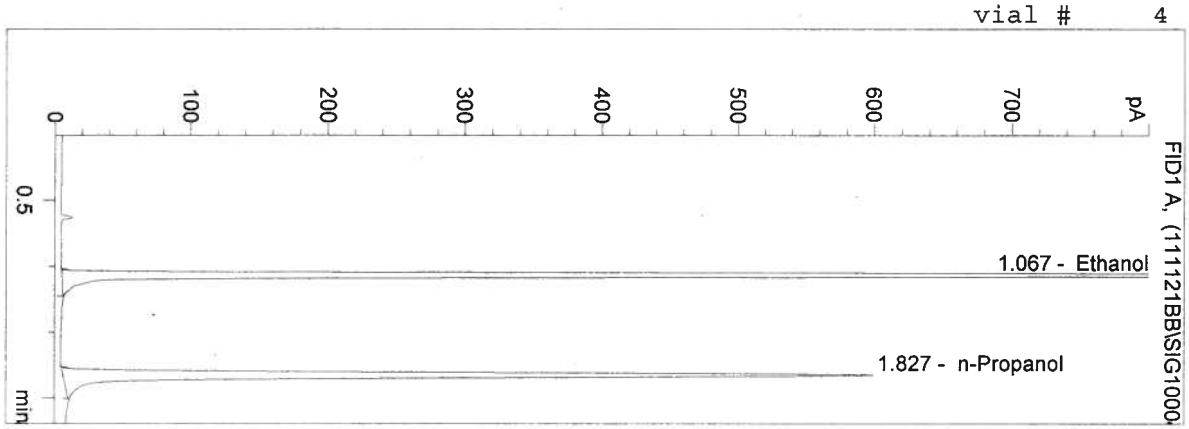
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:14:06 AM
Instrument 3
DB-ALC2

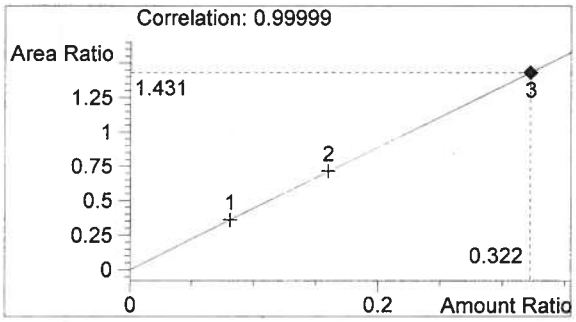
0.316 CAL 3
Brittany Ball

vial # 4

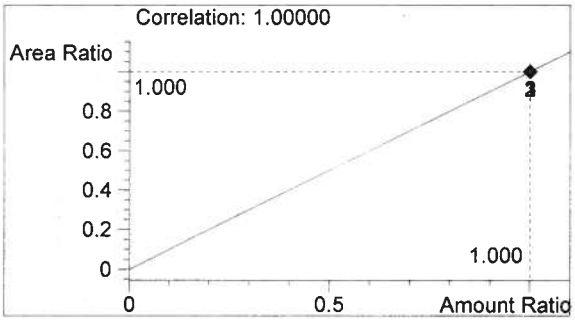


#	Compound	Area	RT
1	Ethanol	2364	1.067
2	n-Propanol	1652	1.827

Totals:



Ethanol 0.322 g/100ml



n-Propanol 1.000 g/100ml

BB

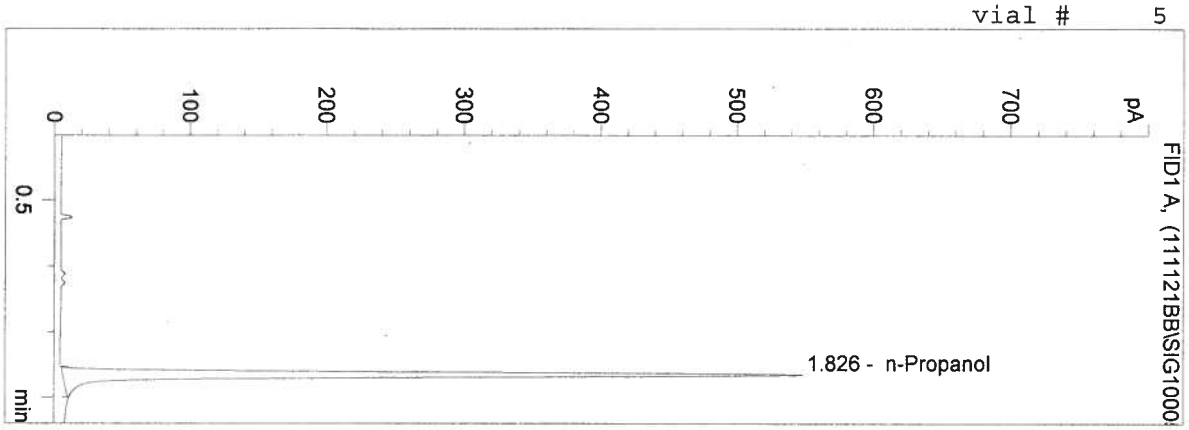
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:17:14 AM
Instrument 3
DB-ALC2

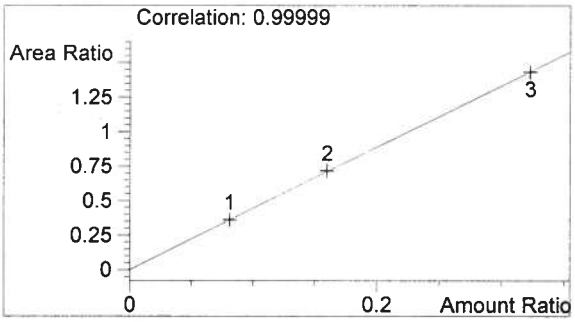
NEG Ctrl-BB
Brittany Ball

vial # 5

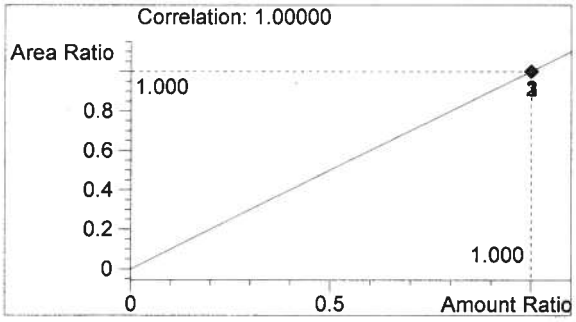


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1510	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

BB

11053

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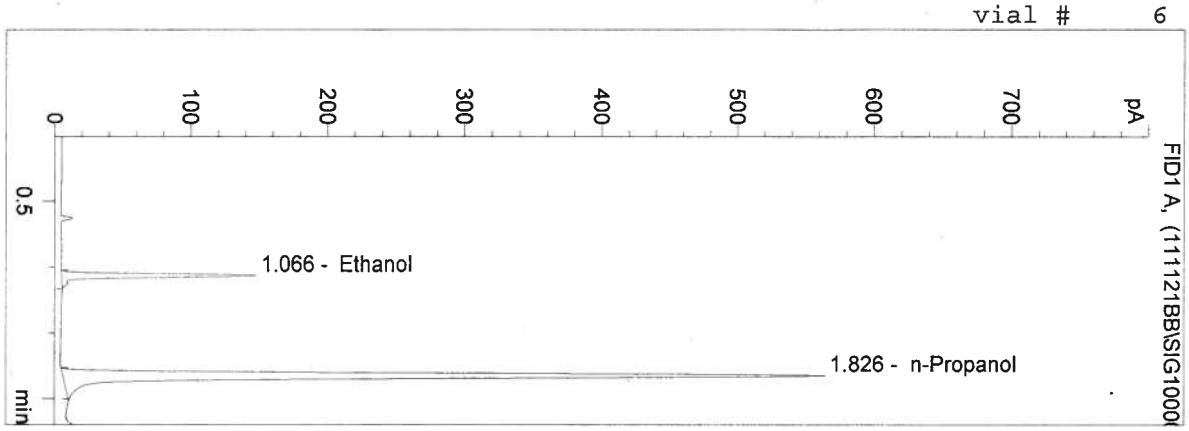
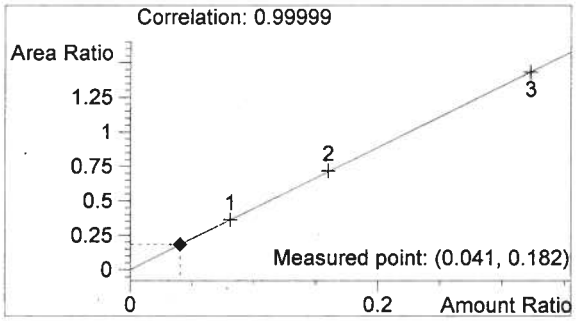
C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:20:21 AM
Instrument 3
DB-ALC2

0.04 Ctrl-BB
Brittany Ball

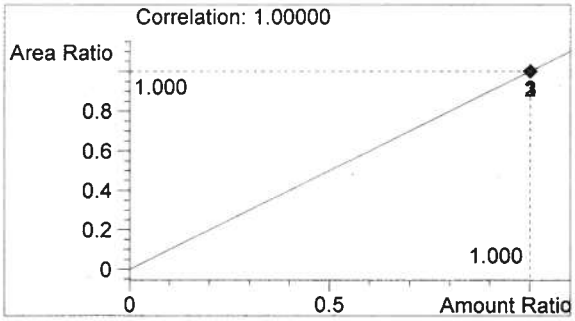
vial # 6



#	Compound	Area	RT
1	Ethanol	284	1.066
2	n-Propanol	1558	1.826
Totals:			



Ethanol 0.041 g/100ml



n-Propanol 1.000 g/100ml

BB

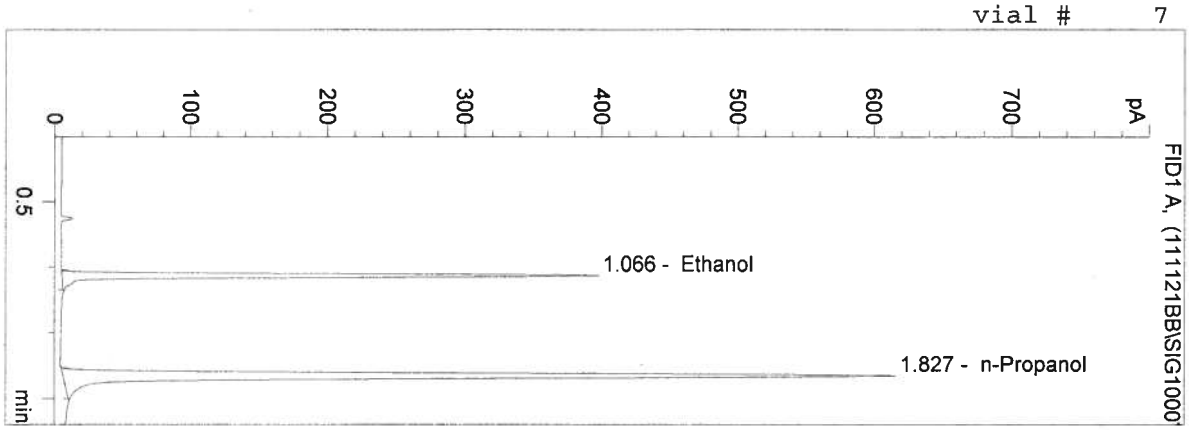
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

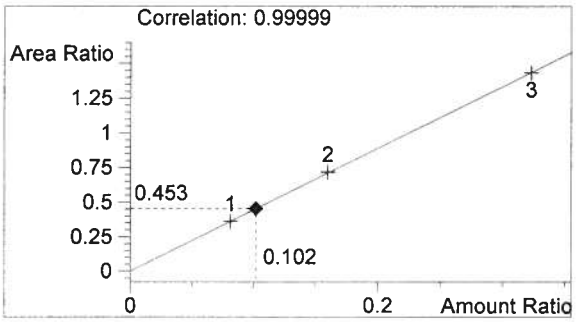
C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:23:28 AM
Instrument 3
DB-ALC2

0.10 Ctrl-BB
Brittany Ball

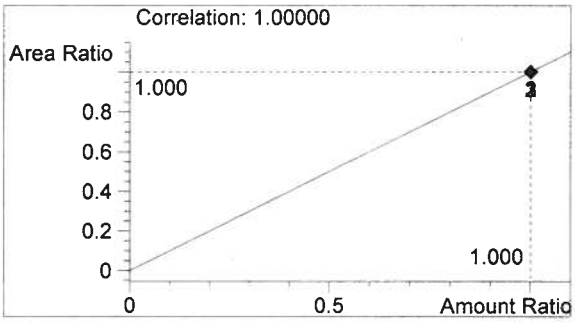
vial # 7



#	Compound	Area	RT
1	Ethanol	770	1.066
2	n-Propanol	1697	1.827
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

11053

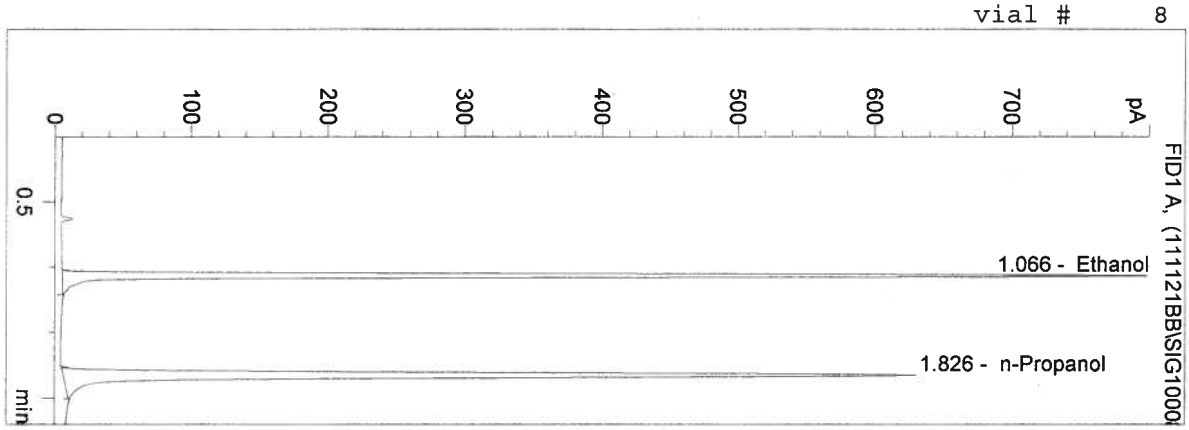
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:26:36 AM
Instrument 3
DB-ALC2

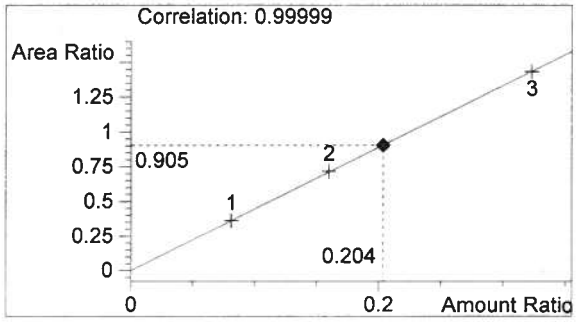
0.20 Ctrl-BB
Brittany Ball

vial # 8

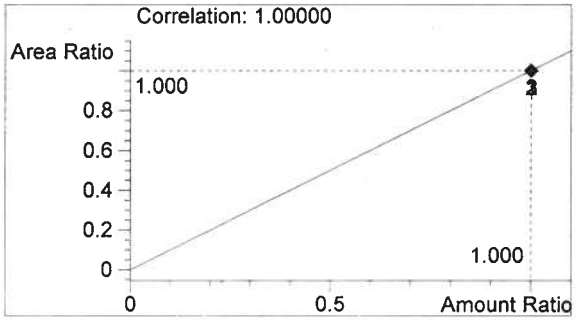


#	Compound	Area	RT
1	Ethanol	1574	1.066
2	n-Propanol	1739	1.826

Totals:



Ethanol 0.204 g/100ml



n-Propanol 1.000 g/100ml

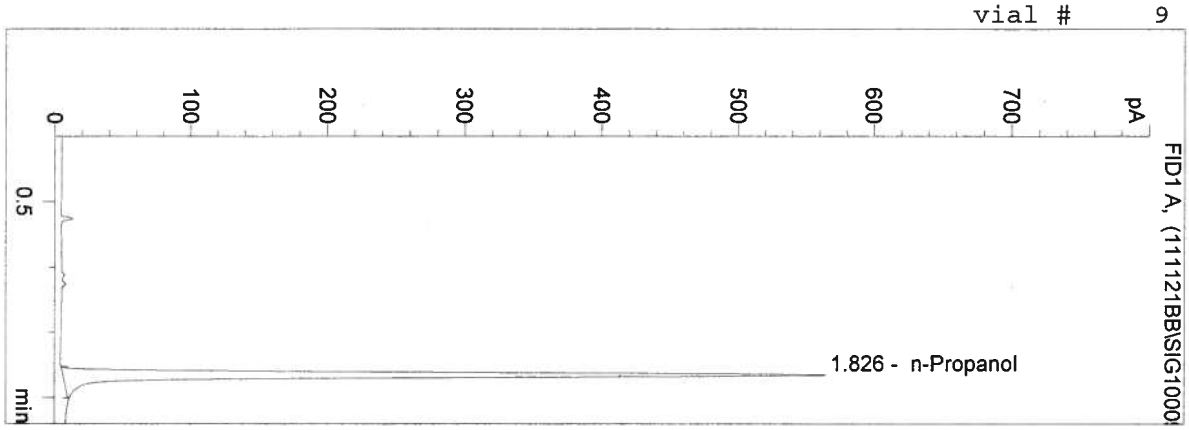
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:29:43 AM
Instrument 3
DB-ALC2

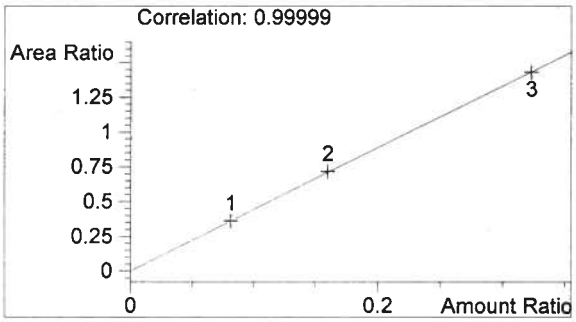
NEG Ctrl-BB
Brittany Ball

vial # 9

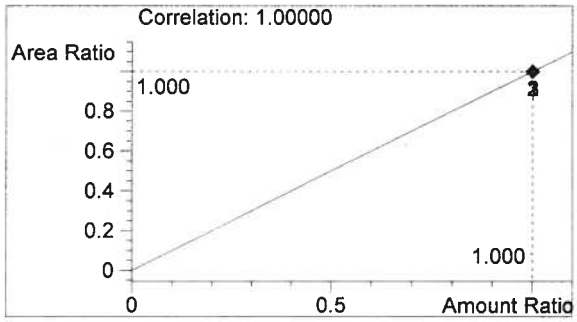


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1557	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11053

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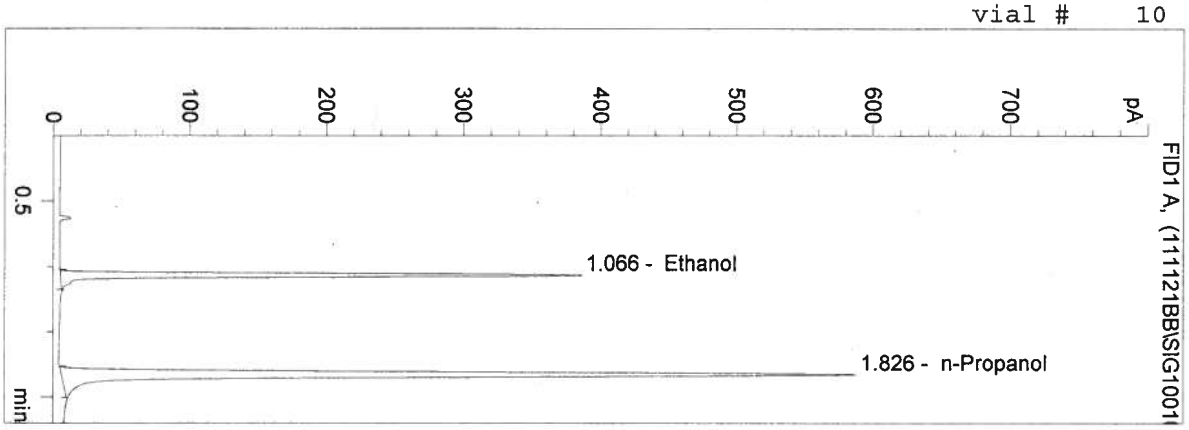
C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:32:51 AM
Instrument 3
DB-ALC2

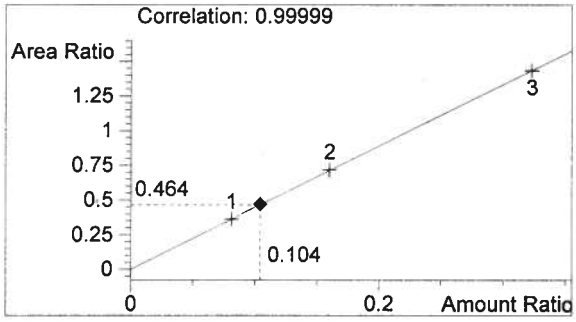
11053 #1-BB
Brittany Ball

vial # 10

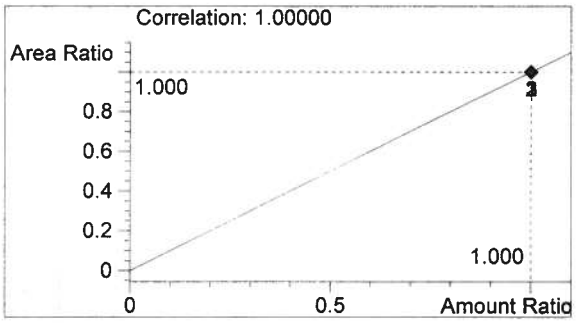


#	Compound	Area	RT
1	Ethanol	750	1.066
2	n-Propanol	1616	1.826

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

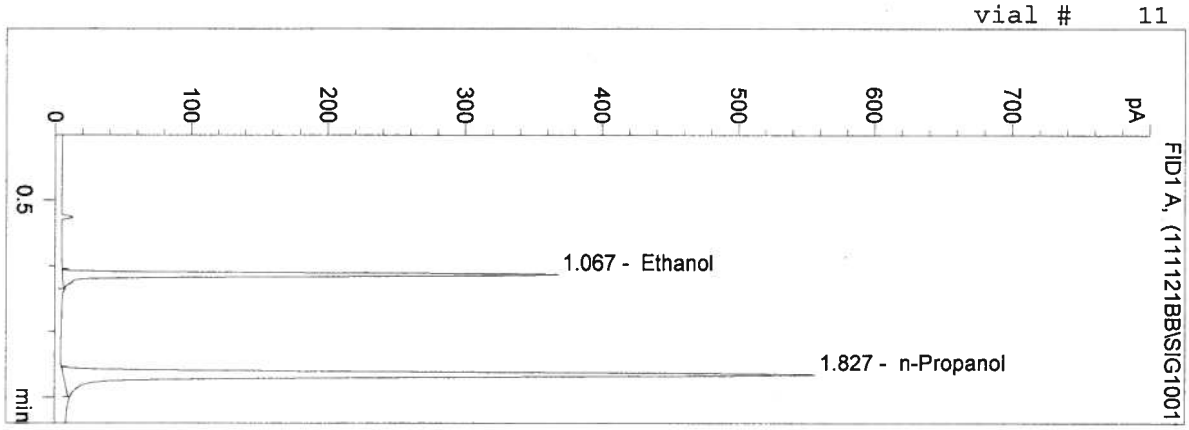
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:35:58 AM
Instrument 3
DB-ALC2

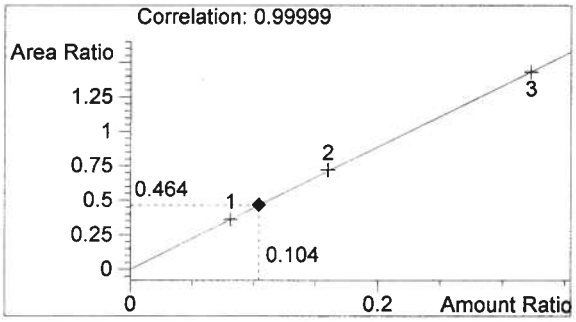
11053 #2-BB
Brittany Ball

vial # 11

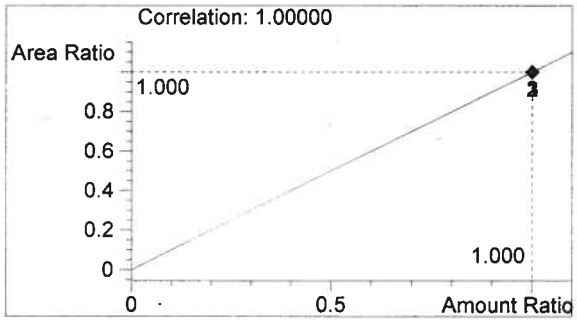


#	Compound	Area	RT
1	Ethanol	711	1.067
2	n-Propanol	1533	1.827

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

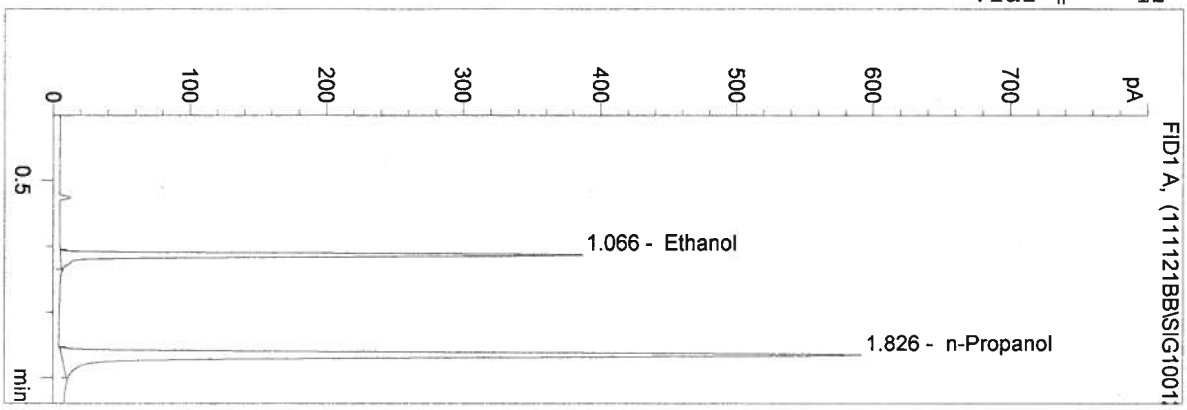
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:39:05 AM
Instrument 3
DB-ALC2

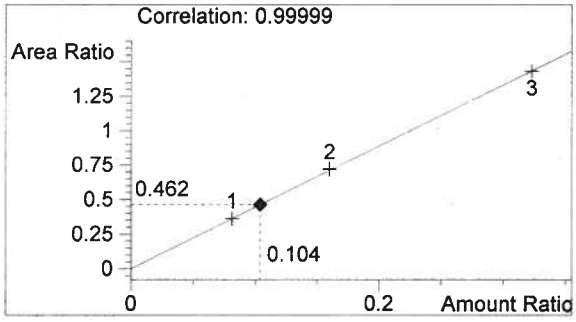
11053 #3-BB
Brittany Ball

vial # 12

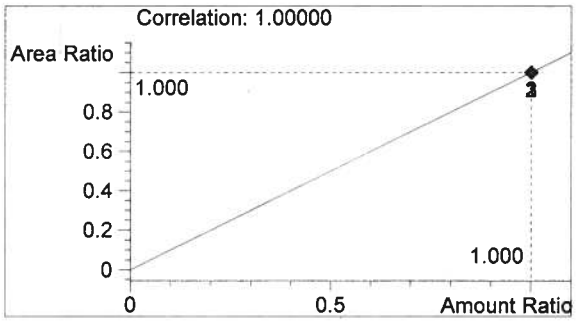


#	Compound	Area	RT
1	Ethanol	754	1.066
2	n-Propanol	1631	1.826

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

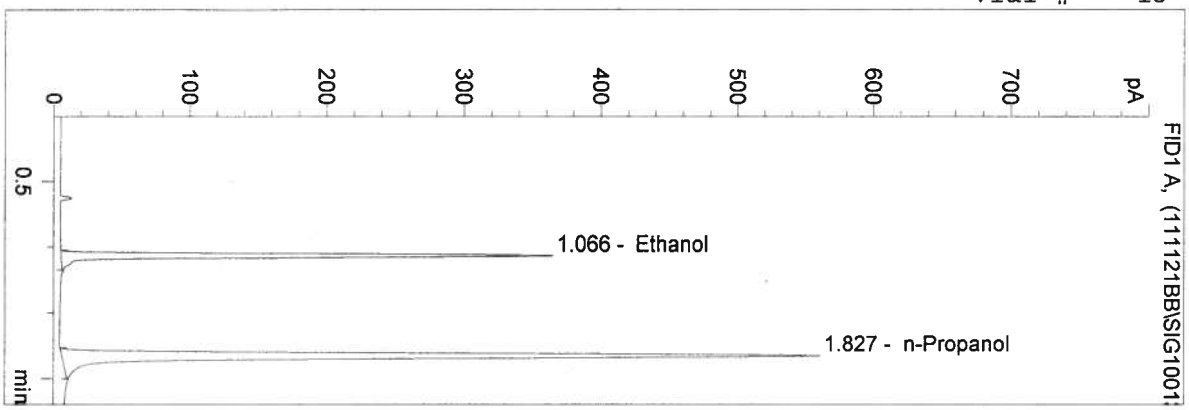
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:42:12 AM
Instrument 3
DB-ALC2

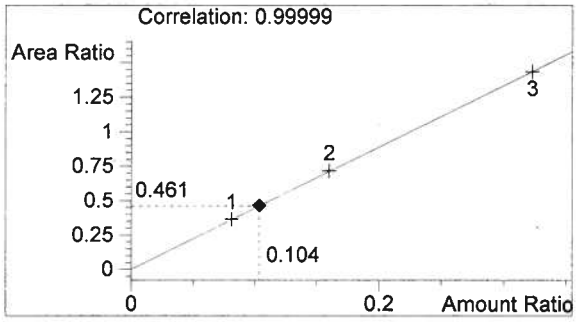
11053 #4-BB
Brittany Ball

vial # 13

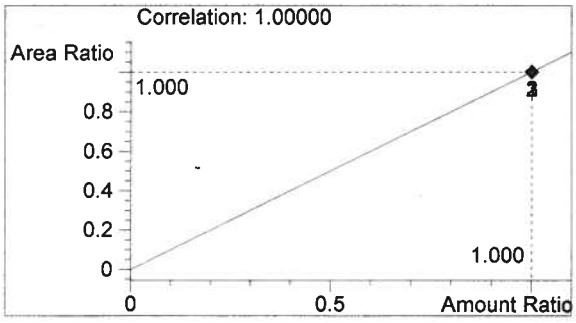


#	Compound	Area	RT
1	Ethanol	716	1.066
2	n-Propanol	1552	1.827

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

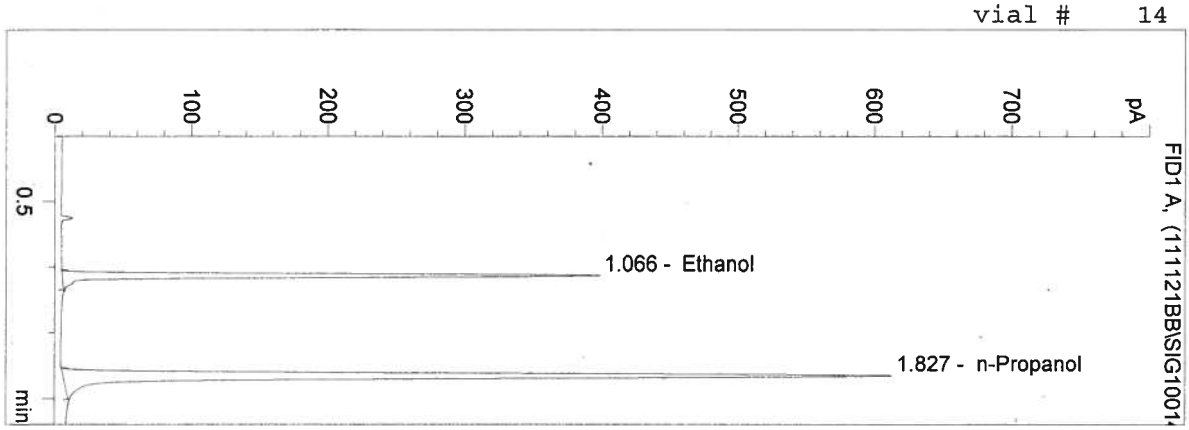
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:45:20 AM
Instrument 3
DB-ALC2

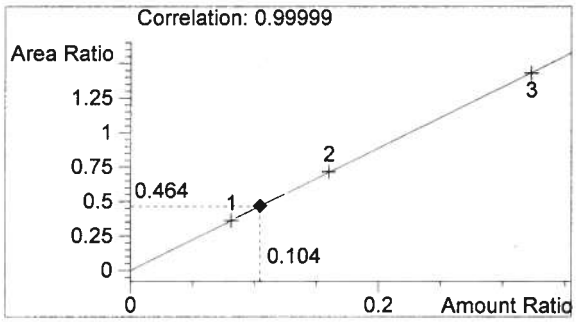
11053 #5-BB
Brittany Ball

vial # 14

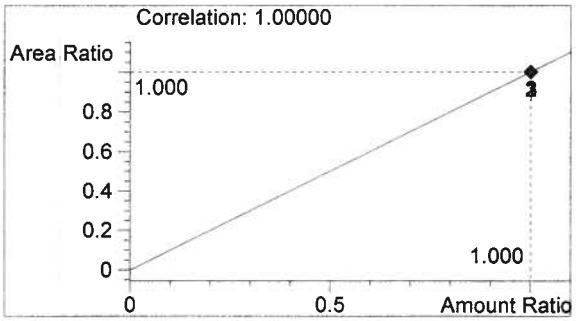


#	Compound	Area	RT
1	Ethanol	786	1.066
2	n-Propanol	1691	1.827

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

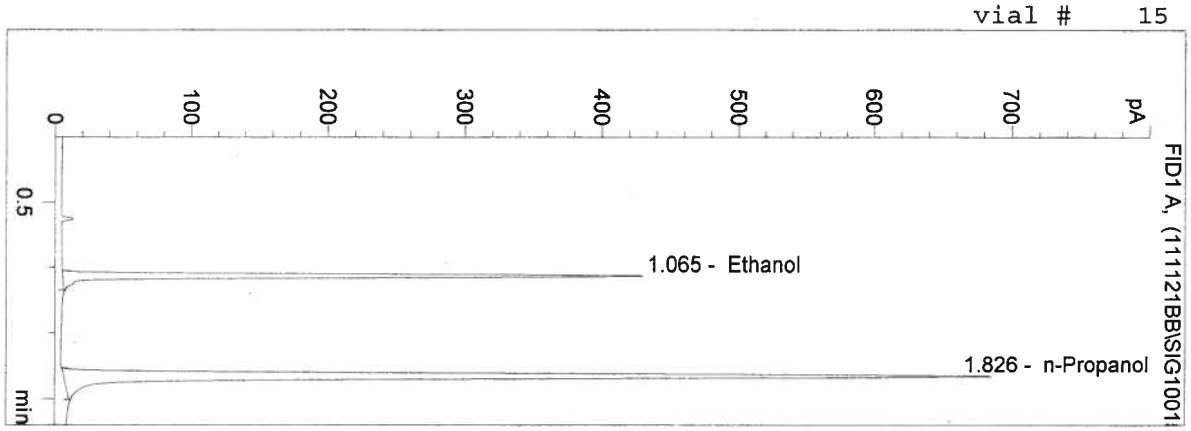
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:48:27 AM
Instrument 3
DB-ALC2

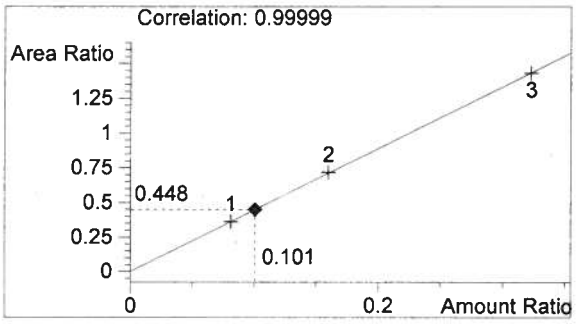
0.10 Ctrl-BB
Brittany Ball

vial # 15

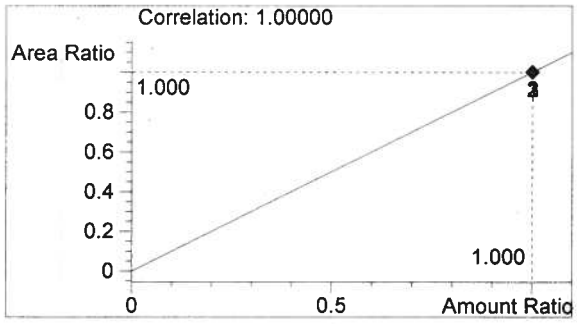


#	Compound	Area	RT
1	Ethanol	847	1.065
2	n-Propanol	1890	1.826

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

11053

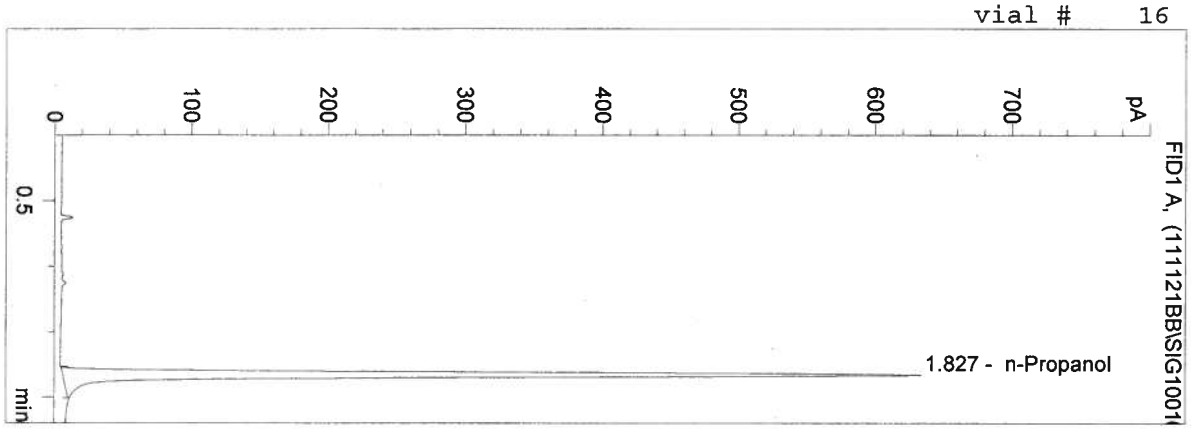
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 11:51:35 AM
Instrument 3
DB-ALC2

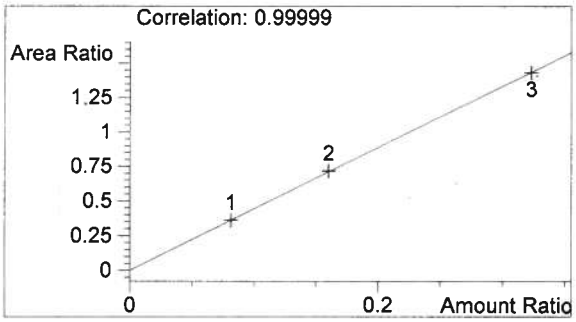
NEG Ctrl-BB
Brittany Ball

vial # 16

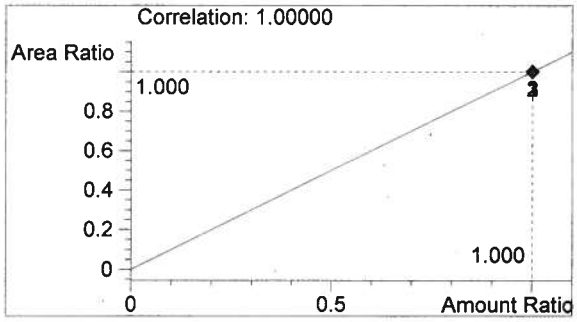


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1752	1.827

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11053

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

Sequence Parameters:

Operator:	Dawn Cox
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	111121DC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot# E0911-01
Cal 2- Lot# E0911-02
Cal 3- Lot# E0911-03

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# E0911-01
3	Vial 3	Lot# E0911-02
4	Vial 4	Lot# E0911-03
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	

11053

DC

Sequence: C:\HPCHEM\2\SEQUENCE\DCESS3.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-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	11053 #1	SIMALC3	1	Sample		
11	Vial 11	11053 #2	SIMALC3	1	Sample		
12	Vial 12	11053 #3	SIMALC3	1	Sample		
13	Vial 13	11053 #4	SIMALC3	1	Sample		
14	Vial 14	11053 #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!

11053

DC

Calibration Table

Calib. Data Modified : Monday, November 21, 2011 2:13:16 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	8.12800e-2	518.48553	1.56764e-4		1	Ethanol
		2	1.60090e-1	1071.74158	1.49374e-4			
		3	3.22750e-1	2113.64233	1.52698e-4			
1.825	1	1	1.00000	1522.02576	6.57019e-4	I1		n-Propanol
		2	1.00000	1536.04614	6.51022e-4			
		3	1.00000	1519.48279	6.58119e-4			

Peak Sum Table

No Entries in table

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Calibration Curves

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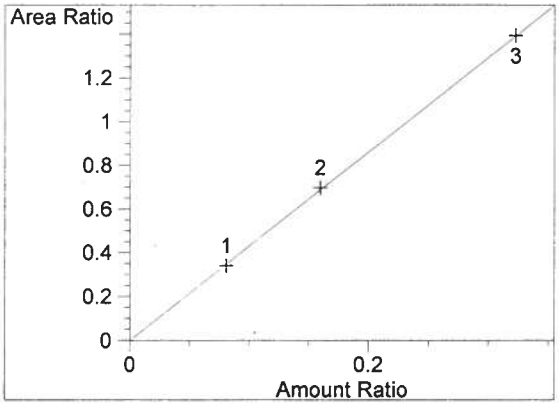
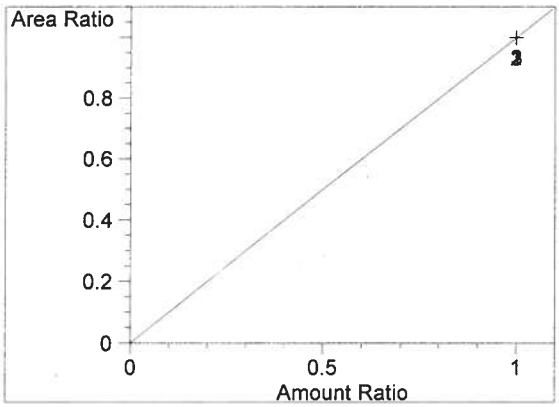


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99993
Residual Std. Dev.: 0.00846
Formula: y = mx + b
m: 4.32267
b: -2.27380e-3
x: Amount Ratio
y: Area Ratio



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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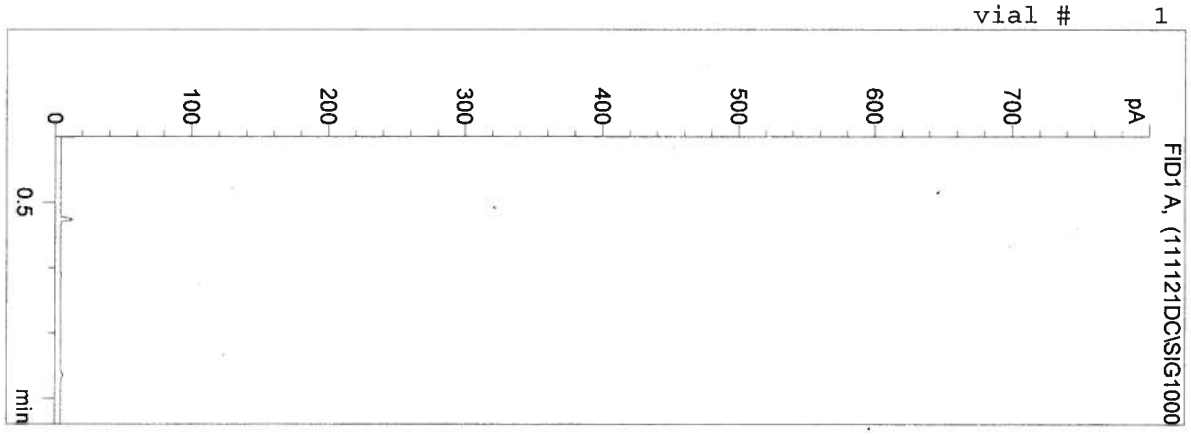
Instrument 3
DB-ALC2

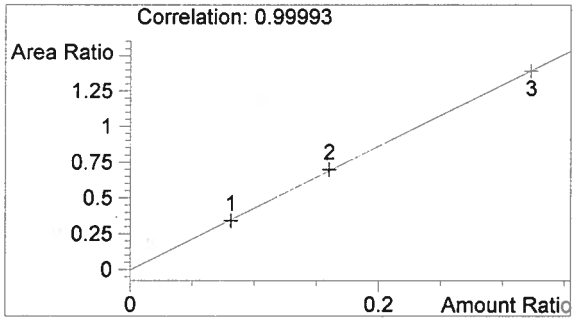
BLANK
Dawn Cox

vial # 1

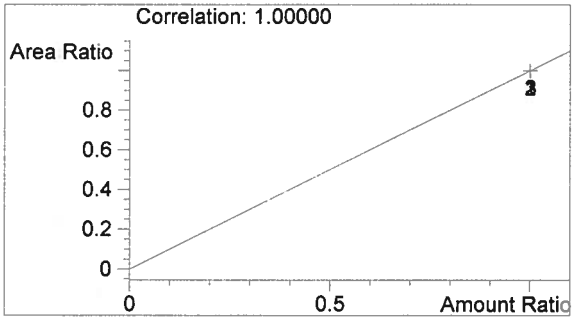


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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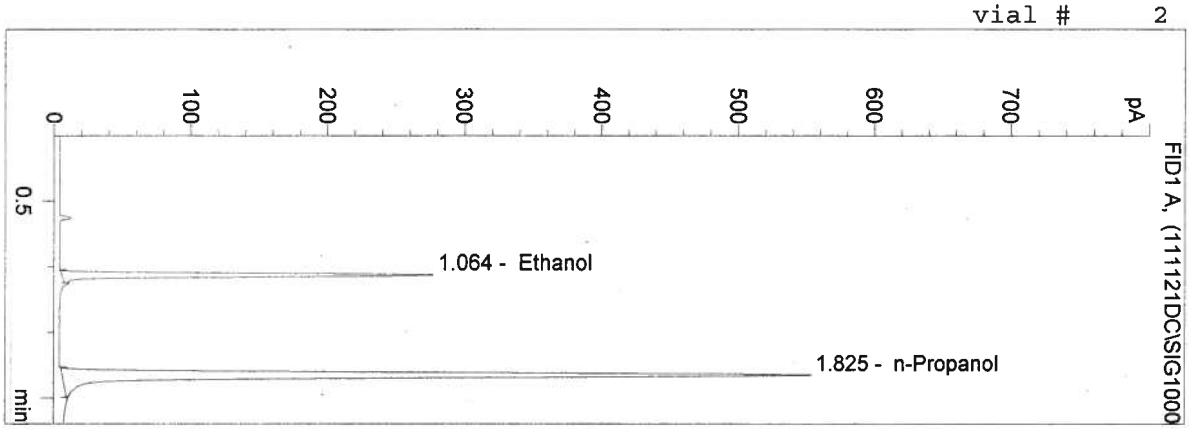
DB-ALC2

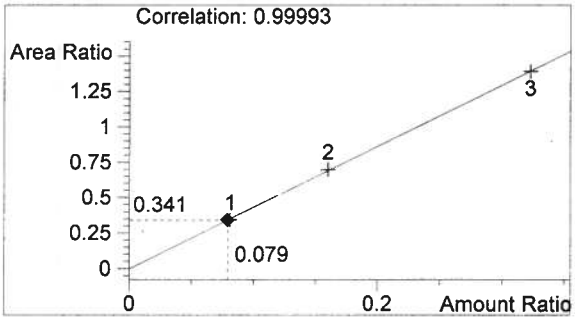
0.079 CAL 1
Dawn Cox

vial # 2

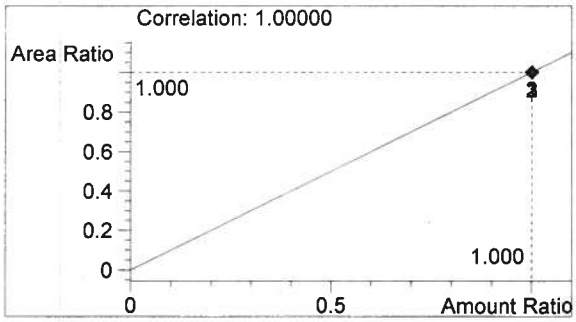


#	Compound	Area	RT
1	Ethanol	518	1.064
2	n-Propanol	1522	1.825

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

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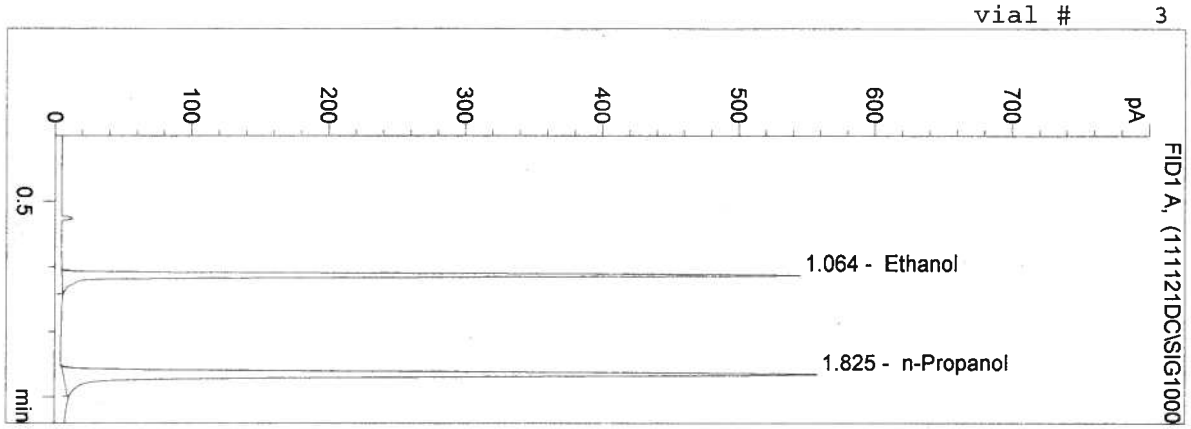
Instrument 3
DB-ALC2

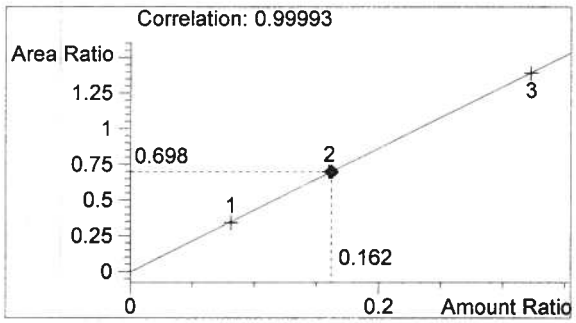
0.158 CAL 2
Dawn Cox

vial # 3

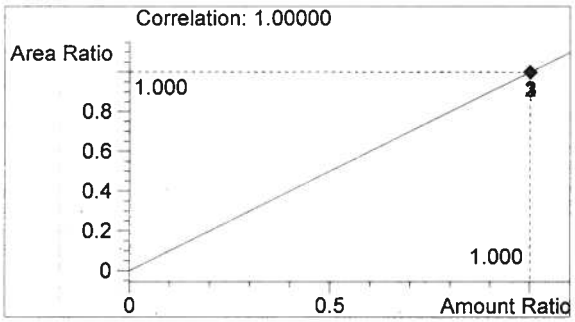


#	Compound	Area	RT
1	Ethanol	1072	1.064
2	n-Propanol	1536	1.825

Totals:



Ethanol 0.162 g/100ml



n-Propanol 1.000 g/100ml

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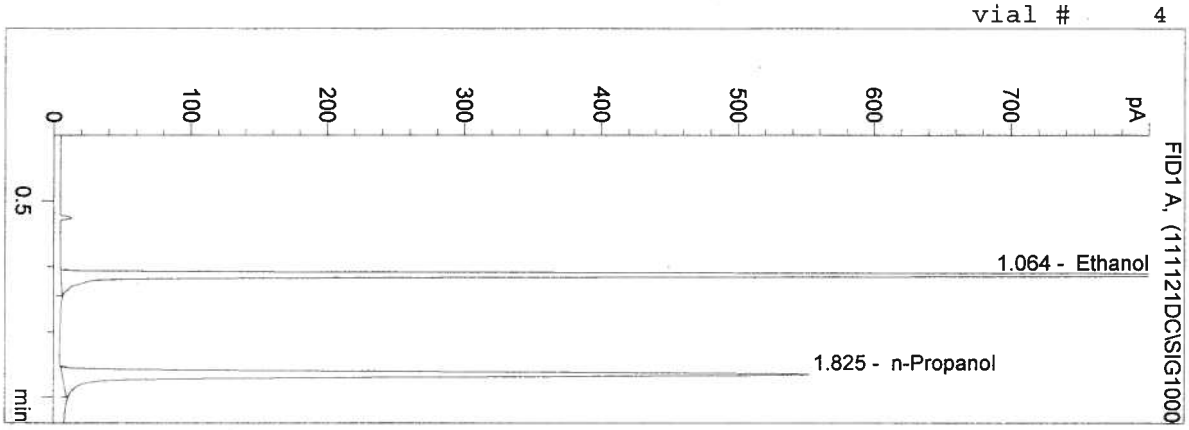
Instrument 3
DB-ALC2

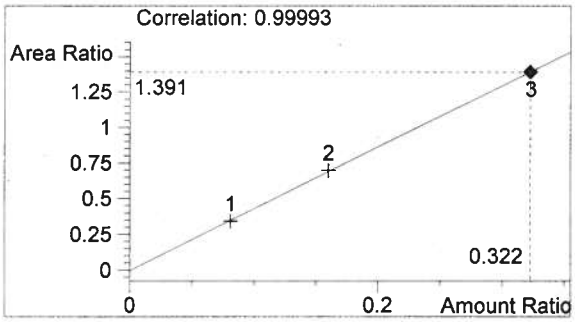
0.316 CAL 3
Dawn Cox

vial # 4

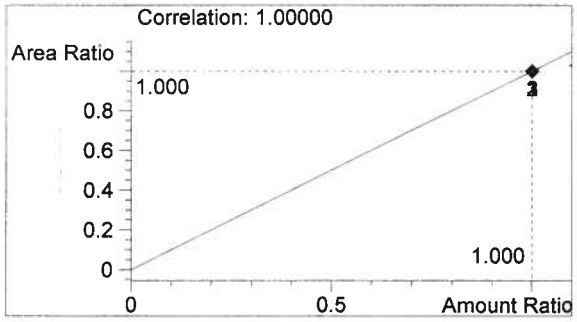


#	Compound	Area	RT
1	Ethanol	2114	1.064
2	n-Propanol	1519	1.825

Totals:



Ethanol 0.322 g/100ml



n-Propanol 1.000 g/100ml

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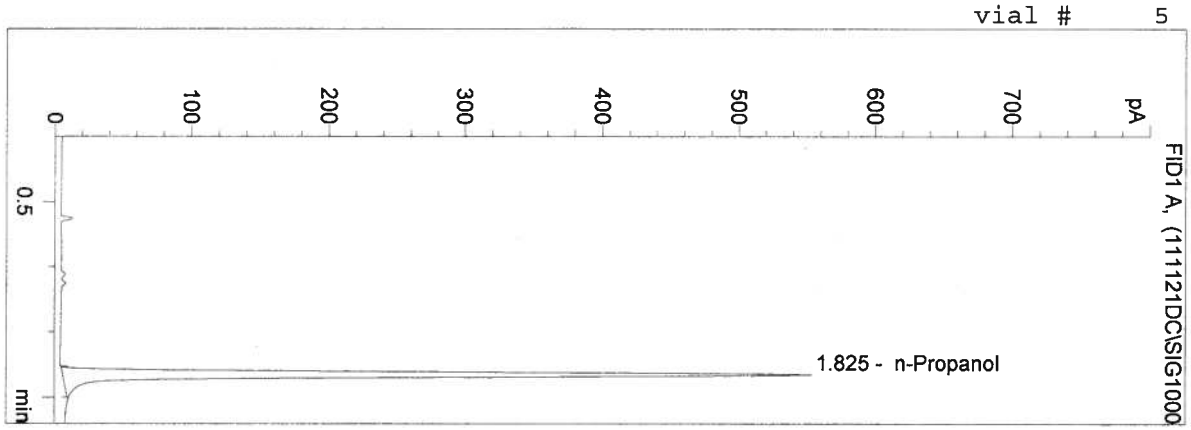
Instrument 3
DB-ALC2

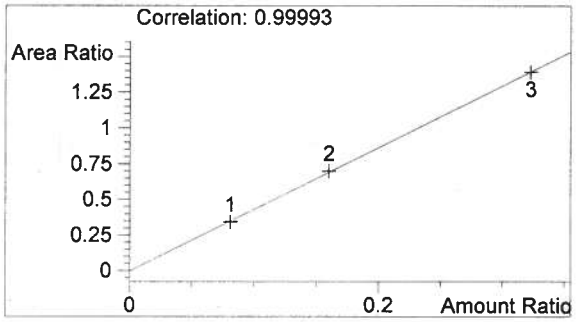
NEG CTRL-DC
Dawn Cox

vial # 5

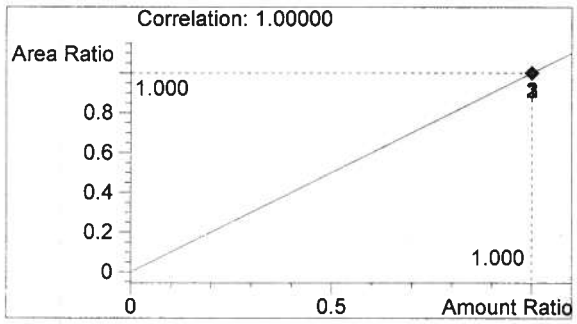


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1528	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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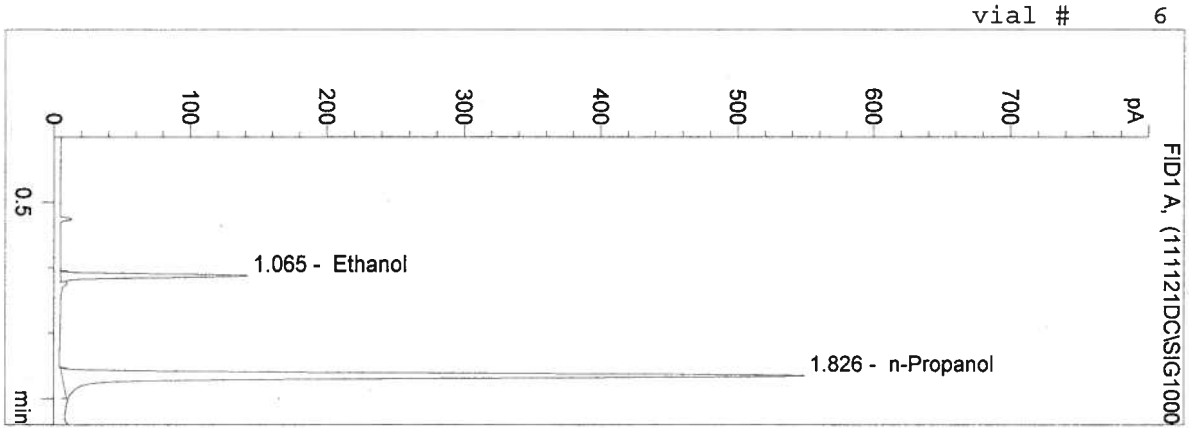
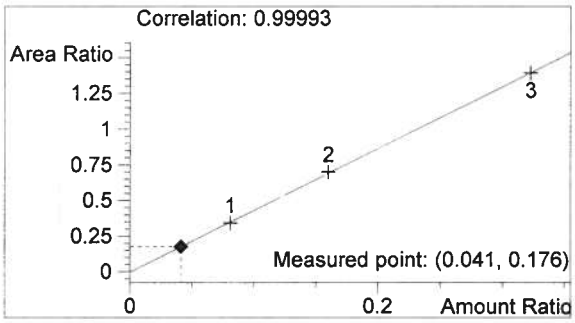
Instrument 3
DB-ALC2

0.04 CTRL-DC
Dawn Cox

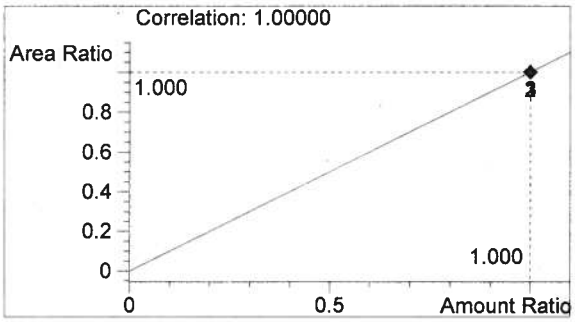
vial # 6



#	Compound	Area	RT
1	Ethanol	267	1.065
2	n-Propanol	1518	1.826
Totals:			



Ethanol 0.041 g/100ml



n-Propanol 1.000 g/100ml

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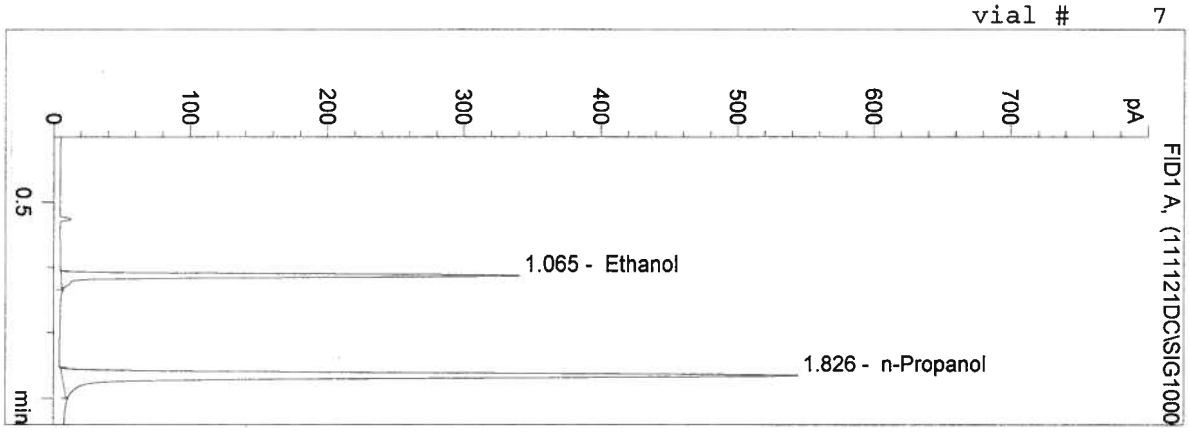
Instrument 3
DB-ALC2

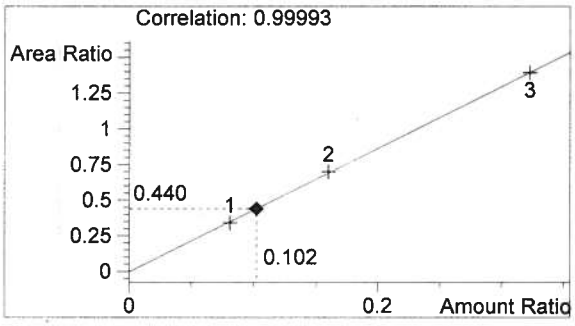
0.10 CTRL-DC
Dawn Cox

vial # 7

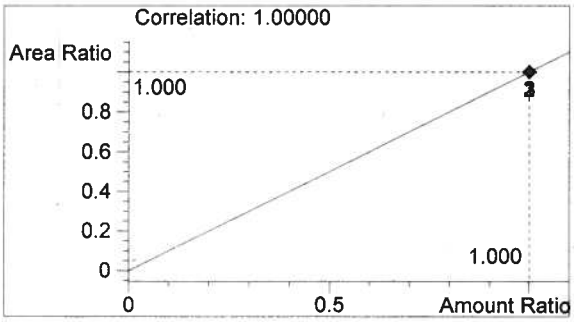


#	Compound	Area	RT
1	Ethanol	660	1.065
2	n-Propanol	1501	1.826

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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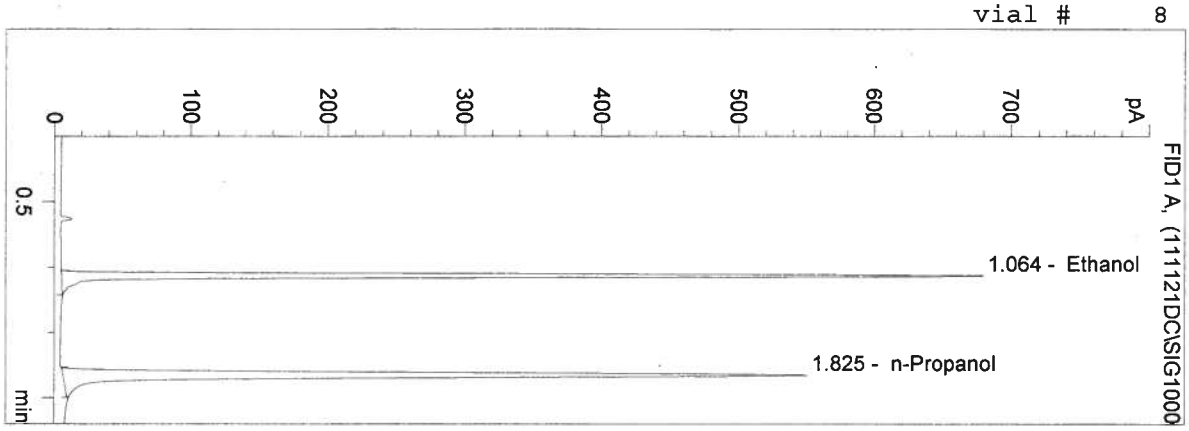
Instrument 3
DB-ALC2

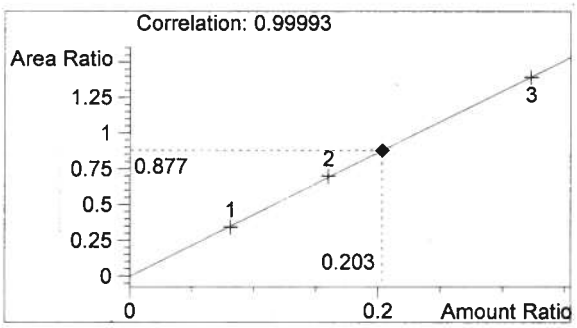
0.20 CTRL-DC
Dawn Cox

vial # 8

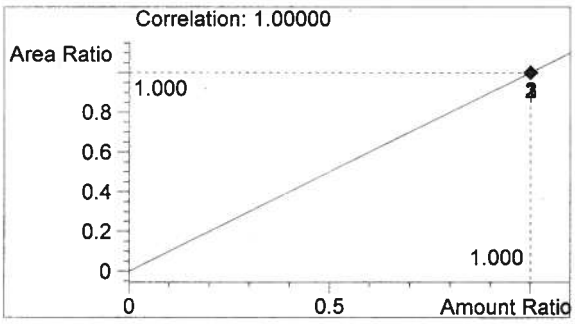


#	Compound	Area	RT
1	Ethanol	1328	1.064
2	n-Propanol	1514	1.825

Totals:



Ethanol 0.203 g/100ml



n-Propanol 1.000 g/100ml

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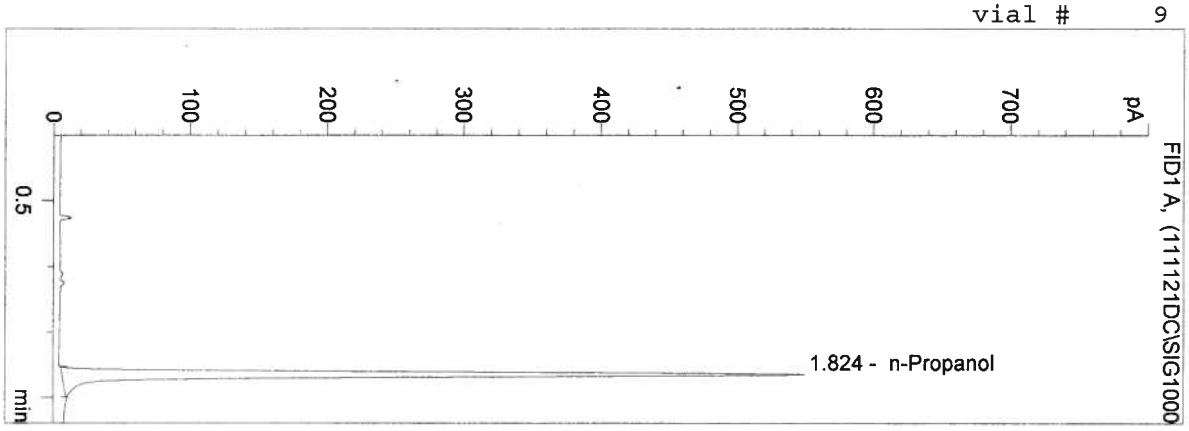
Instrument 3
DB-ALC2

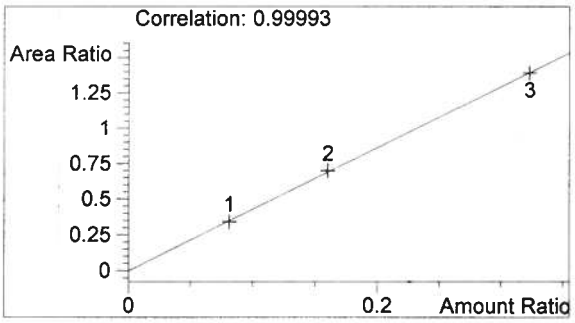
NEG CTRL-DC
Dawn Cox

vial # 9

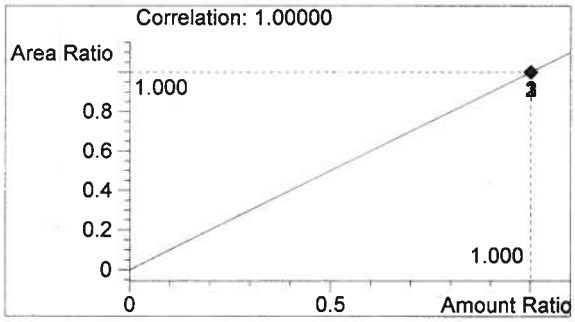


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1514	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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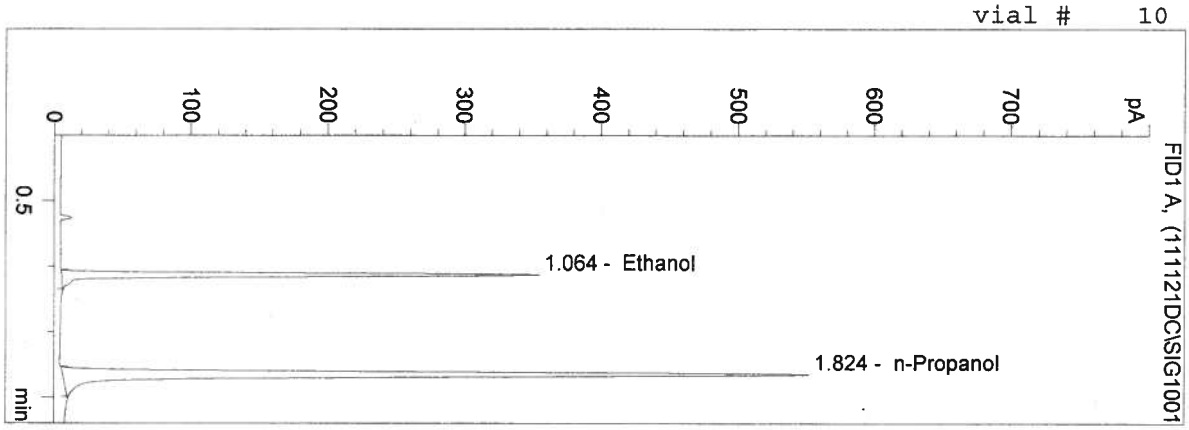
Instrument 3
DB-ALC2

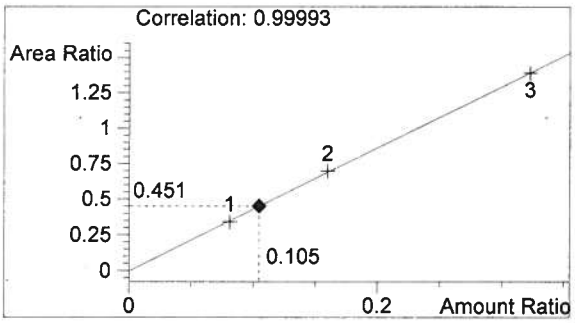
11053 #1
Dawn Cox

vial # 10

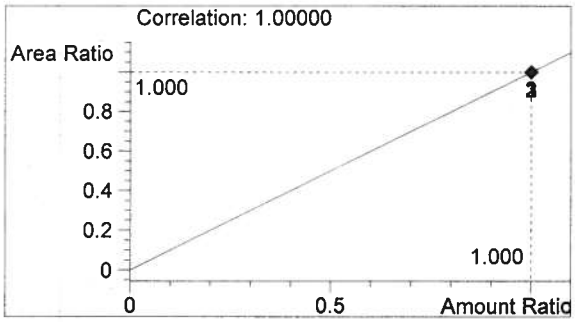


#	Compound	Area	RT
1	Ethanol	684	1.064
2	n-Propanol	1516	1.824

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

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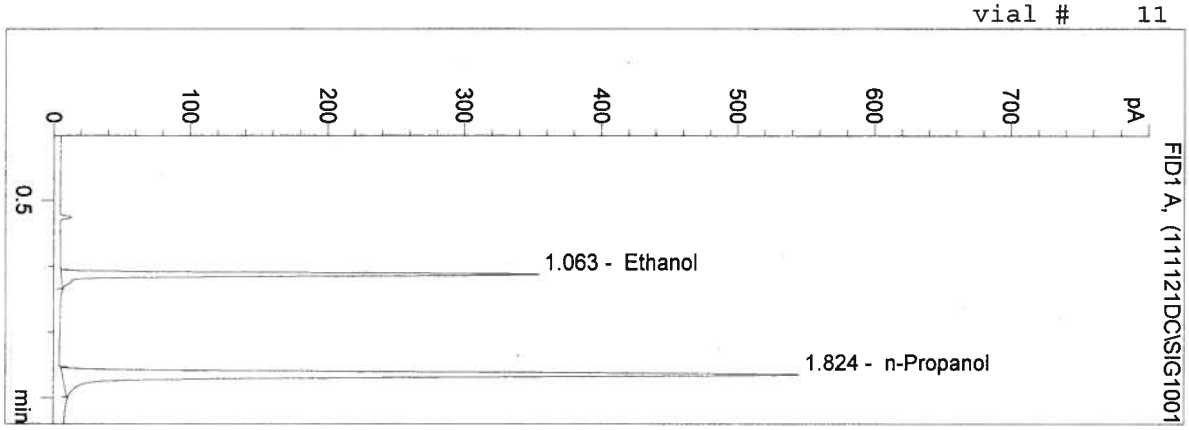
Instrument 3
DB-ALC2

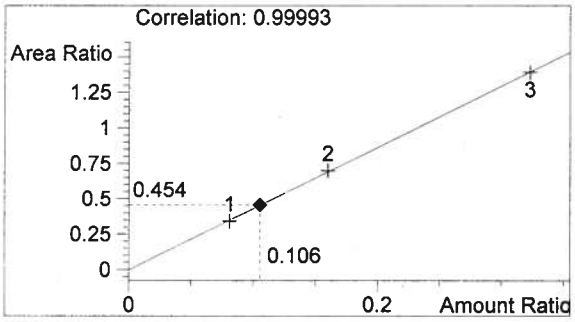
11053 #2
Dawn Cox

vial # 11

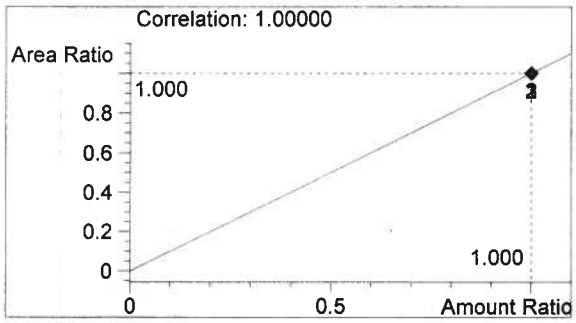


#	Compound	Area	RT
1	Ethanol	679	1.063
2	n-Propanol	1494	1.824

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

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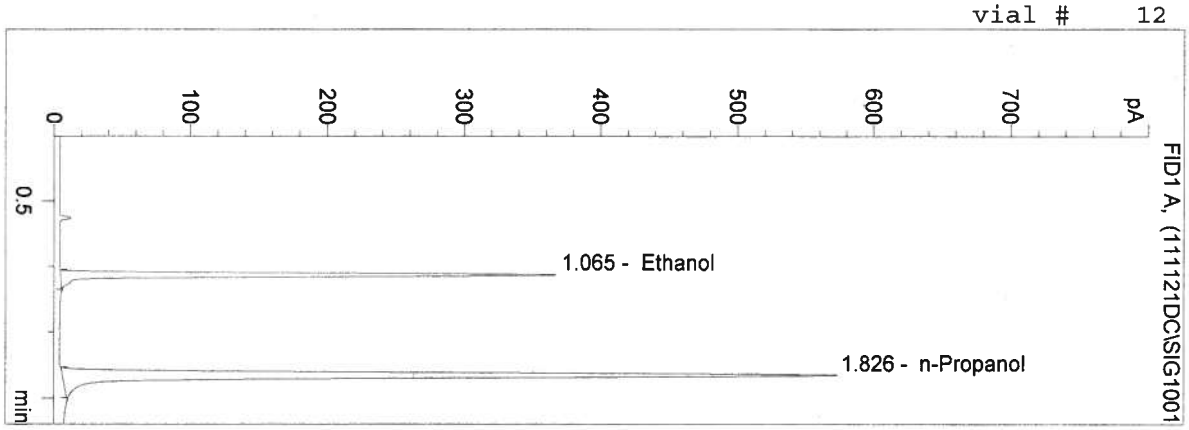
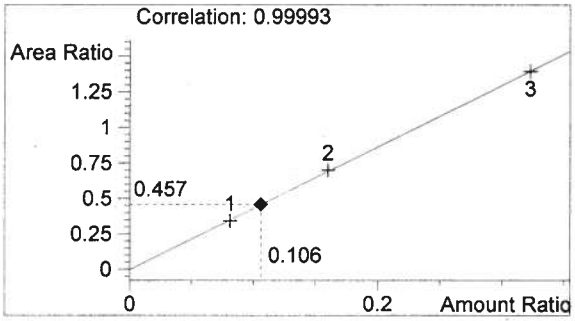
Instrument 3
DB-ALC2

11053 #3
Dawn Cox

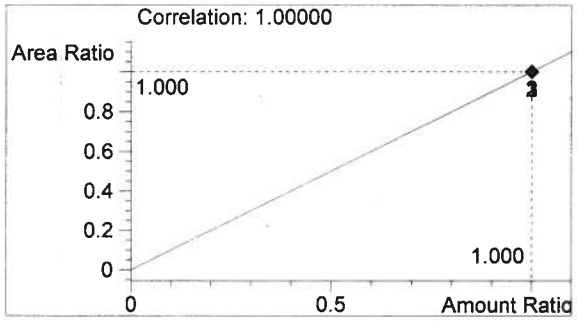
vial # 12



#	Compound	Area	RT
1	Ethanol	722	1.065
2	n-Propanol	1580	1.826
Totals:			



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

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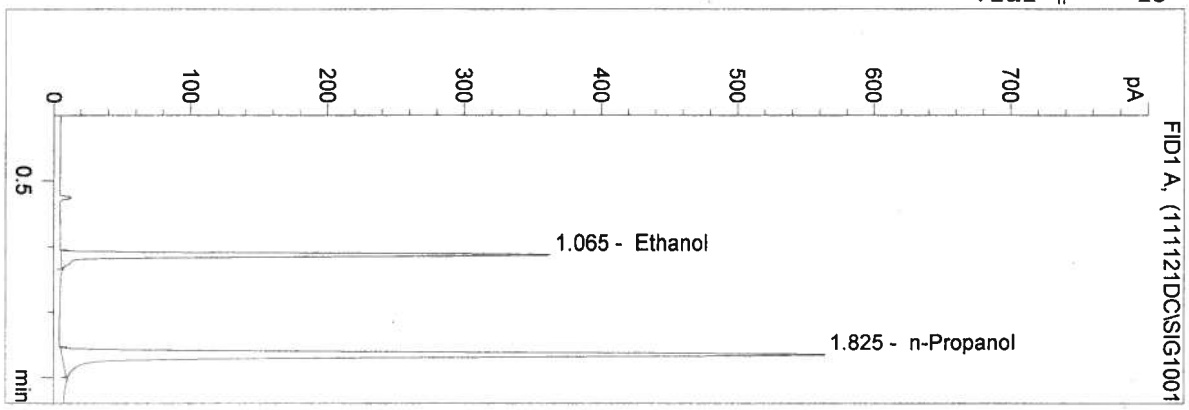
Instrument 3
DB-ALC2

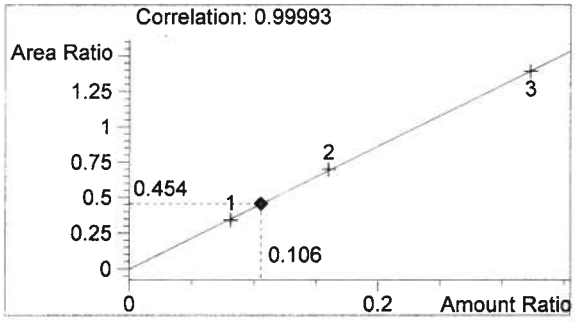
11053 #4
Dawn Cox

vial # 13

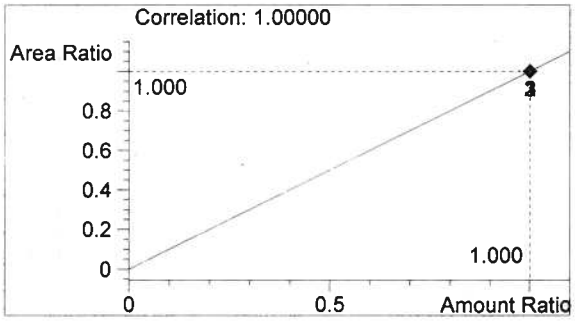


#	Compound	Area	RT
1	Ethanol	704	1.065
2	n-Propanol	1550	1.825

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

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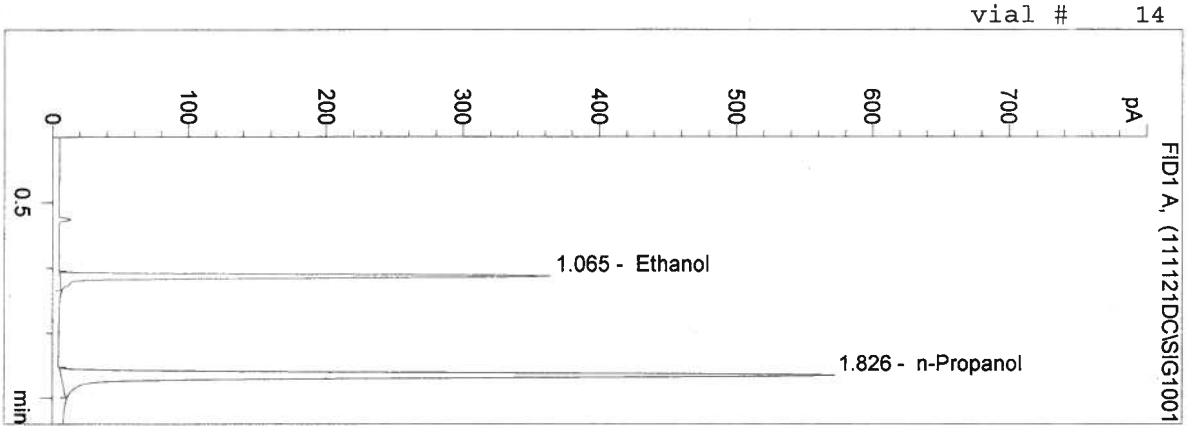
Instrument 3
DB-ALC2

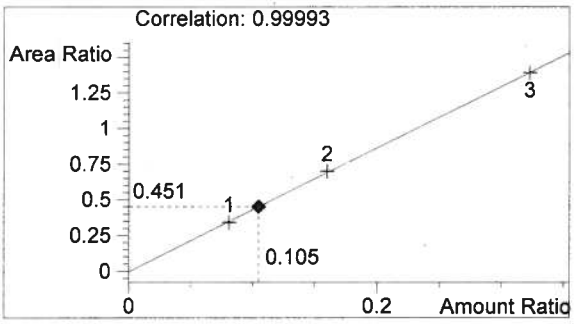
11053 #5
Dawn Cox

vial # 14

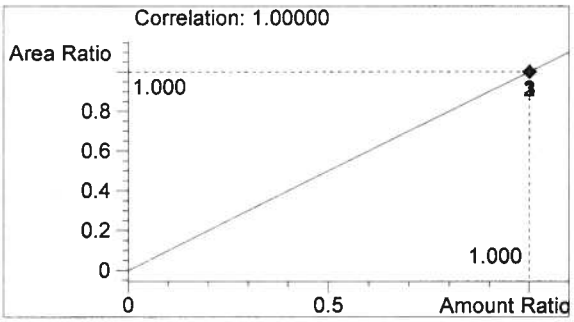


#	Compound	Area	RT
1	Ethanol	714	1.065
2	n-Propanol	1582	1.826

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

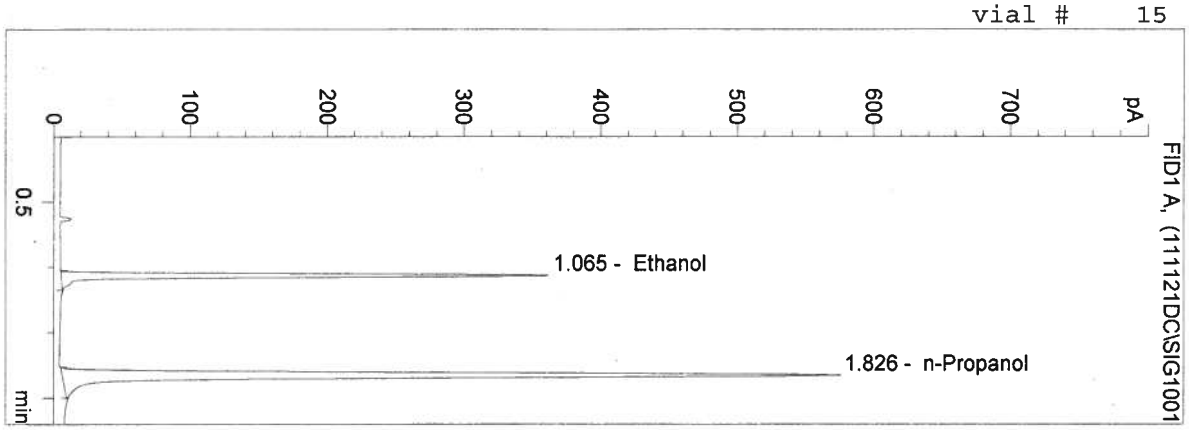
DL

WASHINGTON STATE TOXICOLOGY LABORATORY

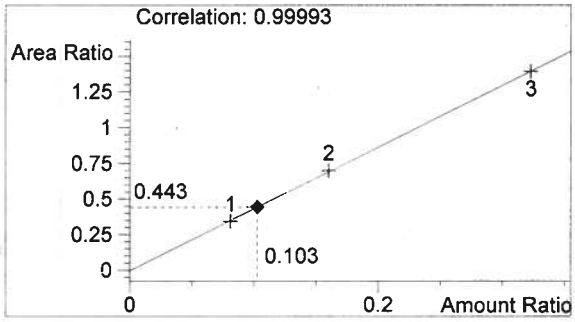
C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 3:01:15 PM
Instrument 3
DB-ALC2

0.10 CTRL-DC
Dawn Cox

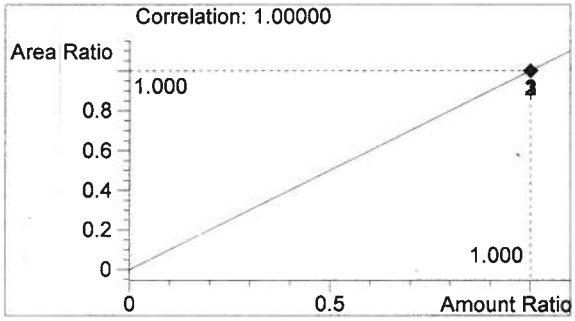
vial # 15



#	Compound	Area	RT
1	Ethanol	702	1.065
2	n-Propanol	1587	1.826
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

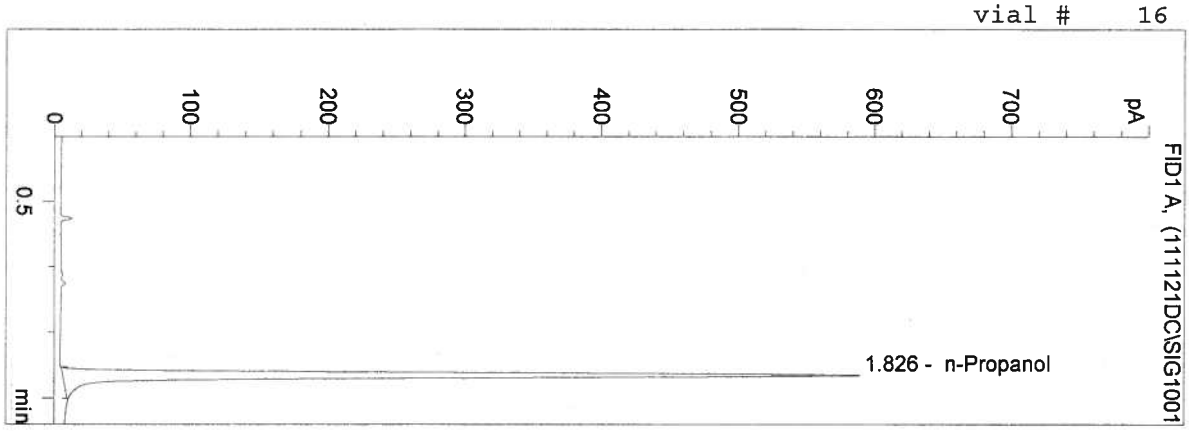
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/21/2011 3:04:22 PM
Instrument 3
DB-ALC2

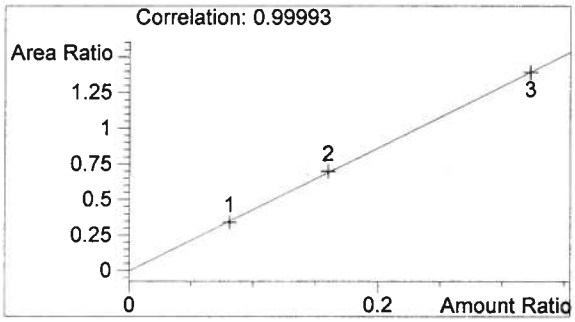
NEG CTRL-DC
Dawn Cox

vial # 16

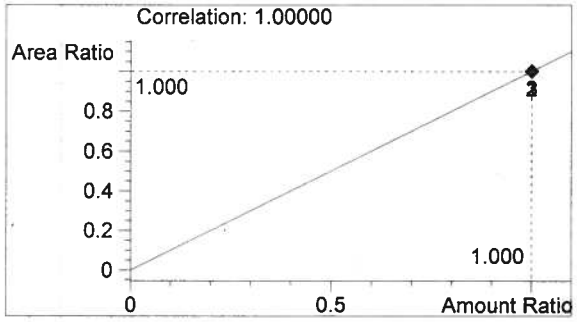


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1627	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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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:	111122A1
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
realiquote
cal 1 e0911-01 exp 12/05/2011
cal 2 e0911-02 exp 12/05/2011
cal 3 e0911-03 exp 12/05/2011
0.04 control lot# a075264 exp 10/2014
0.10 control lot# a075806 exp 11/2014
0.20 control lot# a076521 exp 12/2014

2011 11 22

2011 1209

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	11053 #1	SIMALC3	1	Sample		
11	Vial 11	11053 #2	SIMALC3	1	Sample		
12	Vial 12	11053 #3	SIMALC3	1	Sample		
13	Vial 13	11053 #4	SIMALC3	1	Sample		
14	Vial 14	11053 #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		

11053

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

Sequence Table (Back Injector):

No entries - empty table!

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Calibration Table

Calib. Data Modified : Tuesday, November 22, 2011 8:47:47 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]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.065	1	1	8.12800e-2	543.89728	1.49440e-4	1		Ethanol
		2	1.60090e-1	1054.97656	1.51747e-4			
		3	3.22750e-1	2108.55933	1.53067e-4			
1.826	1	1	1.00000	1524.13867	6.56108e-4	I1		n-Propanol
		2	1.00000	1517.18225	6.59117e-4			
		3	1.00000	1518.43726	6.58572e-4			

Peak Sum Table

No Entries in table

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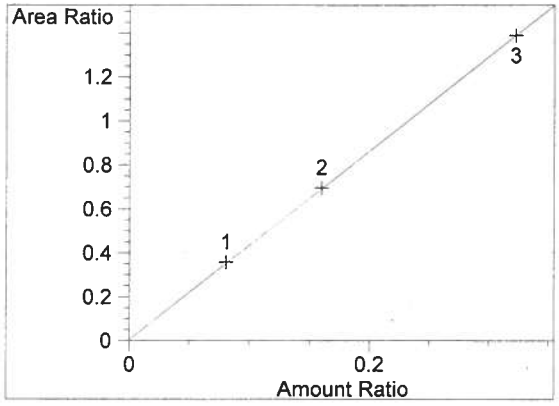
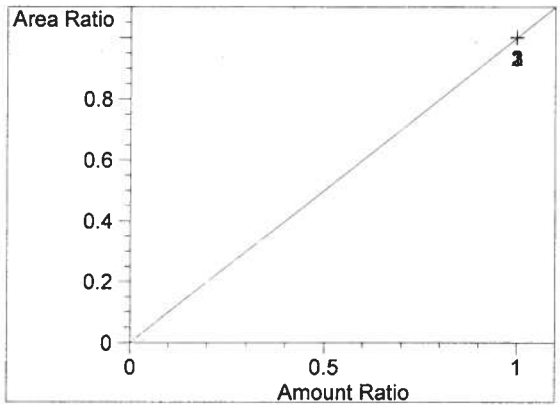
Calibration Curves

==========



Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00477
Formula: y = mx + b
m: 4.29721
b: 4.17642e-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

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M
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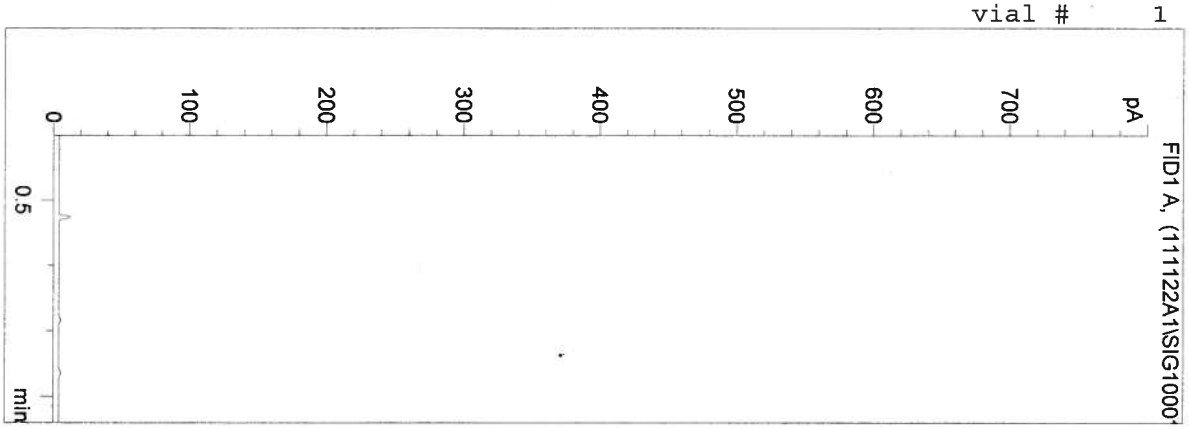
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 8:36:13 AM
Instrument 3
DB-ALC2

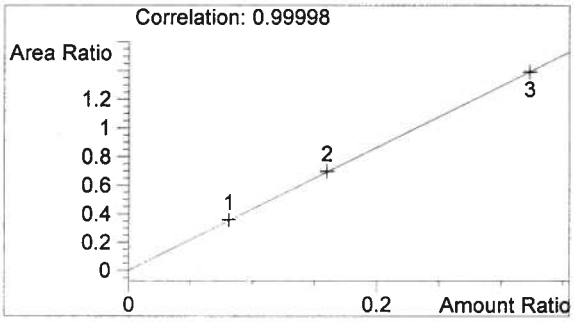
blank
asa louis

vial # 1

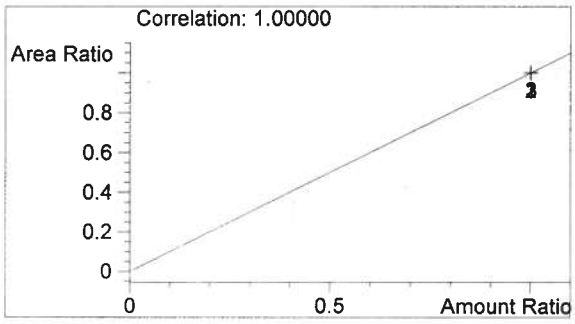


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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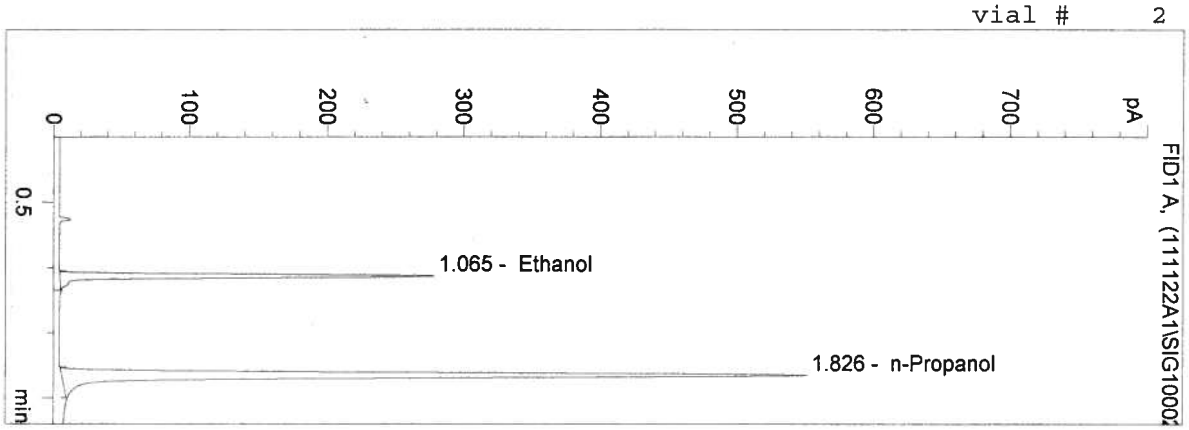
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 8:39:20 AM
Instrument 3
DB-ALC2

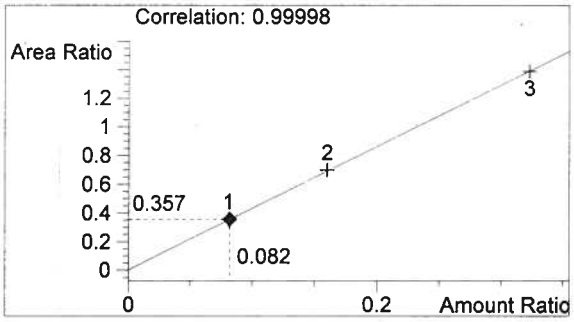
0.079 cal 1
asa louis

vial # 2

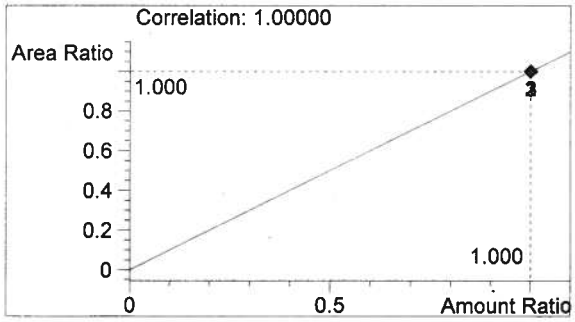


#	Compound	Area	RT
1	Ethanol	544	1.065
2	n-Propanol	1524	1.826

Totals:



Ethanol 0.082 g/100ml



n-Propanol 1.000 g/100ml

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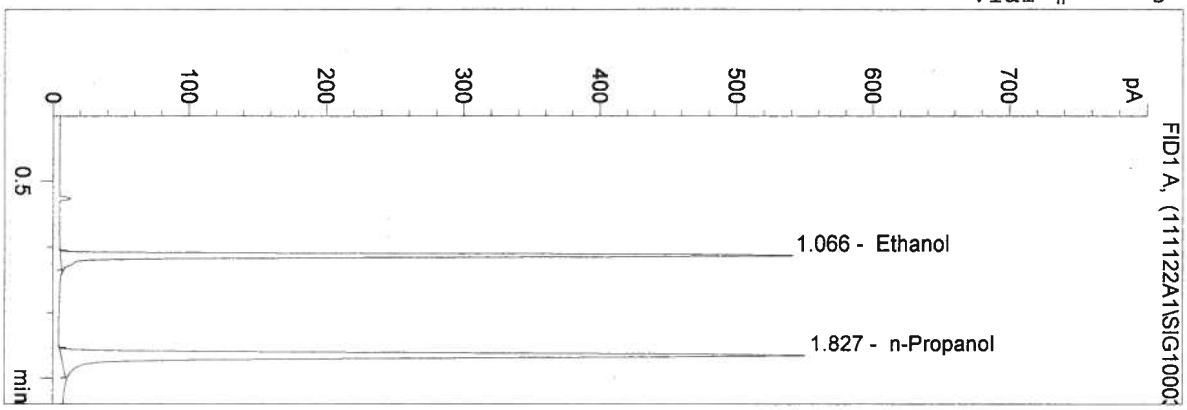
C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 8:42:27 AM
Instrument 3
DB-ALC2

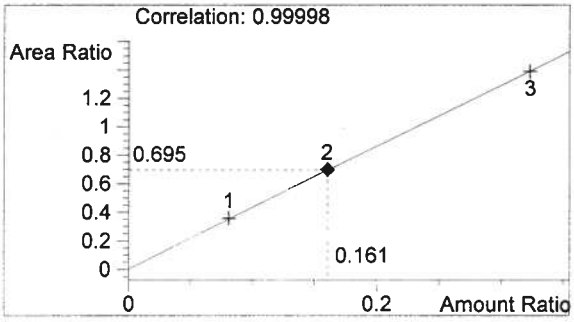
0.158 cal 2
asa louis

vial # 3

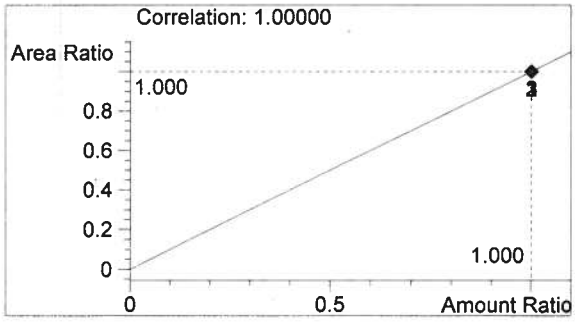


#	Compound	Area	RT
1	Ethanol	1055	1.066
2	n-Propanol	1517	1.827

Totals:



Ethanol 0.161 g/100ml



n-Propanol 1.000 g/100ml

2011 11 22

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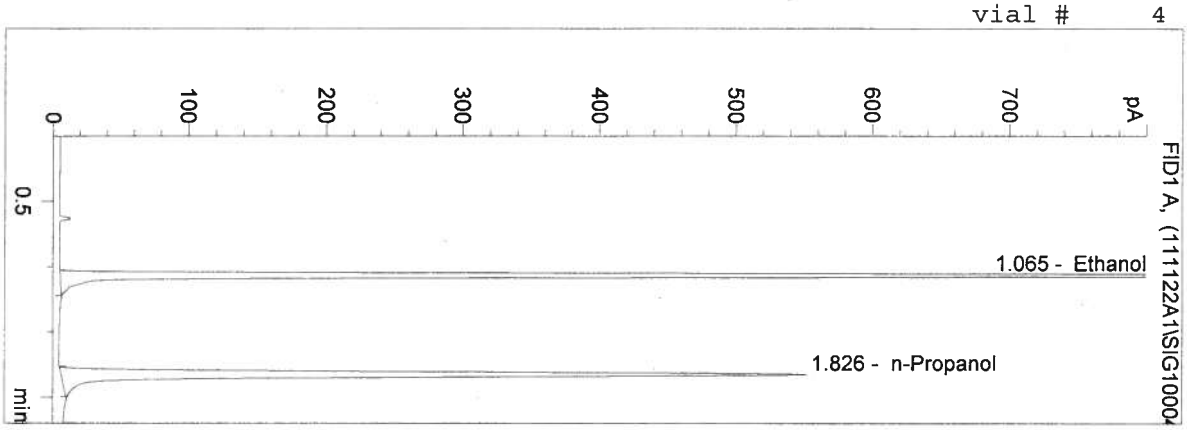
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 8:45:35 AM
Instrument 3
DB-ALC2

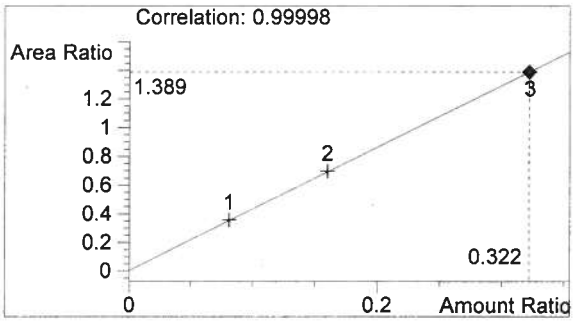
0.316 cal 3
asa louis

vial # 4

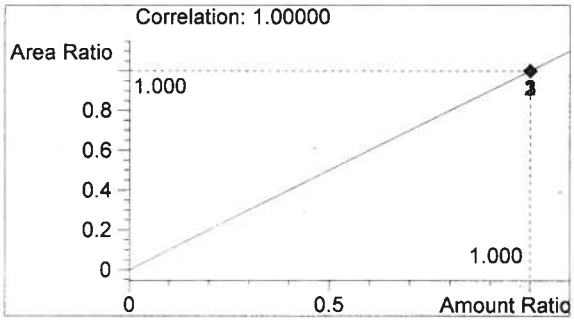


#	Compound	Area	RT
1	Ethanol	2109	1.065
2	n-Propanol	1518	1.826

Totals:



Ethanol 0.322 g/100ml



n-Propanol 1.000 g/100ml

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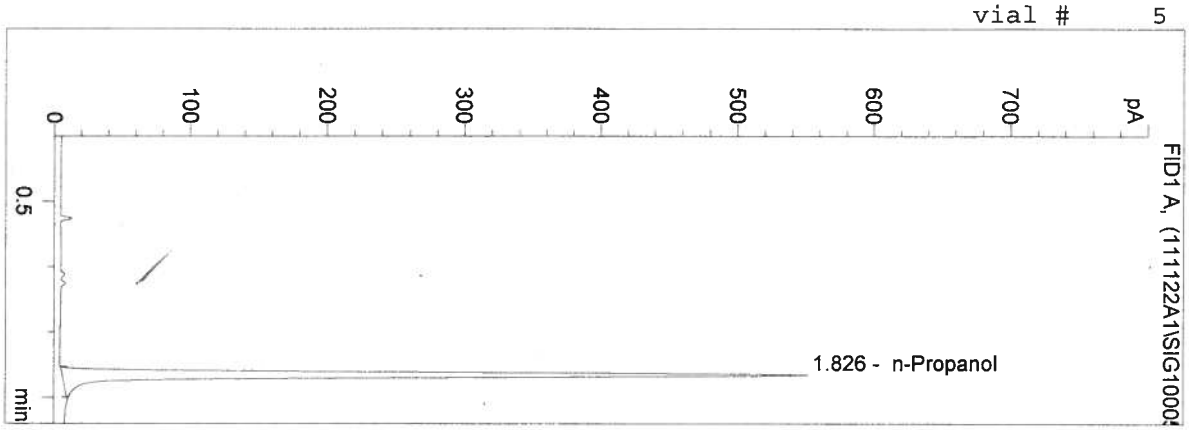
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 8:48:42 AM
Instrument 3
DB-ALC2

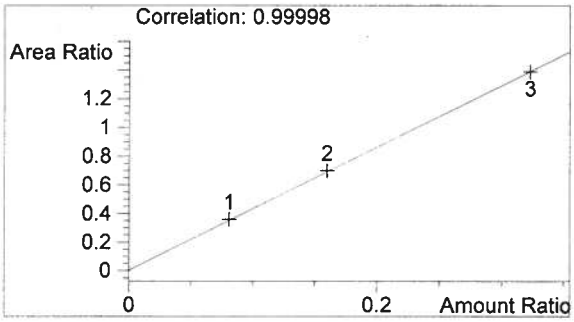
neg control - al
asa louis

vial # 5

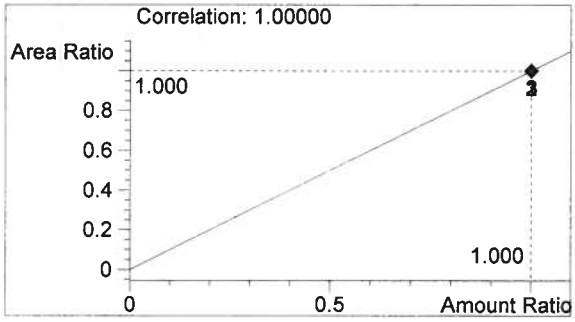


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1521	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

2011 11 22

2011 12 09

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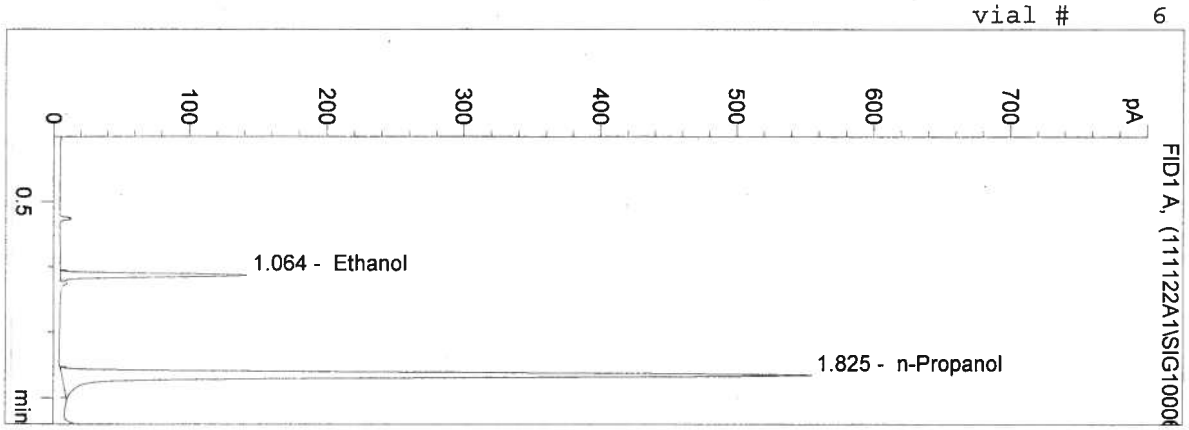
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 8:51:49 AM
Instrument 3
DB-ALC2

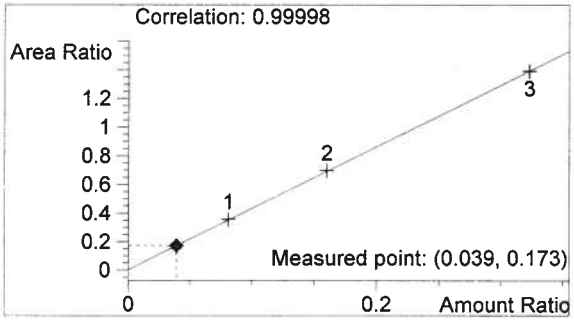
0.04 ctrl al
asa louis

vial # 6

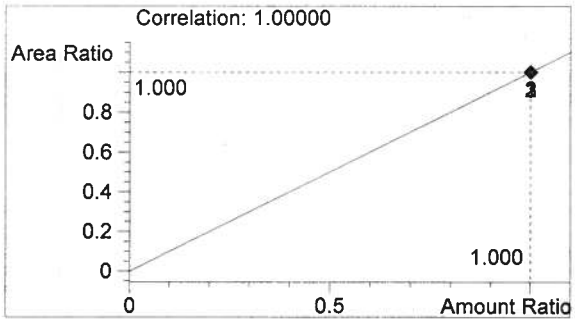


#	Compound	Area	RT
1	Ethanol	265	1.064
2	n-Propanol	1531	1.825

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

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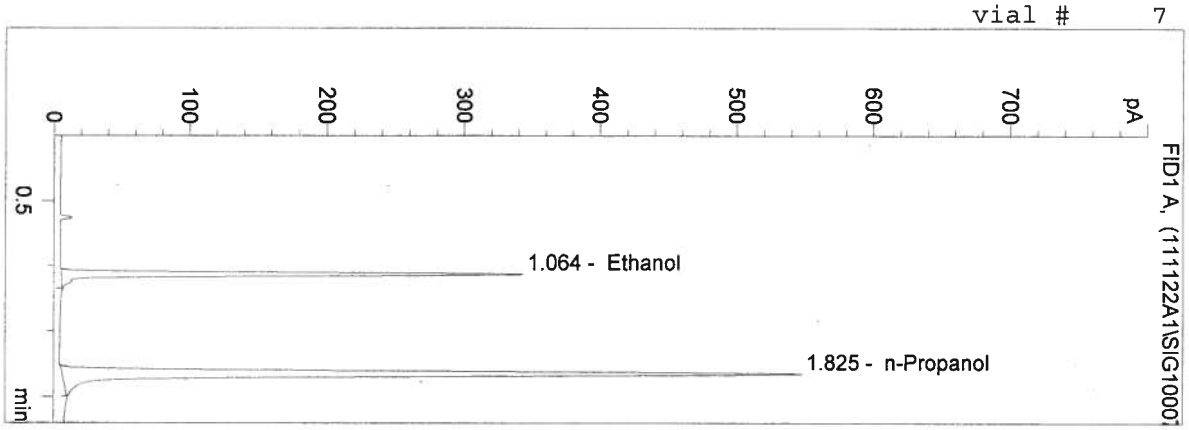
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 8:54:56 AM
Instrument 3
DB-ALC2

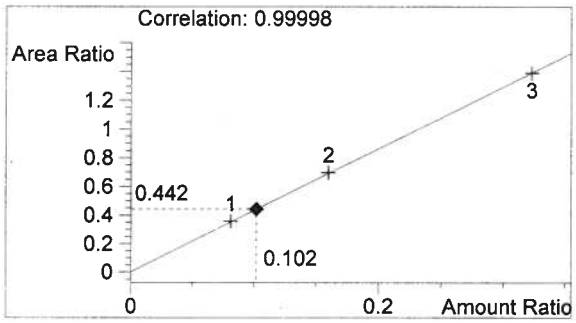
0.10 ctrl al
asa louis

vial # 7

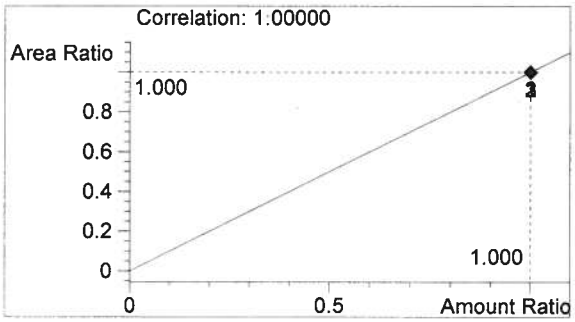


#	Compound	Area	RT
1	Ethanol	667	1.064
2	n-Propanol	1507	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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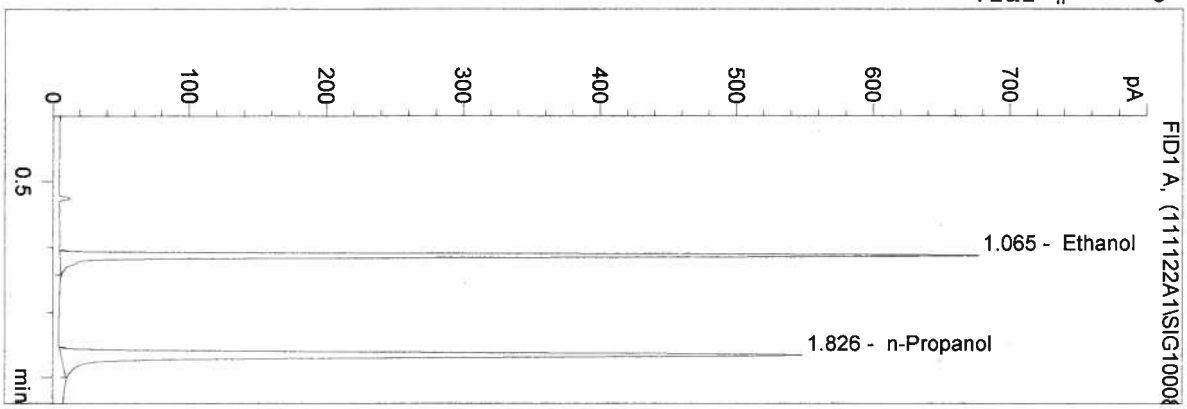
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 8:58:04 AM
Instrument 3
DB-ALC2

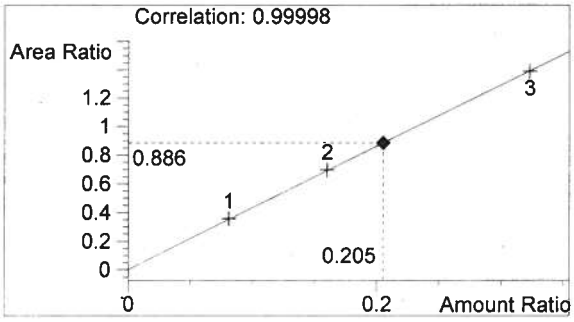
0.20 ctrl al
asa louis

vial # 8

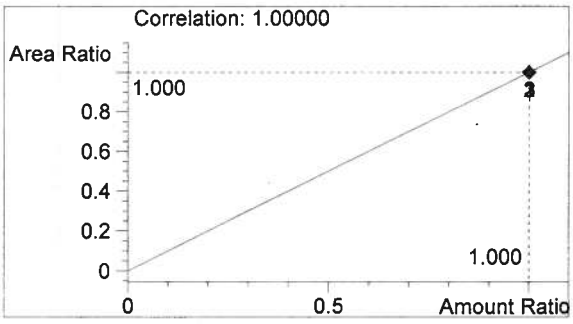


#	Compound	Area	RT
1	Ethanol	1342	1.065
2	n-Propanol	1515	1.826

Totals:



Ethanol 0.205 g/100ml



n-Propanol 1.000 g/100ml

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2011 11 22

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2011 1209

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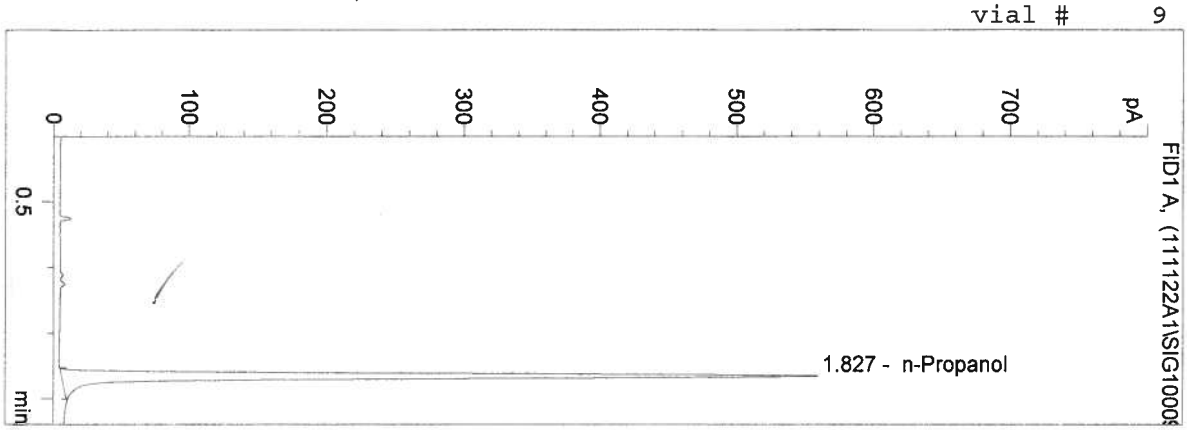
WASHINGTON STATE TOXICOLOGY LABORATORY

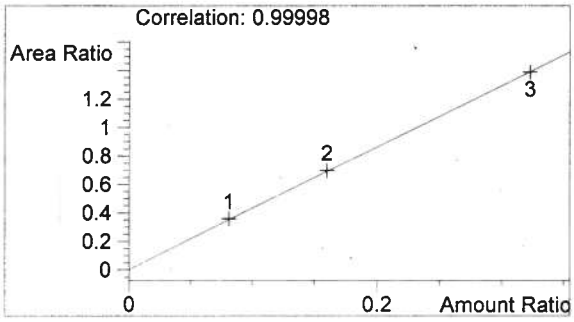
C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 9:01:11 AM
Instrument 3
DB-ALC2

neg control - al
asa louis

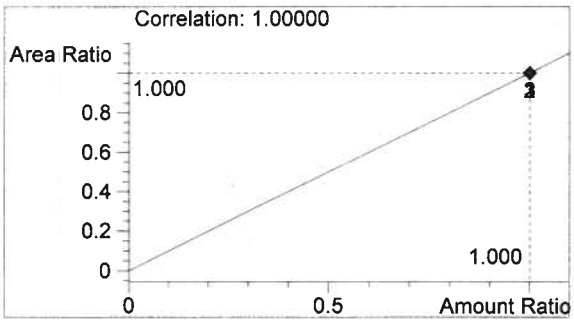
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1547	1.827
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

AL
2011 11 22

AL
2011 12 09

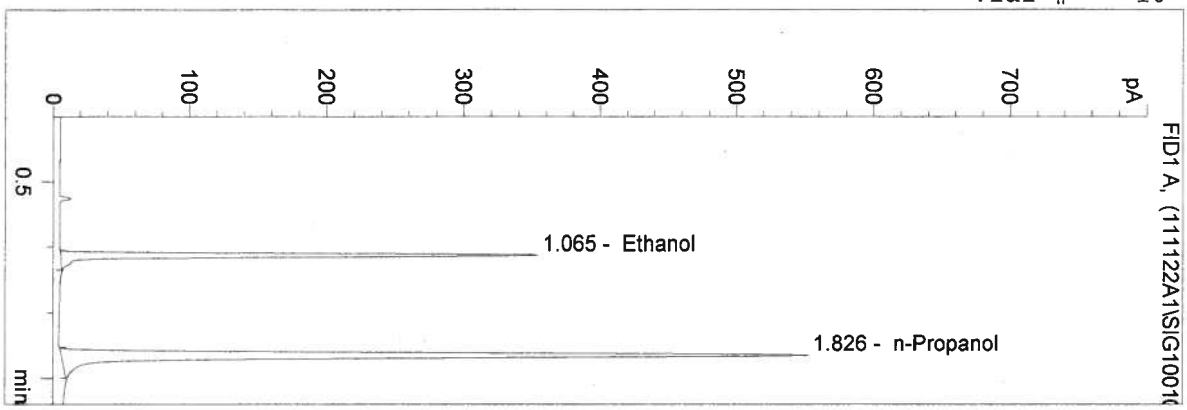
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 9:04:18 AM
Instrument 3
DB-ALC2

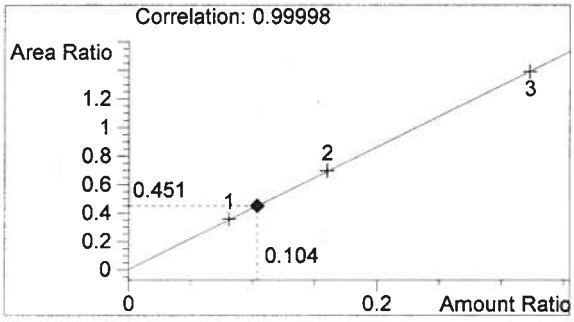
11053 #1
asa louis

vial # 10

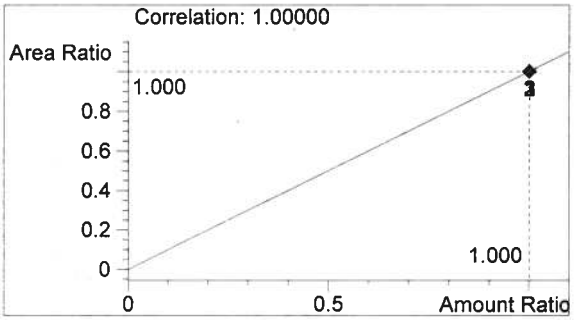


#	Compound	Area	RT
1	Ethanol	688	1.065
2	n-Propanol	1525	1.826

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

AK
2011 11 22

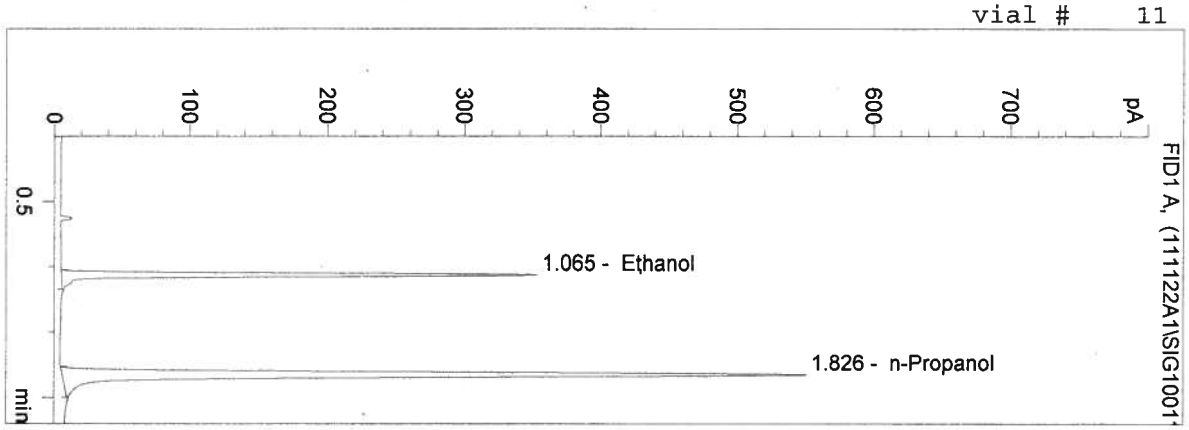
AK
2011 1209

WASHINGTON STATE TOXICOLOGY LABORATORY

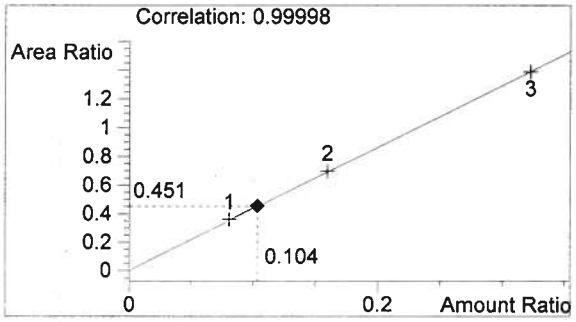
C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 9:07:25 AM
Instrument 3
DB-ALC2

11053 #2
asa louis

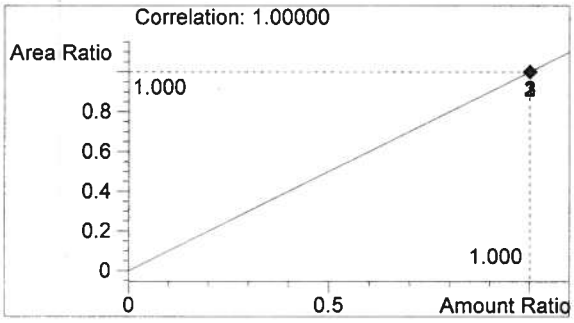
vial # 11



#	Compound	Area	RT
1	Ethanol	684	1.065
2	n-Propanol	1517	1.826
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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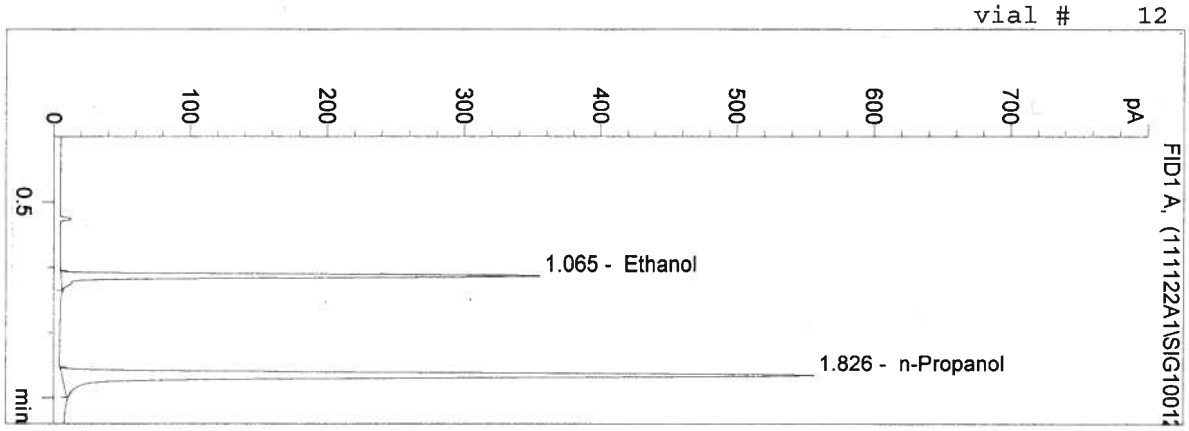
WASHINGTON STATE TOXICOLOGY LABORATORY

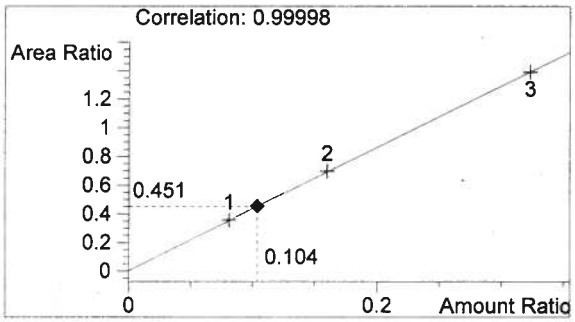
C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 9:10:32 AM
Instrument 3
DB-ALC2

11053 #3
asa louis

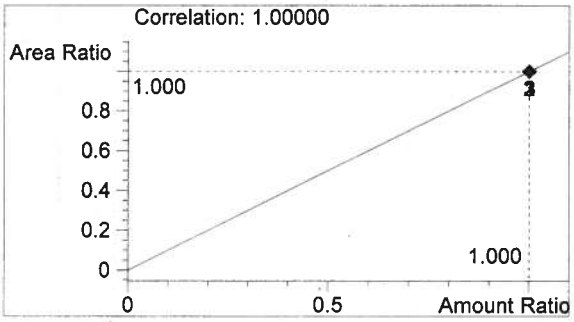
vial # 12



#	Compound	Area	RT
1	Ethanol	692	1.065
2	n-Propanol	1533	1.826
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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2011 1122

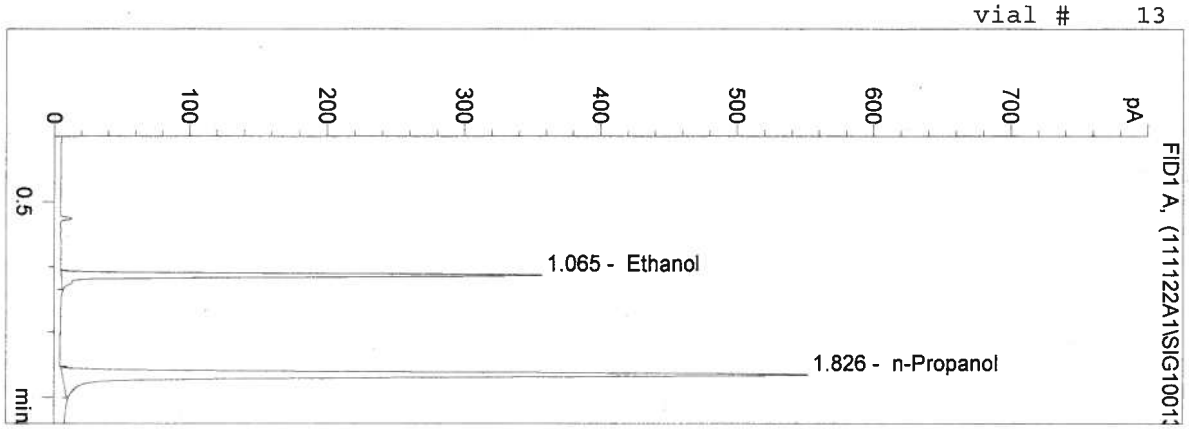
AL
2011 1209

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 9:13:40 AM
Instrument 3
DB-ALC2

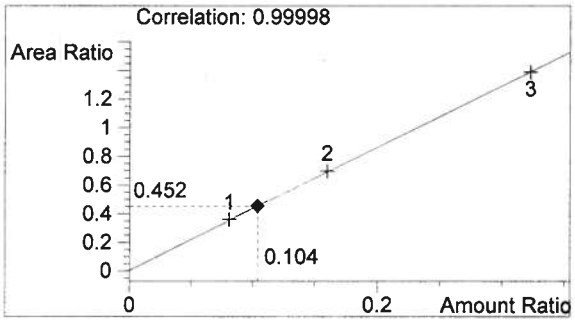
11053 #4
asa louis

vial # 13

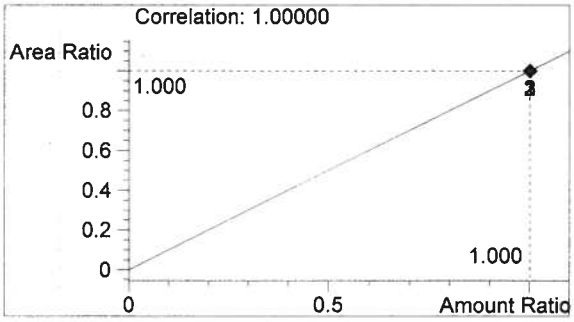


#	Compound	Area	RT
1	Ethanol	685	1.065
2	n-Propanol	1517	1.826

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

AL
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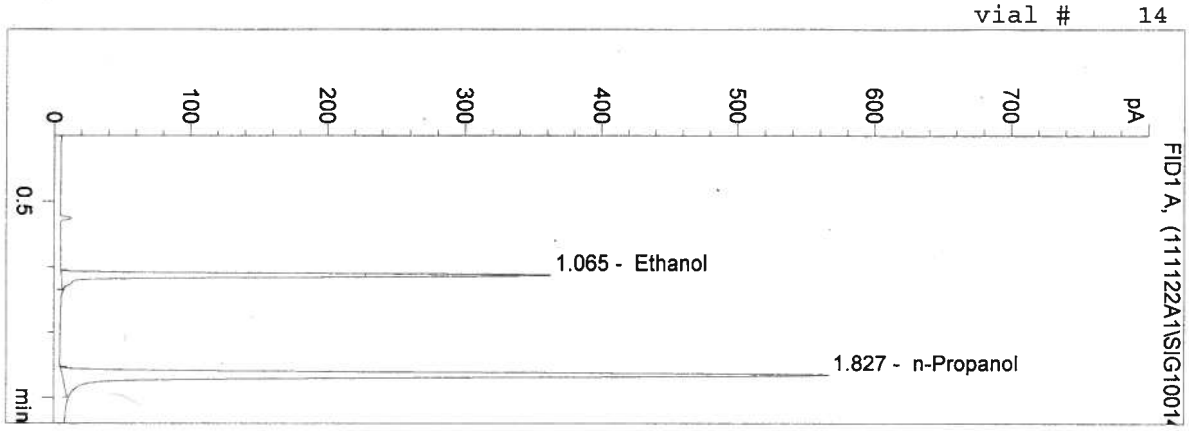
2011 1209

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/22/2011 9:16:47 AM
Instrument 3
DB-ALC2

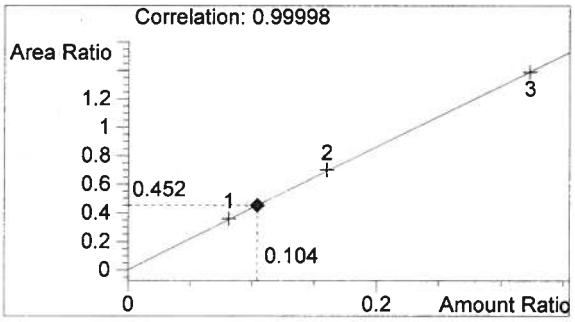
11053 #5
asa louis

vial # 14

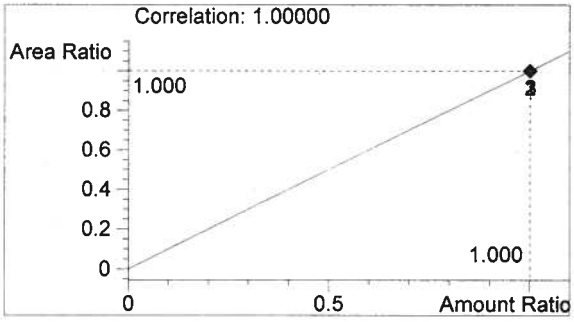


#	Compound	Area	RT
1	Ethanol	707	1.065
2	n-Propanol	1564	1.827

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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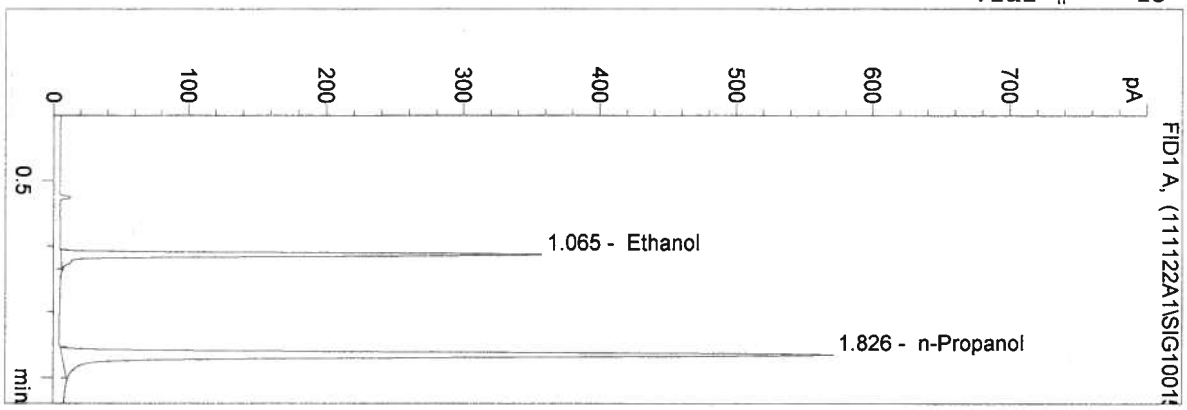
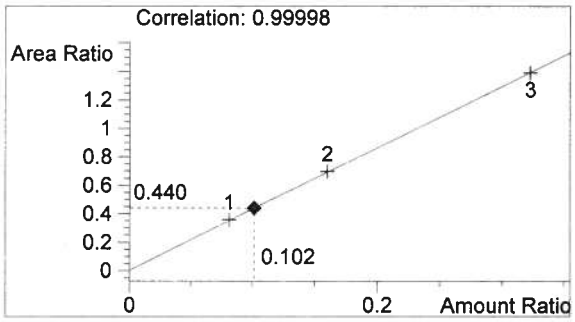
11/22/2011 9:19:54 AM
Instrument 3
DB-ALC2

0.10 ctrl al
asa louis

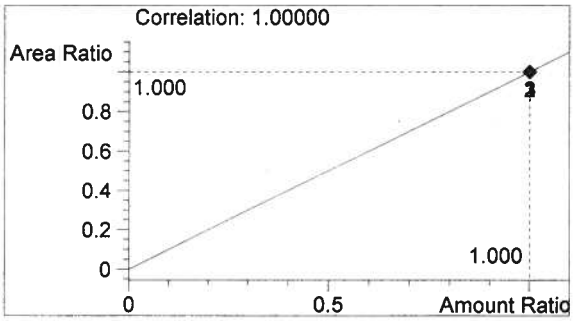
vial # 15



#	Compound	Area	RT
1	Ethanol	696	1.065
2	n-Propanol	1579	1.826
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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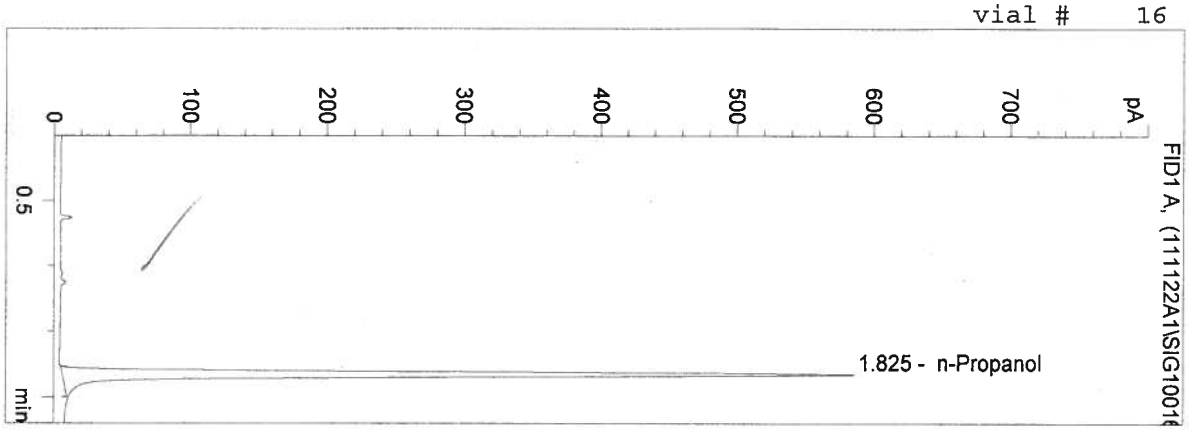
11/22/2011 9:23:02 AM
Instrument 3
DB-ALC2

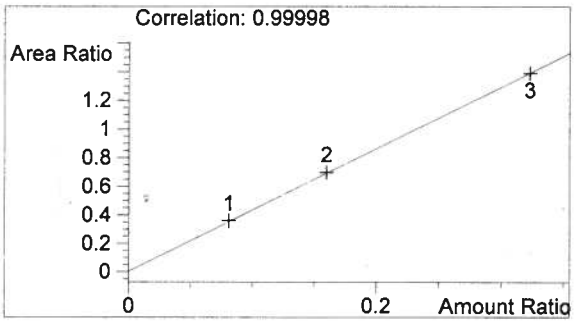
neg control - al
asa louis

vial # 16

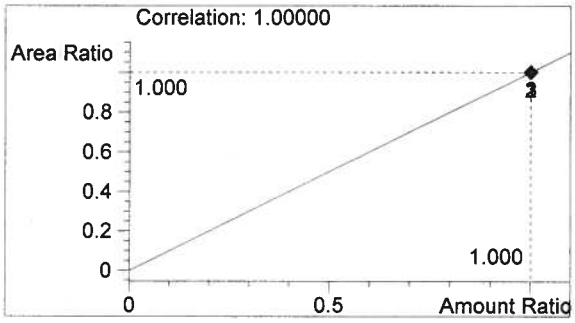


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1609	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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2011 1122

11053

AL
2011 1209

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:	111129BO
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:E0911-01
3	Vial 3	Lot:E0911-02
4	Vial 4	Lot:E0911-03
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	

11053

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	11053 #1	SIMALC3	1	Sample		
11	Vial 11	11053 #2	SIMALC3	1	Sample		
12	Vial 12	11053 #3	SIMALC3	1	Sample		
13	Vial 13	11053 #4	SIMALC3	1	Sample		
14	Vial 14	11053 #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!

11053

BW

Calibration Table

Calib. Data Modified : Tuesday, November 29, 2011 10:51:28 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
1.068	1	1	8.12800e-2	521.05963	1.55990e-4		1	Ethanol
		2	1.60090e-1	1059.84619	1.51050e-4			
		3	3.22750e-1	2358.02588	1.36873e-4			
1.833	1	1	1.00000	1502.06726	6.65749e-4	I1		n-Propanol
		2	1.00000	1494.51208	6.69115e-4			
		3	1.00000	1667.15198	5.99825e-4			

Peak Sum Table

No Entries in table

11053

BEO

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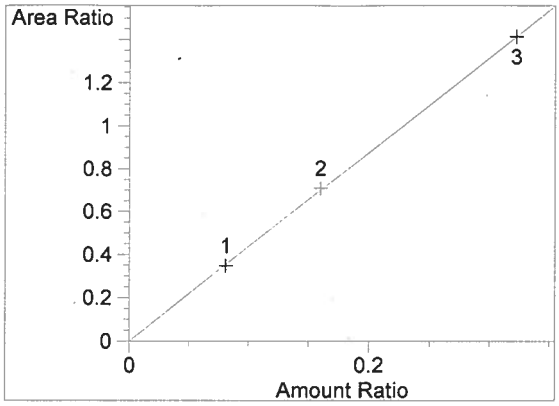
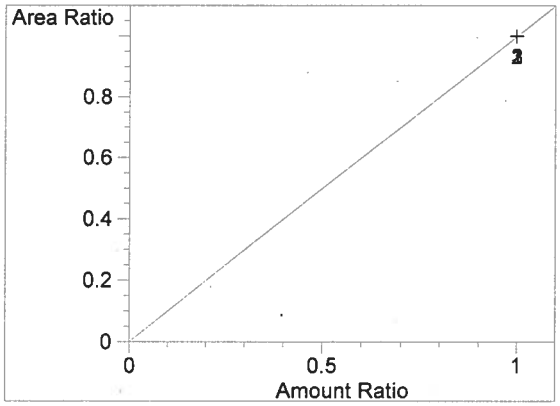
Calibration Curves

==========



Ethanol at exp. RT: 1.068
FID1 A,
Correlation: 0.99994
Residual Std. Dev.: 0.00821
Formula: y = mx + b
m: 4.39467
b: -2.16637e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.833
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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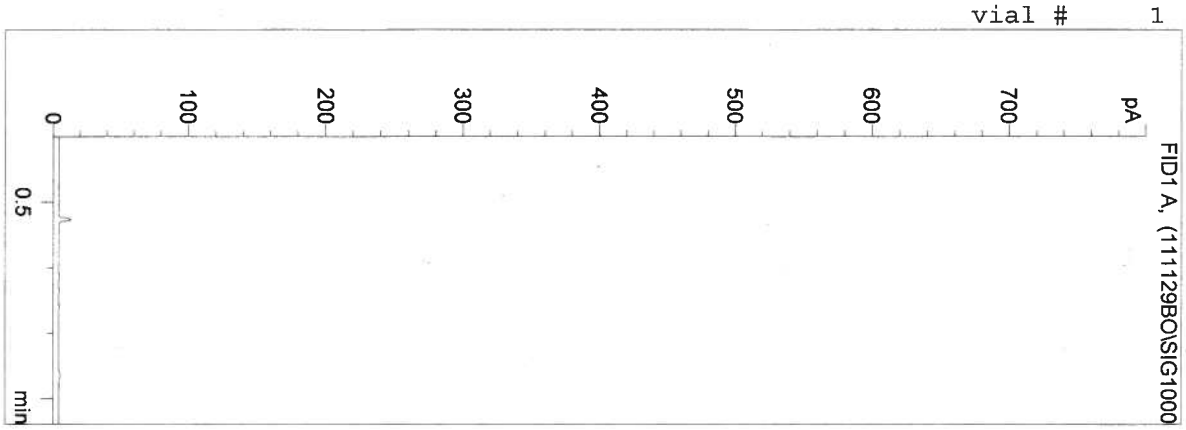
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 10:39:53 AM
Instrument 3
DB-ALC2

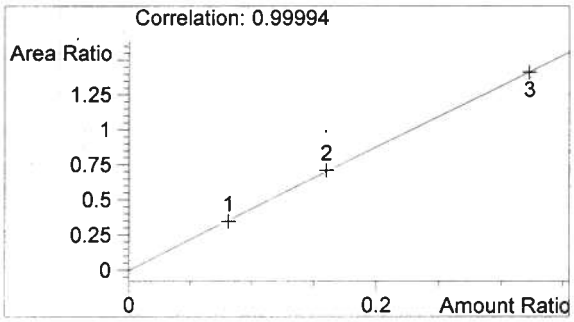
BLANK
Brianne E. O'Reilly

vial # 1

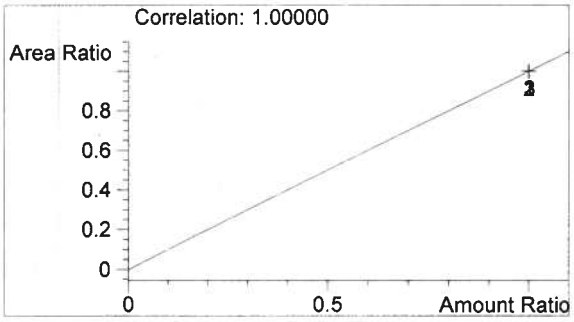


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

11053

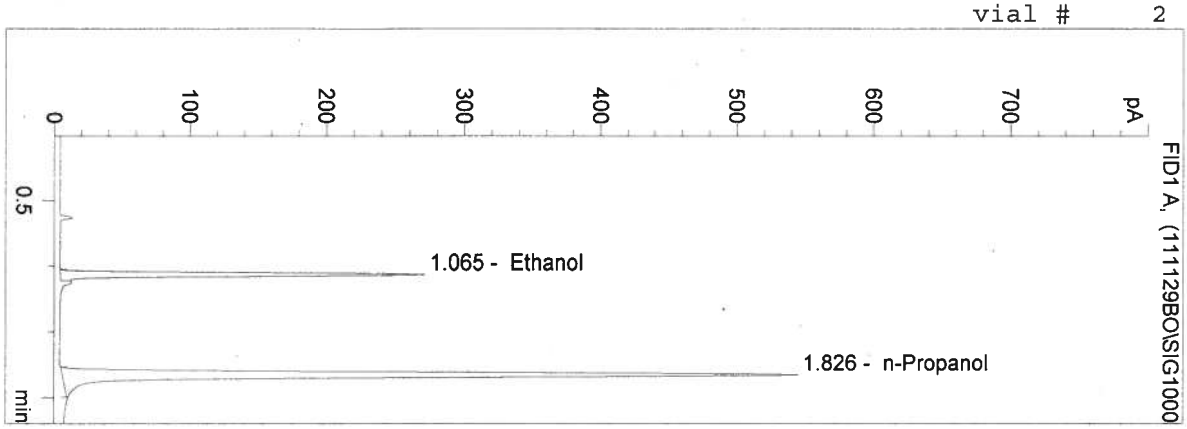
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 10:43:01 AM
Instrument 3
DB-ALC2

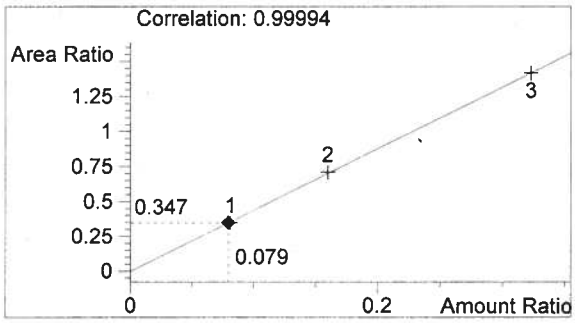
0.079 CAL 1
Brianne E. O'Reilly

vial # 2

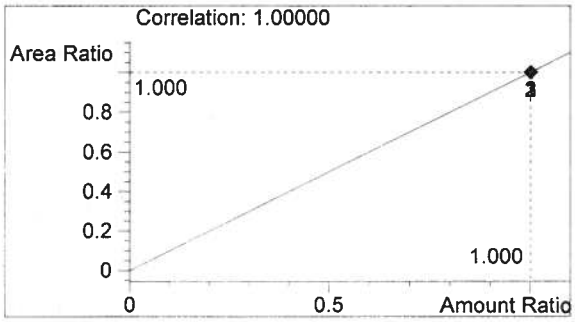


#	Compound	Area	RT
1	Ethanol	521	1.065
2	n-Propanol	1502	1.826

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

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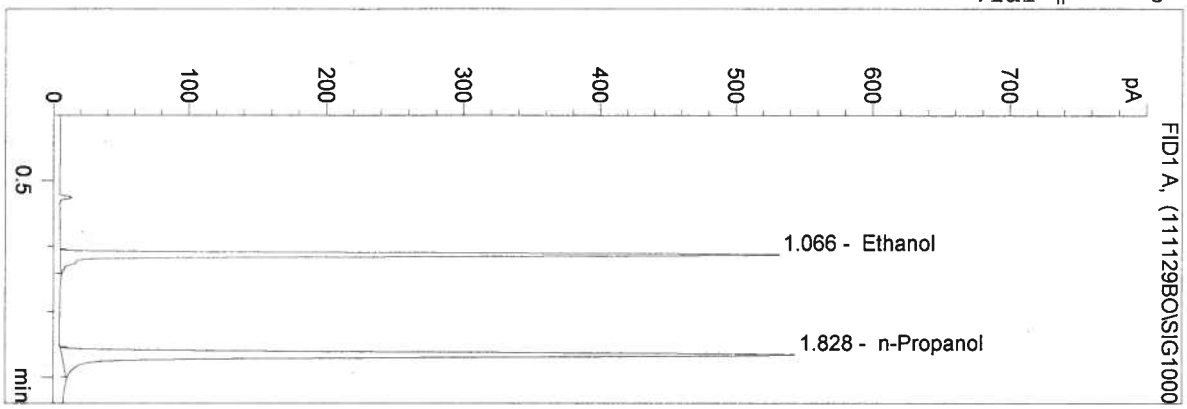
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 10:46:08 AM
Instrument 3
DB-ALC2

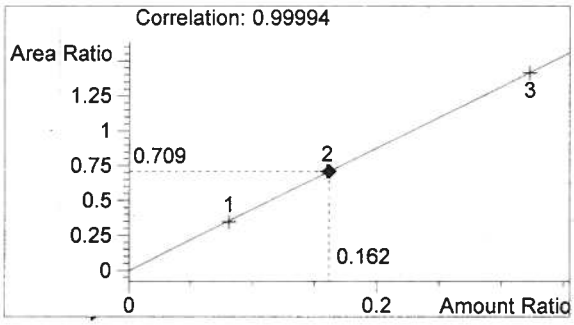
0.158 CAL 2
Brianne E. O'Reilly

vial # 3

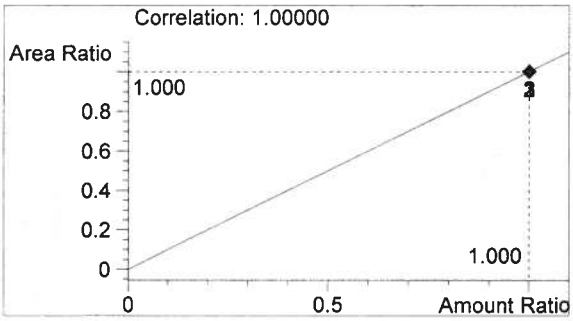


#	Compound	Area	RT
1	Ethanol	1060	1.066
2	n-Propanol	1495	1.828

Totals:



Ethanol 0.162 g/100ml



n-Propanol 1.000 g/100ml

11053

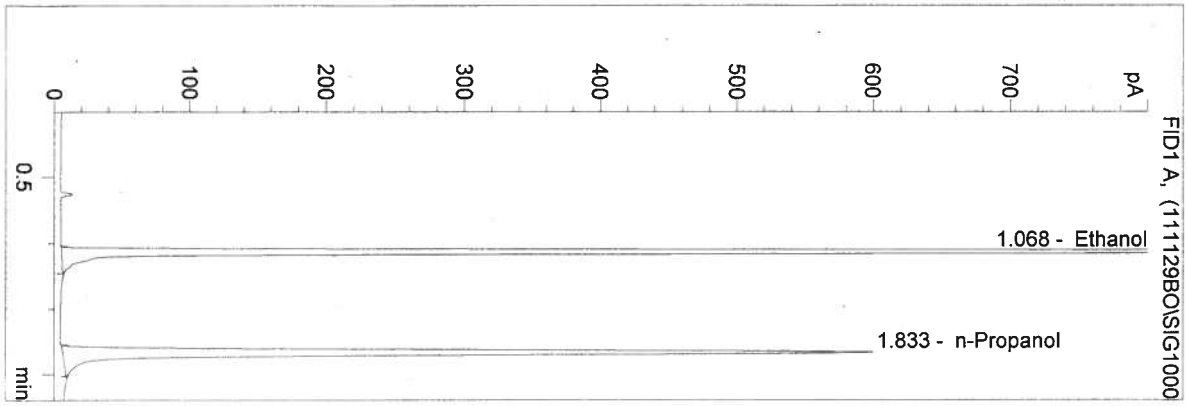
BCW

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 10:49:16 AM
Instrument 3
DB-ALC2

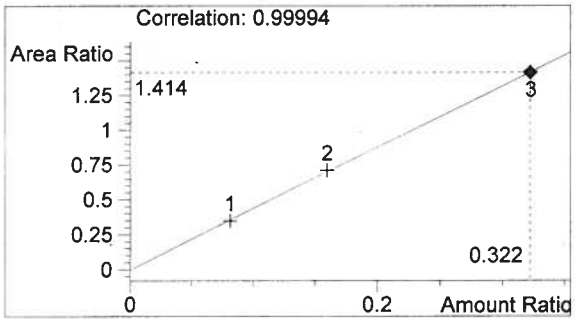
0.316 CAL 3
Brianne E. O'Reilly

vial # 4

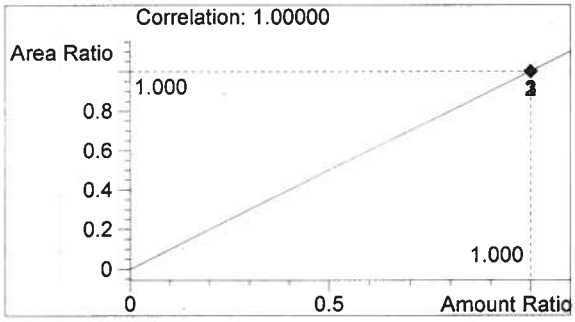


#	Compound	Area	RT
1	Ethanol	2358	1.068
2	n-Propanol	1667	1.833

Totals:



Ethanol 0.322 g/100ml



n-Propanol 1.000 g/100ml

11053

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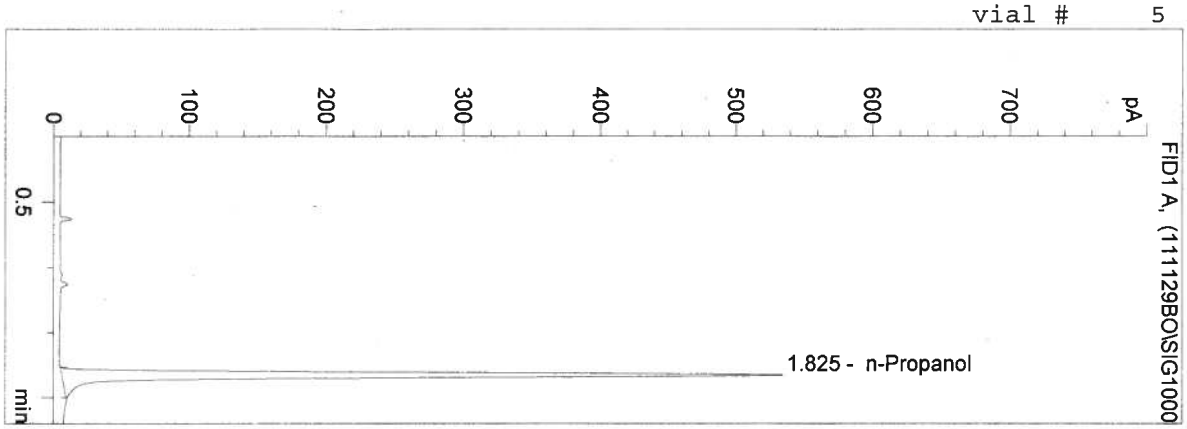
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 10:52:23 AM
Instrument 3
DB-ALC2

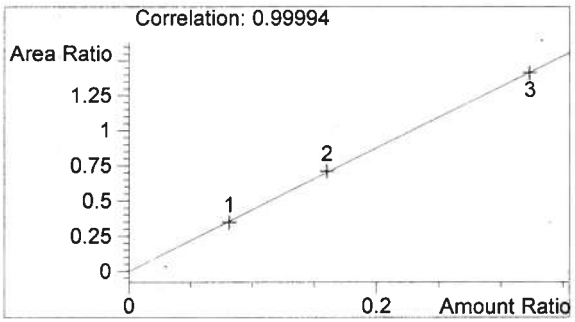
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 5

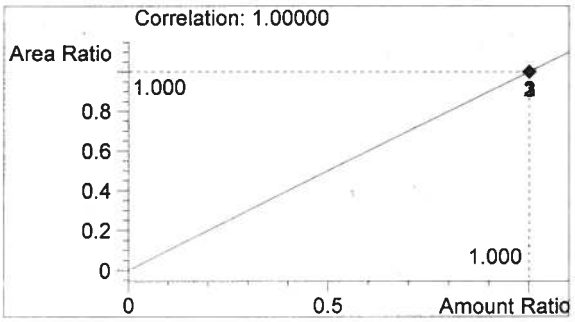


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1473	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11053

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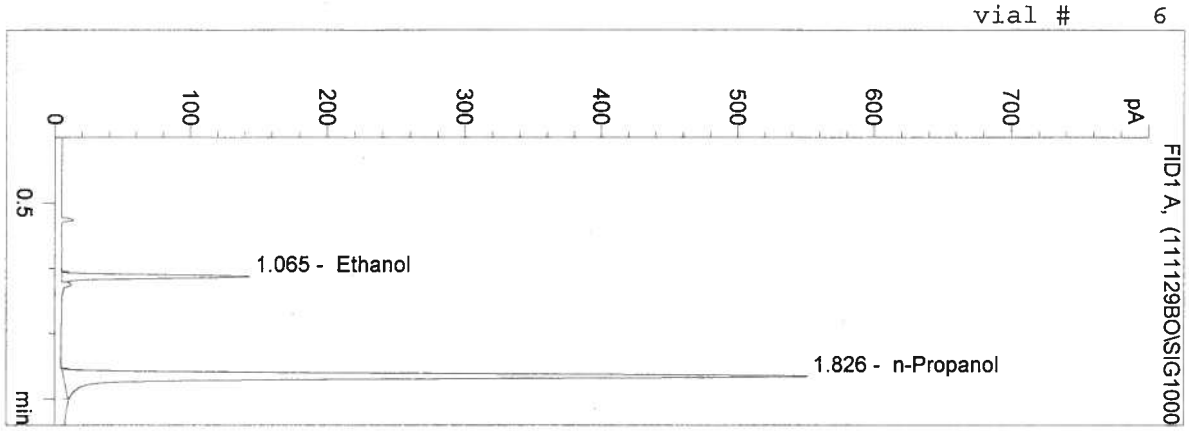
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 10:55:30 AM
Instrument 3
DB-ALC2

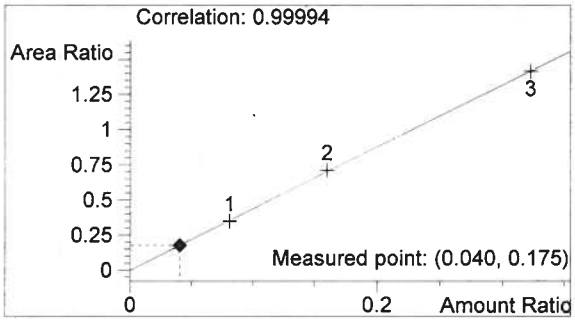
0.04 CONTROL-BO
Brianne E. O'Reilly

vial # 6

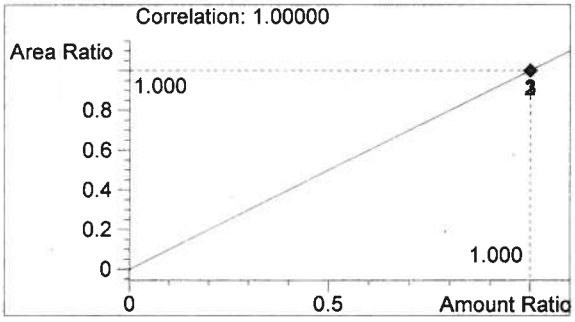


#	Compound	Area	RT
1	Ethanol	267	1.065
2	n-Propanol	1522	1.826

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

11053

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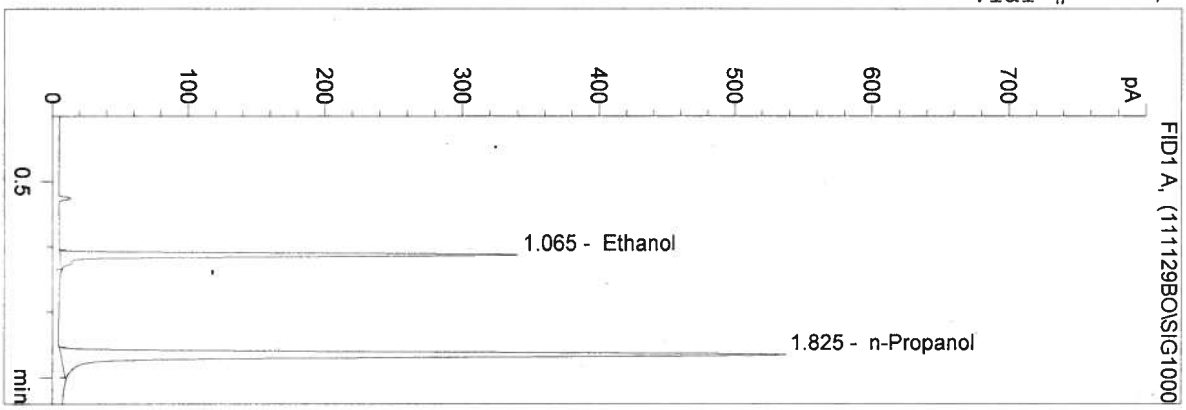
C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 10:58:38 AM
Instrument 3
DB-ALC2

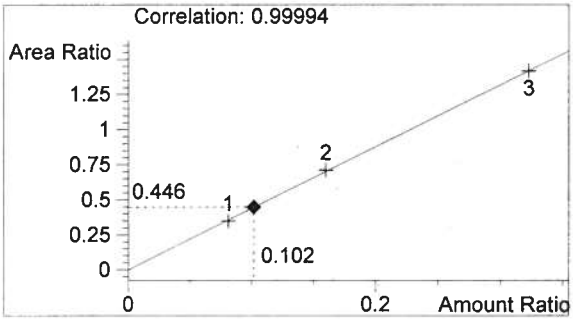
0.10 CONTROL-BO
Brianne E. O'Reilly

vial # 7

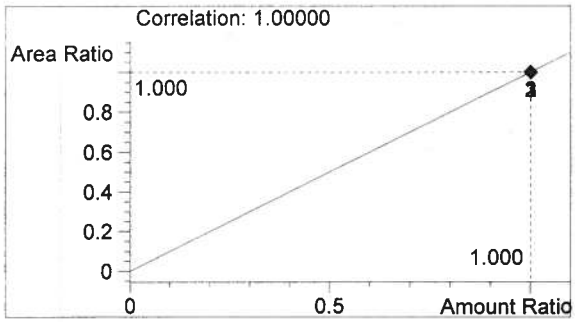


#	Compound	Area	RT
1	Ethanol	661	1.065
2	n-Propanol	1482	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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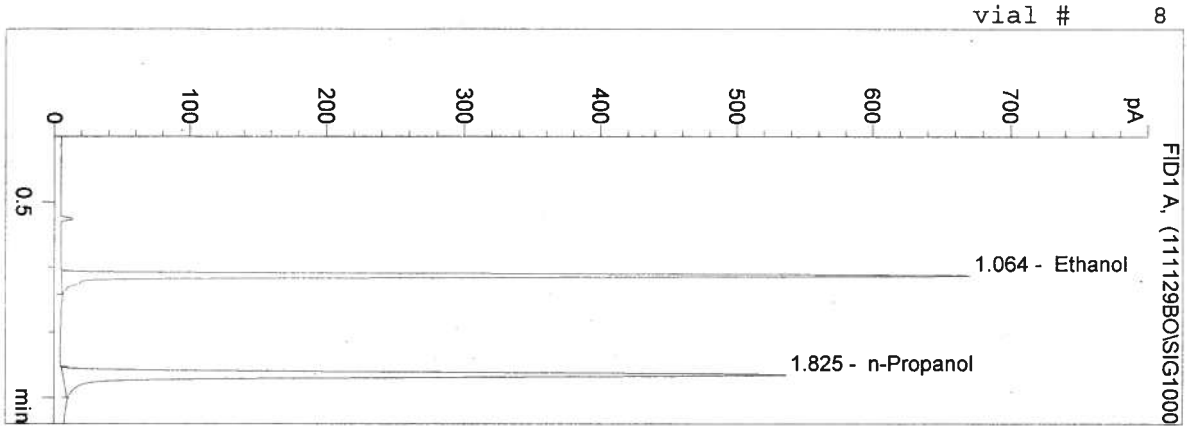
C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 11:01:46 AM
Instrument 3
DB-ALC2

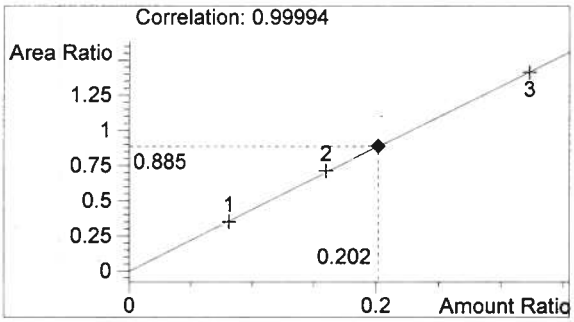
0.20 CONTROL-BO
Brianne E. O'Reilly

vial # 8

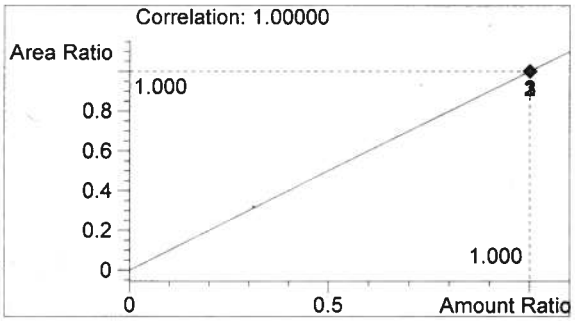


#	Compound	Area	RT
1	Ethanol	1306	1.064
2	n-Propanol	1475	1.825

Totals:



Ethanol 0.202 g/100ml



n-Propanol 1.000 g/100ml

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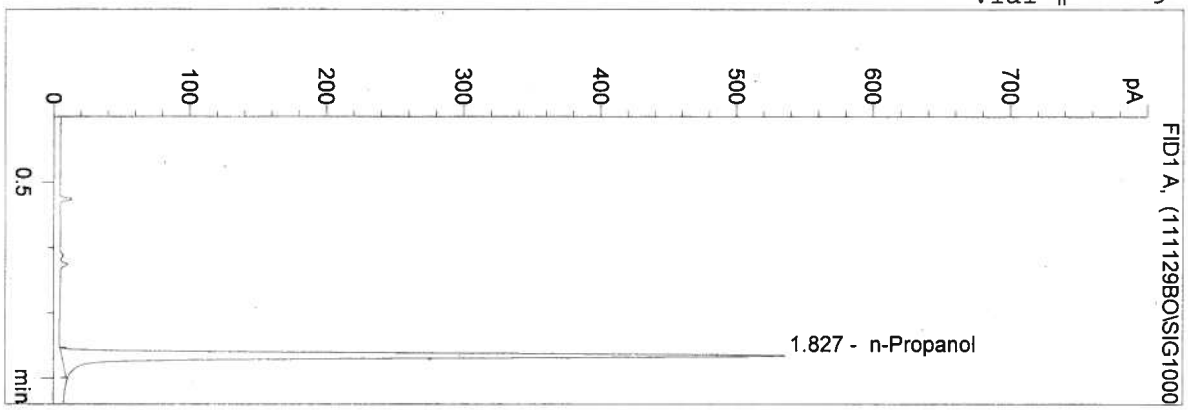
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 11:04:53 AM
Instrument 3
DB-ALC2

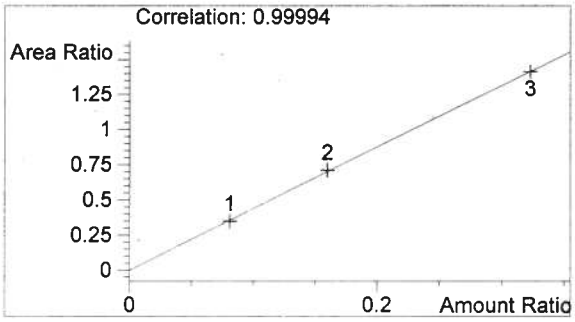
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 9

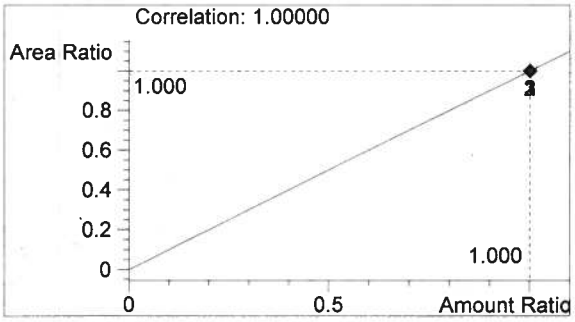


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1478	1.827

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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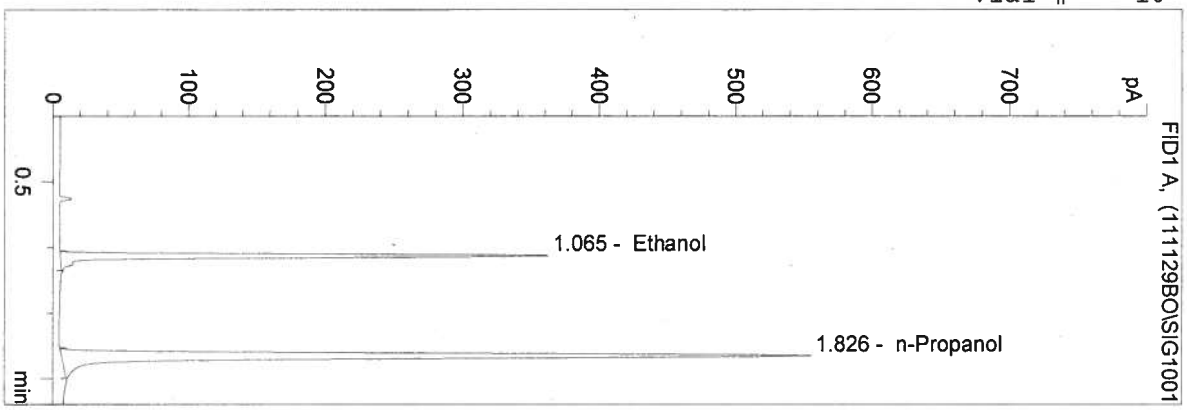
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 11:08:00 AM
Instrument 3
DB-ALC2

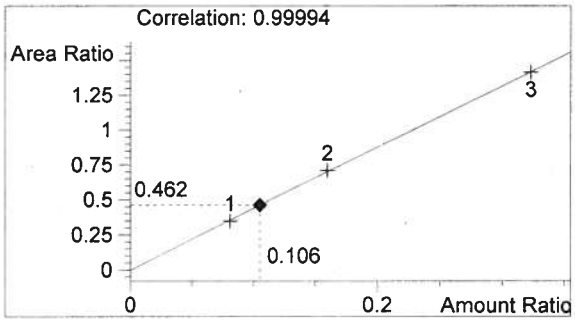
11053 #1
Brianne E. O'Reilly

vial # 10

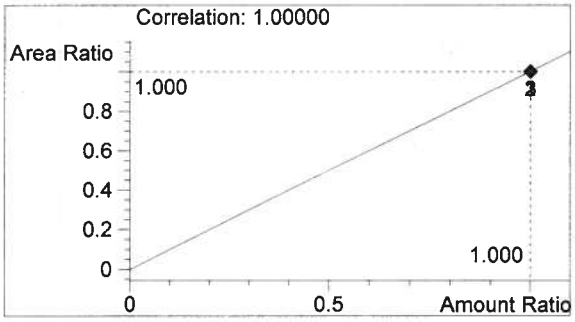


#	Compound	Area	RT
1	Ethanol	708	1.065
2	n-Propanol	1532	1.826

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

11053

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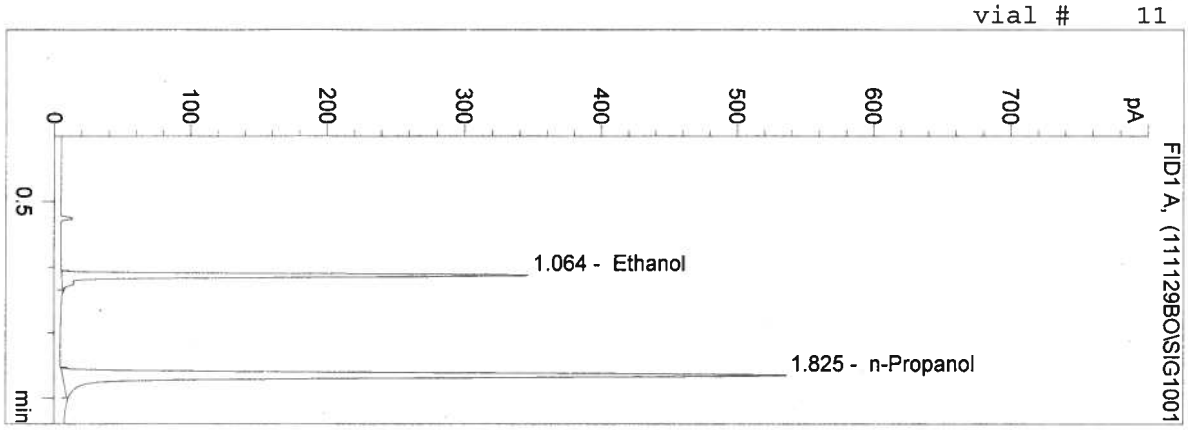
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 11:11:07 AM
Instrument 3
DB-ALC2

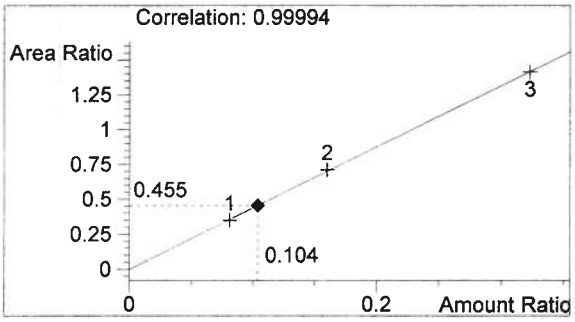
11053 #2
Brianne E. O'Reilly

vial # 11

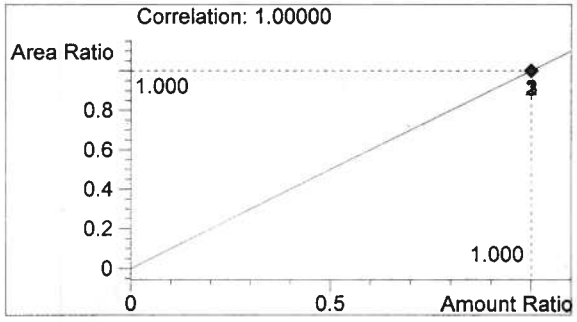


#	Compound	Area	RT
1	Ethanol	671	1.064
2	n-Propanol	1476	1.825

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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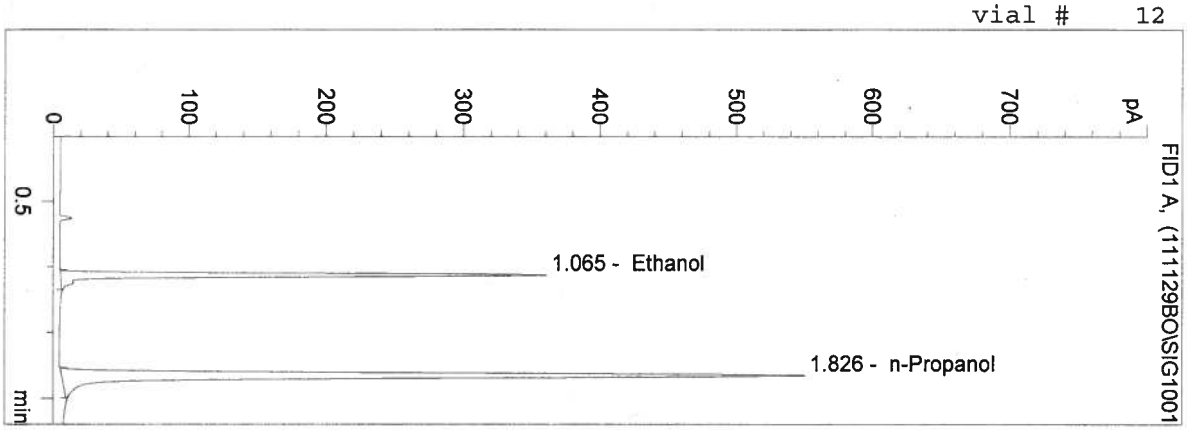
C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 11:14:14 AM
Instrument 3
DB-ALC2

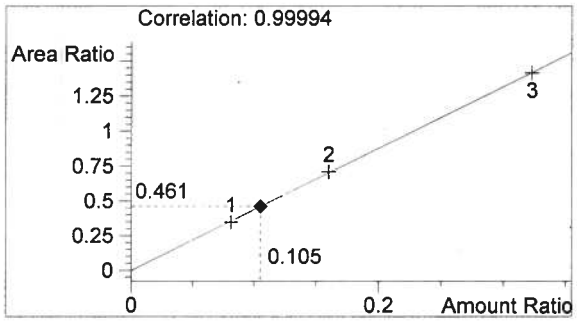
11053 #3
Brianne E. O'Reilly

vial # 12

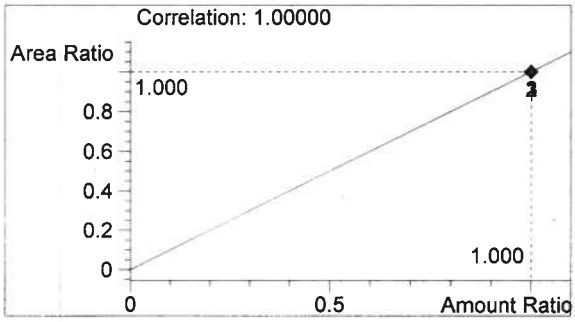


#	Compound	Area	RT
1	Ethanol	699	1.065
2	n-Propanol	1516	1.826

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

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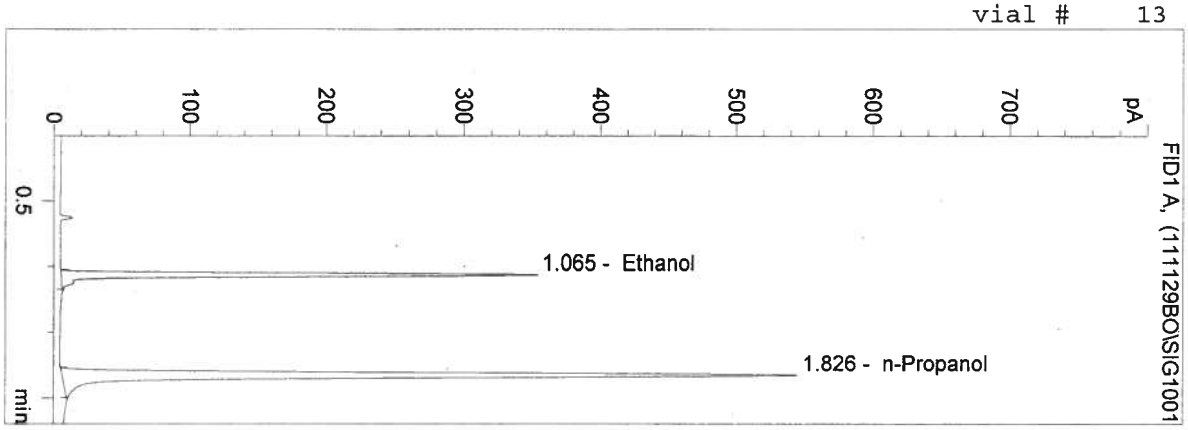
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 11:17:22 AM
Instrument 3
DB-ALC2

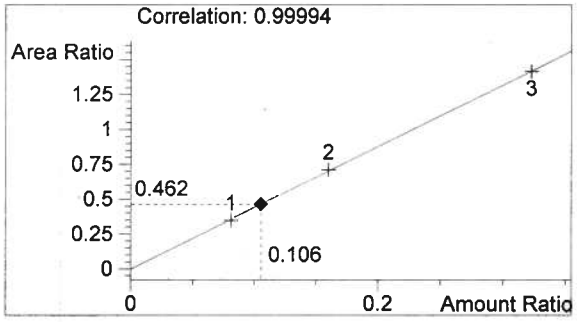
11053 #4
Brianne E. O'Reilly

vial # 13

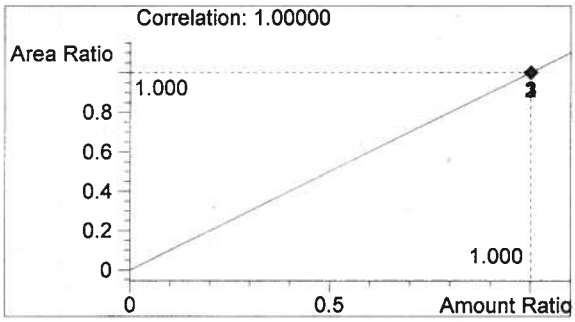


#	Compound	Area	RT
1	Ethanol	693	1.065
2	n-Propanol	1501	1.826

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

11053

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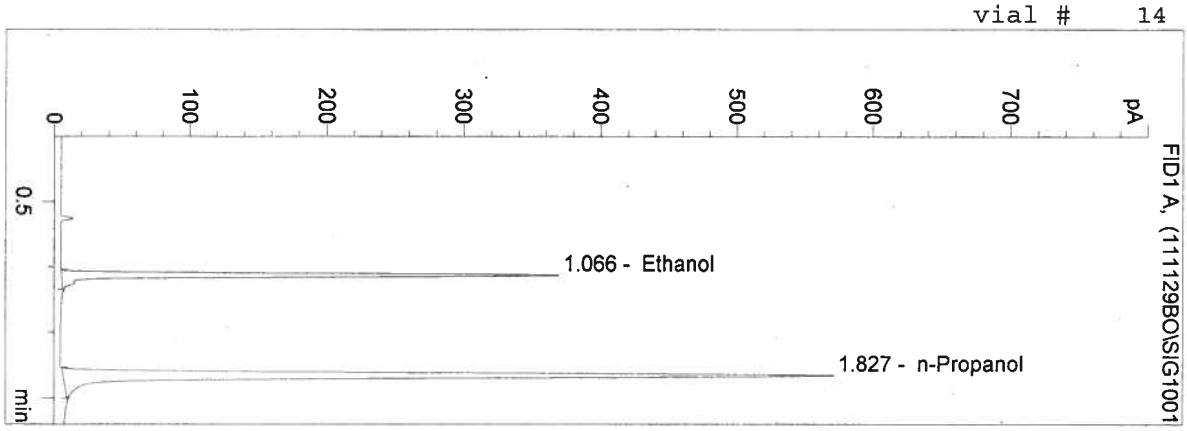
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 11:20:29 AM
Instrument 3
DB-ALC2

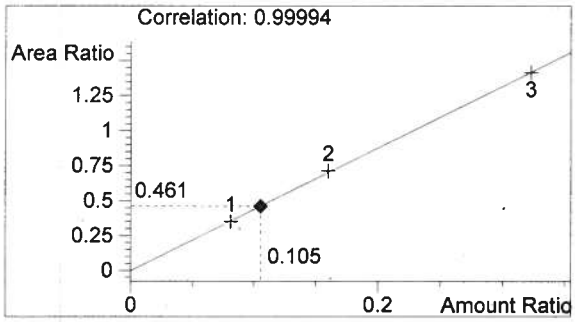
11053 #5
Brianne E. O'Reilly

vial # 14

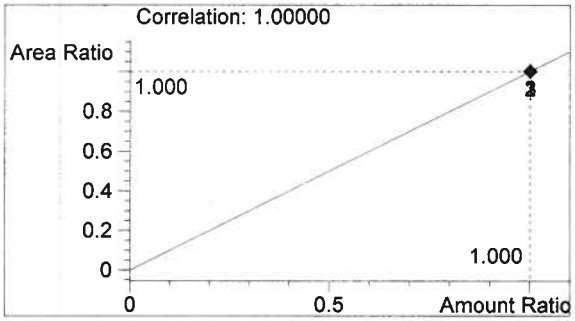


#	Compound	Area	RT
1	Ethanol	726	1.066
2	n-Propanol	1574	1.827

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

11053

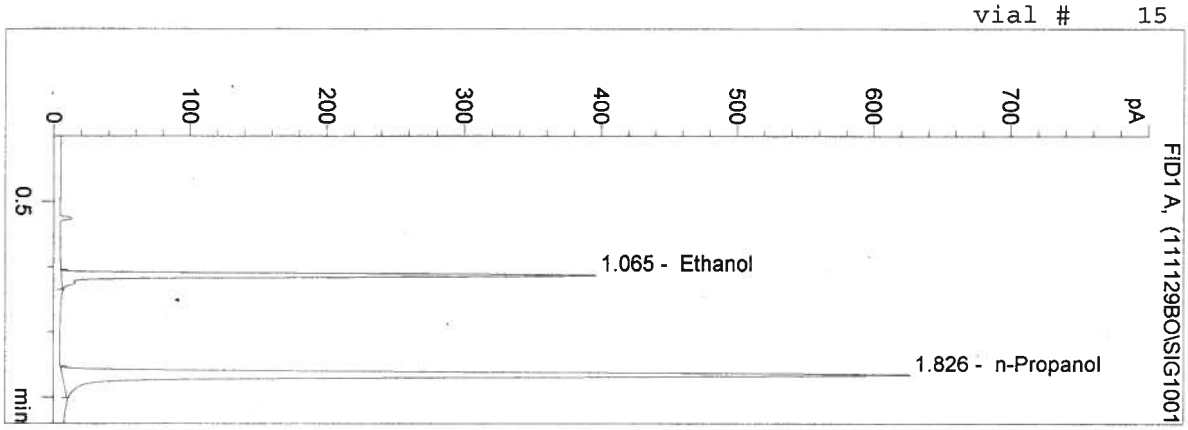
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

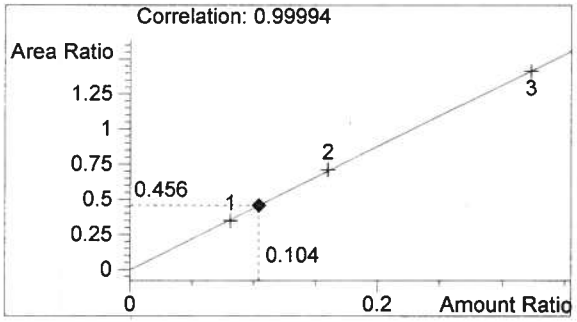
C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 11:23:36 AM
Instrument 3
DB-ALC2

0.10 CONTROL-BO
Brianne E. O'Reilly

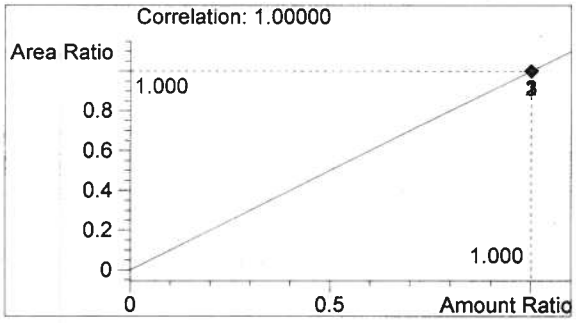
vial # 15



#	Compound	Area	RT
1	Ethanol	792	1.065
2	n-Propanol	1738	1.826
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

11053

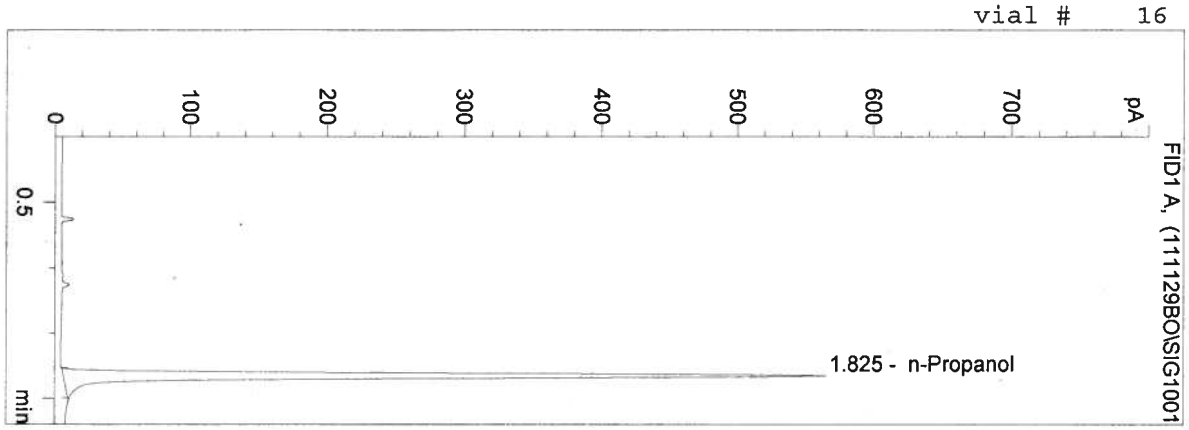
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

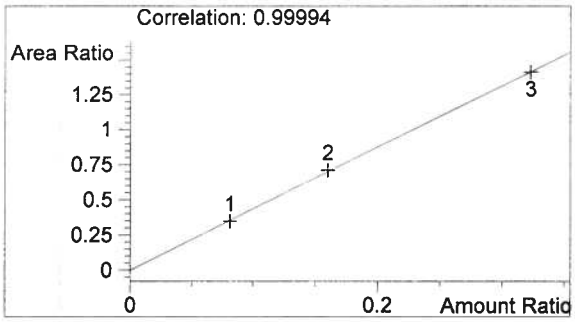
C:\HPCHEM\2\METHODS\SIMALC3.M
11/29/2011 11:26:43 AM
Instrument 3
DB-ALC2

NEG CONTROL-BO
Brianne E. O'Reilly

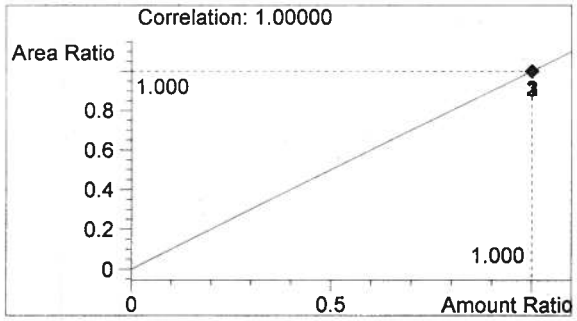
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1560	1.825
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11053

BW

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:	111202LN
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	11053 #1	SIMALC3	1	Sample		
11	Vial 11	11053 #2	SIMALC3	1	Sample		
12	Vial 12	11053 #3	SIMALC3	1	Sample		
13	Vial 13	11053 #4	SIMALC3	1	Sample		
14	Vial 14	11053 #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		

Calibration Part:

11053

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!

11053

Calibration Table

Calib. Data Modified : Friday, December 02, 2011 1:38:28 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	493.52774	1.59322e-4	1		Ethanol
		2	1.55890e-1	1090.93115	1.42896e-4			
		3	3.12180e-1	2164.70996	1.44213e-4			
1.825	1	1	1.00000	1456.13440	6.86750e-4	I1		n-Propanol
		2	1.00000	1542.02161	6.48499e-4			
		3	1.00000	1542.70679	6.48211e-4			

Peak Sum Table

No Entries in table

11053

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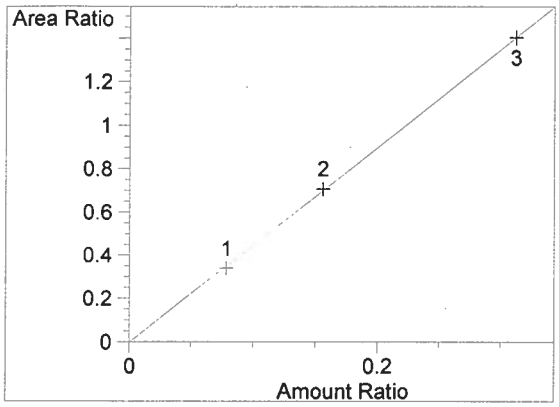
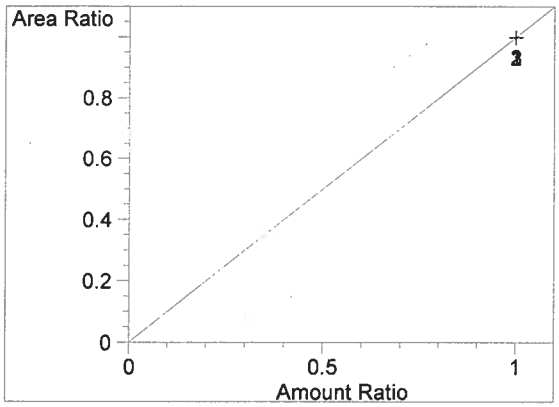
Calibration Curves

==========



Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 0.99990
Residual Std. Dev.: 0.01057
Formula: y = mx + b
m: 4.51307
b: -4.42625e-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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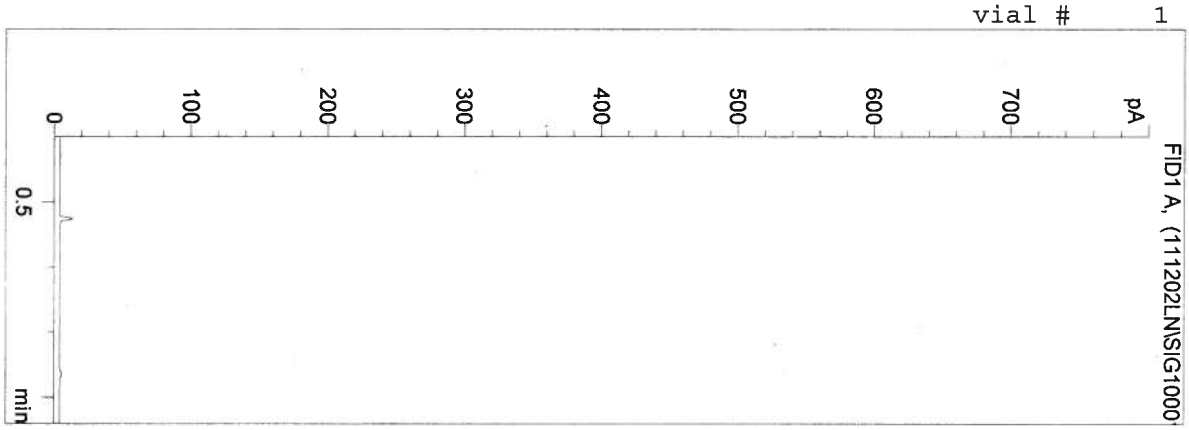
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

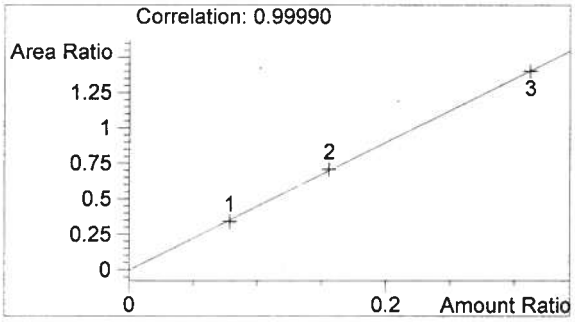
C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 1:26:54 PM
Instrument 3
DB-ALC2

BLANK
Lisa Noble

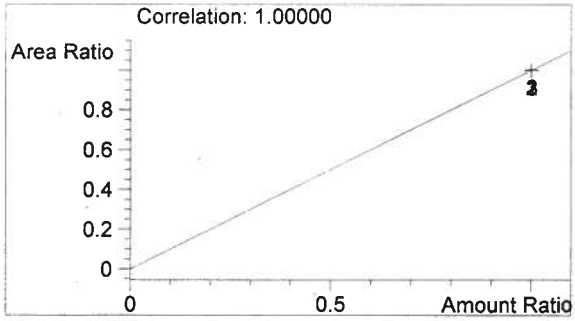
vial # 1



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



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

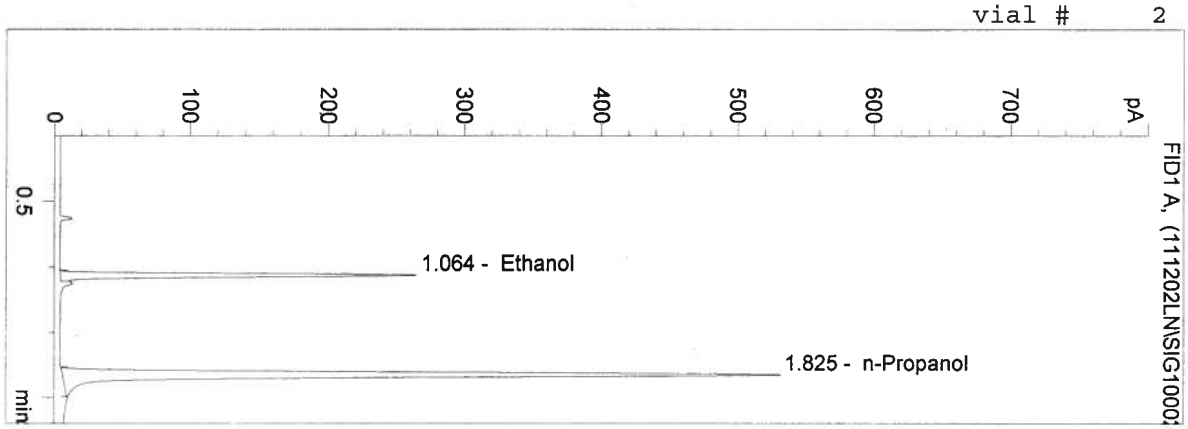
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 1:30:02 PM
Instrument 3
DB-ALC2

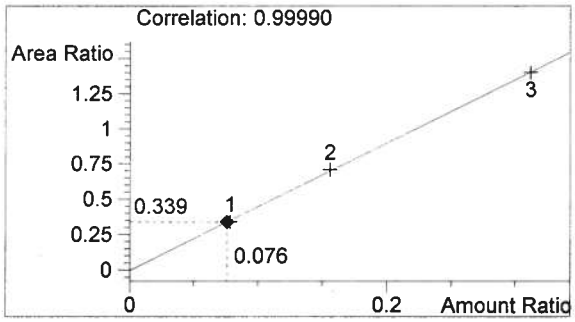
0.079 CAL
Lisa Noble

vial # 2

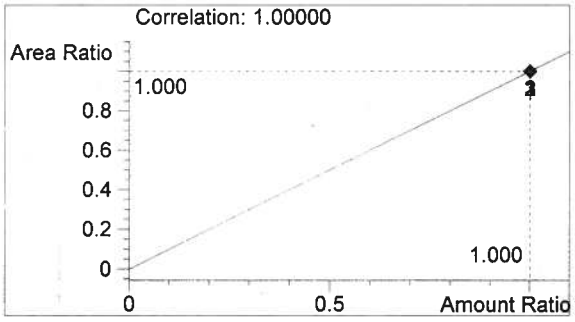


#	Compound	Area	RT
1	Ethanol	494	1.064
2	n-Propanol	1456	1.825

Totals:



Ethanol 0.076 g/100ml



n-Propanol 1.000 g/100ml

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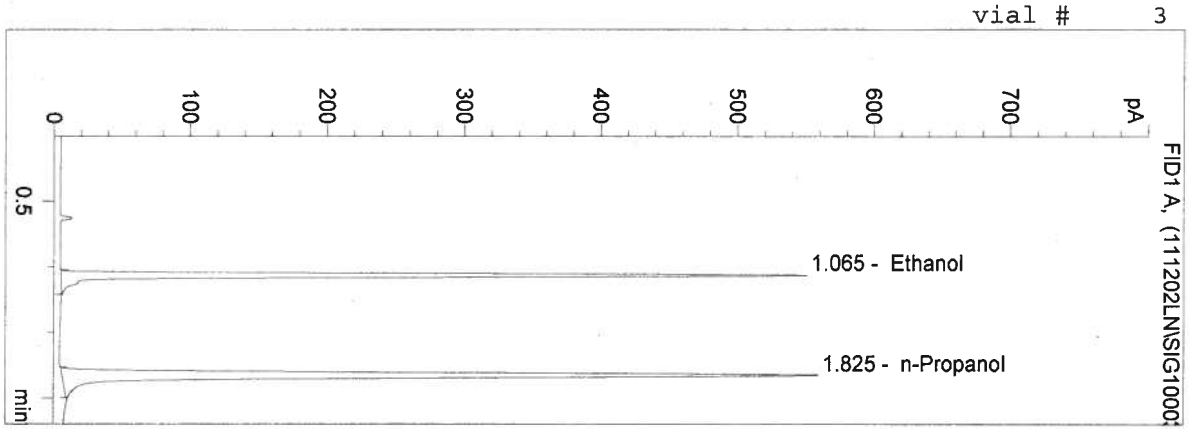
12/2/2011 1:33:09 PM
Instrument 3
DB-ALC2

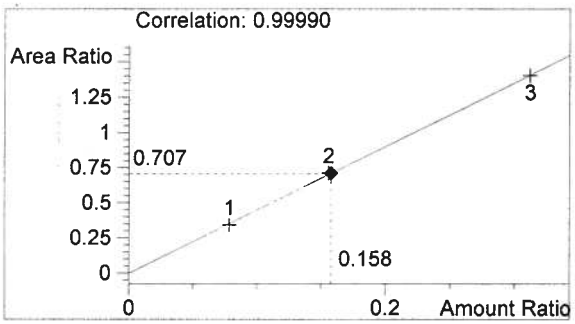
0.158 CAL
Lisa Noble

vial # 3

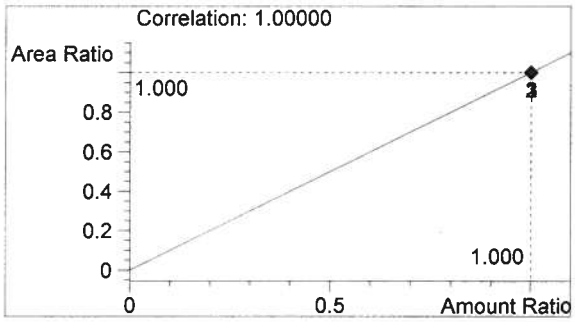


#	Compound	Area	RT
1	Ethanol	1091	1.065
2	n-Propanol	1542	1.825

Totals:



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

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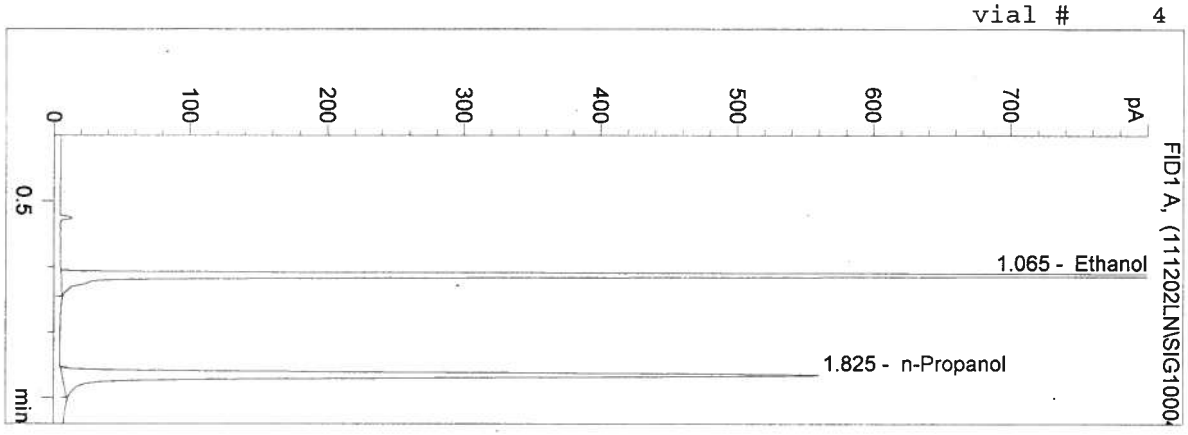
Instrument 3
DB-ALC2

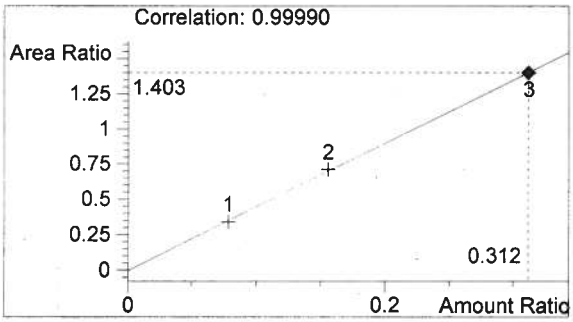
0.316 CAL
Lisa Noble

vial # 4

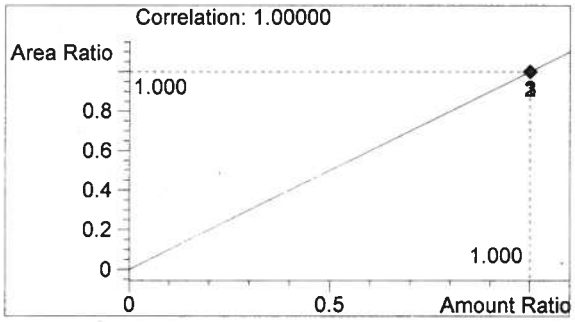


#	Compound	Area	RT
1	Ethanol	2165	1.065
2	n-Propanol	1543	1.825

Totals:



Ethanol 0.312 g/100ml



n-Propanol 1.000 g/100ml

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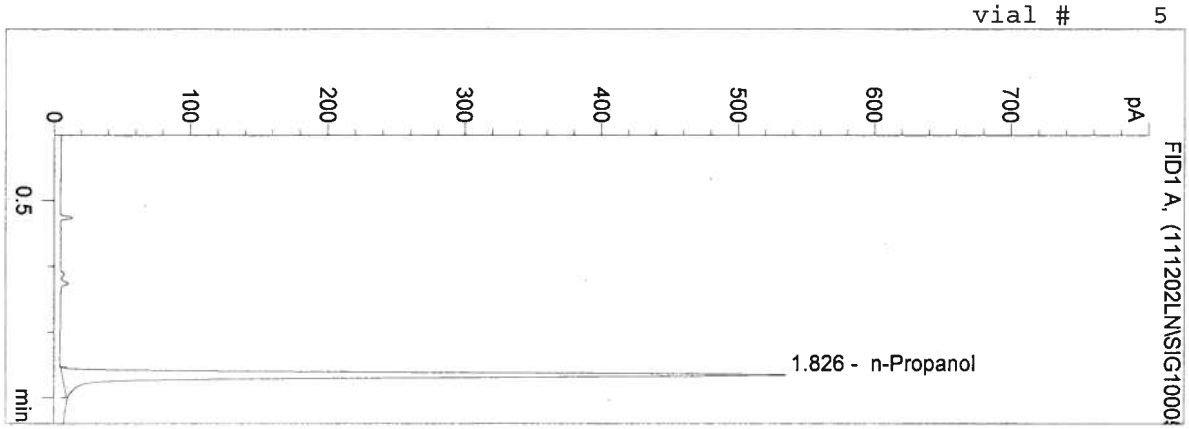
Instrument 3
DB-ALC2

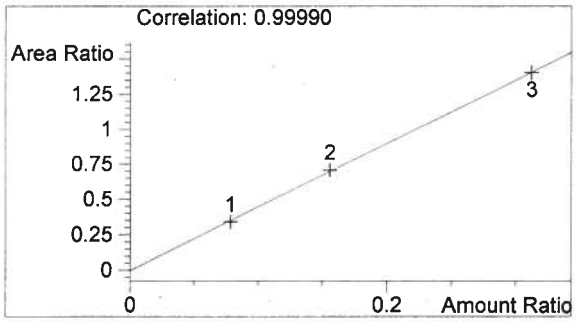
NEG CTRL - LN
Lisa Noble

vial # 5

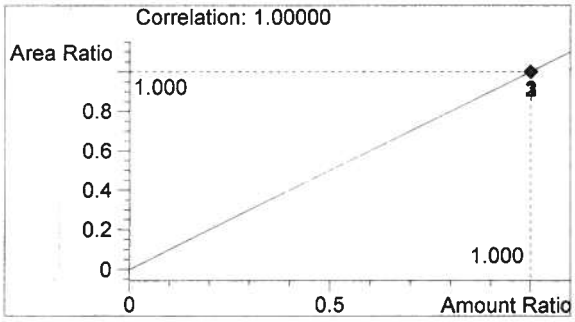


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1478	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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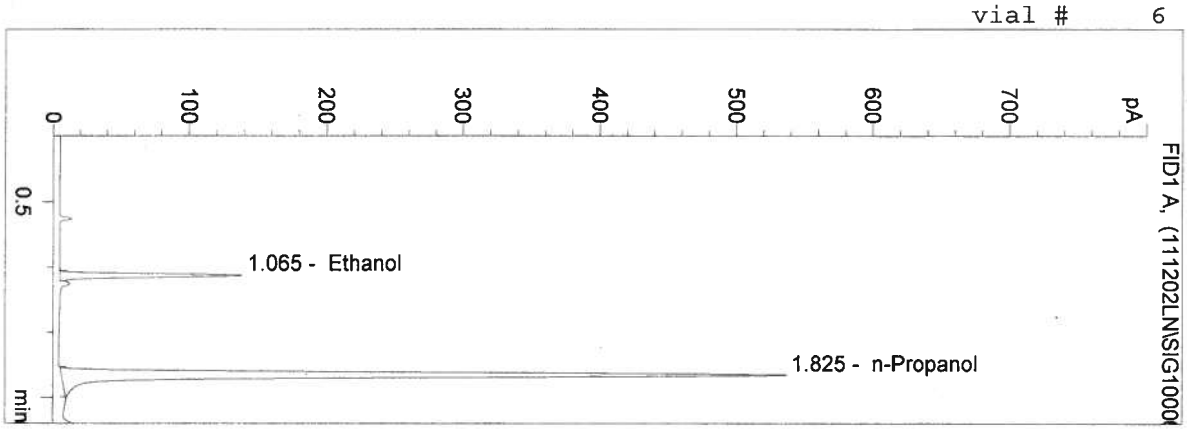
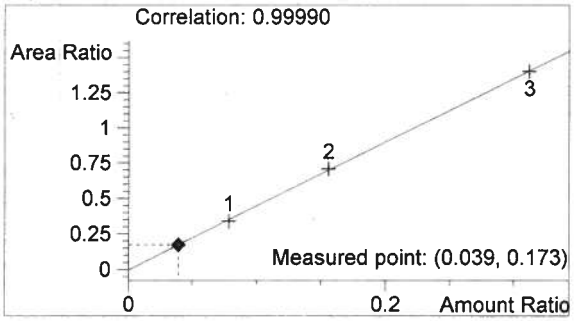
Instrument 3
DB-ALC2

0.04 CTRL - LN
Lisa Noble

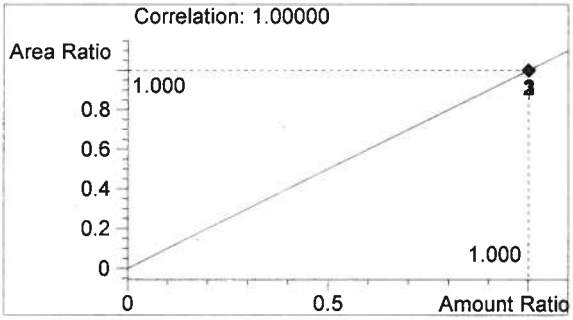
vial # 6



#	Compound	Area	RT
1	Ethanol	257	1.065
2	n-Propanol	1483	1.825
Totals:			



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

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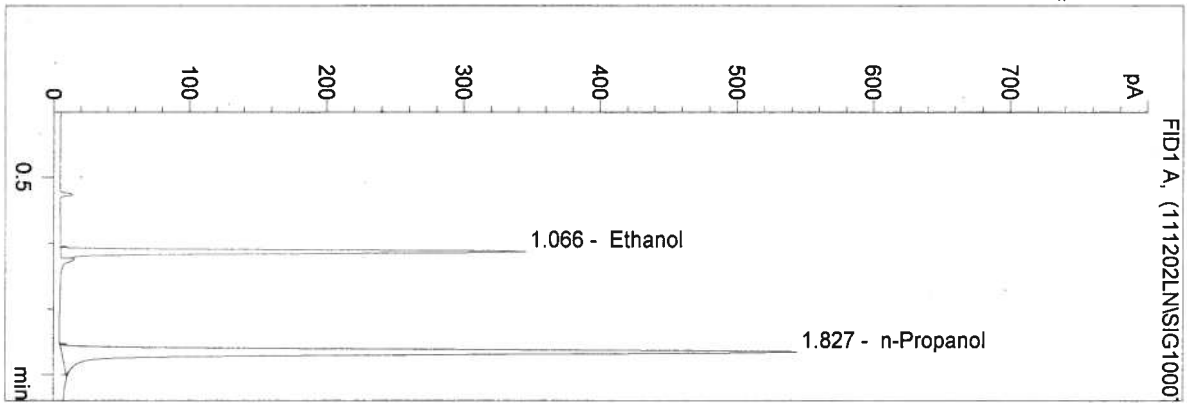
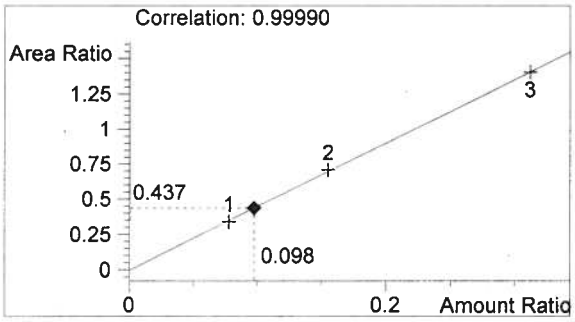
Instrument 3
DB-ALC2

0.10 CTRL - LN
Lisa Noble

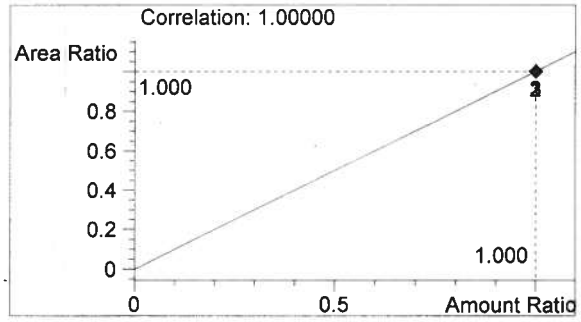
vial # 7



#	Compound	Area	RT
1	Ethanol	657	1.066
2	n-Propanol	1504	1.827
Totals:			



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

Ln

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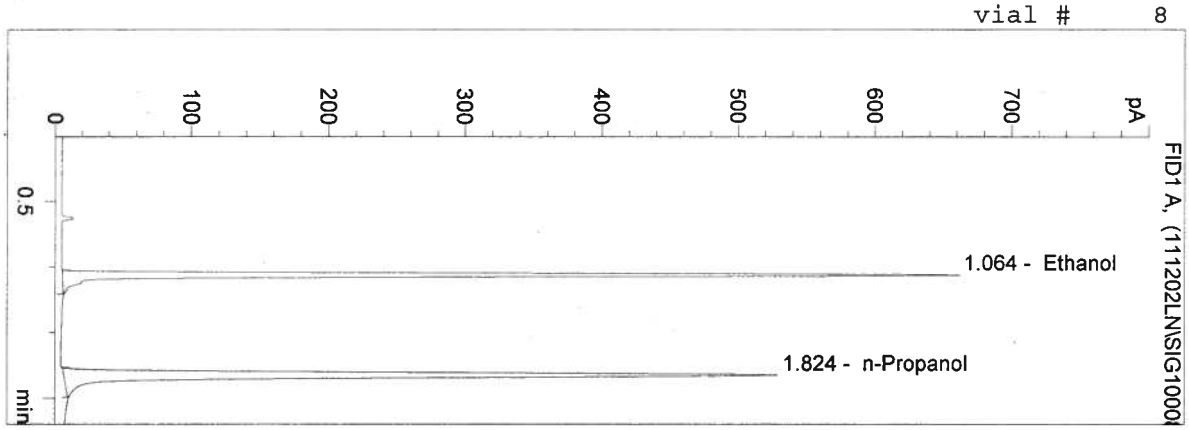
Instrument 3
DB-ALC2

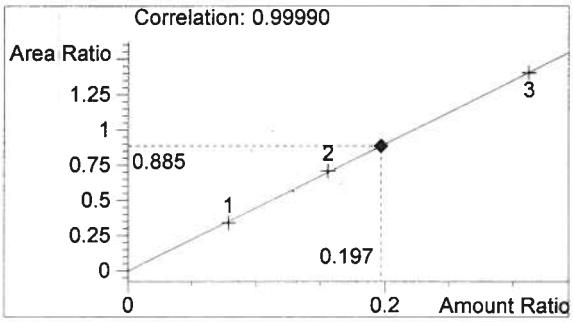
0.20 CTRL - LN
Lisa Noble

vial # 8

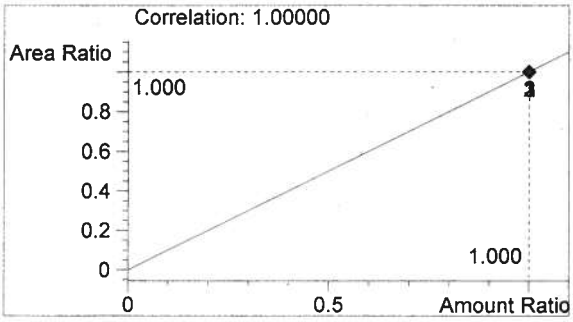


#	Compound	Area	RT
1	Ethanol	1281	1.064
2	n-Propanol	1448	1.824

Totals:



Ethanol 0.197 g/100ml



n-Propanol 1.000 g/100ml

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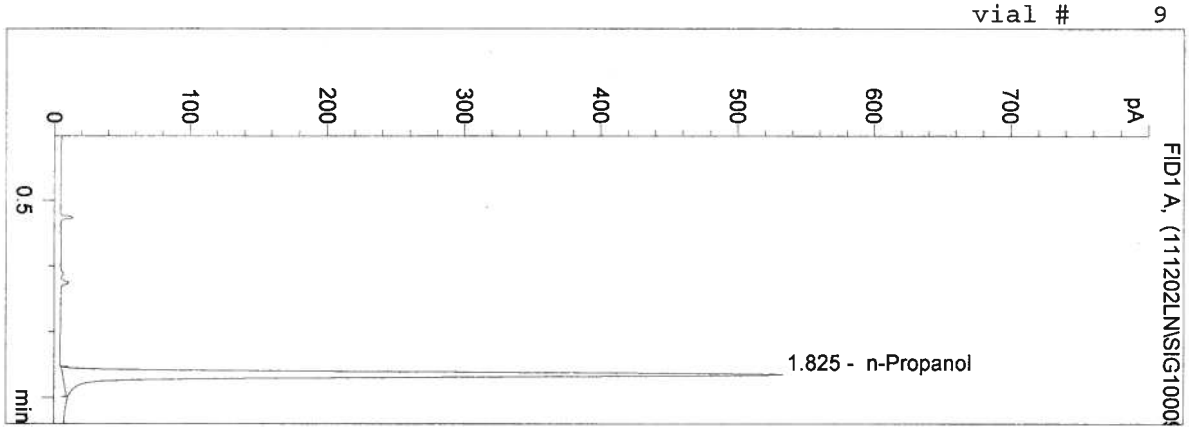
Instrument 3
DB-ALC2

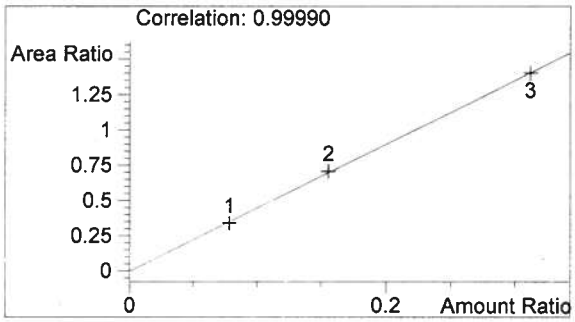
NEG CTRL - LN
Lisa Noble

vial # 9

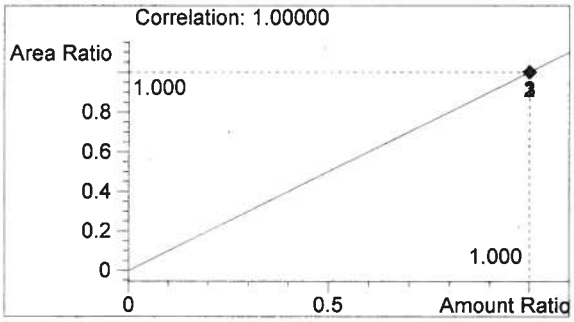


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1456	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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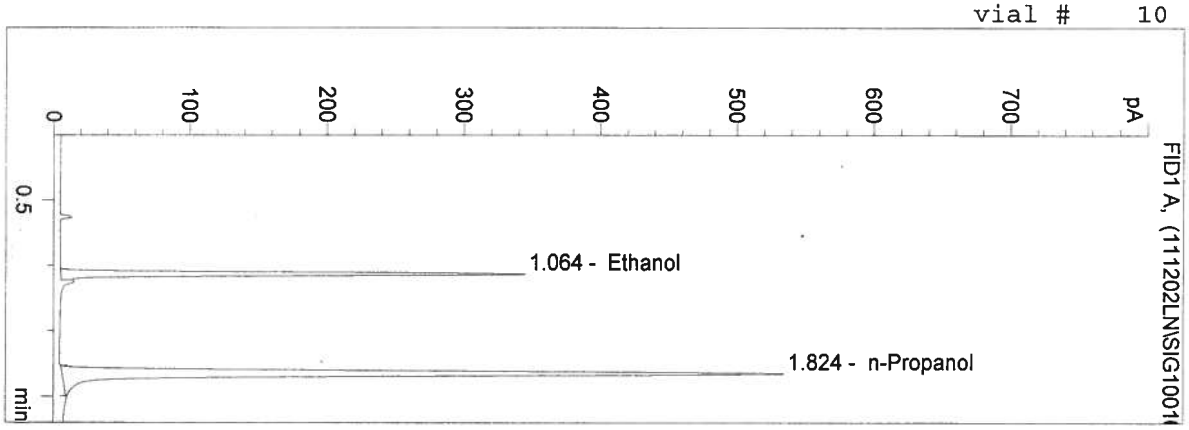
Instrument 3
DB-ALC2

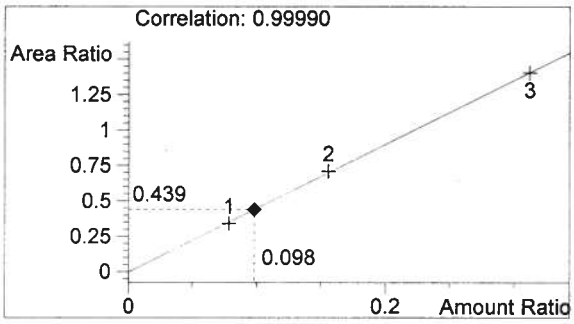
11053 #1
Lisa Noble

vial # 10

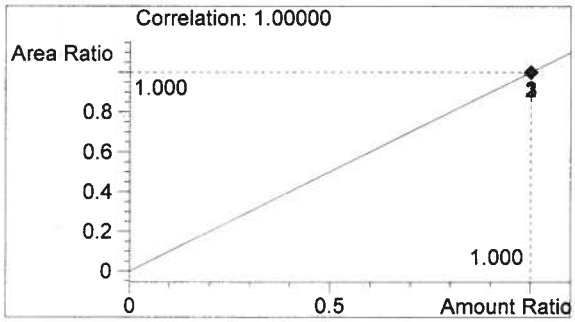


#	Compound	Area	RT
1	Ethanol	643	1.064
2	n-Propanol	1463	1.824

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

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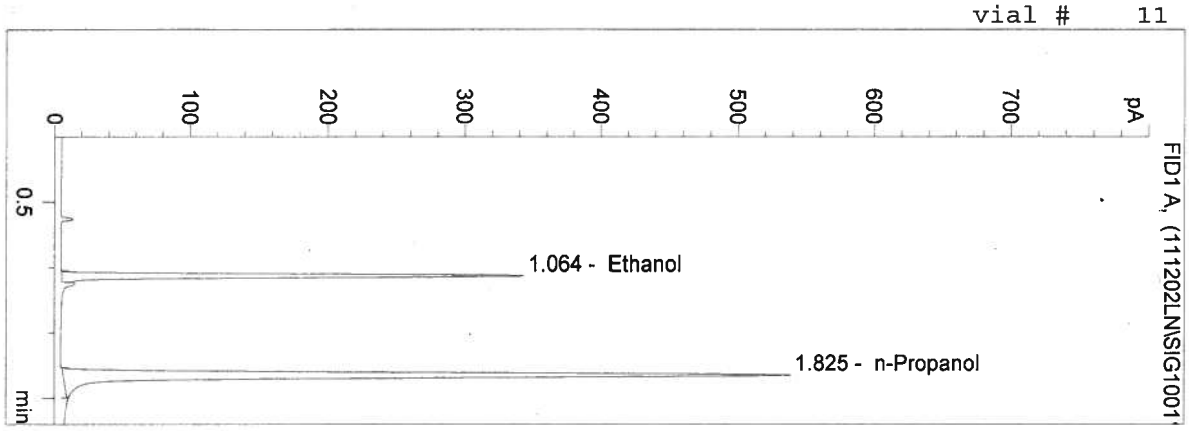
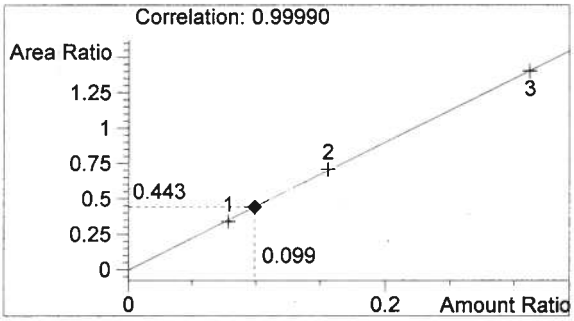
Instrument 3
DB-ALC2

11053 #2
Lisa Noble

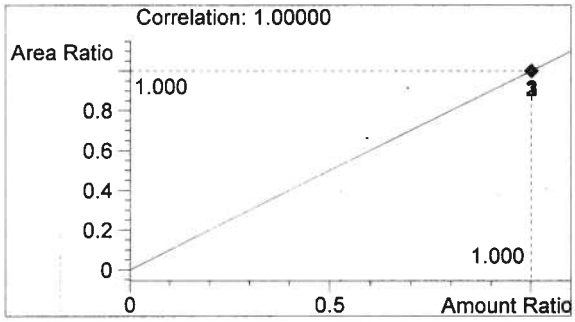
vial # 11



#	Compound	Area	RT
1	Ethanol	658	1.064
2	n-Propanol	1485	1.825
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

Jn

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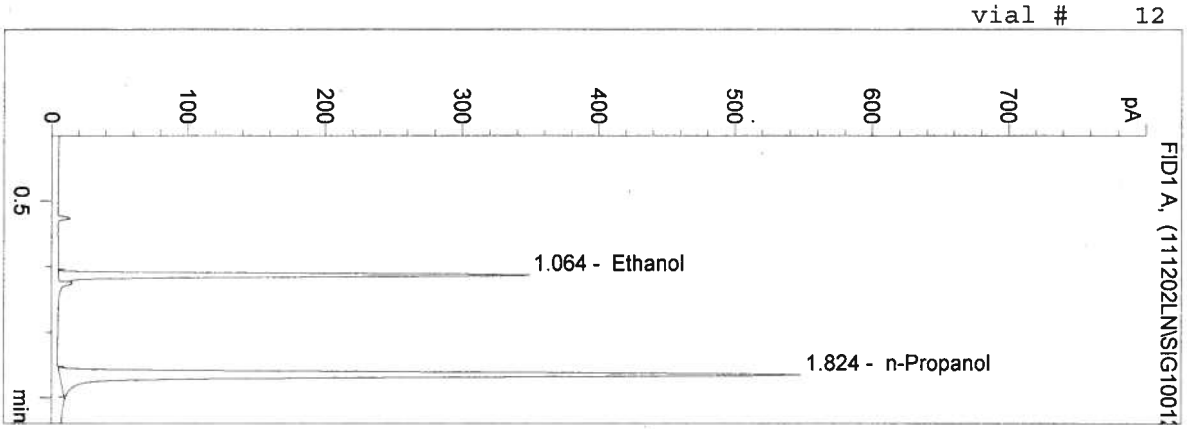
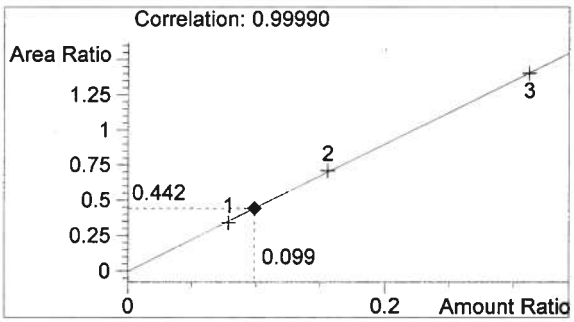
Instrument 3
DB-ALC2

11053 #3
Lisa Noble

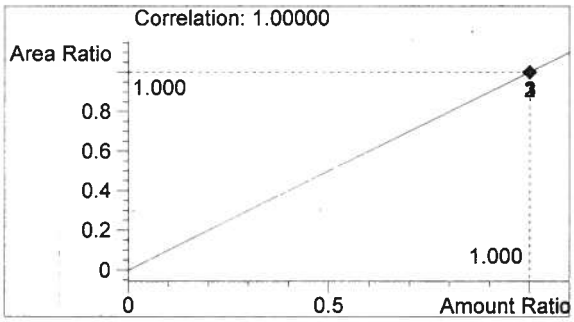
vial # 12



#	Compound	Area	RT
1	Ethanol	669	1.064
2	n-Propanol	1515	1.824
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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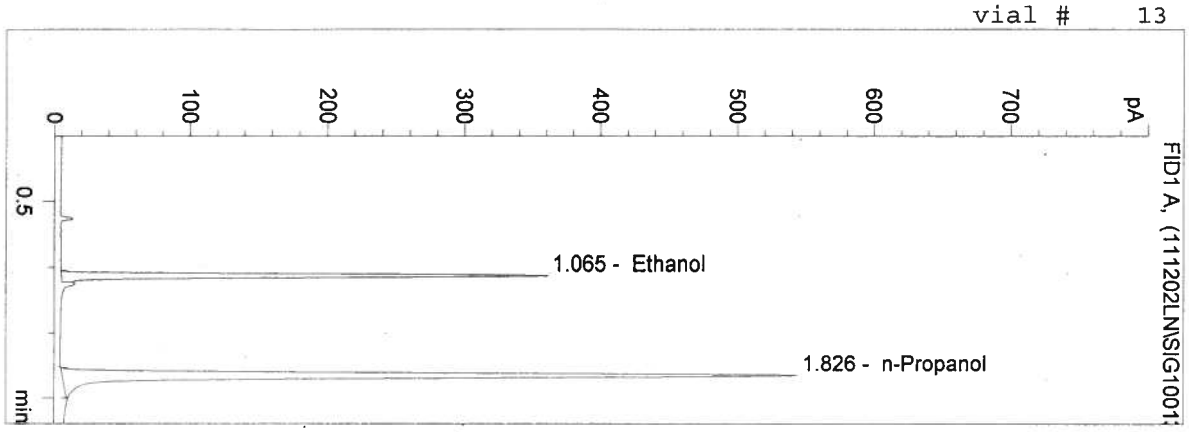
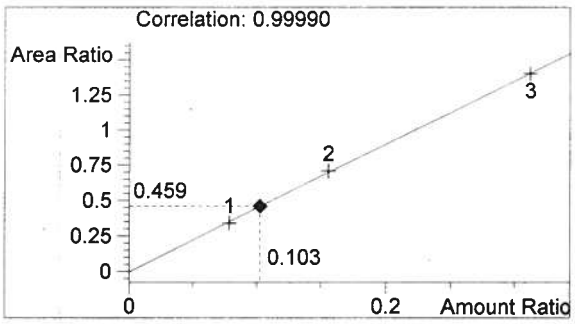
Instrument 3
DB-ALC2

11053 #4
Lisa Noble

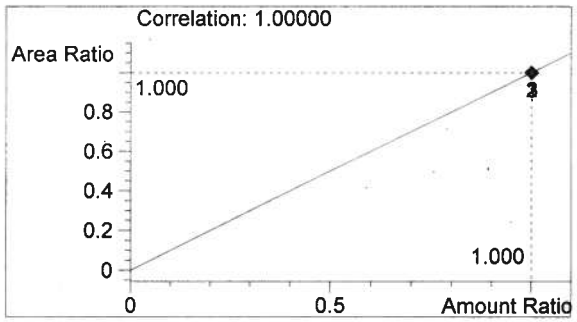
vial # 13



#	Compound	Area	RT
1	Ethanol	686	1.065
2	n-Propanol	1494	1.826
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

Jn

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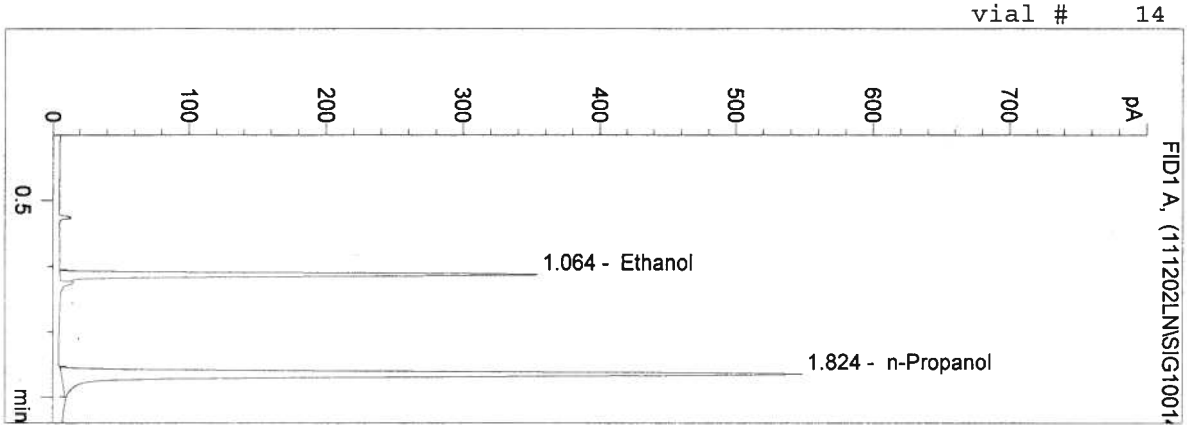
Instrument 3
DB-ALC2

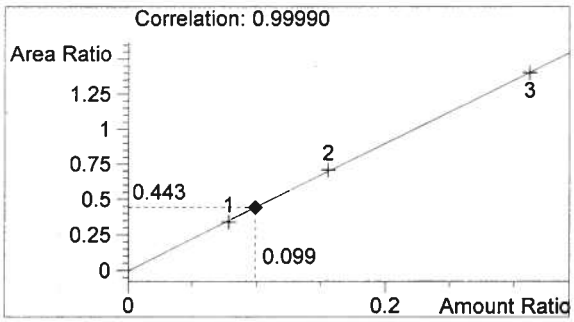
11053 #5
Lisa Noble

vial # 14

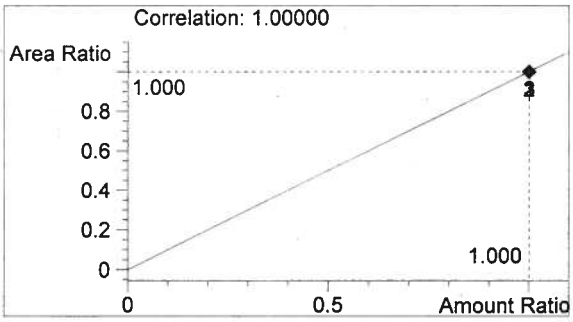


#	Compound	Area	RT
1	Ethanol	667	1.064
2	n-Propanol	1505	1.824

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

fn

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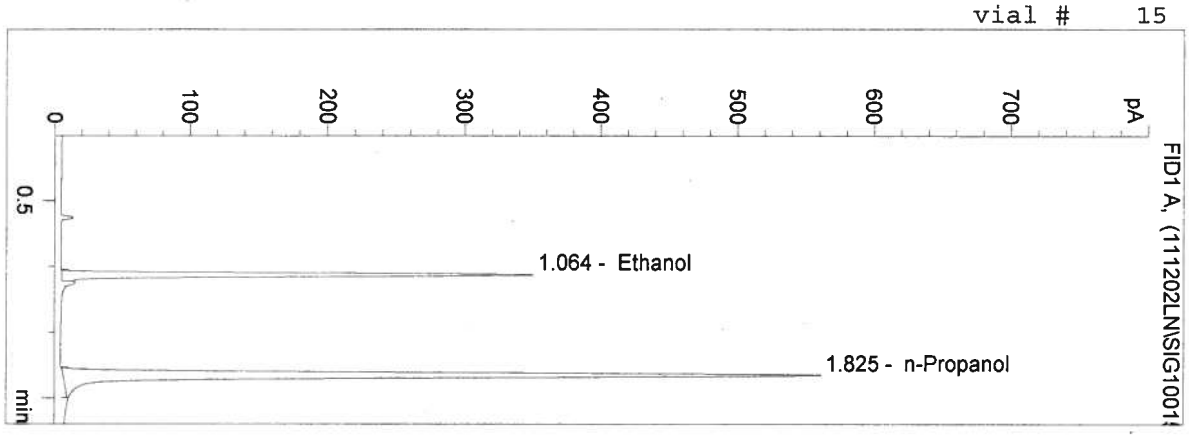
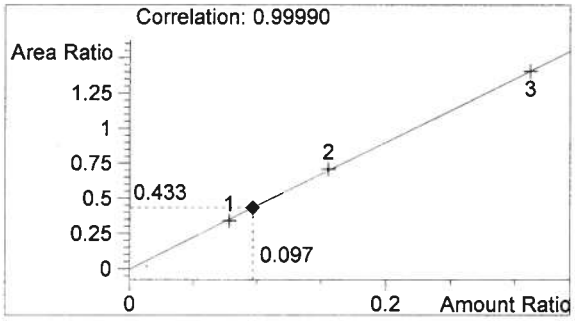
Instrument 3
DB-ALC2

0.10 CTRL - LN
Lisa Noble

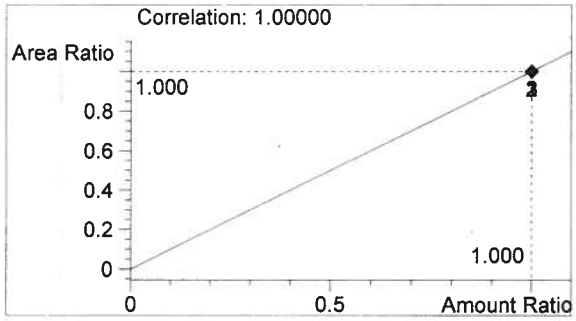
vial # 15



#	Compound	Area	RT
1	Ethanol	674	1.064
2	n-Propanol	1556	1.825
Totals:			



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

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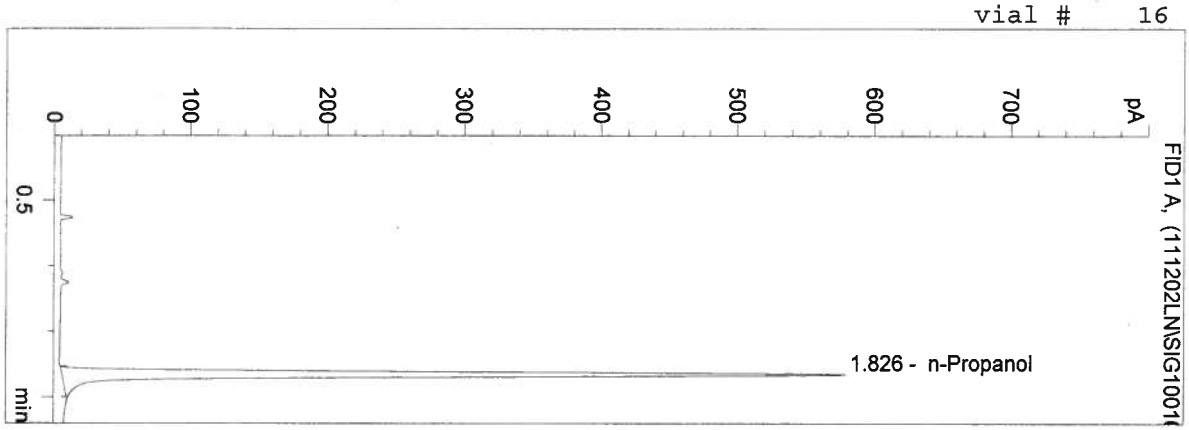
Instrument 3
DB-ALC2

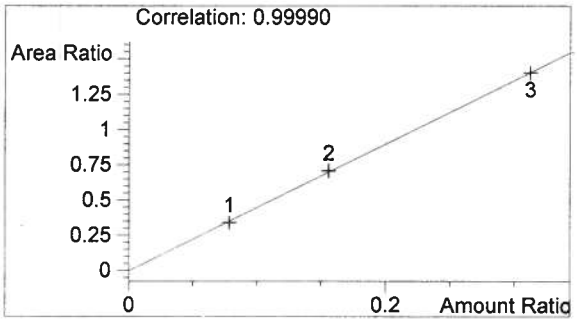
NEG CTRL - LN
Lisa Noble

vial # 16

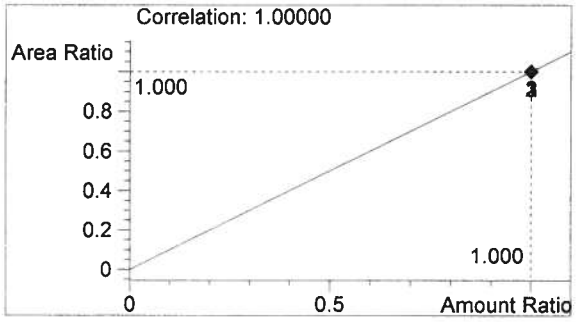


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1597	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11053

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:	111202JK
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	

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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	11053-1	SIMALC3	1	Sample		
11	Vial 11	11053-2	SIMALC3	1	Sample		
12	Vial 12	11053-3	SIMALC3	1	Sample		
13	Vial 13	11053-4	SIMALC3	1	Sample		
14	Vial 14	11053-5	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!

11053

Calibration Table

Calib. Data Modified : Friday, December 02, 2011 10:35:47 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	494.00412	1.59169e-4	1		Ethanol
		2	1.55890e-1	985.10046	1.58248e-4			
		3	3.12180e-1	2009.36475	1.55363e-4			
1.824	1	1	1.00000	1462.83032	6.83606e-4	I1		n-Propanol
		2	1.00000	1469.93860	6.80301e-4			
		3	1.00000	1447.02197	6.91075e-4			

Peak Sum Table

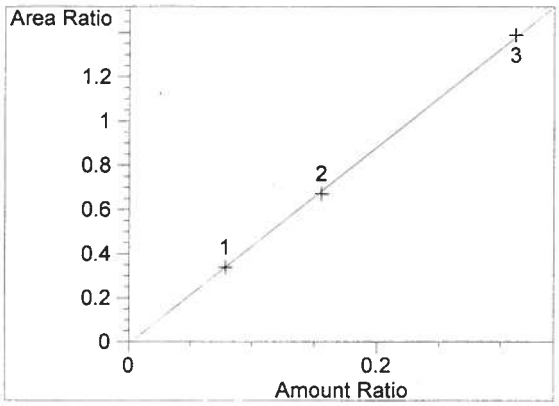
No Entries in table

11053

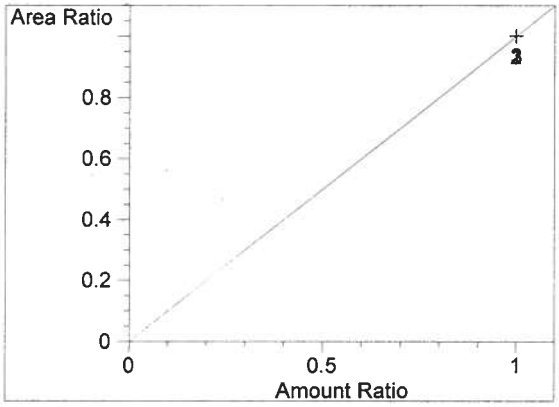
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99982
Residual Std. Dev.: 0.01366
Formula: y = mx + b
m: 4.45289
b: -9.47643e-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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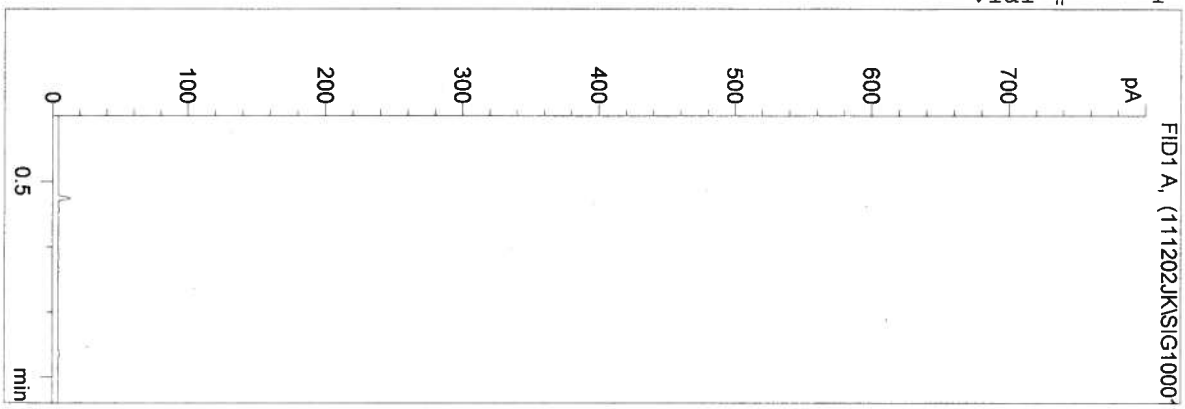
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:24:13 AM
Instrument 3
DB-ALC2

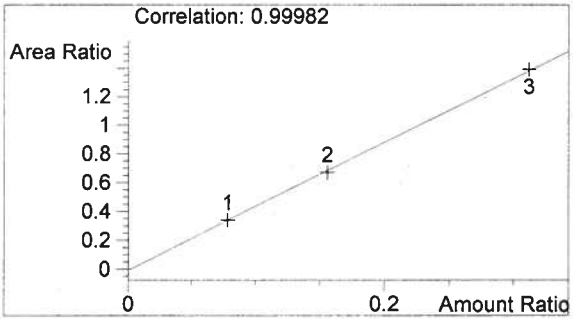
BLANK
Justin Knoy

vial # 1

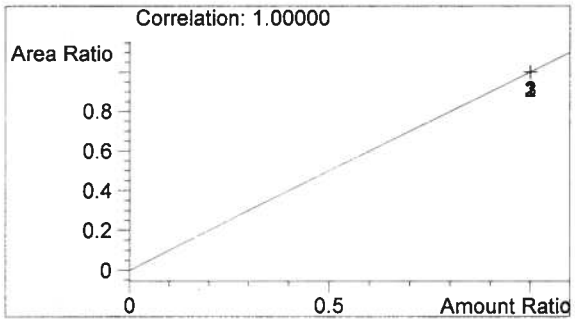


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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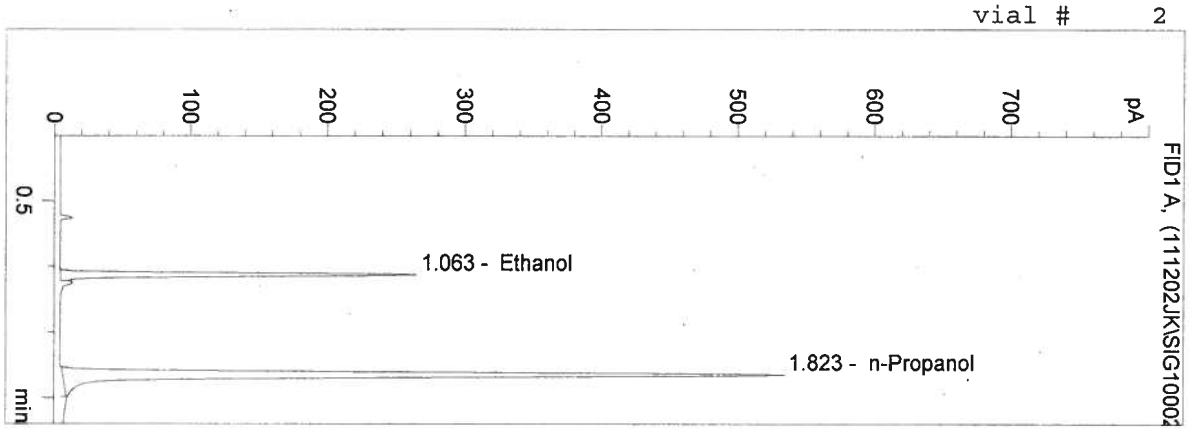
WASHINGTON STATE TOXICOLOGY LABORATORY

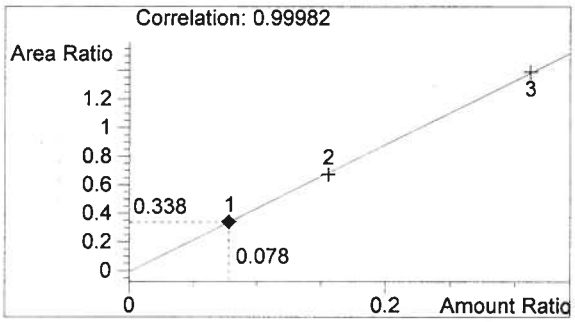
C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:27:20 AM
Instrument 3
DB-ALC2

CAL1 0.079
Justin Knoy

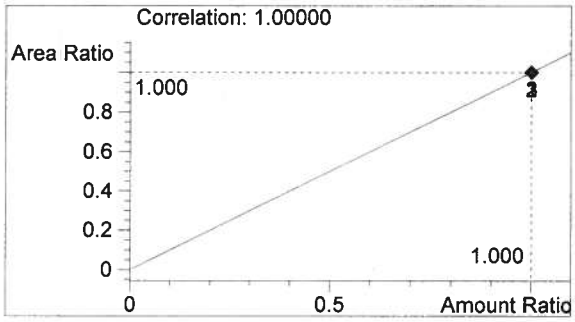
vial # 2



#	Compound	Area	RT
1	Ethanol	494	1.063
2	n-Propanol	1463	1.823
Totals:			



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

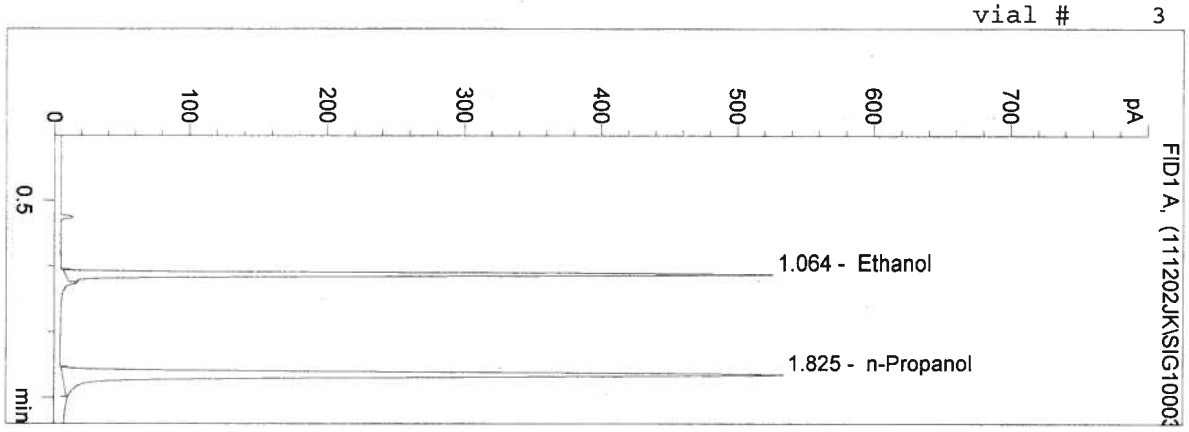
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:30:27 AM
Instrument 3
DB-ALC2

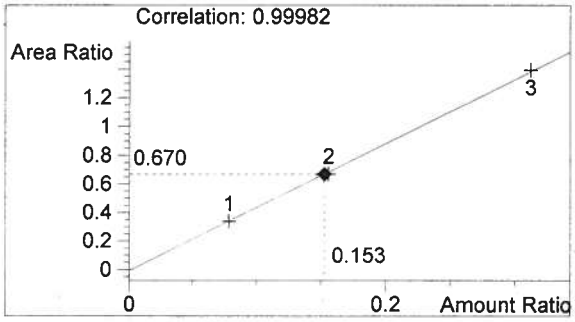
CAL2 0.158
Justin Knoy

vial # 3

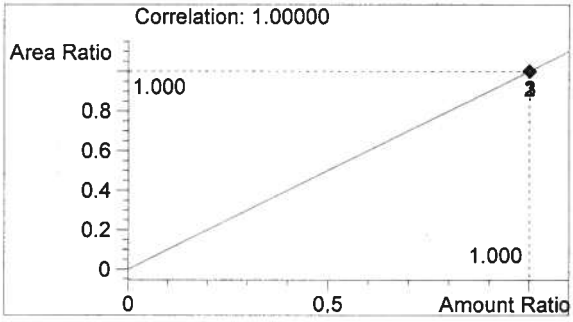


#	Compound	Area	RT
1	Ethanol	985	1.064
2	n-Propanol	1470	1.825

Totals:



Ethanol 0.153 g/100ml



n-Propanol 1.000 g/100ml

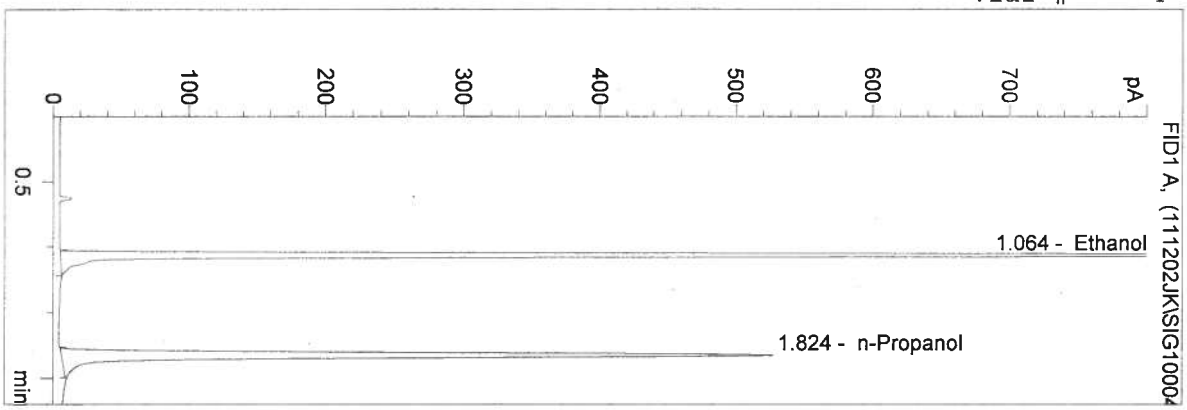
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:33:35 AM
Instrument 3
DB-ALC2

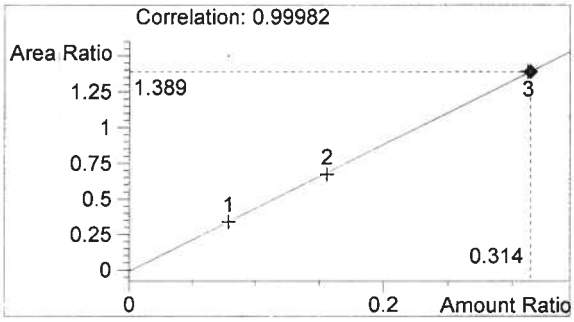
CAL3 0.316
Justin Knoy

vial # 4

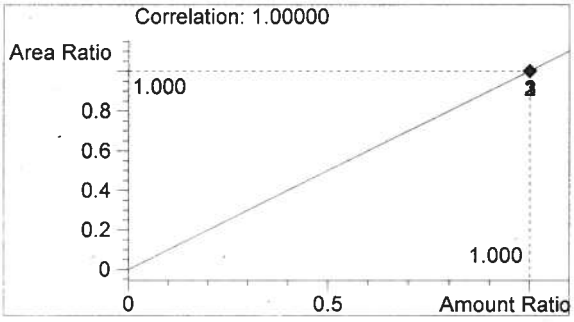


#	Compound	Area	RT
1	Ethanol	2009	1.064
2	n-Propanol	1447	1.824

Totals:



Ethanol 0.314 g/100ml



n-Propanol 1.000 g/100ml

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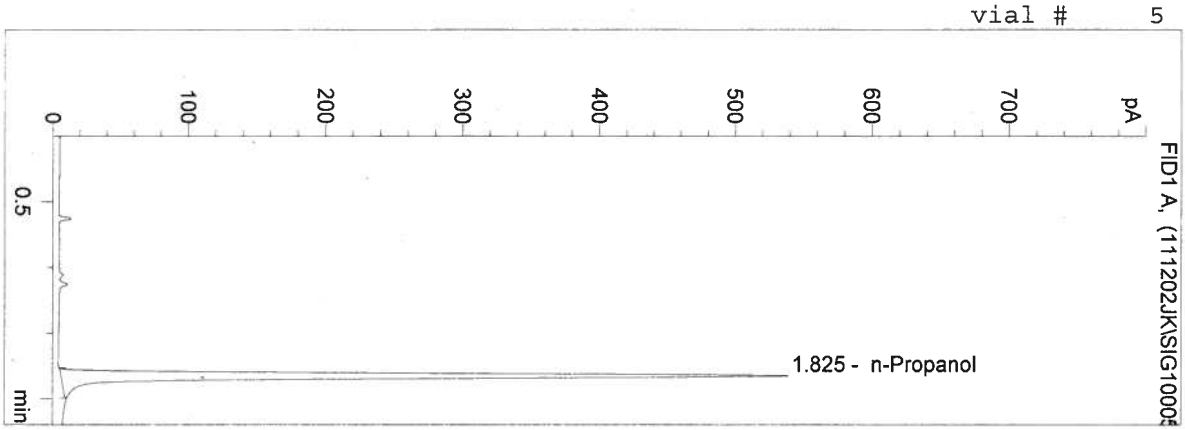
C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:36:42 AM
Instrument 3
DB-ALC2

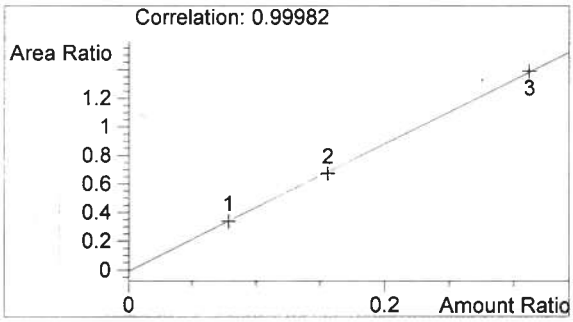
NEG CTRL JK
Justin Knoy

vial # 5

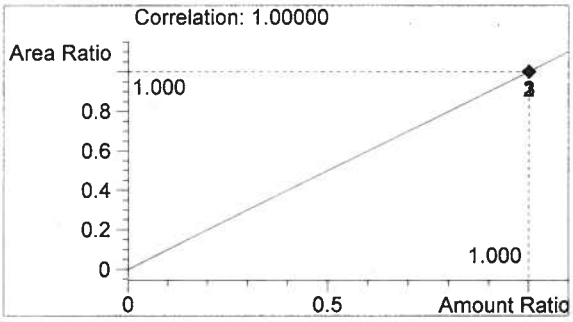


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1482	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11053

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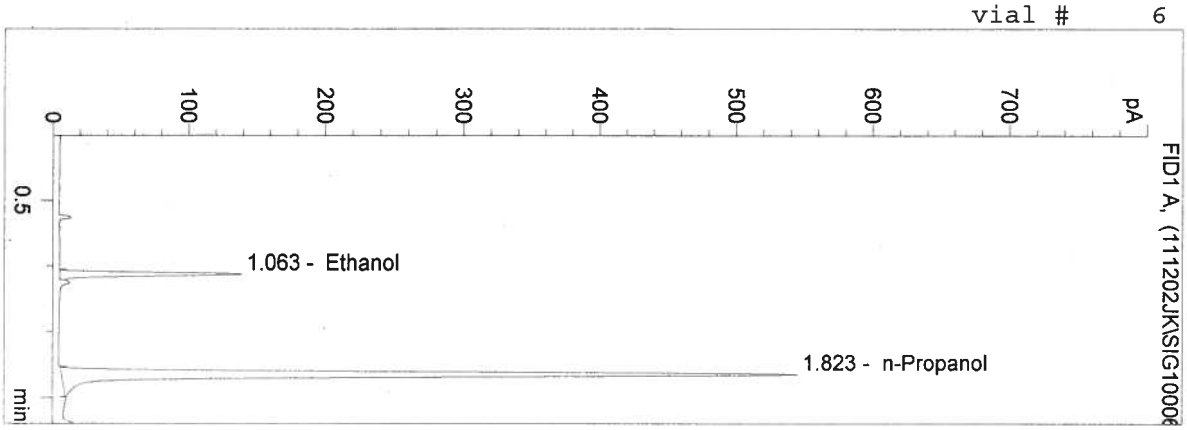
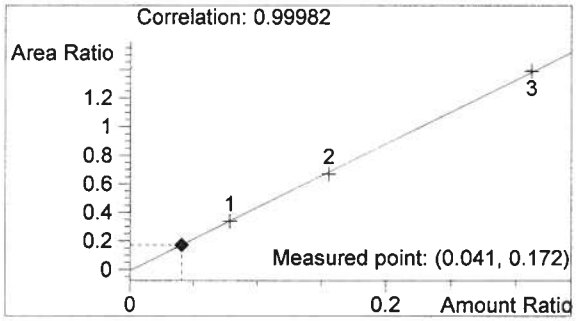
C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:39:49 AM
Instrument 3
DB-ALC2

0.04 CTRL JK
Justin Knoy

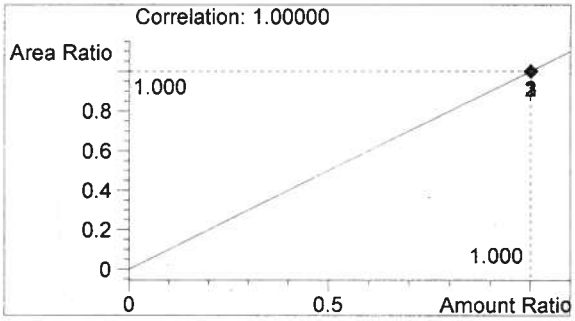
vial # 6



#	Compound	Area	RT
1	Ethanol	258	1.063
2	n-Propanol	1500	1.823
Totals:			



Ethanol 0.041 g/100ml



n-Propanol 1.000 g/100ml

11053

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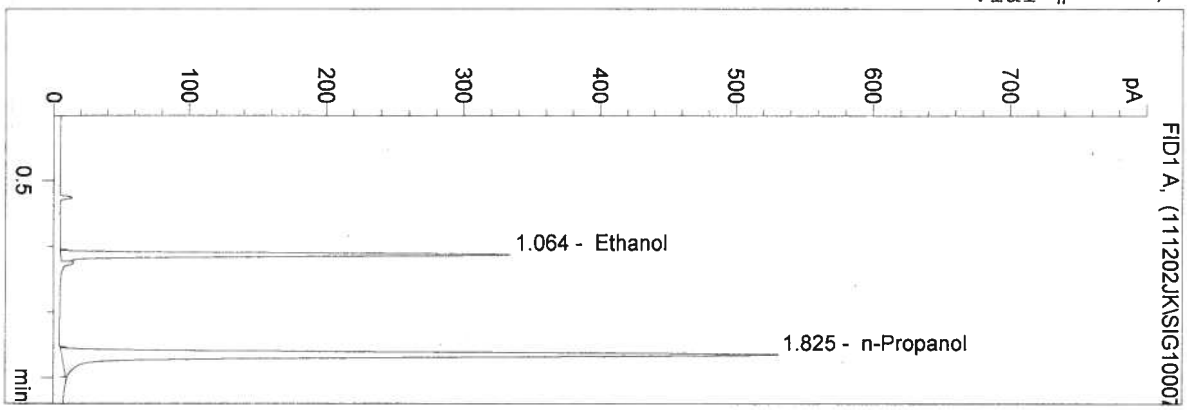
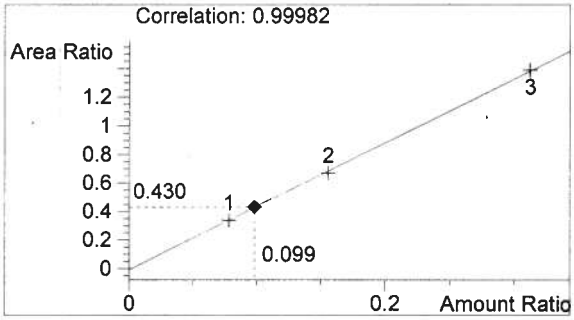
C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:42:57 AM
Instrument 3
DB-ALC2

0.10 CTRL JK
Justin Knoy

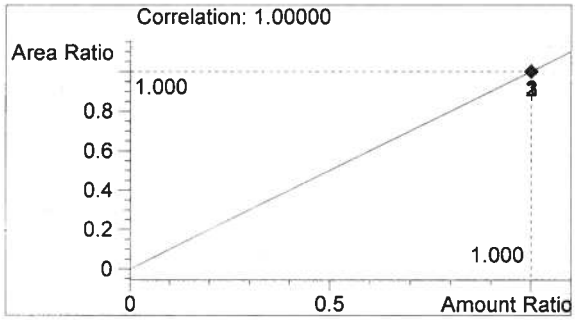
vial # 7



#	Compound	Area	RT
1	Ethanol	626	1.064
2	n-Propanol	1456	1.825
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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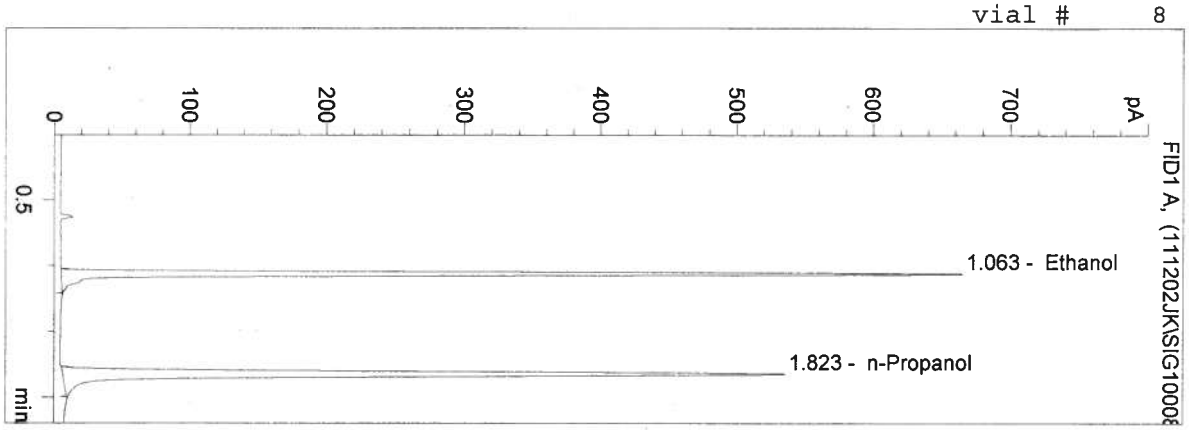
WASHINGTON STATE TOXICOLOGY LABORATORY

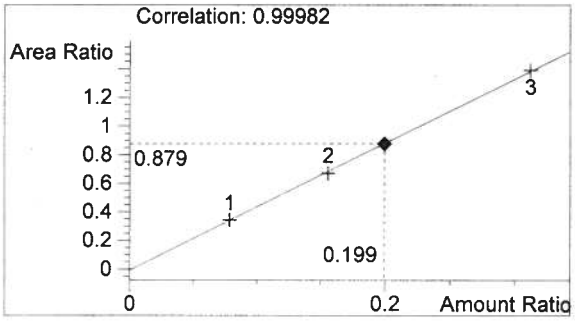
C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:46:04 AM
Instrument 3
DB-ALC2

0.20 CTRL JK
Justin Knoy

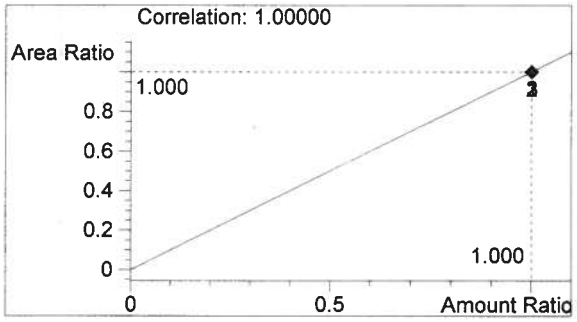
vial # 8



#	Compound	Area	RT
1	Ethanol	1292	1.063
2	n-Propanol	1470	1.823
Totals:			



Ethanol 0.199 g/100ml



n-Propanol 1.000 g/100ml

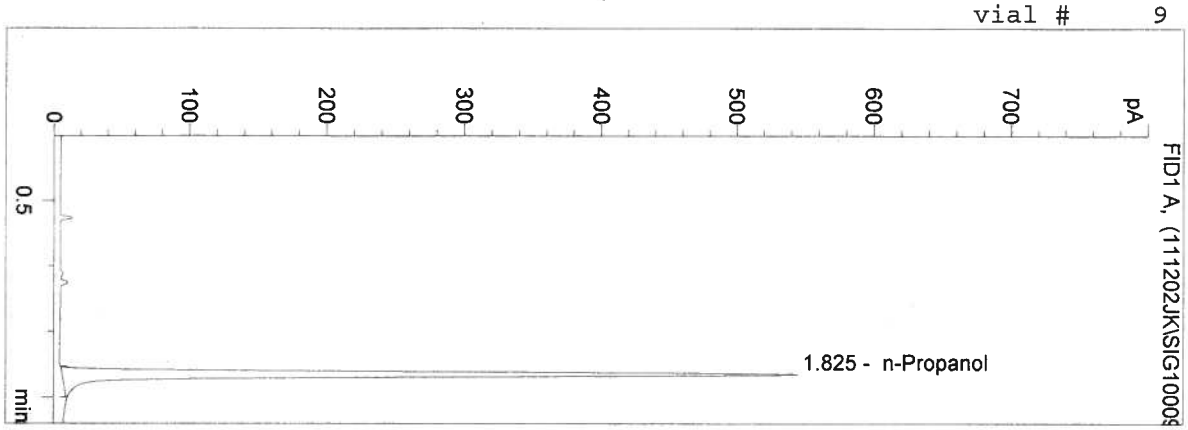
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

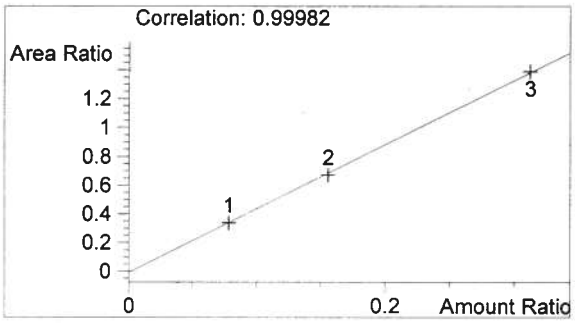
C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:49:11 AM
Instrument 3
DB-ALC2

NEG CTRL JK
Justin Knoy

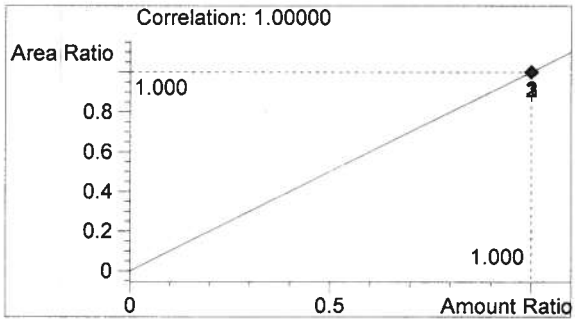
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1500	1.825
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

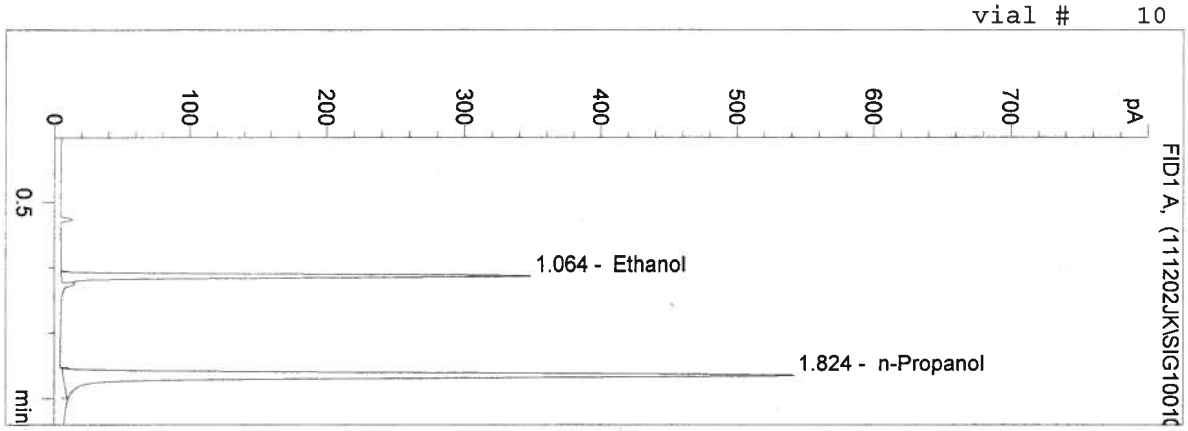
11053

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:52:19 AM
Instrument 3
DB-ALC2

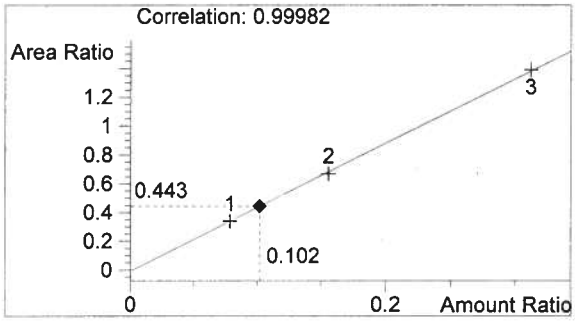
11053-1
Justin Knoy

vial # 10

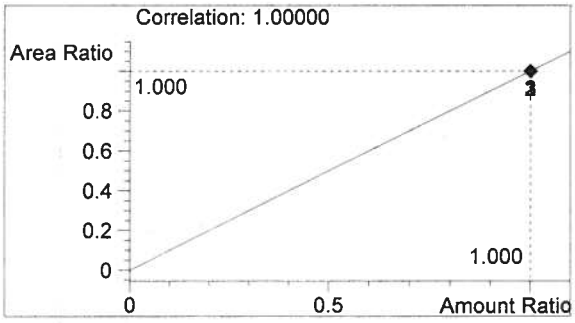


#	Compound	Area	RT
1	Ethanol	662	1.064
2	n-Propanol	1492	1.824

Totals:



Ethanol 0.102 g/100ml



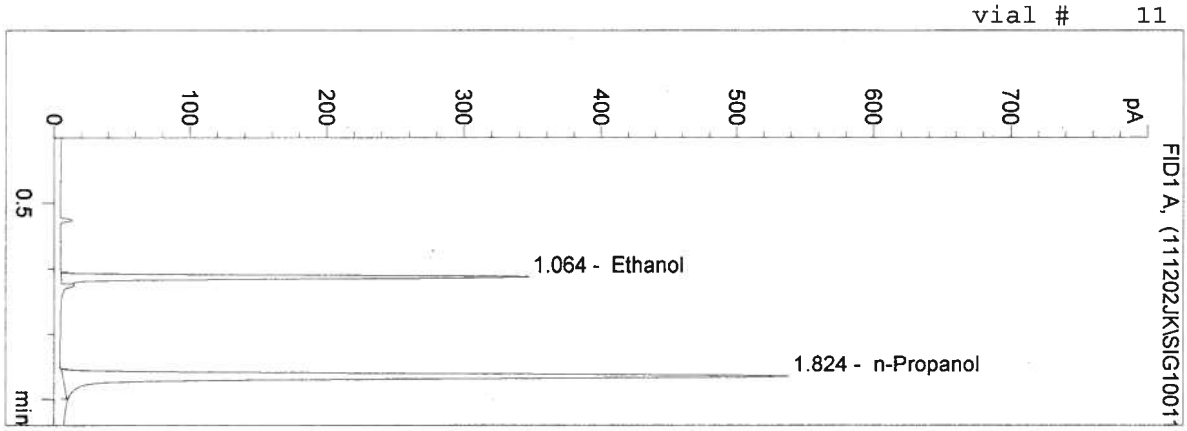
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

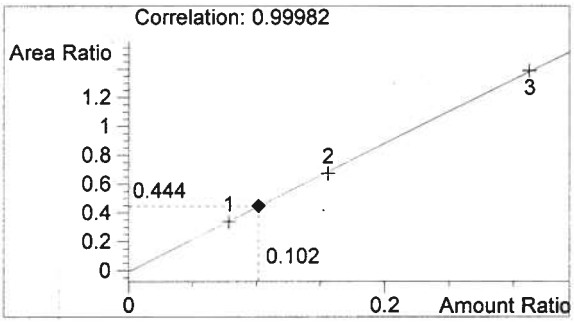
C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:55:26 AM
Instrument 3
DB-ALC2

11053-2
Justin Knoy

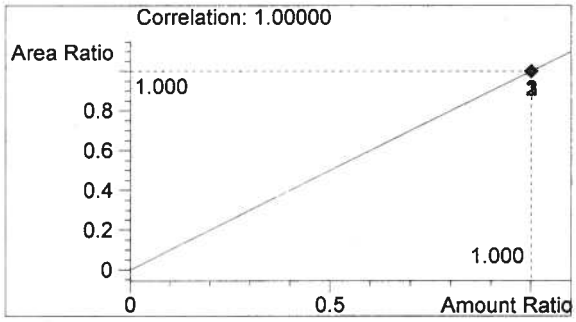
vial # 11



#	Compound	Area	RT
1	Ethanol	658	1.064
2	n-Propanol	1479	1.824
Totals:			



Ethanol 0.102 g/100ml



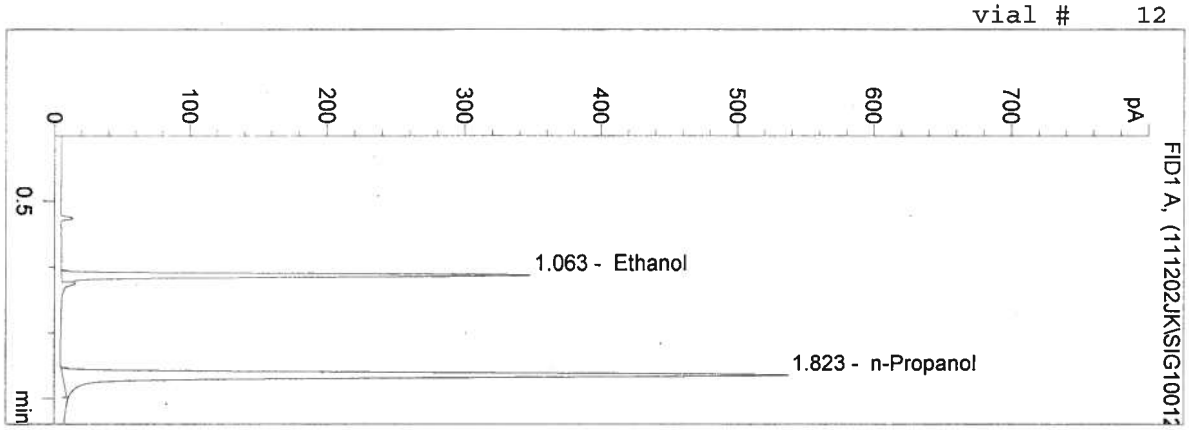
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/2/2011 10:58:33 AM
Instrument 3
DB-ALC2

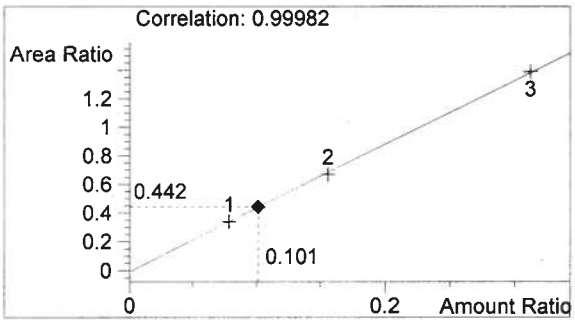
11053-3
Justin Knoy

vial # 12

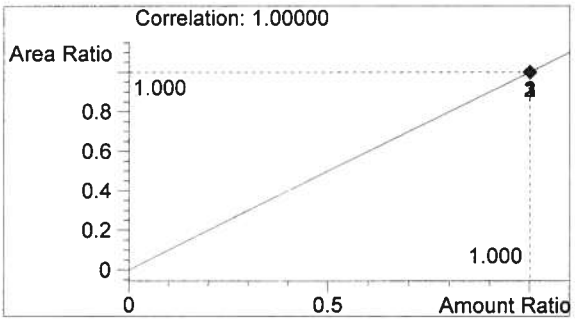


#	Compound	Area	RT
1	Ethanol	651	1.063
2	n-Propanol	1474	1.823

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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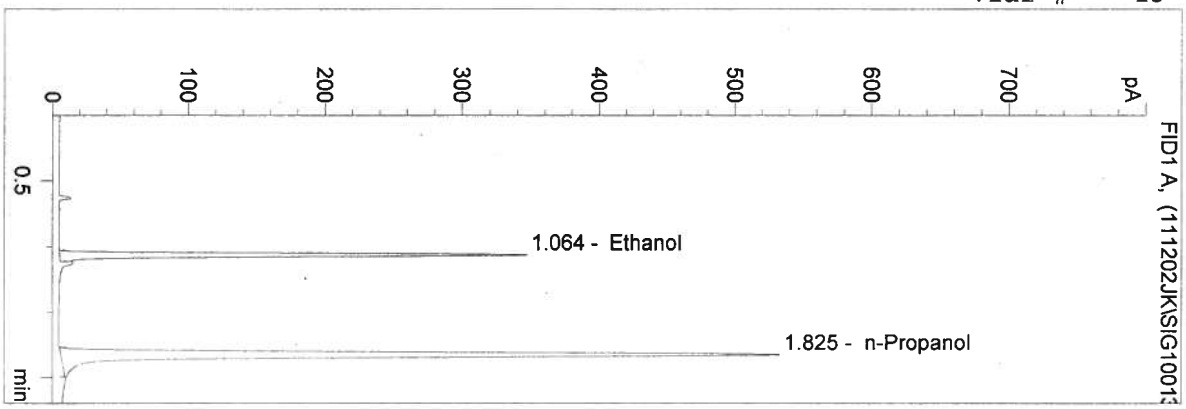
12/2/2011 11:01:41 AM
Instrument 3
DB-ALC2

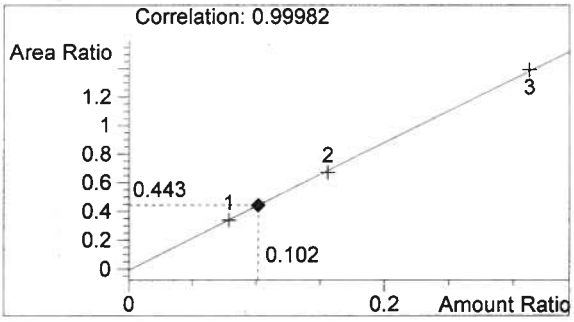
11053-4
Justin Knoy

vial # 13

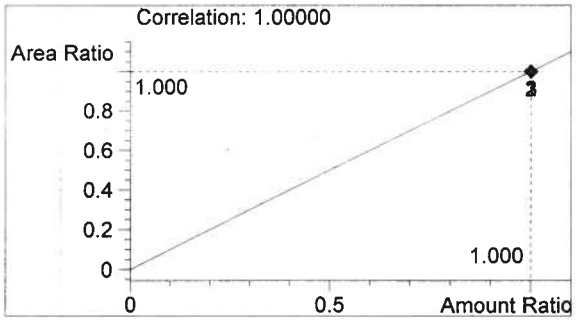


#	Compound	Area	RT
1	Ethanol	645	1.064
2	n-Propanol	1457	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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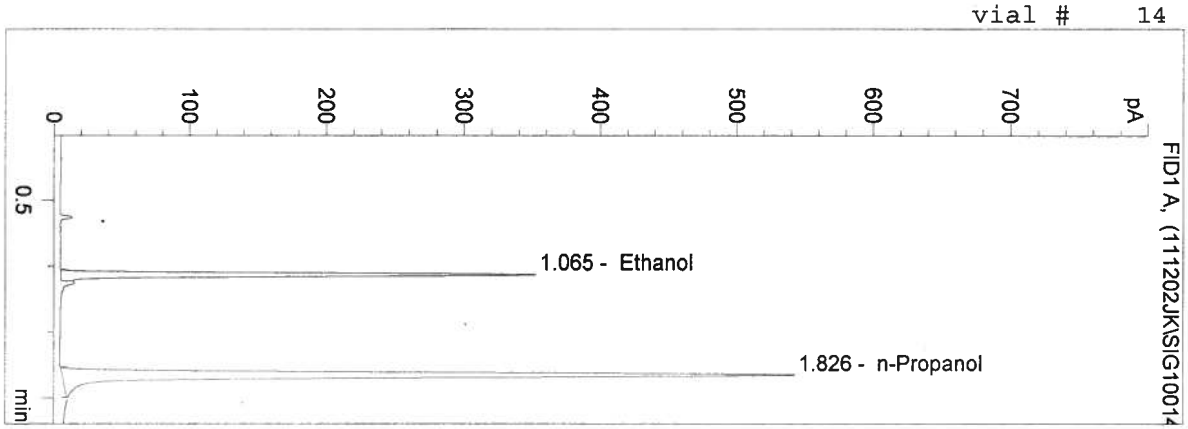
Instrument 3
DB-ALC2

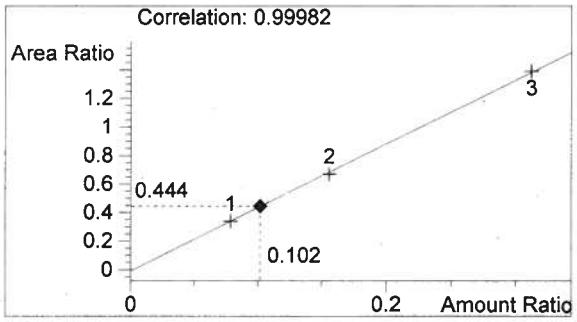
11053-5
Justin Knoy

vial # 14

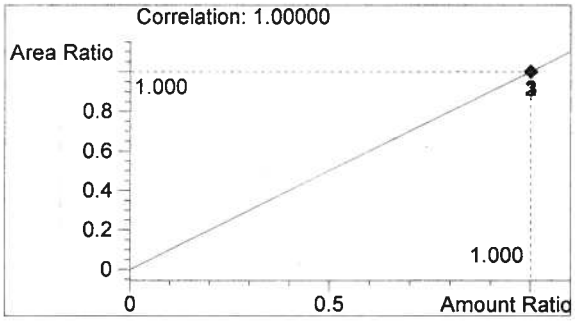


#	Compound	Area	RT
1	Ethanol	662	1.065
2	n-Propanol	1491	1.826

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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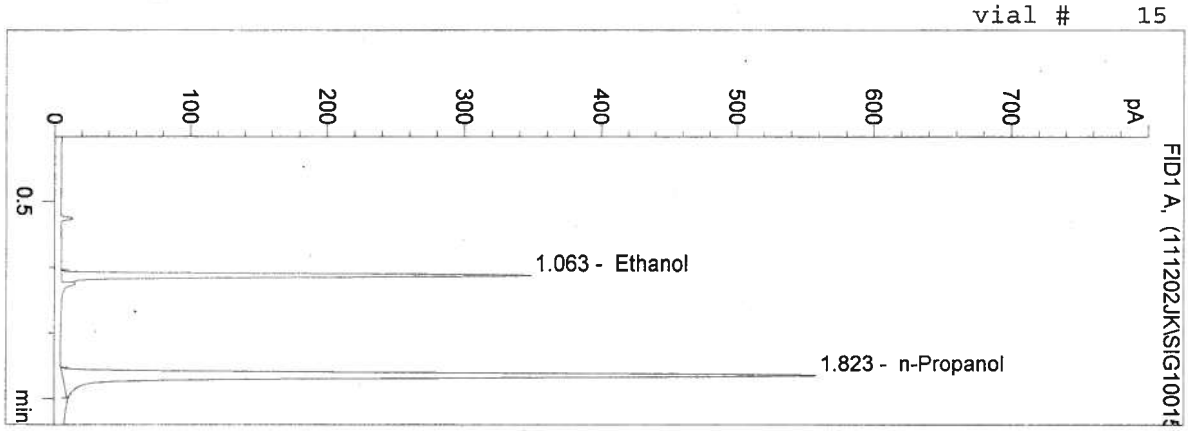
12/2/2011 11:07:56 AM
Instrument 3
DB-ALC2

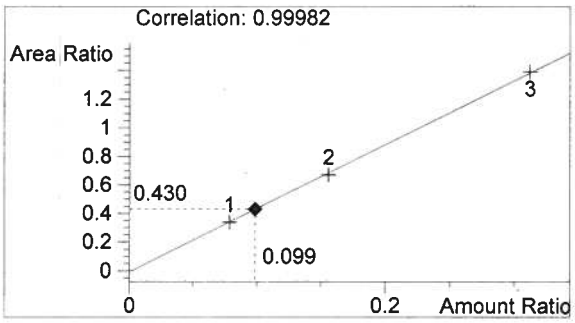
0.10 CTRL JK
Justin Knoy

vial # 15

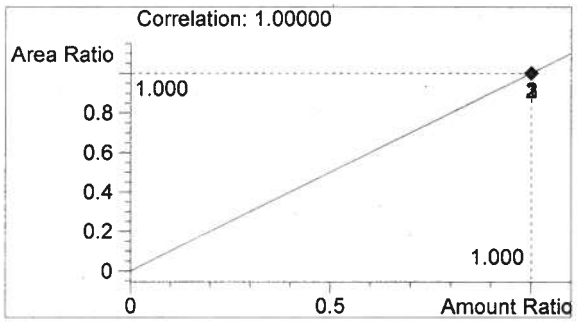


#	Compound	Area	RT
1	Ethanol	660	1.063
2	n-Propanol	1535	1.823

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

11053

WASHINGTON STATE TOXICOLOGY LABORATORY

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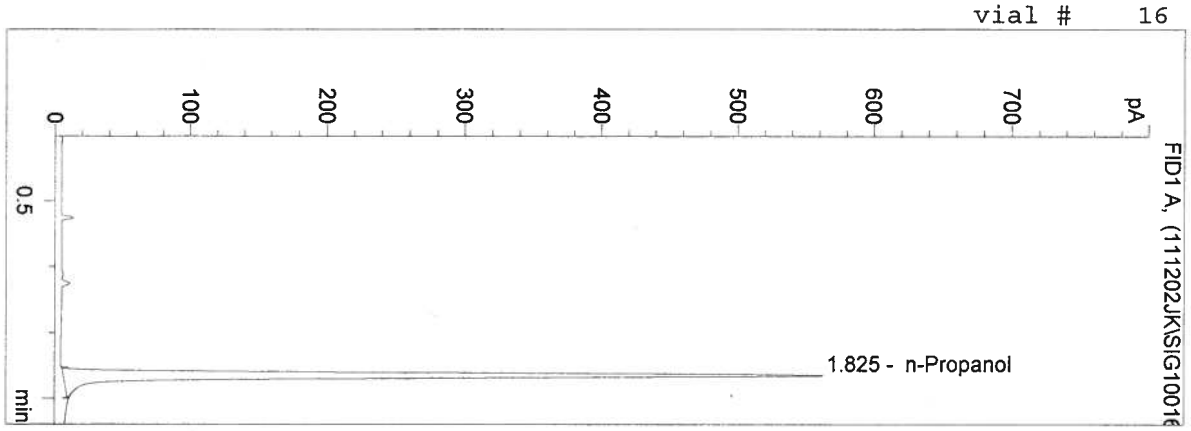
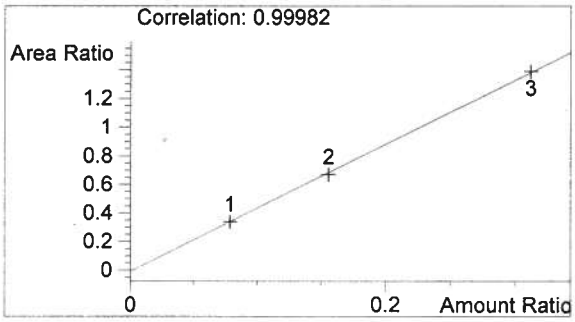
12/2/2011 11:11:03 AM
Instrument 3
DB-ALC2

NEG CTRL JK
Justin Knoy

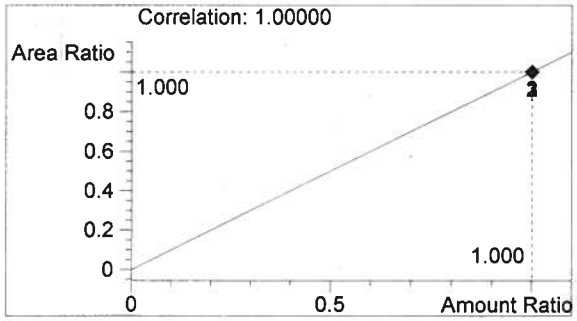
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1547	1.825
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11053

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:	111205NN
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	

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NN 12/3/11

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 11053-1	SIMALC3	1	Sample		
11	Vial 11	ESS 11053-2	SIMALC3	1	Sample		
12	Vial 12	ESS 11053-3	SIMALC3	1	Sample		
13	Vial 13	ESS 11053-4	SIMALC3	1	Sample		
14	Vial 14	ESS 11053-5	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!

11053

NN 12/5/11

Calibration Table

Calib. Data Modified : Monday, December 05, 2011 1:35:21 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	494.27591	1.59081e-4	1		Ethanol
		2	1.55890e-1	1010.28223	1.54303e-4			
		3	3.12180e-1	2016.96631	1.54777e-4			
1.823	1	1	1.00000	1458.18787	6.85783e-4	I1		n-Propanol
		2	1.00000	1458.17957	6.85787e-4			
		3	1.00000	1459.69556	6.85074e-4			

Peak Sum Table

No Entries in table

11053

NN
12/5/11

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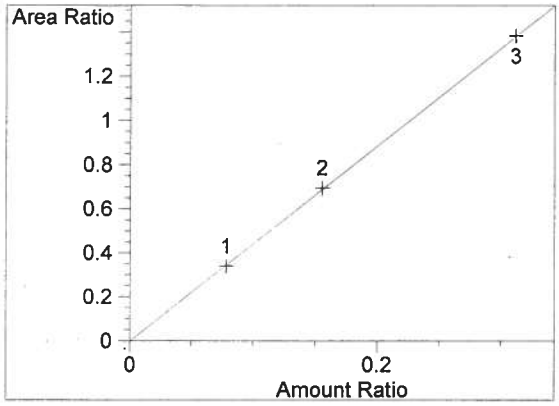
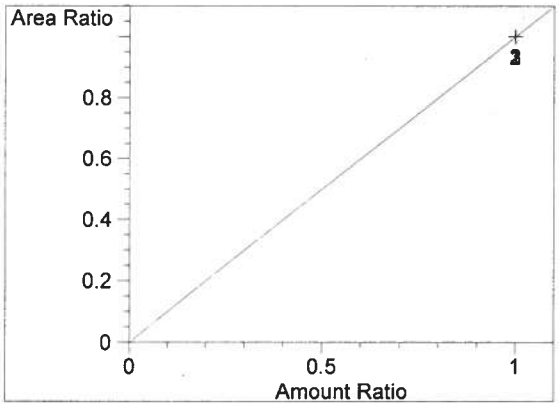
Calibration Curves

==========



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00609
Formula: y = mx + b
m: 4.43712
b: -3.04878e-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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NN
12/5/11

WASHINGTON STATE TOXICOLOGY LABORATORY

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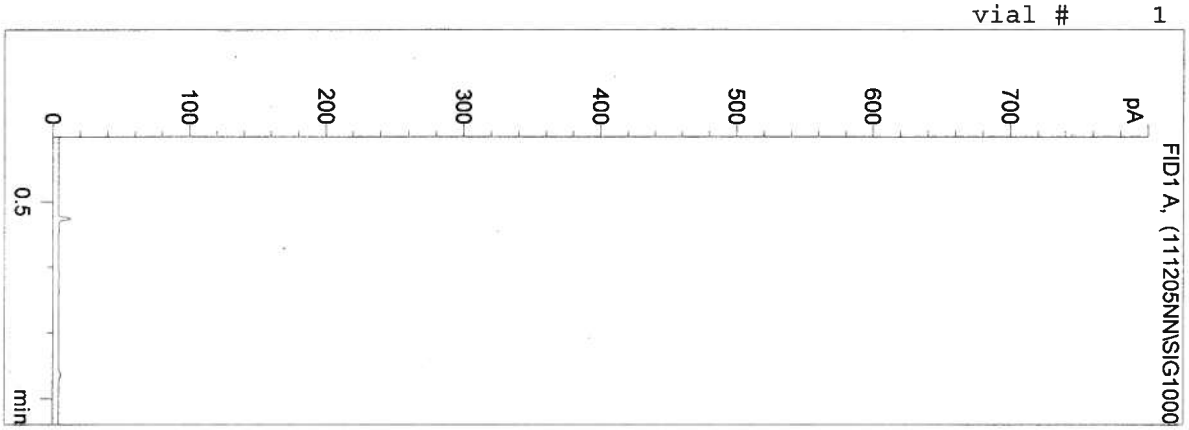
12/5/2011 1:23:47 PM
Instrument 3
DB-ALC2

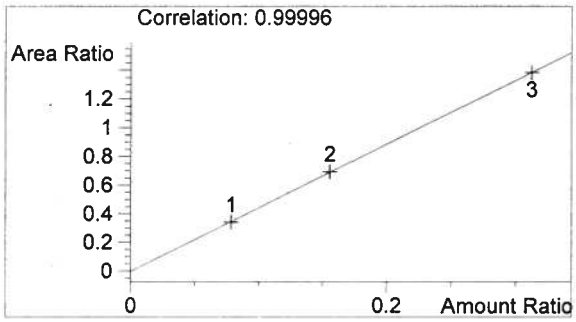
BLANK
Naziha Nuwayhid, PhD

vial # 1

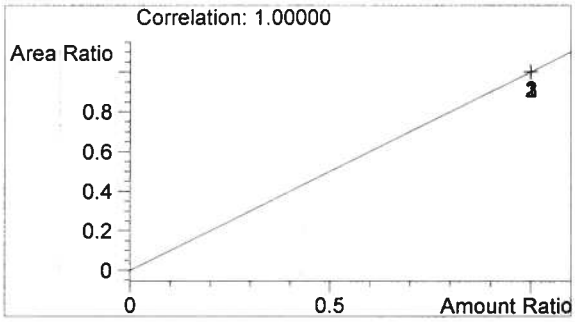


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

11053

NN
12/5/11

WASHINGTON STATE TOXICOLOGY LABORATORY

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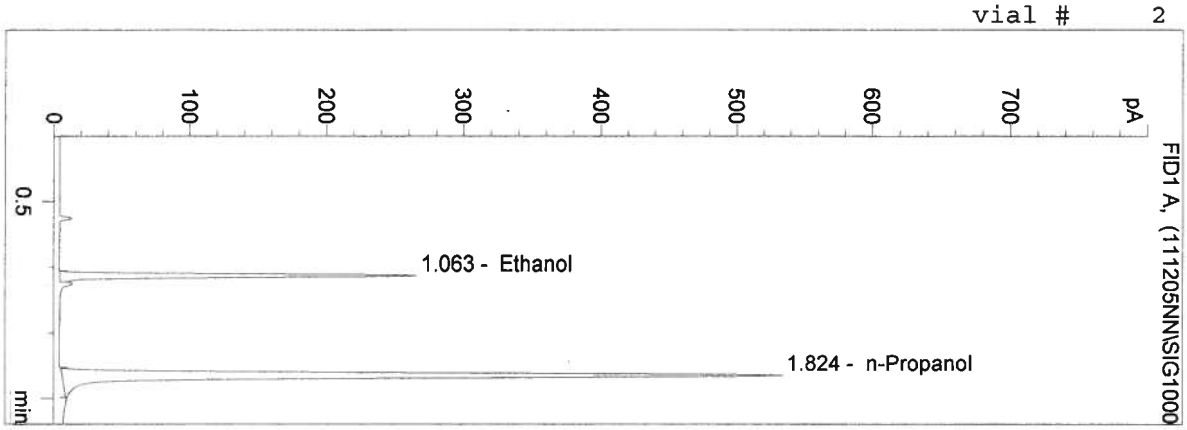
12/5/2011 1:26:54 PM
Instrument 3
DB-ALC2

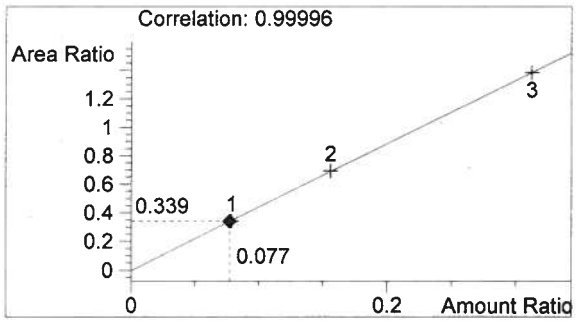
0.079 CAL 1
Naziha Nuwayhid, PhD

vial # 2

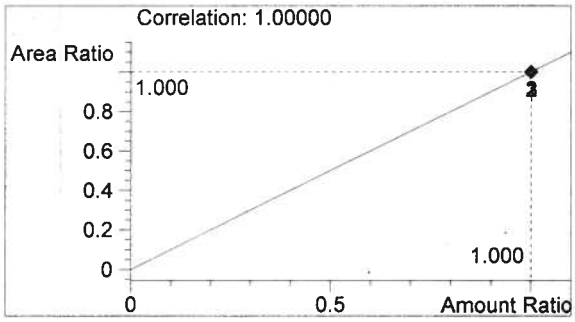


#	Compound	Area	RT
1	Ethanol	494	1.063
2	n-Propanol	1458	1.824

Totals:



Ethanol 0.077 g/100ml



n-Propanol 1.000 g/100ml

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NN
12/5/11

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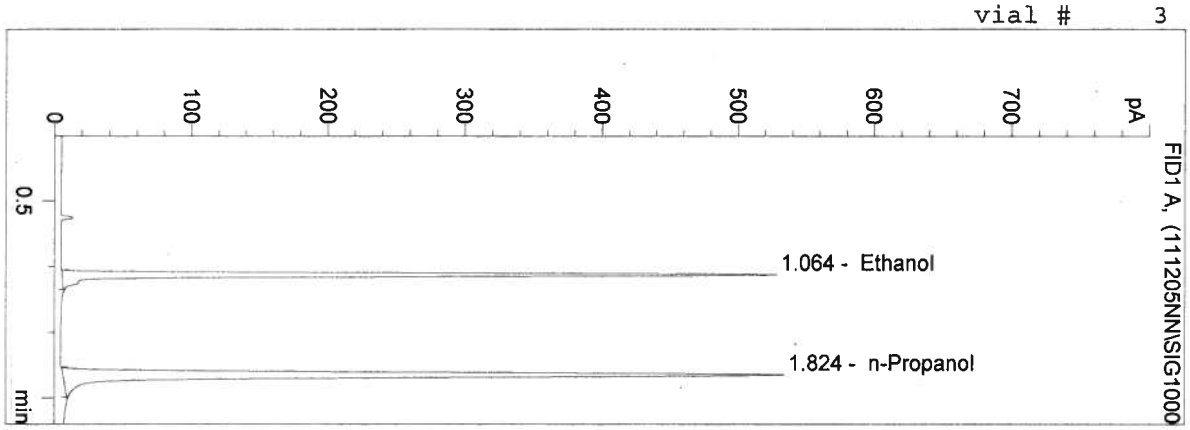
12/5/2011 1:30:02 PM
Instrument 3
DB-ALC2

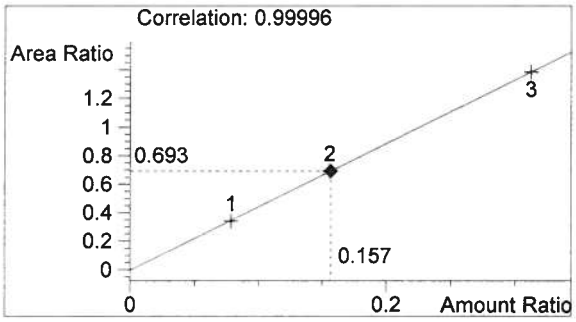
0.158 CAL 2
Naziha Nuwayhid, PhD

vial # 3

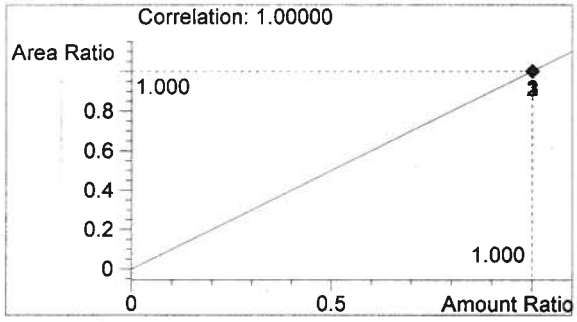


#	Compound	Area	RT
1	Ethanol	1010	1.064
2	n-Propanol	1458	1.824

Totals:



Ethanol 0.157 g/100ml



n-Propanol 1.000 g/100ml

11053

NN
12/5/11

WASHINGTON STATE TOXICOLOGY LABORATORY

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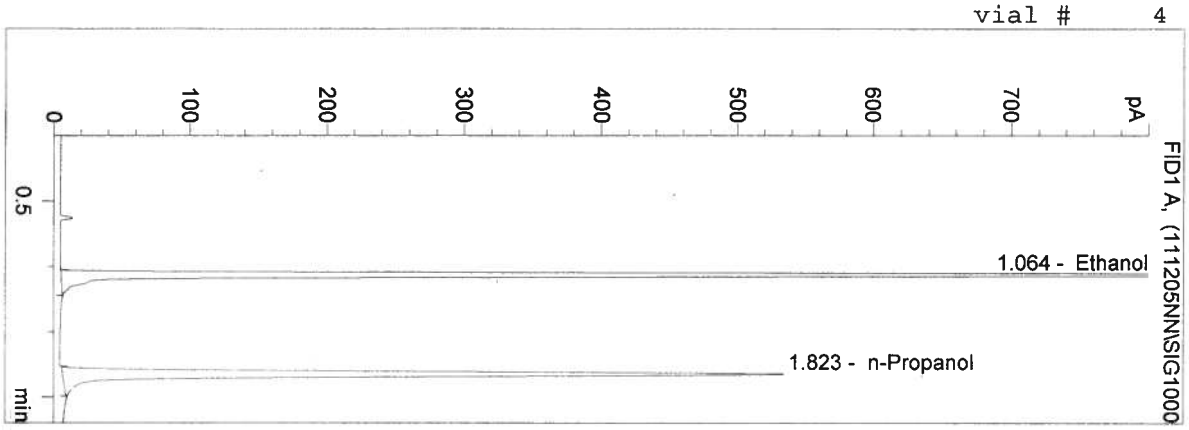
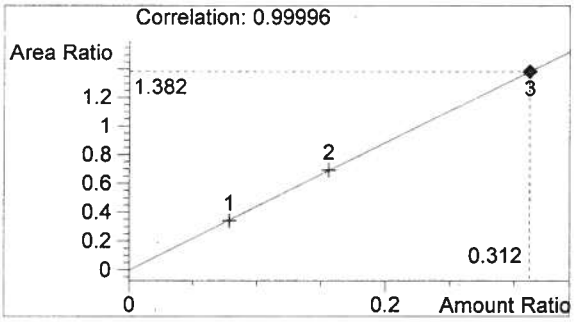
12/5/2011 1:33:09 PM
Instrument 3
DB-ALC2

0.316 CAL 3
Naziha Nuwayhid, PhD

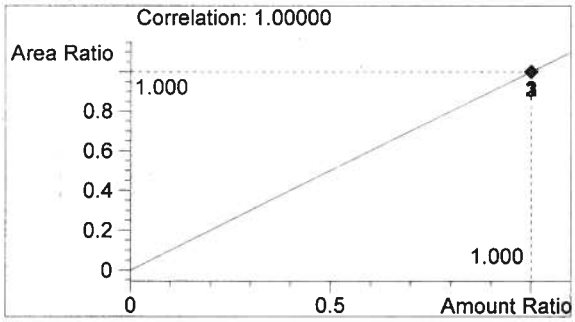
vial # 4



#	Compound	Area	RT
1	Ethanol	2017	1.064
2	n-Propanol	1460	1.823
Totals:			



Ethanol 0.312 g/100ml



n-Propanol 1.000 g/100ml

11053

NN
12/5/11

WASHINGTON STATE TOXICOLOGY LABORATORY

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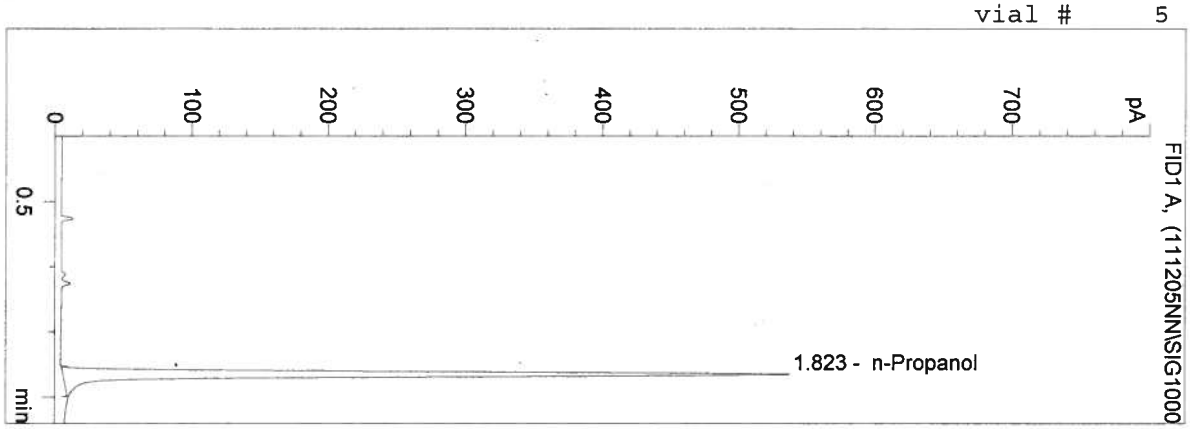
Instrument 3
DB-ALC2

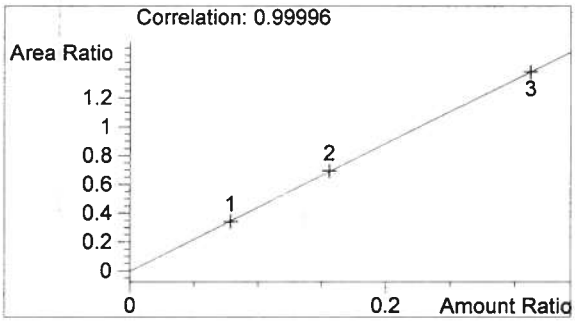
NEG CTRL-NN
Naziha Nuwayhid, PhD

vial # 5

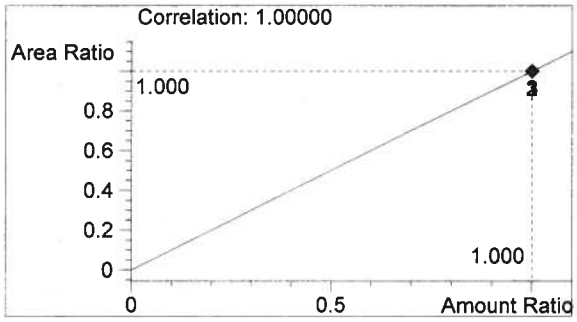


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1477	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11053

NN
12/5/11

WASHINGTON STATE TOXICOLOGY LABORATORY

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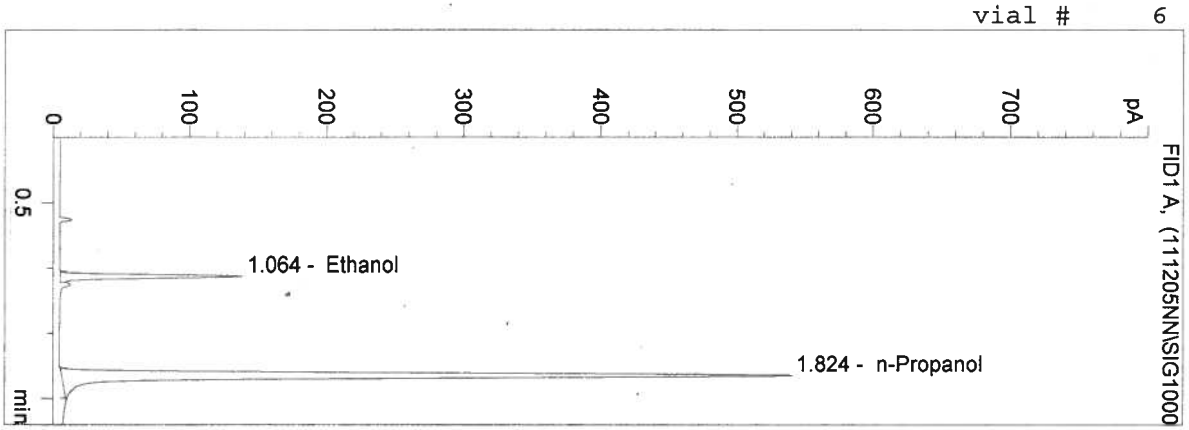
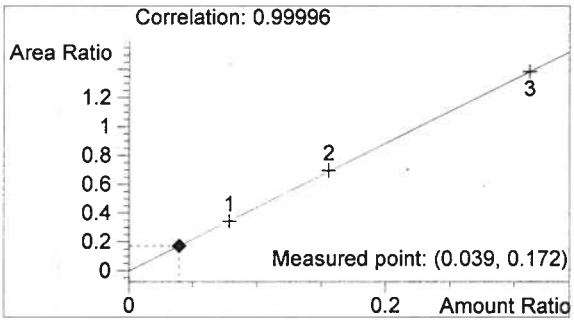
12/5/2011 1:39:23 PM
Instrument 3
DB-ALC2

0.04 CTRL-NN
Naziha Nuwayhid, PhD

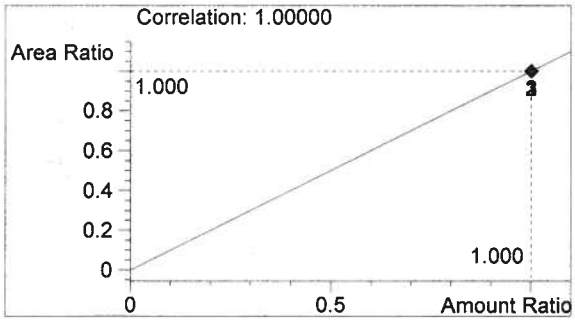
vial # 6



#	Compound	Area	RT
1	Ethanol	254	1.064
2	n-Propanol	1482	1.824
Totals:			



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

11053

NN
12/5/11

WASHINGTON STATE TOXICOLOGY LABORATORY

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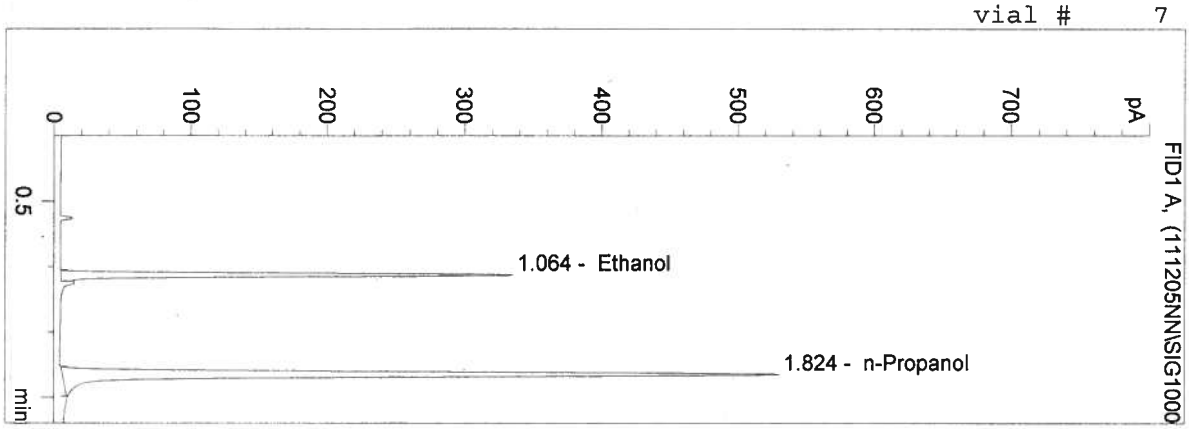
12/5/2011 1:42:30 PM
Instrument 3
DB-ALC2

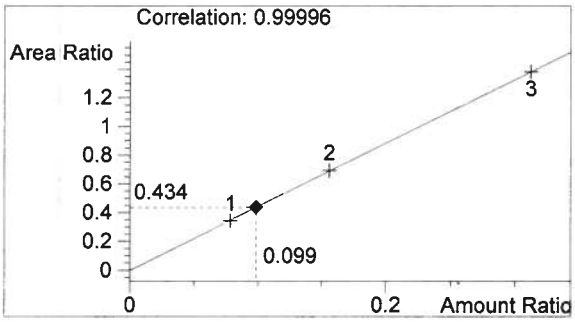
0.10 CTRL-NN
Naziha Nuwayhid, PhD

vial # 7

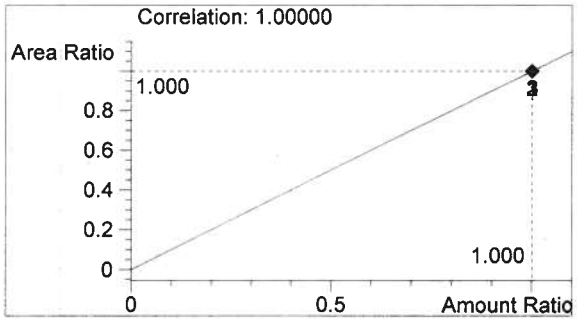


#	Compound	Area	RT
1	Ethanol	631	1.064
2	n-Propanol	1452	1.824

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

11053

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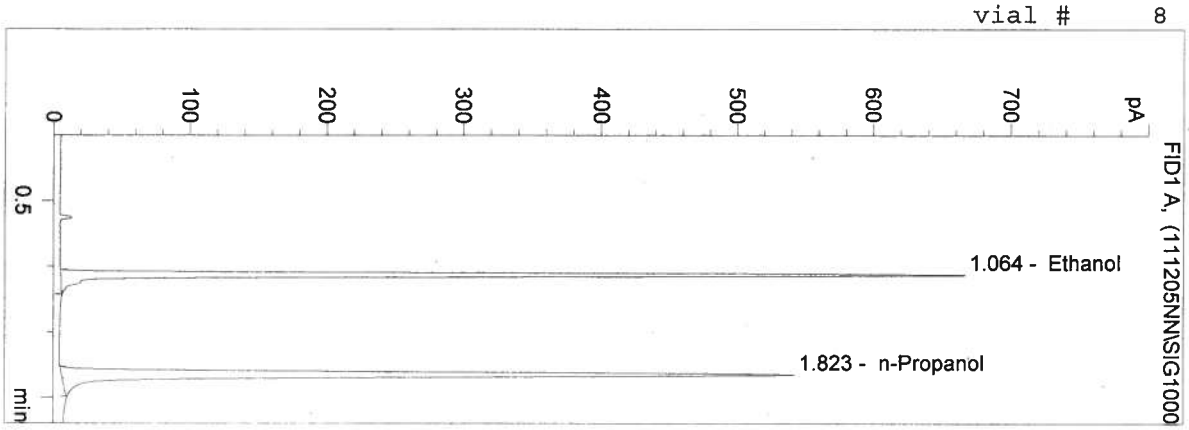
12/5/11

WASHINGTON STATE TOXICOLOGY LABORATORY

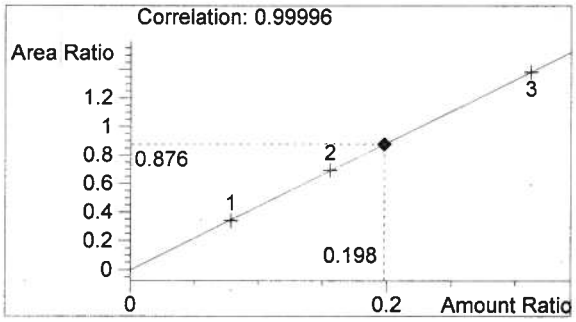
C:\HPCHEM\2\METHODS\SIMALC3.M
12/5/2011 1:45:38 PM
Instrument 3
DB-ALC2

0.20 CTRL-NN
Naziha Nuwayhid, PhD

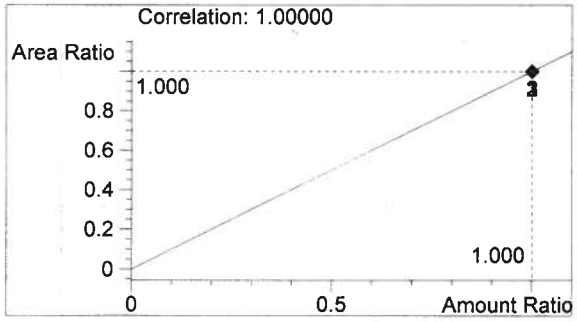
vial # 8



#	Compound	Area	RT
1	Ethanol	1306	1.064
2	n-Propanol	1491	1.823
Totals:			



Ethanol 0.198 g/100ml



n-Propanol 1.000 g/100ml

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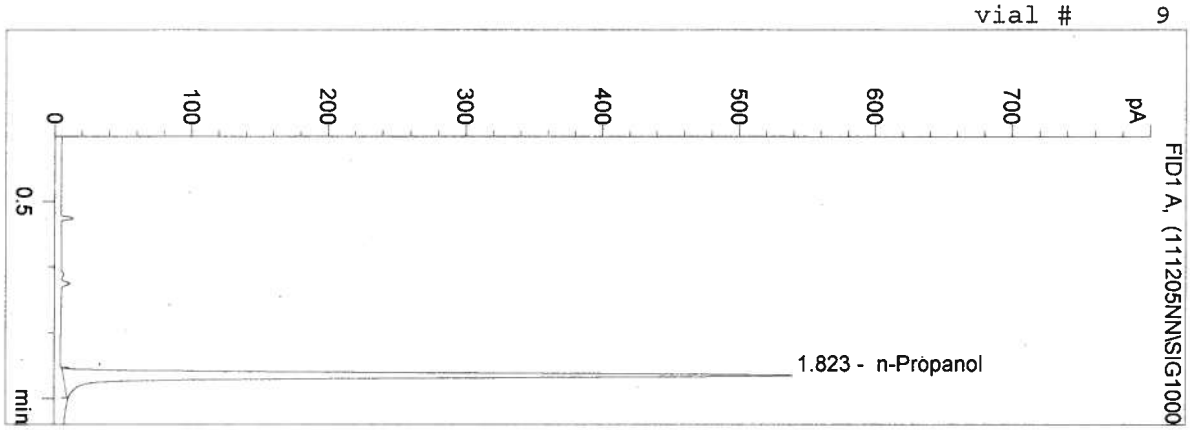
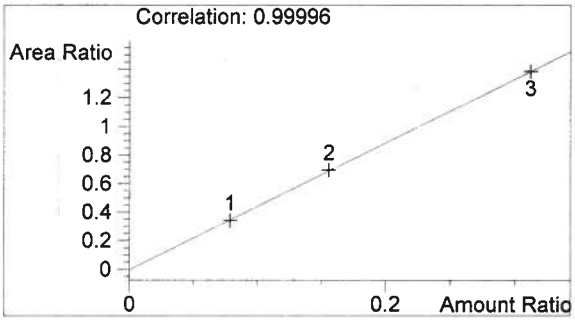
Instrument 3
DB-ALC2

NEG CTRL-NN
Naziha Nuwayhid, PhD

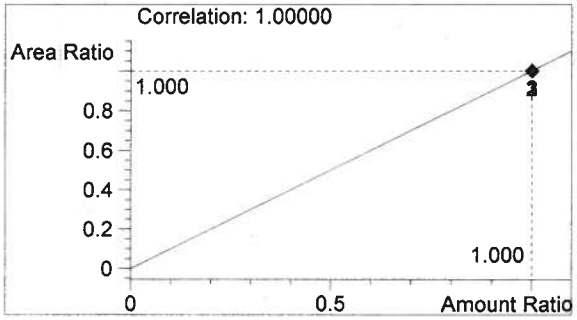
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1480	1.823
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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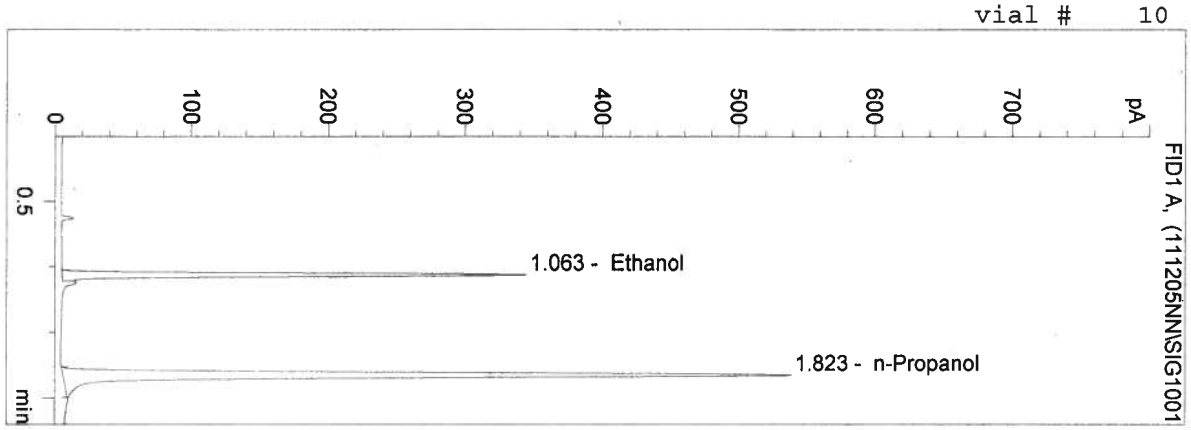
Instrument 3
DB-ALC2

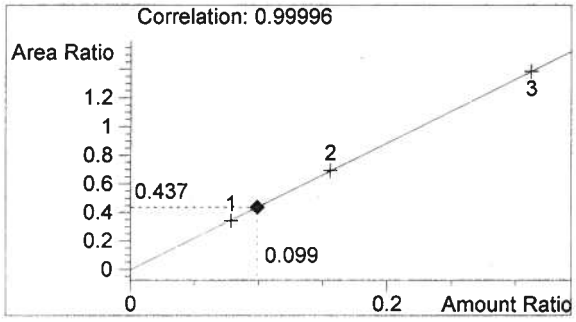
ESS 11053-1
Naziha Nuwayhid, PhD

vial # 10

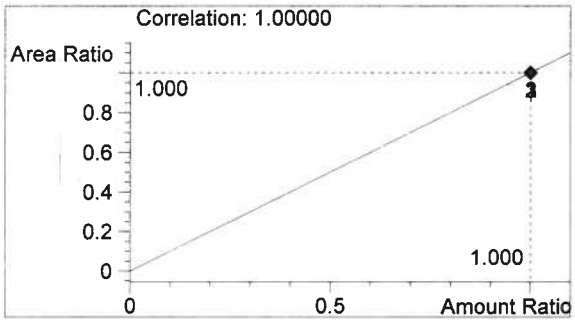


#	Compound	Area	RT
1	Ethanol	645	1.063
2	n-Propanol	1476	1.823

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

NN 12/5/11

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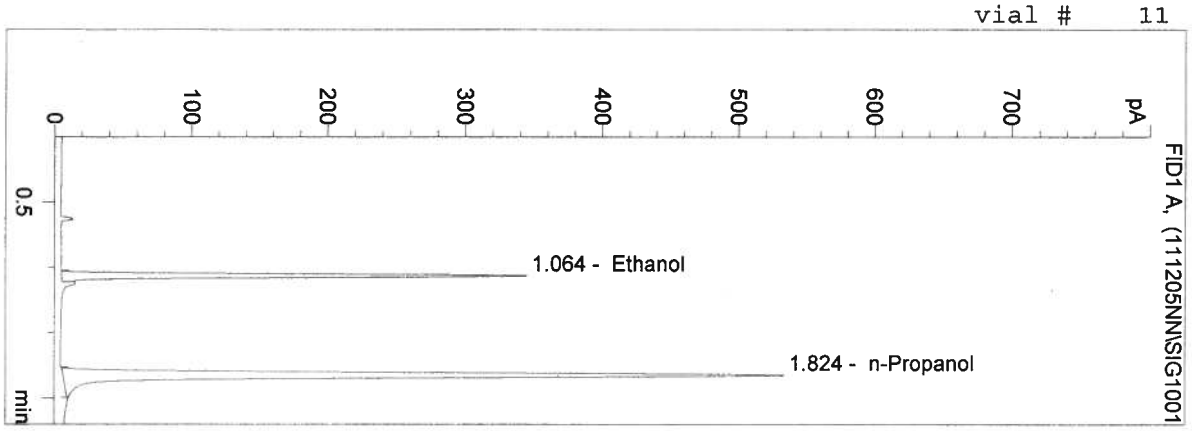
Instrument 3
DB-ALC2

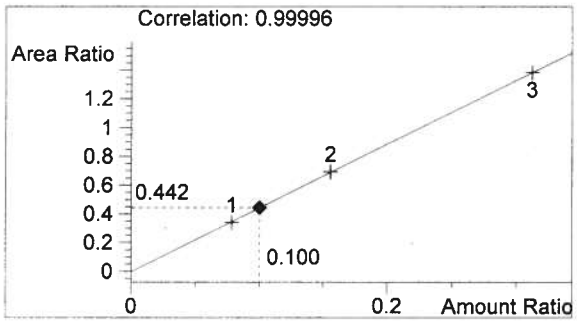
ESS 11053-2
Naziha Nuwayhid, PhD

vial # 11

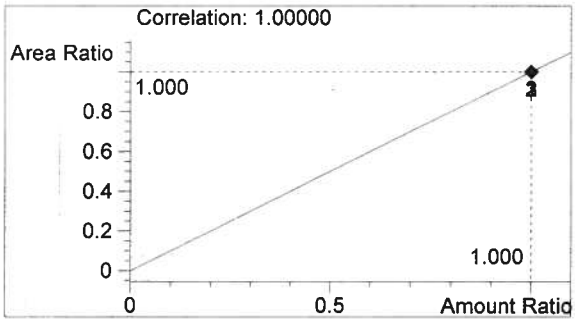


#	Compound	Area	RT
1	Ethanol	647	1.064
2	n-Propanol	1463	1.824

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

NN 12/5/11

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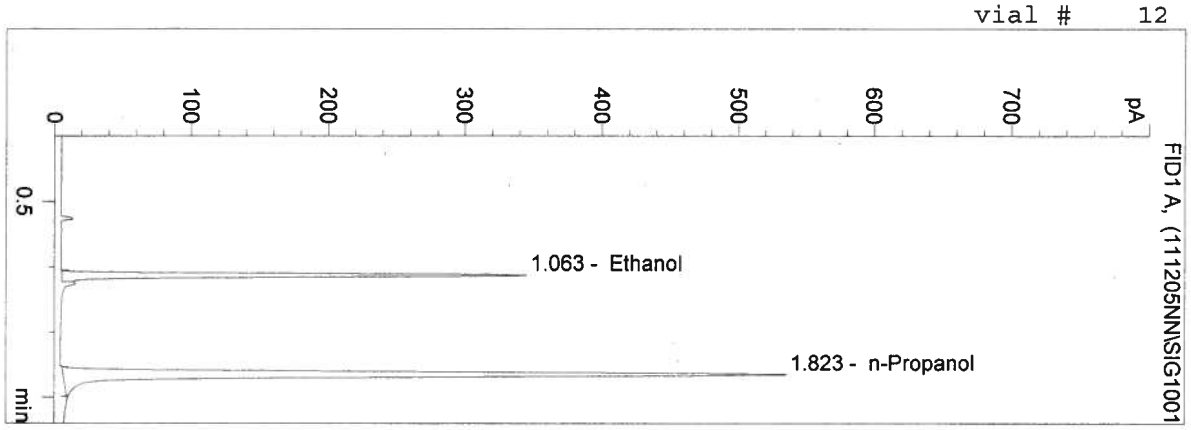
Instrument 3
DB-ALC2

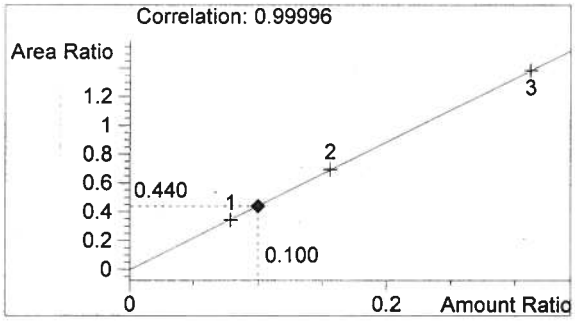
ESS 11053-3
Naziha Nuwayhid, PhD

vial # 12

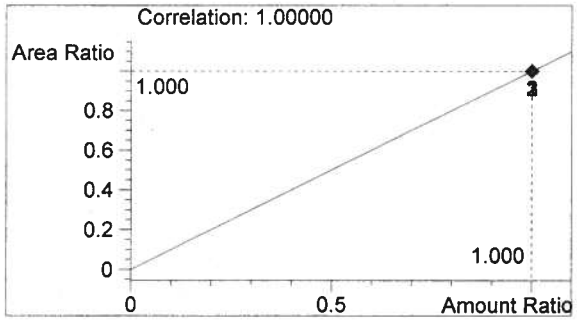


#	Compound	Area	RT
1	Ethanol	643	1.063
2	n-Propanol	1464	1.823

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

NN 12/5/11

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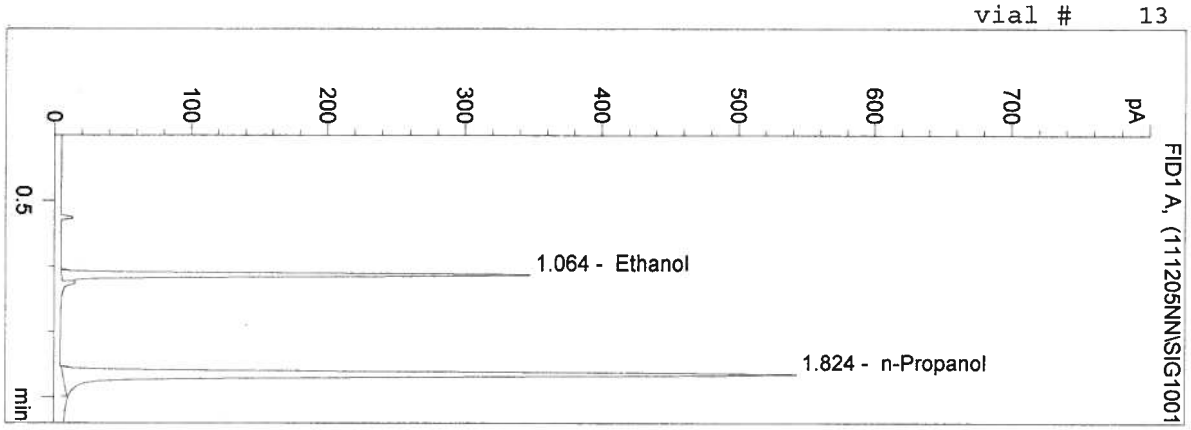
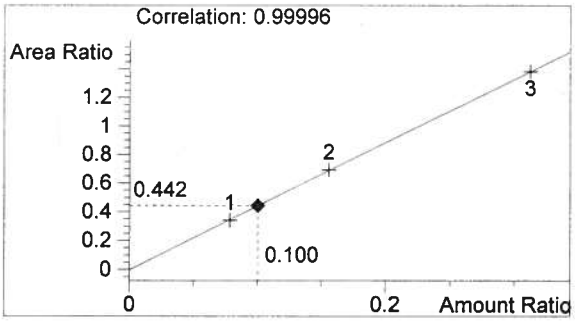
12/5/2011 2:01:14 PM
Instrument 3
DB-ALC2

ESS 11053-4
Naziha Nuwayhid, PhD

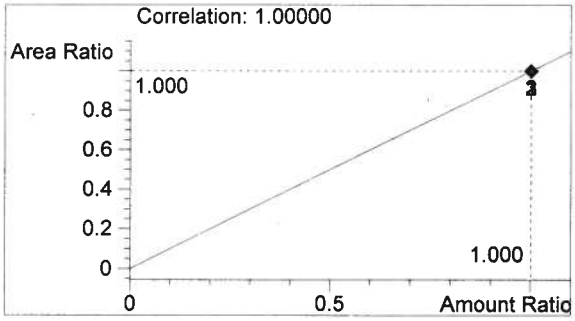
vial # 13



#	Compound	Area	RT
1	Ethanol	662	1.064
2	n-Propanol	1497	1.824
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

NN 12/7/11

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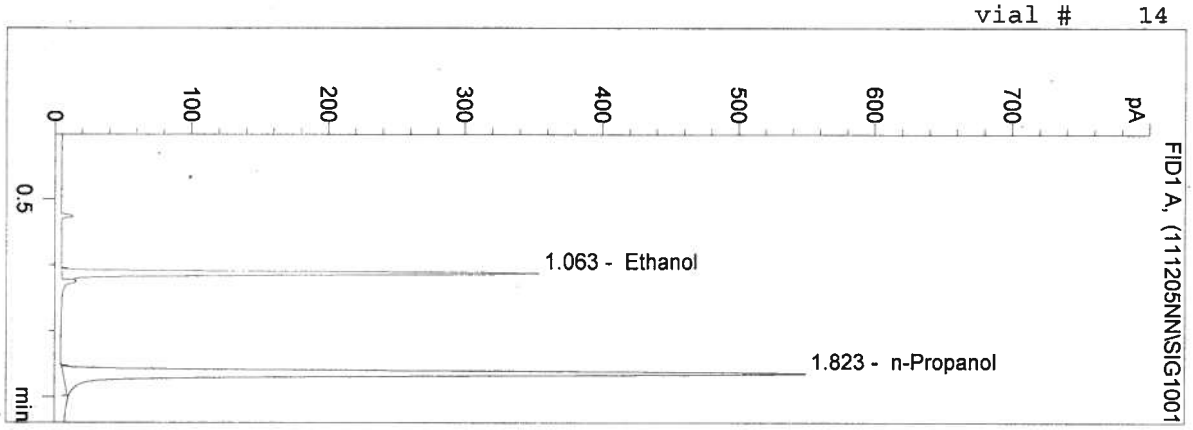
Instrument 3
DB-ALC2

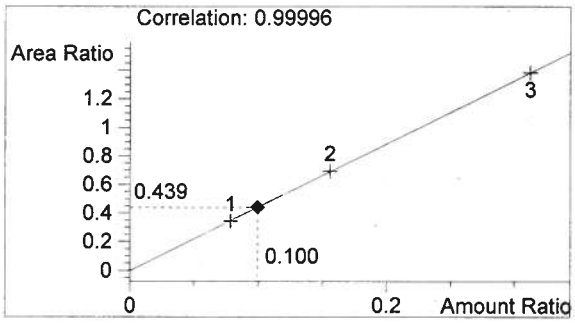
ESS 11053-5
Naziha Nuwayhid, PhD

vial # 14

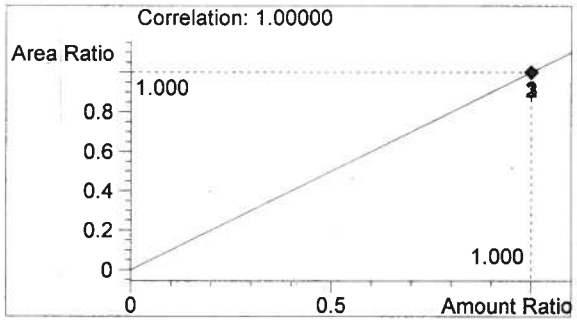


#	Compound	Area	RT
1	Ethanol	660	1.063
2	n-Propanol	1502	1.823

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

NN 12/5/11

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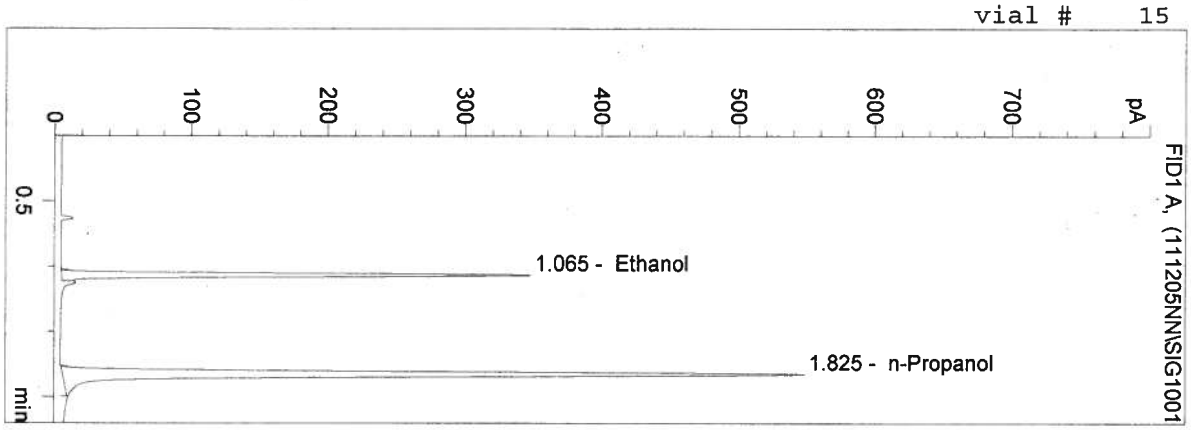
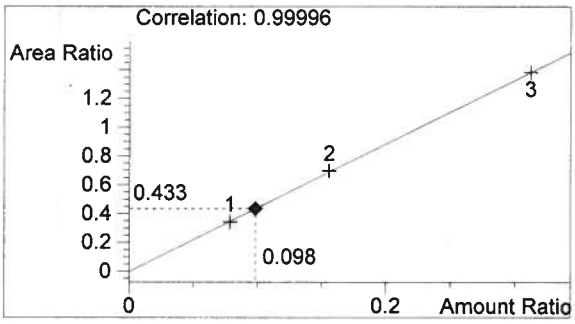
Instrument 3
DB-ALC2

0.10 CTRL-NN
Naziha Nuwayhid, PhD

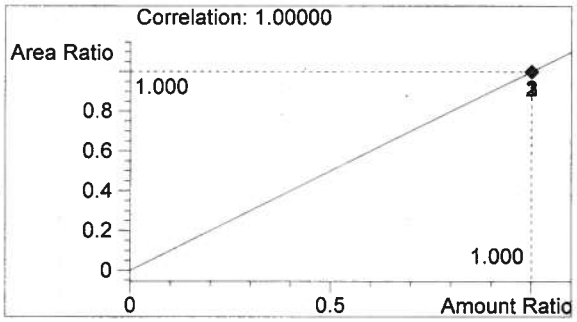
vial # 15



#	Compound	Area	RT
1	Ethanol	651	1.065
2	n-Propanol	1504	1.825
Totals:			



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

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NN 12/7/11

WASHINGTON STATE TOXICOLOGY LABORATORY

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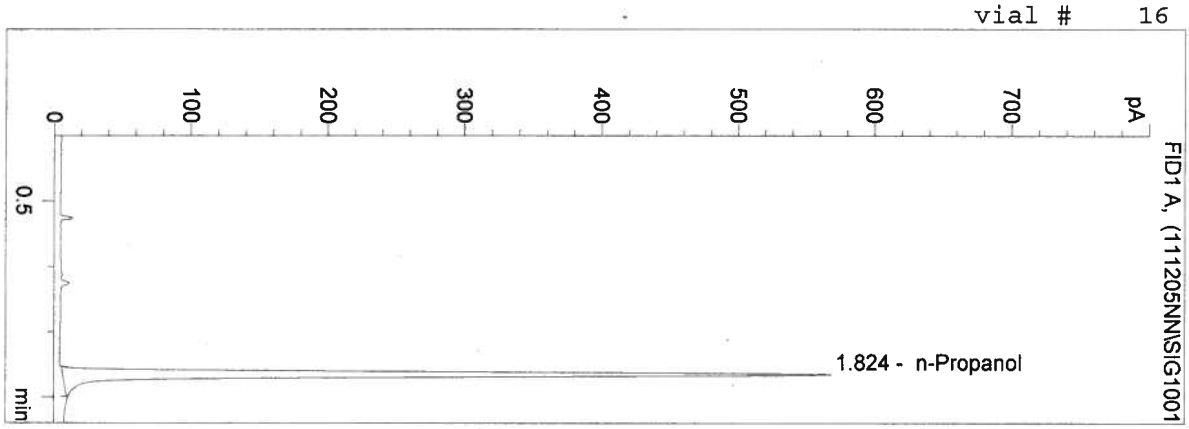
12/5/2011 2:10:36 PM
Instrument 3
DB-ALC2

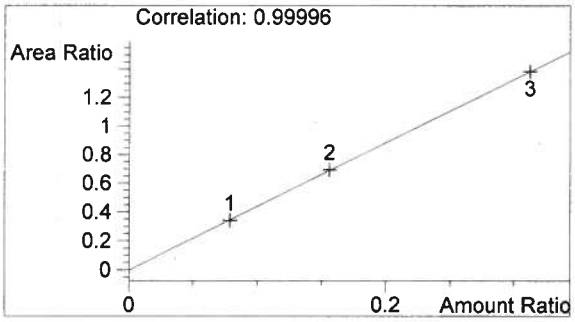
NEG CTRL-NN
Naziha Nuwayhid, PhD

vial # 16

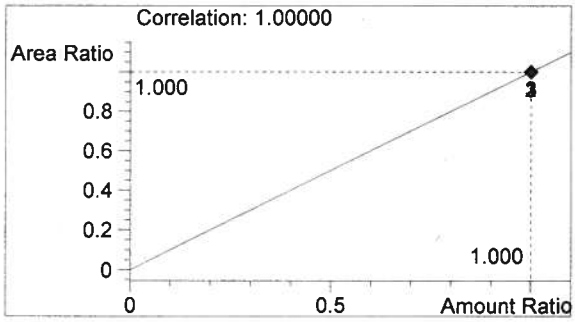


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1561	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11053

NN 12/5/11

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:	111207CJ
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	

11053

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

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

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-CJ	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CJ	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CJ	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CJ	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		
10	Vial 10	ESS 11053 #1	SIMALC3	1	Sample		
11	Vial 11	ESS 11053 #2	SIMALC3	1	Sample		
12	Vial 12	ESS 11053 #3	SIMALC3	1	Sample		
13	Vial 13	ESS 11053 #4	SIMALC3	1	Sample		
14	Vial 14	ESS 11053 #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!

11053

Calibration Table

Calib. Data Modified : Wednesday, December 07, 2011 2:12:50 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	488.66983	1.60906e-4		1	Ethanol
		2	1.55890e-1	1012.02100	1.54038e-4			
		3	3.12180e-1	2069.71948	1.50832e-4			
1.824	1	1	1.00000	1446.56006	6.91295e-4	I1		n-Propanol
		2	1.00000	1451.38550	6.88997e-4			
		3	1.00000	1499.41821	6.66925e-4			

Peak Sum Table

No Entries in table

11053

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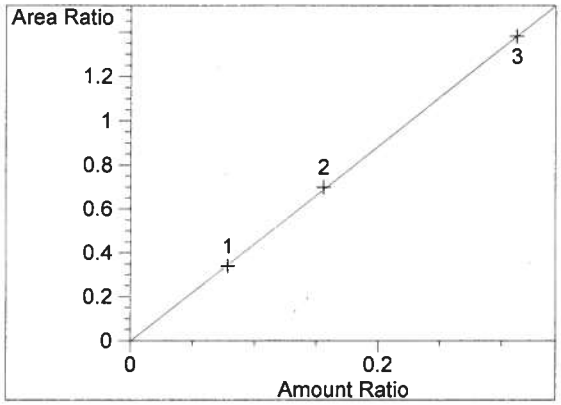
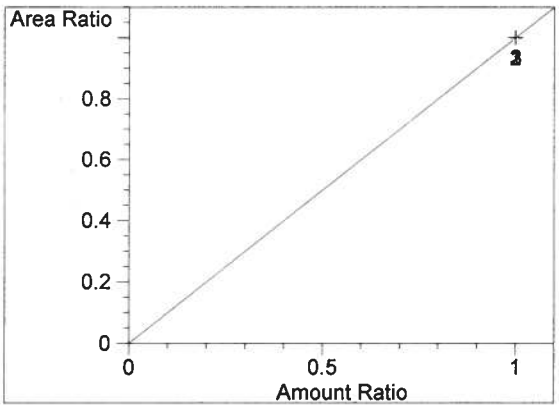
Calibration Curves

==========



Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 0.99993
Residual Std. Dev.: 0.00867
Formula: y = mx + b
m: 4.43528
b: -2.33114e-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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11053

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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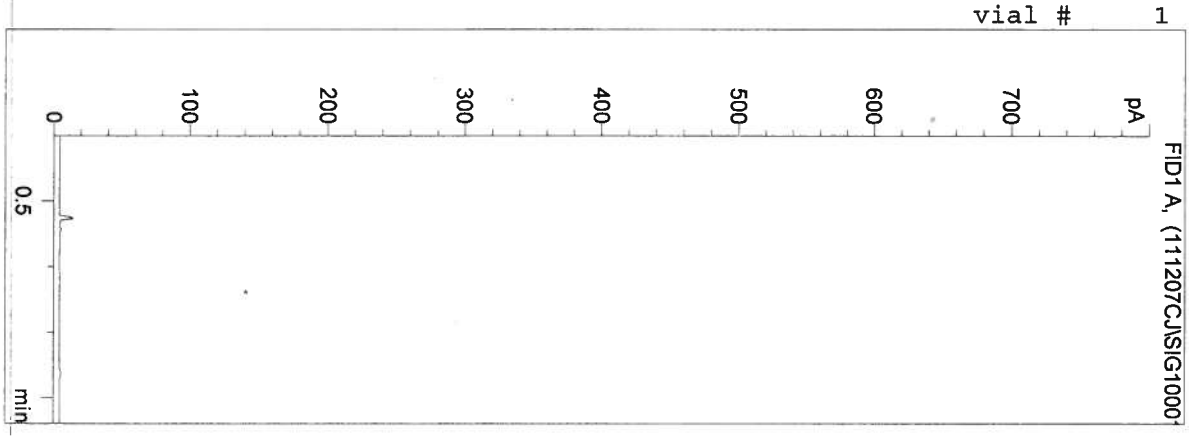
12/7/2011 2:01:16 PM
Instrument 3
DB-ALC2

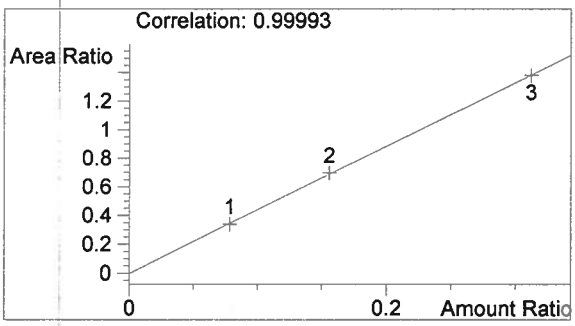
BLANK-CJ
Chris Johnston

vial # 1

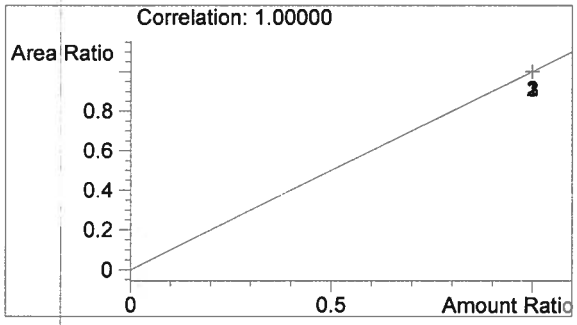


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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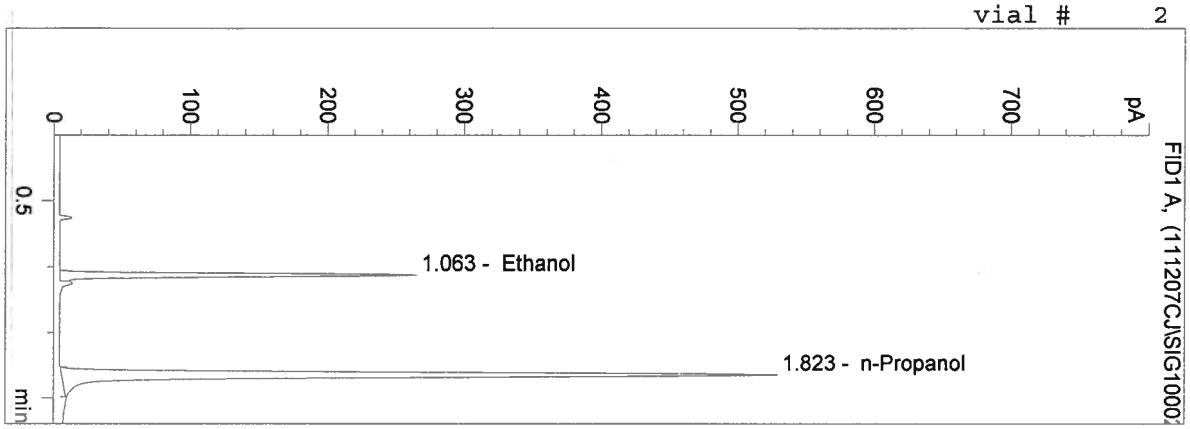
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/7/2011 2:04:23 PM
Instrument 3
DB-ALC2

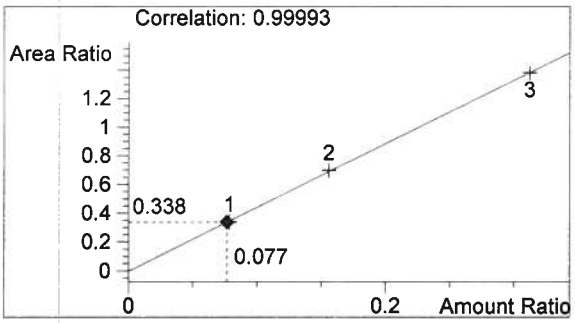
0.079 CAL 1
Chris Johnston

vial # 2

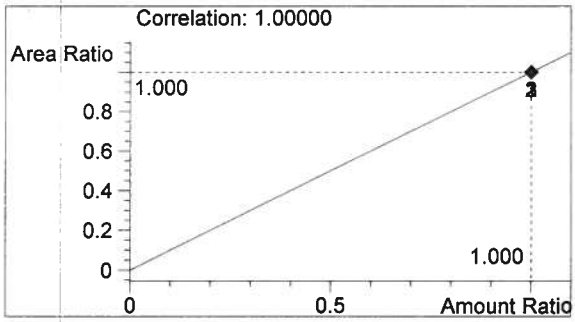


#	Compound	Area	RT
1	Ethanol	489	1.063
2	n-Propanol	1447	1.823

Totals:



Ethanol 0.077 g/100ml



n-Propanol 1.000 g/100ml

11053

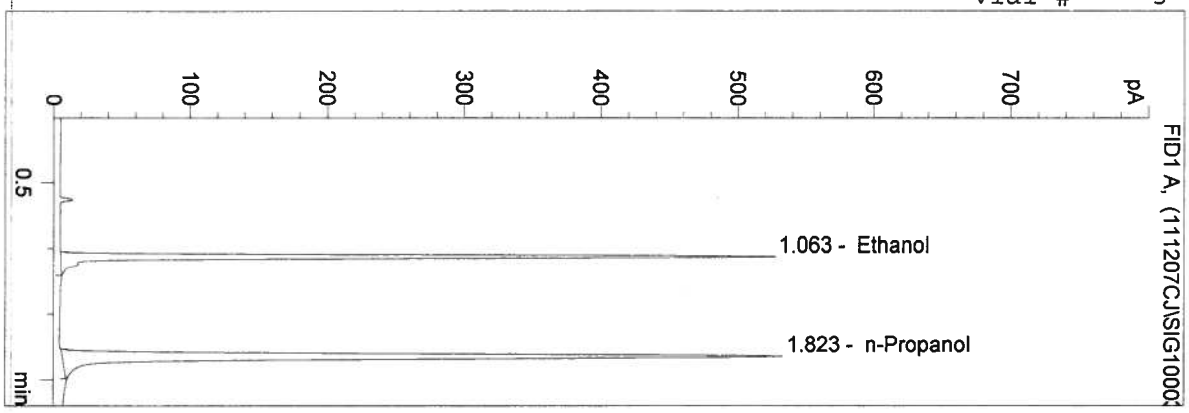
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/7/2011 2:07:30 PM
Instrument 3
DB-ALC2

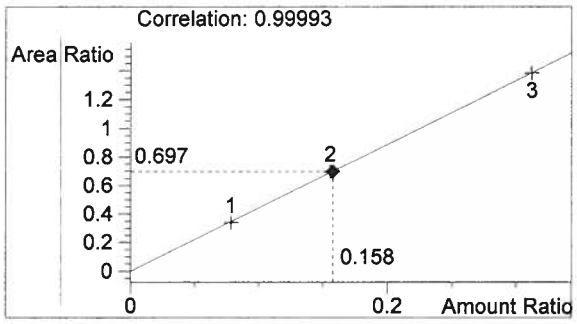
0.158 CAL 2
Chris Johnston

vial # 3

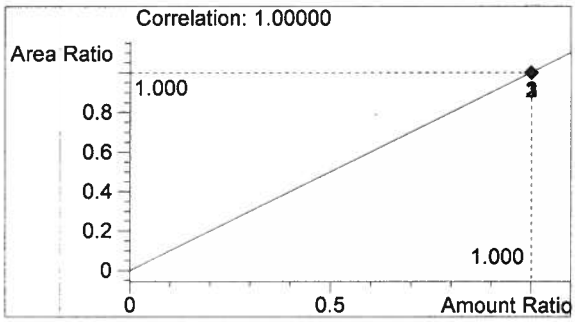


#	Compound	Area	RT
1	Ethanol	1012	1.063
2	n-Propanol	1451	1.823

Totals:



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

Page 3 of 3

WASHINGTON STATE TOXICOLOGY LABORATORY

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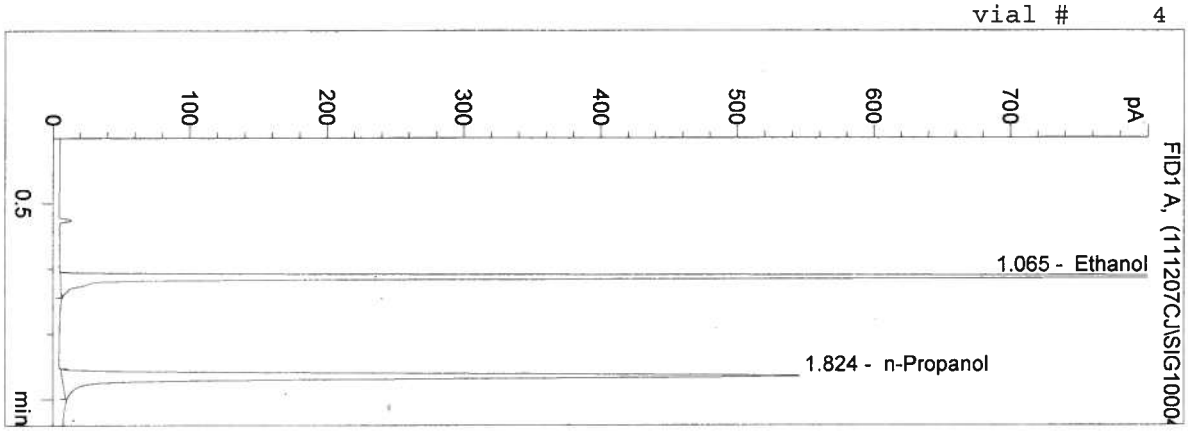
Instrument 3
DB-ALC2

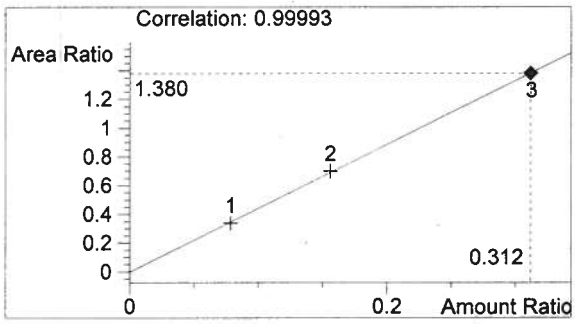
0.316 CAL 3
Chris Johnston

vial # 4

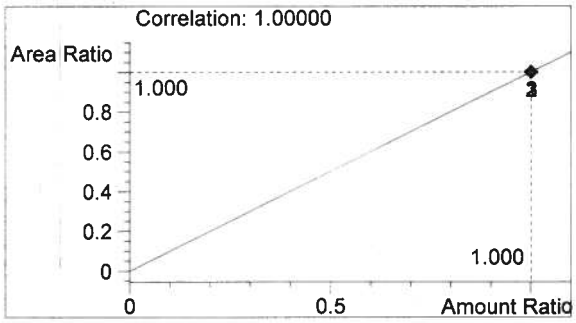


#	Compound	Area	RT
1	Ethanol	2070	1.065
2	n-Propanol	1499	1.824

Totals:



Ethanol 0.312 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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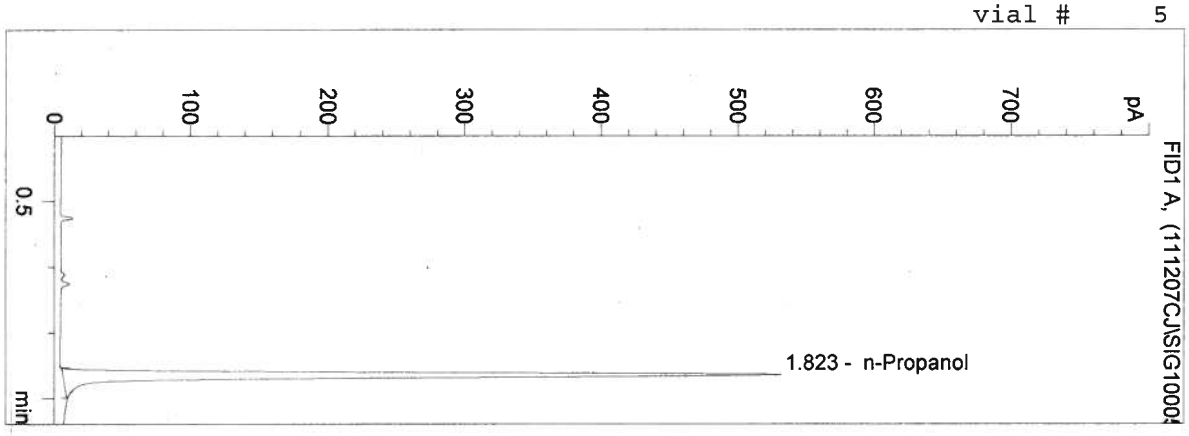
Instrument 3
DB-ALC2

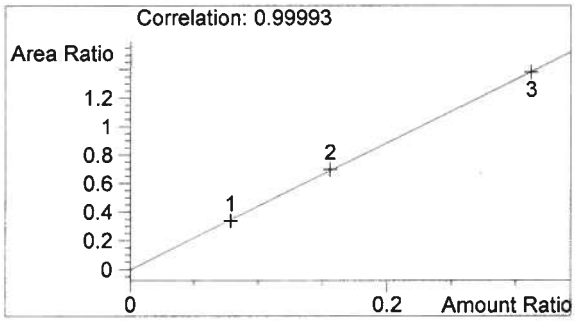
NEG CTRL-CJ
Chris Johnston

vial # 5

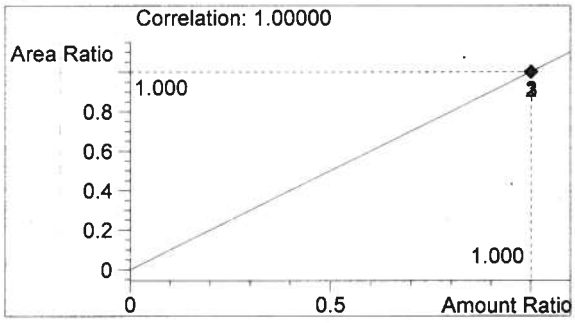


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1452	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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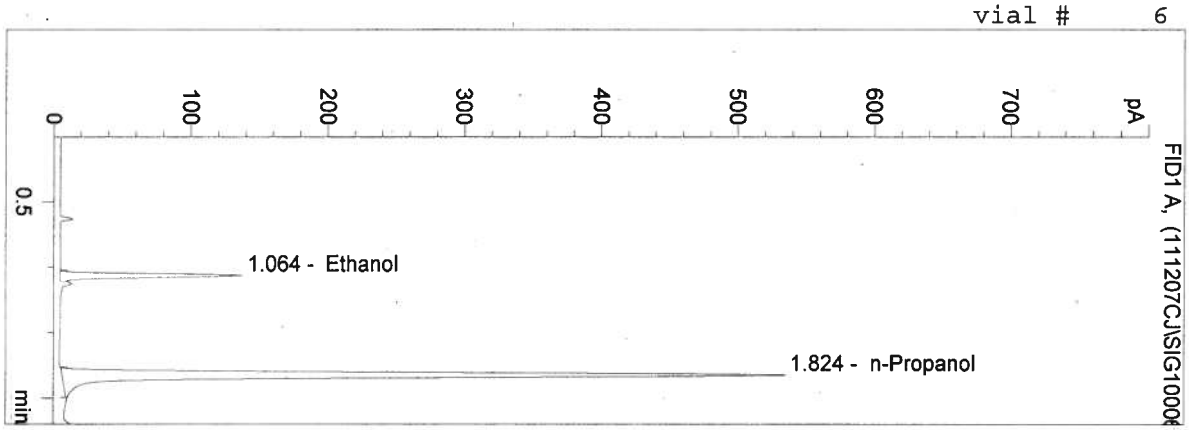
Instrument 3
DB-ALC2

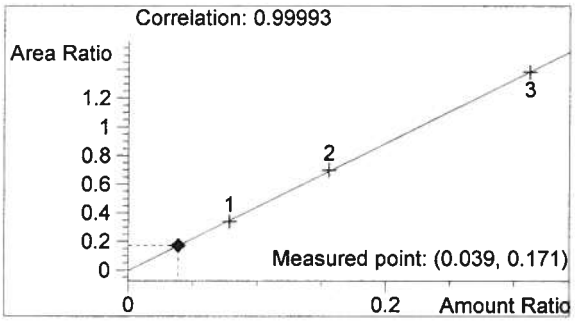
0.04 CTRL-CJ
Chris Johnston

vial # 6

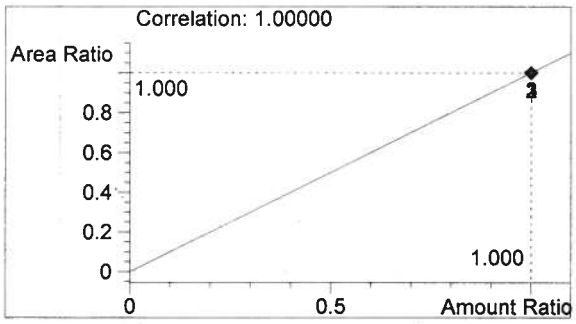


#	Compound	Area	RT
1	Ethanol	250	1.064
2	n-Propanol	1466	1.824

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

3 of 11

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WASHINGTON STATE TOXICOLOGY LABORATORY

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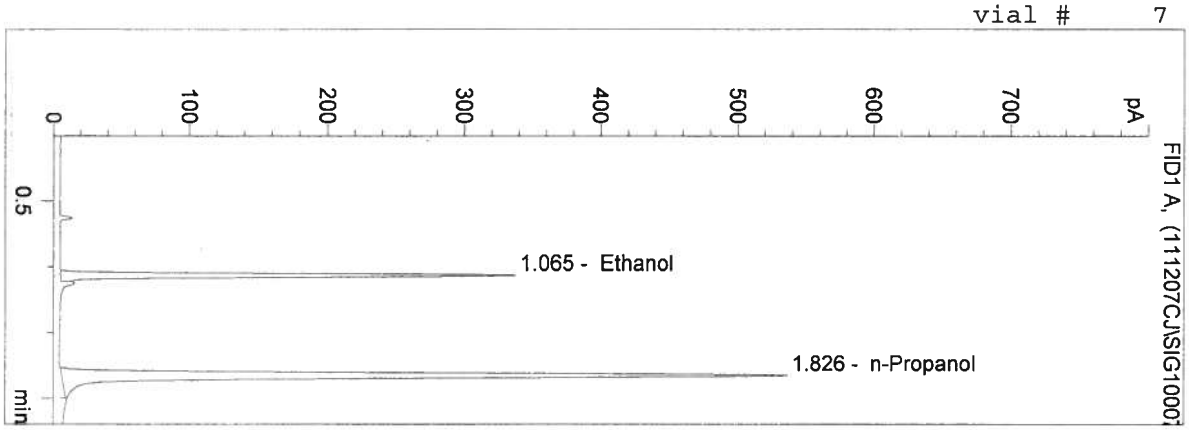
Instrument 3
DB-ALC2

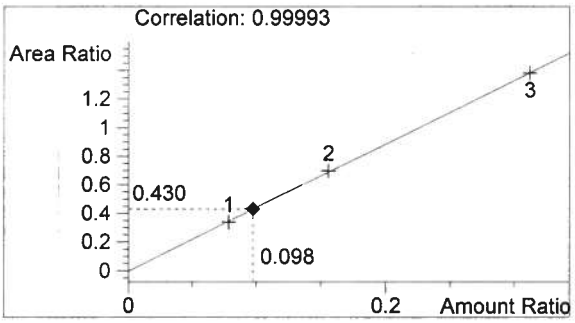
0.10 CTRL-CJ
Chris Johnston

vial # 7

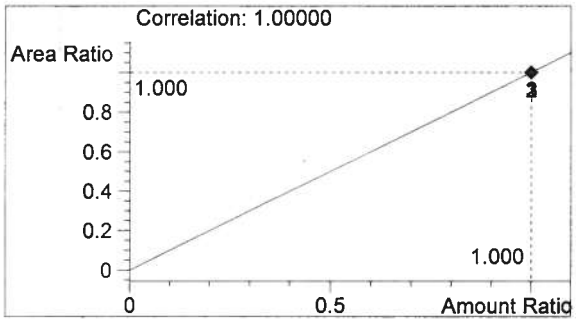


#	Compound	Area	RT
1	Ethanol	635	1.065
2	n-Propanol	1476	1.826

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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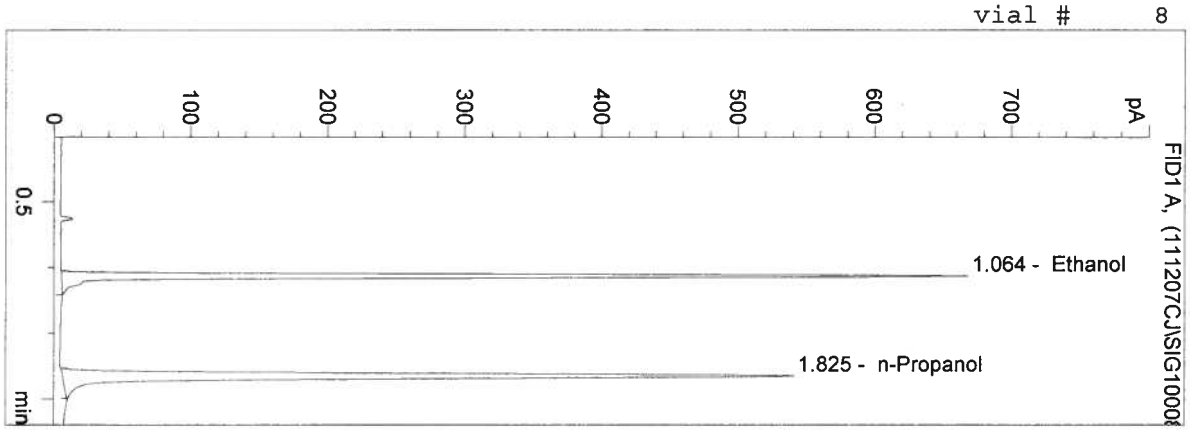
12/7/2011 2:23:06 PM
Instrument 3
DB-ALC2

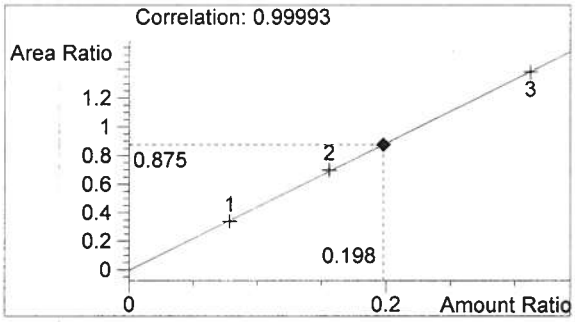
0.20 CTRL-CJ
Chris Johnston

vial # 8

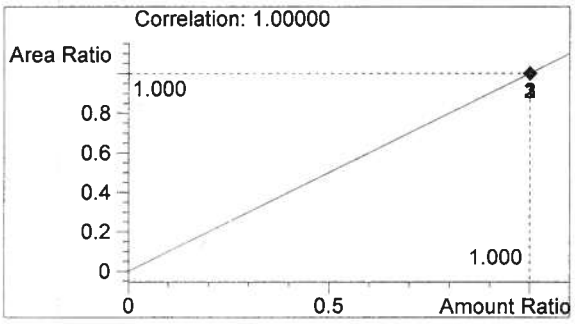


#	Compound	Area	RT
1	Ethanol	1300	1.064
2	n-Propanol	1485	1.825

Totals:



Ethanol 0.198 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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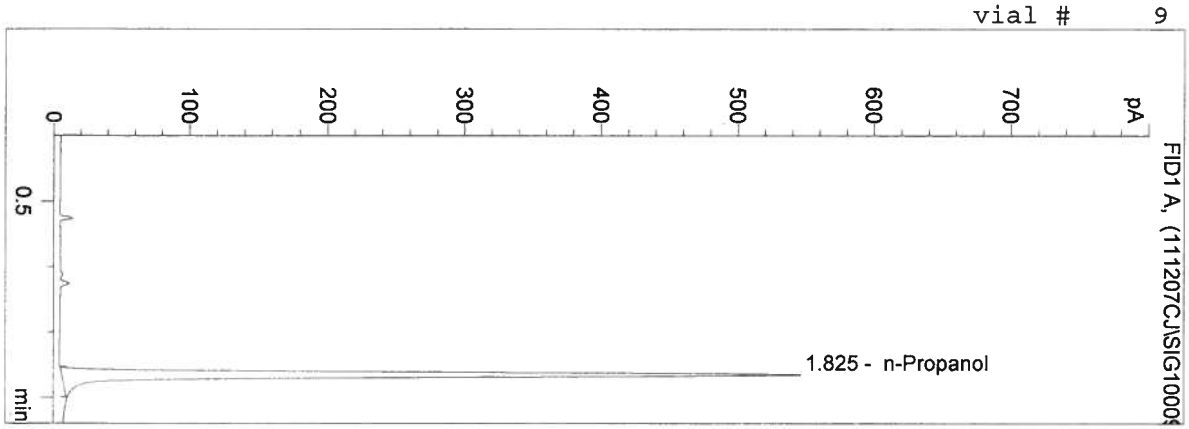
Instrument 3
DB-ALC2

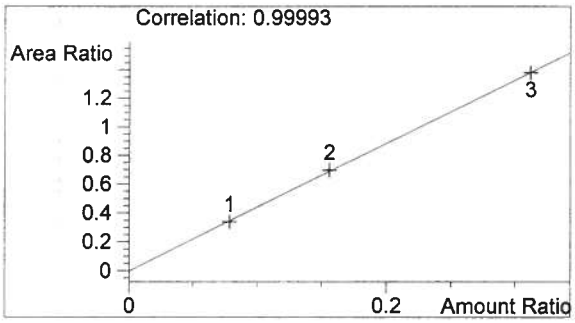
NEG CTRL-CJ
Chris Johnston

vial # 9

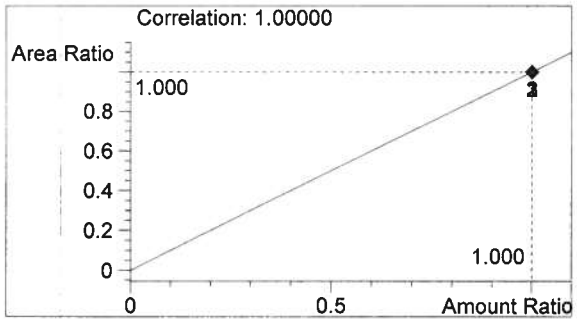


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1503	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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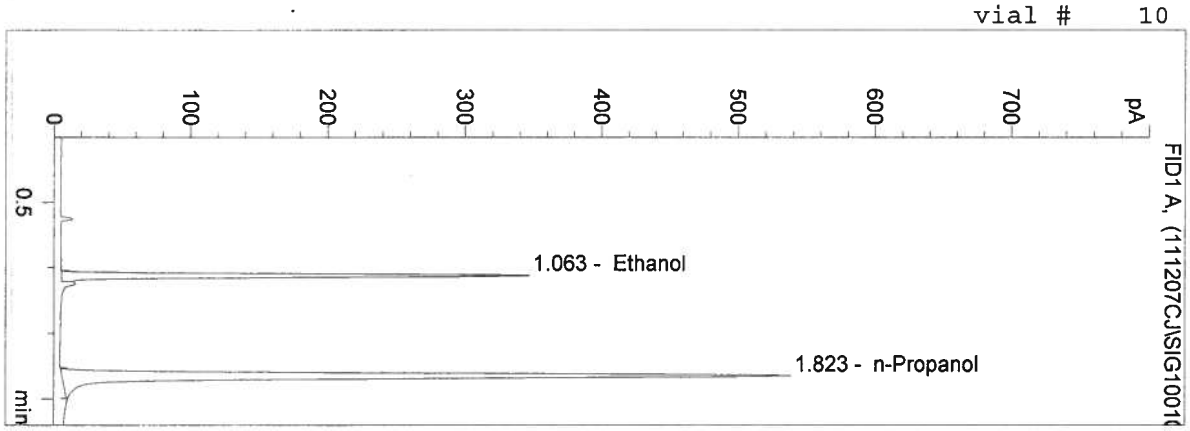
Instrument 3
DB-ALC2

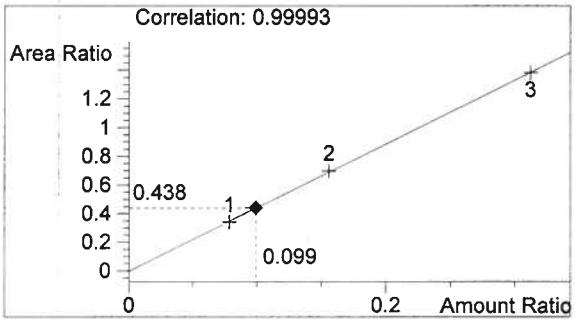
ESS 11053 #1
Chris Johnston

vial # 10

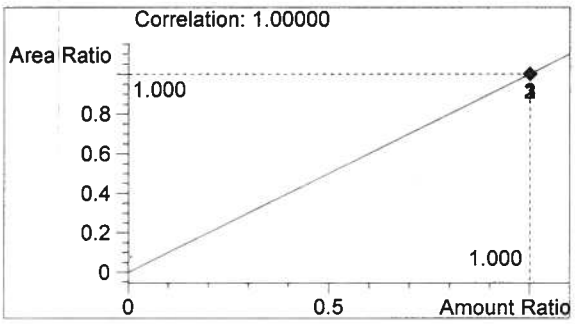


#	Compound	Area	RT
1	Ethanol	646	1.063
2	n-Propanol	1476	1.823

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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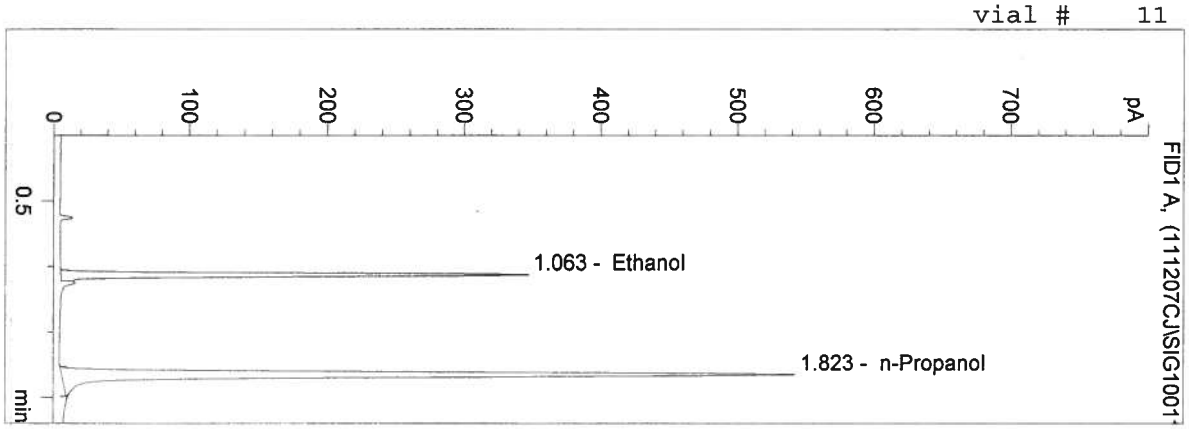
Instrument 3
DB-ALC2

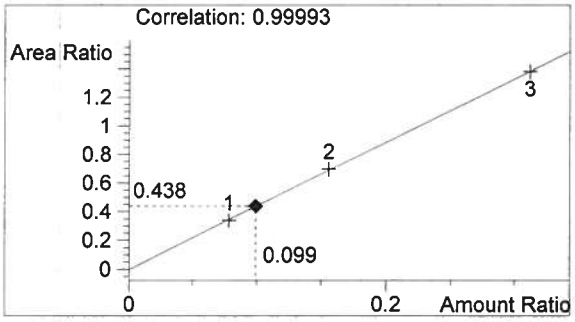
ESS 11053 #2
Chris Johnston

vial # 11

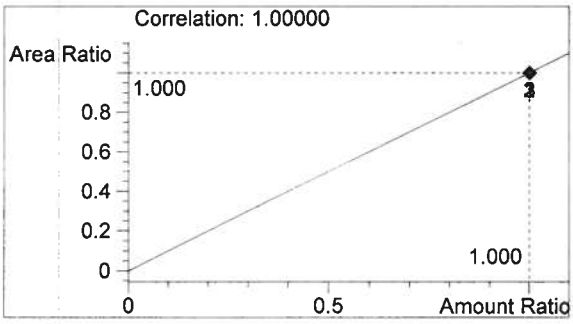


#	Compound	Area	RT
1	Ethanol	654	1.063
2	n-Propanol	1492	1.823

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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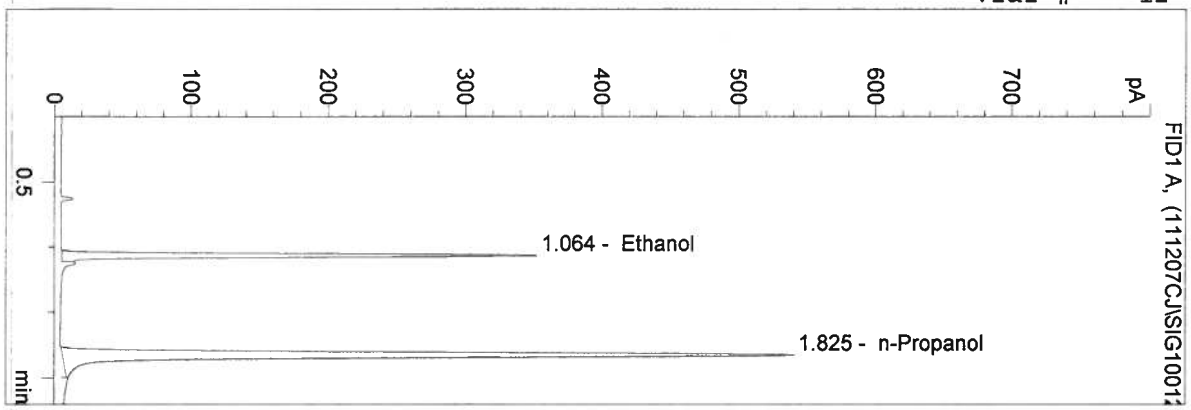
Instrument 3
DB-ALC2

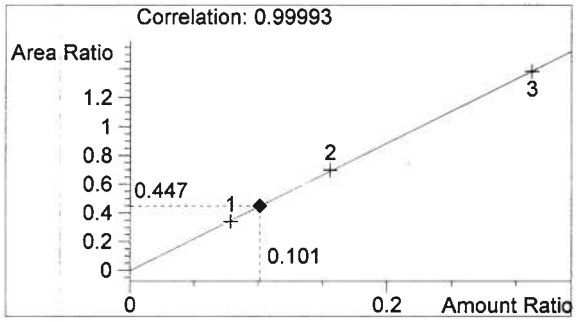
ESS 11053 #3
Chris Johnston

vial # 12

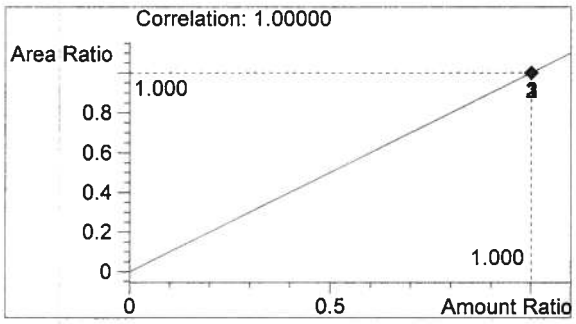


#	Compound	Area	RT
1	Ethanol	663	1.064
2	n-Propanol	1484	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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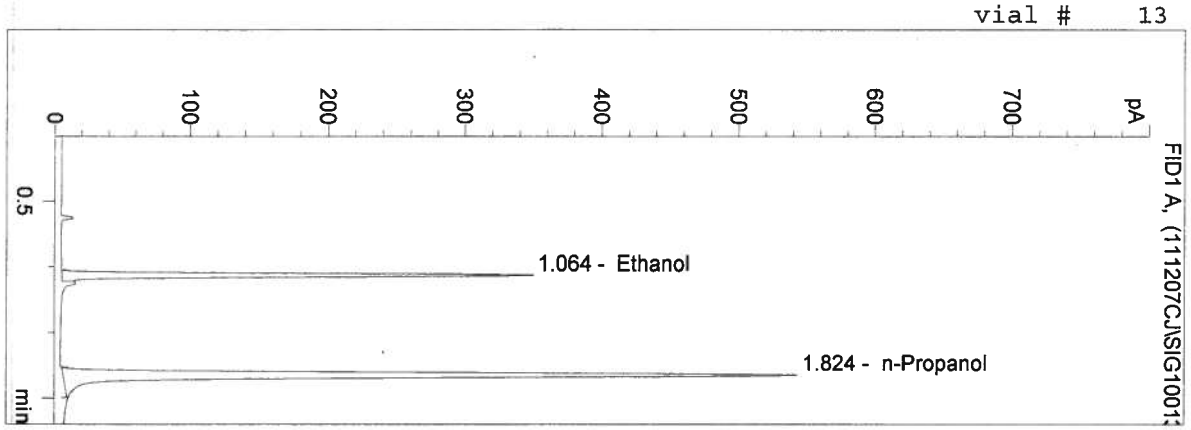
Instrument 3
DB-ALC2

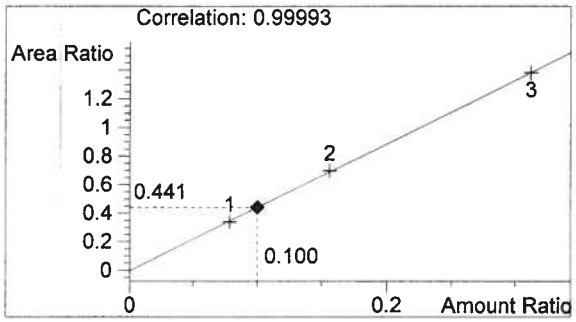
ESS 11053 #4
Chris Johnston

vial # 13

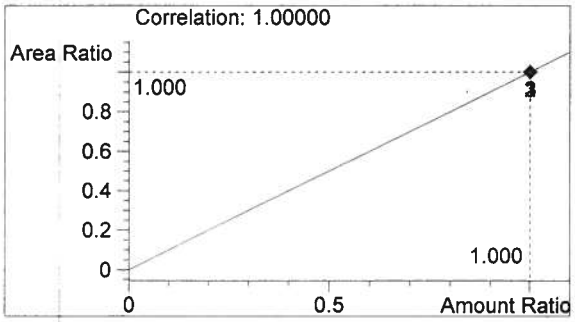


#	Compound	Area	RT
1	Ethanol	657	1.064
2	n-Propanol	1491	1.824

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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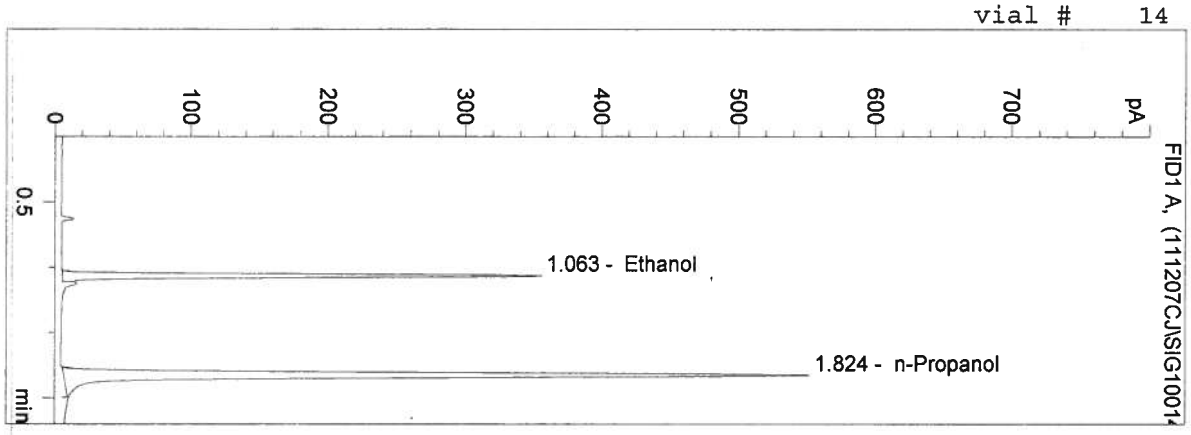
Instrument 3
DB-ALC2

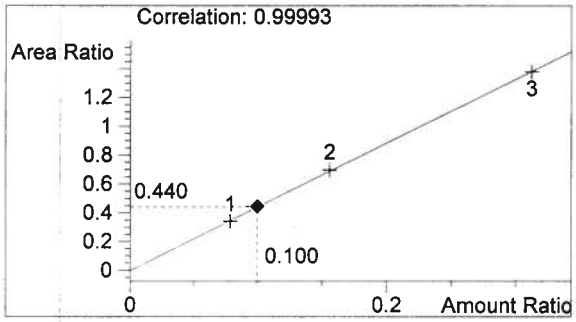
ESS 11053 #5
Chris Johnston

vial # 14

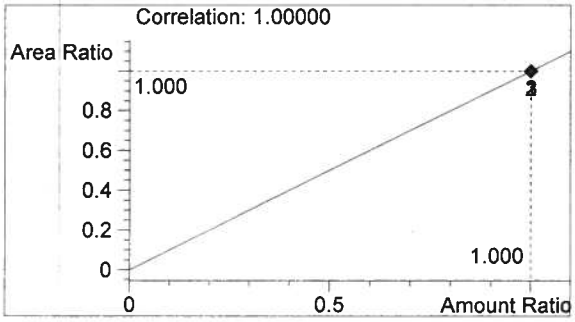


#	Compound	Area	RT
1	Ethanol	666	1.063
2	n-Propanol	1512	1.824

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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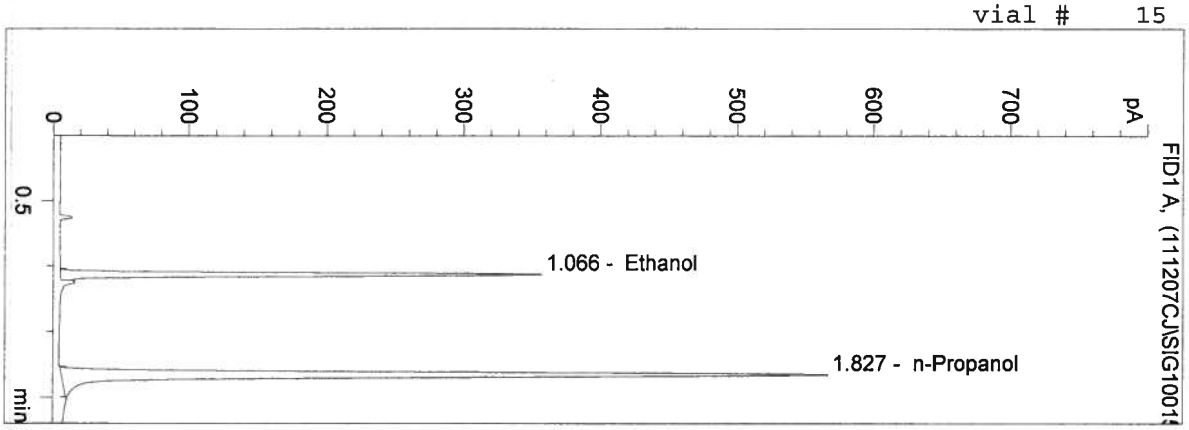
Instrument 3
DB-ALC2

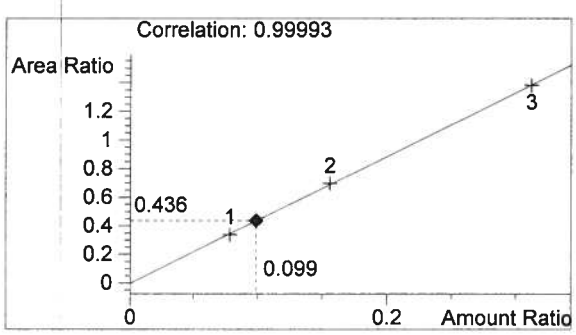
0.10 CTRL-CJ
Chris Johnston

vial # 15

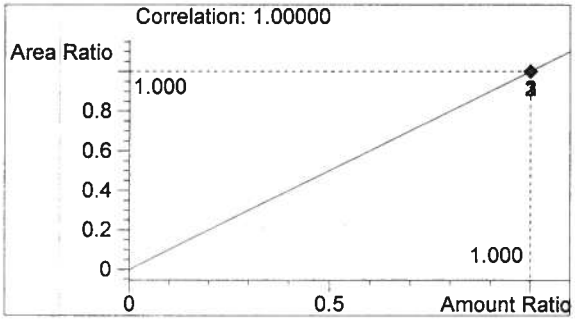


#	Compound	Area	RT
1	Ethanol	680	1.066
2	n-Propanol	1562	1.827

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

3 of 1

WASHINGTON STATE TOXICOLOGY LABORATORY

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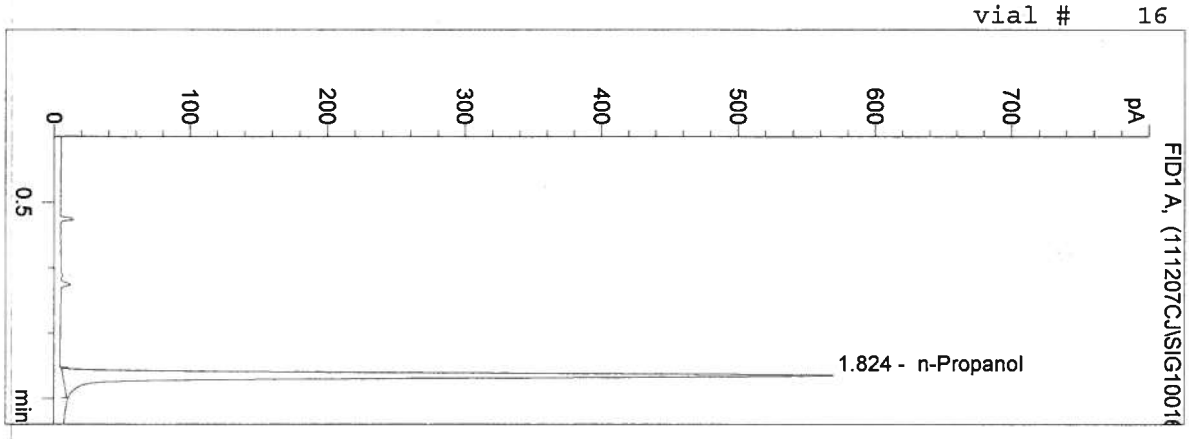
Instrument 3
DB-ALC2

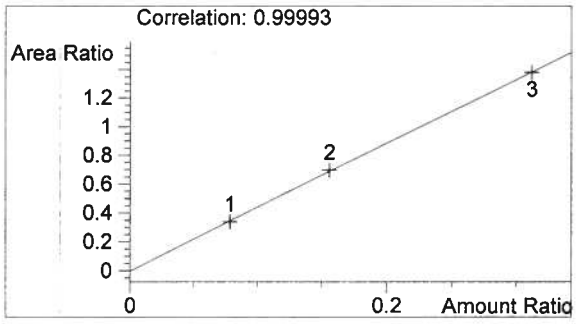
NEG CTRL-CJ
Chris Johnston

vial # 16

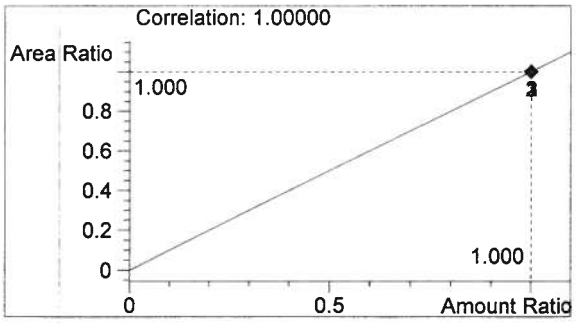


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1563	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11053

CJ

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

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

Preparation Date: 11/21/11 Initials of Preparer: BB

Expiration Date: 11/21/12

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

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	☑	11053

Stir bar is rotating	☑	
Stirred for minimum 30 minutes; 2 hours for ESS	☑	
Spigot purged	☑	
Aliquot taken	☑	
Batch labeled, packaged and sealed	☑	11/21/11 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:

Brittany Ball
Analyst Signature

11/21/11
Date