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

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

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 11052

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: 11/08/2011
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Justin Knoy

	JLK	RF	BP	CSJ	SS	DC	AJL	BB
1	0.104	0.103	0.104	0.105	0.103	0.105	0.103	0.104
2	0.105	0.105	0.104	0.106	0.104	0.106	0.105	0.104
3	0.105	0.104	0.105	0.105	0.104	0.104	0.104	0.105
4	0.105	0.104	0.105	0.106	0.104	0.105	0.105	0.104
5	0.105	0.105	0.104	0.105	0.104	0.106	0.104	0.104
C	0.103	0.103	0.103	0.103	0.102	0.103	0.101	0.103

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1045 g/100mL
STANDARD DEVIATION: 0.00078
PRECISION CV (%): 0.75
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0850 g/210L**
EXPANDED UNCERTAINTY: ± 0.0026 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5 11.22.2011
Melissa L. Pemberton — Forensic Scientist Supervisor — DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
JLK	Justin L. Knoy		11/08/2011
RF	Rebecca Flaherty		11/08/2011
BP	Brianna Peterson	Brianna Peterson	11/09/2011
CSJ	Christopher S. Johnston		11/09/2011
SS	Sarah Swenson		11/10/2011
DC	Dawn Cox		11/14/2011
AJL	Asa J. Louis	Louis	11/15/2011
BB	Brittany Ball	Brittany Ball	11/16/2011

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

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV Date: 11/21/11

Location: WSP-FLSB; SEATTLE, WA Solution Batch Number: 11052

	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: (SKLEROV) Date: 11/21/11

Reviewer Signature: N/A (JMC) 11/21/11 Date:

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

External Standard Solution Batch #: **11052** **Date Prepared:** **11/8/2011**

Analyst:	JLK	RF	BP	CSJ	SS	DC	AJL	BB
Date Tested:	11/8/2011	11/8/2011	11/9/2011	11/9/2011	11/10/2011	11/14/2011	11/15/2011	11/16/2011
Instrument:	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1
1	0.104	0.103	0.104	0.105	0.103	0.105	0.103	0.104
2	0.105	0.105	0.104	0.106	0.104	0.106	0.105	0.104
3	0.105	0.104	0.105	0.105	0.104	0.104	0.104	0.105
4	0.105	0.104	0.105	0.106	0.104	0.105	0.105	0.104
5	0.105	0.105	0.104	0.105	0.104	0.106	0.104	0.104
C	0.103	0.103	0.103	0.103	0.102	0.103	0.101	0.103

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000562670	0.0000525614	0.0001016326

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

Average Solution Concentration: 0.1045 g/100mL
Standard Deviation: 0.00078 g/100mL
Precision CV (%): 0.75
Equivalent Vapor Concentration: 0.0850 g/210L
Combined Standard Uncertainty (±): 0.0013 g/210L
Expanded Uncertainty (±): 0.0026 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Ruberton Melissa L. Ruberton 11-17-11
Name Signature Date

Calculations verified by: Jason Sklerov [signature] 11-21-11
Name Signature Date

Method: Hand Calculator

Technical review of batch file performed by:
Melissa L. Ruberton Melissa L. Ruberton 11-18-11
Name Signature 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 11 18
Brian Capron		
Brianna Peterson	BP	11/17/11
Brianne O'Reilly		
Brittany Ball	BB	11/17/11
Christie Mitchell		
Christopher Johnston	CJ	11.18.11
Dawn Cox	DC	11.17.11
Justin Knoy	JK	11.17.11
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	11.17.11
Sarah Swenson	SMS	11/18/11

Batch # 11052

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 11052

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 11052, was prepared in the Washington State Toxicology Laboratory on 11/8/2011. 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 11/8/2012.

Seattle, WA

11-17-11

Justin L. Knoy — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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WASHINGTON STATE PATROL
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11052

I, Rebecca Flaherty, 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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The external standard solution, Lot Number 11052, was prepared in the Washington State Toxicology Laboratory on 11/8/2011. 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 11/8/2012.

Seattle, WA

11·17·11

Rebecca Flaherty — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

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Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11052

I, Brianna Peterson, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry, MS degree in Forensic Science, Ph.D. degree in Toxicology, and five years of experience in forensic toxicology.

The external standard solution, Lot Number 11052, was prepared in the Washington State Toxicology Laboratory on 11/8/2011. 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 11/8/2012.

Seattle, WA

Brianna Peterson 11/17/11

Brianna Peterson Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11052

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 11052, was prepared in the Washington State Toxicology Laboratory on 11/8/2011. 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 11/8/2012.

Seattle, WA

11/18/2011

Christopher S. Johnston Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
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JOHN R. BATISTE
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11052

I, Sarah M. Swenson, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry and over eight years of experience in forensic toxicology.

The external standard solution, Lot Number 11052, was prepared in the Washington State Toxicology Laboratory on 11/8/2011. 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 11/8/2012.

Seattle, WA

11/18/11

Sarah M. Swenson Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11052

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 11052, was prepared in the Washington State Toxicology Laboratory on 11/8/2011. 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 11/8/2012.

Seattle, WA

11.17.11

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 11052

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 11052, was prepared in the Washington State Toxicology Laboratory on 11/8/2011. 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 11/8/2012.

Seattle, WA

Louis 2011/11/8

Asa J. Louis Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11052

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 11052, was prepared in the Washington State Toxicology Laboratory on 11/8/2011. 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 11/8/2012.

Seattle, WA

Brittany Ball 11/17/11

Brittany Ball Date

Forensic Toxicologist

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\1\DATA\
Data Subdirectory:	111108JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0911-01 - Exp. 12/05/11
Ethanol Calibrator 2, E0911-02 - Exp. 12/05/11
Ethanol Calibrator 3, E0911-03 - Exp. 12/05/11

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	E0911-01 - Exp 12/05/11
3	Vial 3	E0911-02 - Exp 12/05/11
4	Vial 4	E0911-03 - Exp 12/05/11
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	

11052

JK

Sequence: C:\HPCHEM\1\SEQUENCE\JKEXTSTD.S

Line	Location	Sample Information
15	Vial 15	
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC1	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC1	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL JK	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL JK	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
10	Vial 10	11052-1	SIMALC1	1	Sample		
11	Vial 11	11052-2	SIMALC1	1	Sample		
12	Vial 12	11052-3	SIMALC1	1	Sample		
13	Vial 13	11052-4	SIMALC1	1	Sample		
14	Vial 14	11052-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL1 0.079	SIMALC1	1	Replace	Replace	
3	Vial 3	CAL2 0.158	SIMALC1	2	Replace	Replace	
4	Vial 4	CAL3 0.316	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

11052

Calibration Table

Calib. Data Modified : Tuesday, November 08, 2011 11:53:53 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

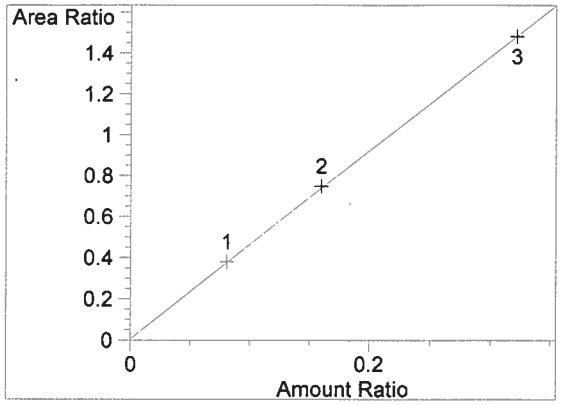
RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.045	1	1	8.12800e-2	943.41876	8.61547e-5	1		Ethanol
		2	1.60090e-1	1864.15430	8.58781e-5			
		3	3.22750e-1	3734.41772	8.64258e-5			
1.711	1	1	1.00000	2483.09595	4.02723e-4	I1		n-Propanol
		2	1.00000	2491.21216	4.01411e-4			
		3	1.00000	2519.34692	3.96928e-4			

Peak Sum Table

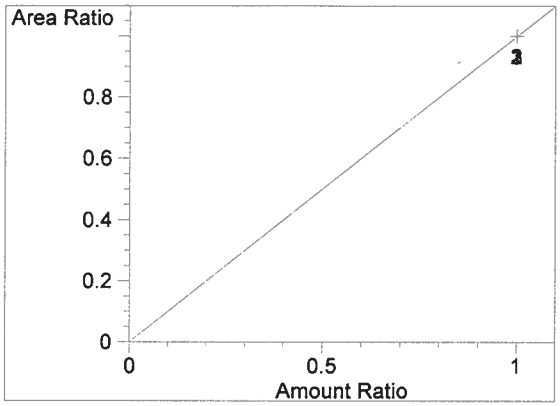
No Entries in table

11052

Calibration Curves



Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99995
Residual Std. Dev.: 0.00765
Formula: y = mx + b
m: 4.59010
b: 5.28936e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.711
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

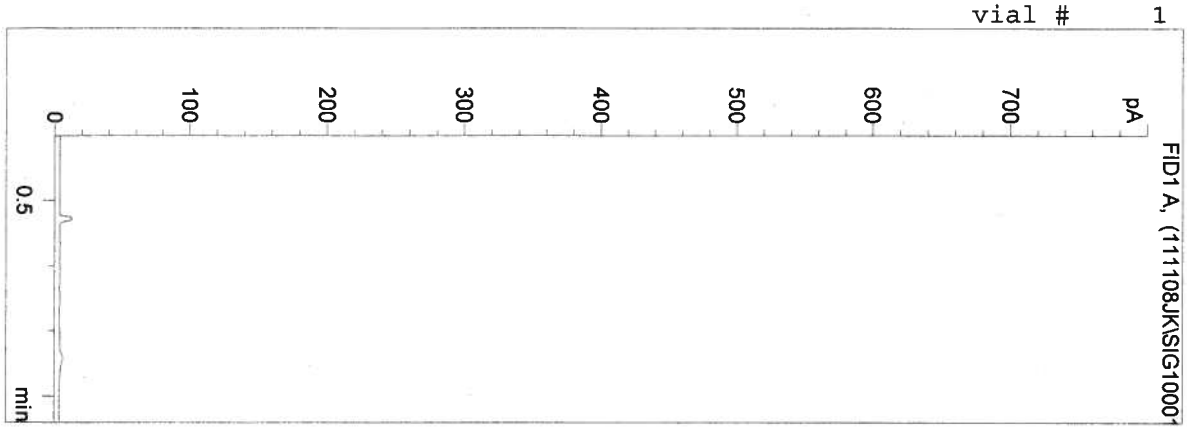
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

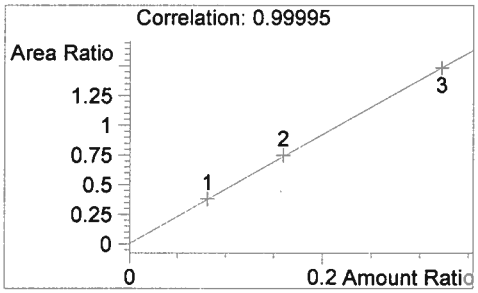
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 11:42:26 AM
Instrument 1
DB-ALC1

BLANK
Justin Knoy

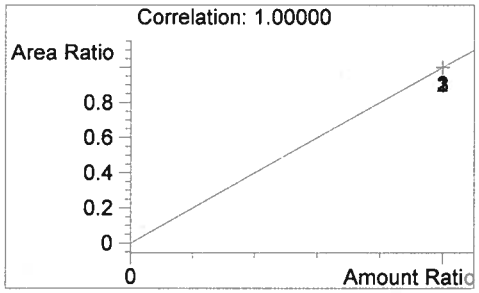
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

11052

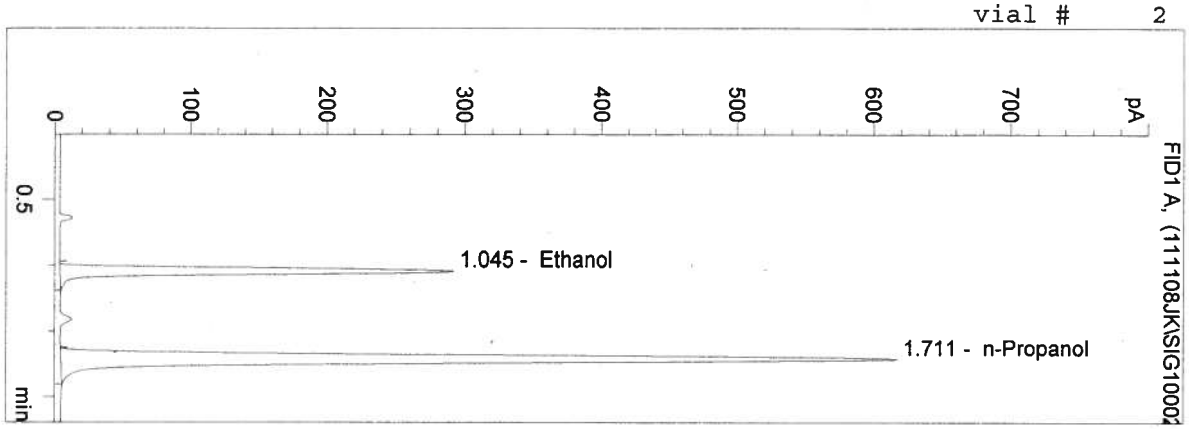
JK

WASHINGTON STATE TOXICOLOGY LABORATORY

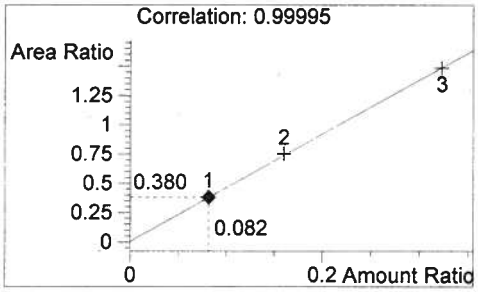
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 11:45:31 AM
Instrument 1
DB-ALC1

CAL1 0.079
Justin Knoy

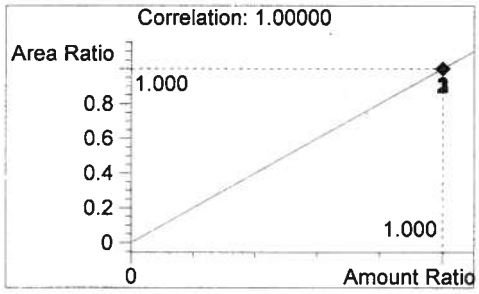
vial # 2



#	Compound	Area	RT
1	Ethanol	943	1.045
2	n-Propanol	2483	1.711
Tot			



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

11052

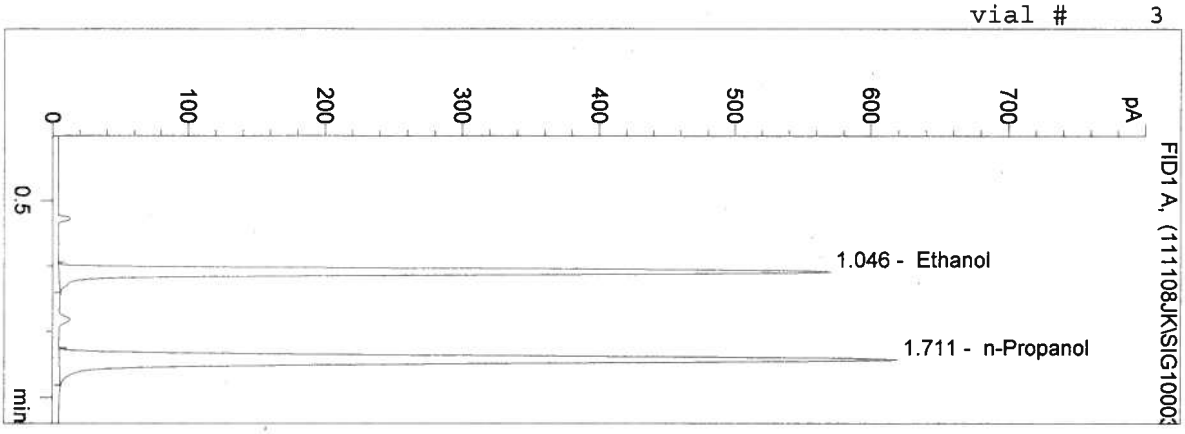
JK

WASHINGTON STATE TOXICOLOGY LABORATORY

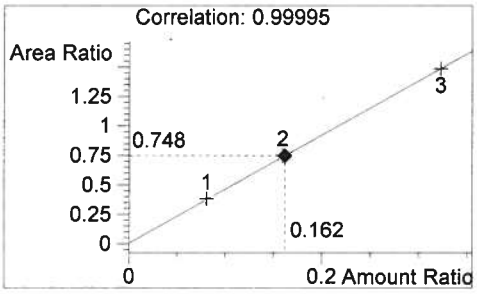
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 11:48:36 AM
Instrument 1
DB-ALC1

CAL2 0.158
Justin Knoy

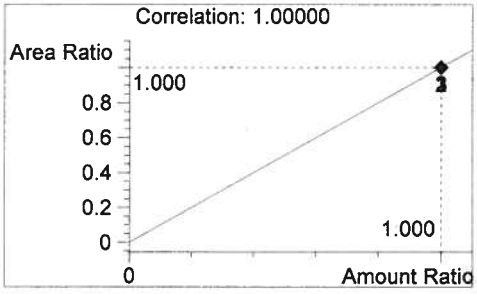
vial # 3



#	Compound	Area	RT
1	Ethanol	1864	1.046
2	n-Propanol	2491	1.711
Tot			



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

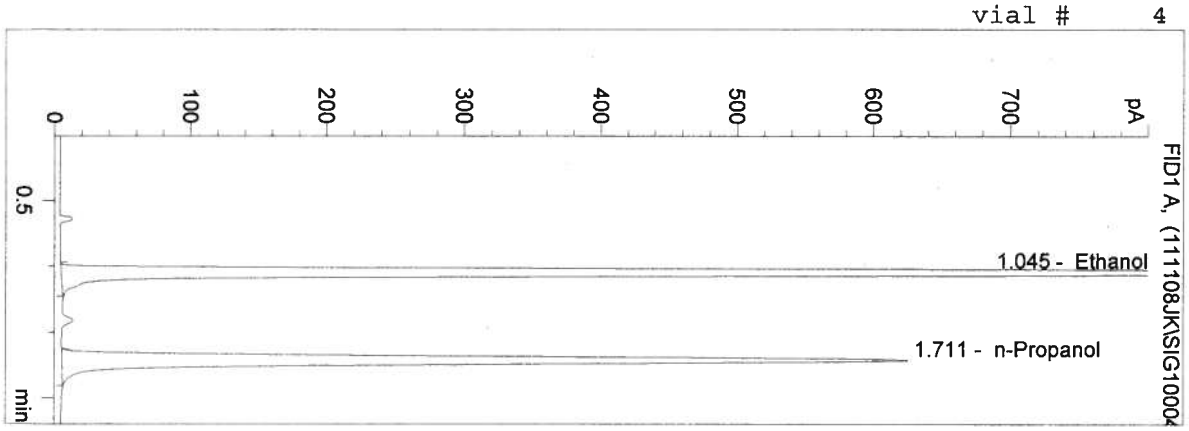
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

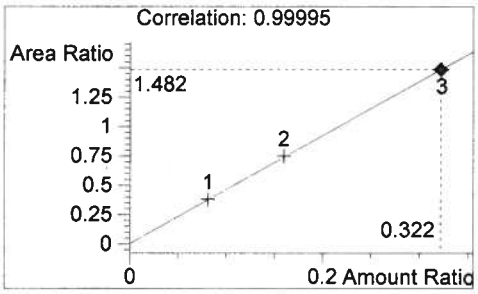
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 11:51:40 AM
Instrument 1
DB-ALC1

CAL3 0.316
Justin Knoy

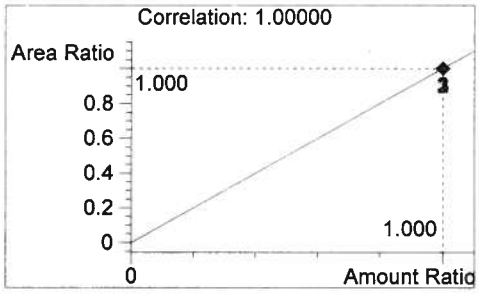
vial # 4



#	Compound	Area	RT
1	Ethanol	3734	1.045
2	n-Propanol	2519	1.711
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

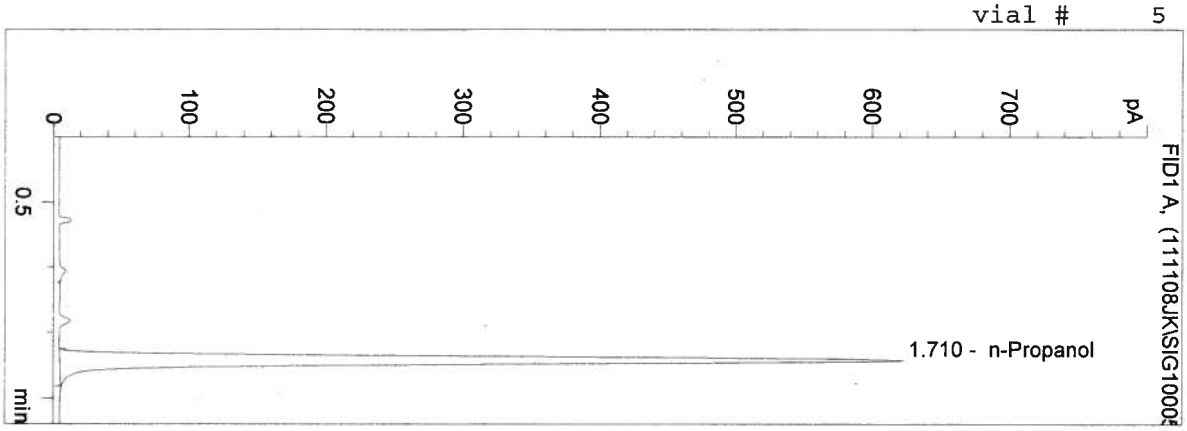
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

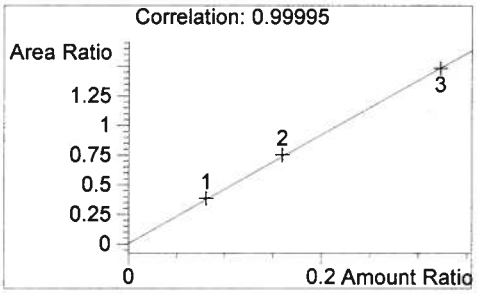
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 11:54:45 AM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

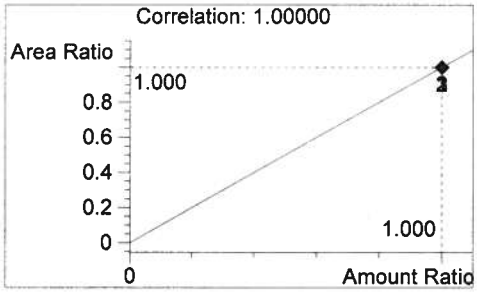
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2506	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11052

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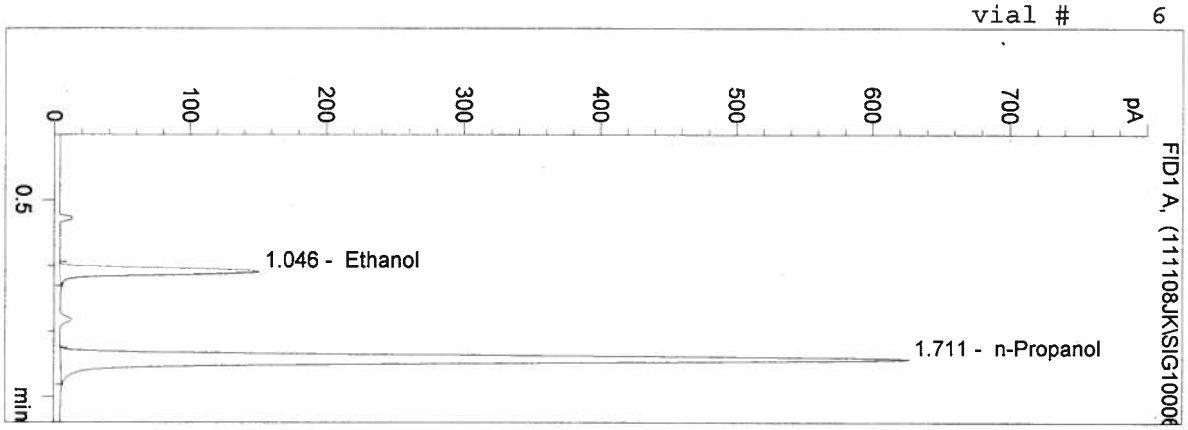
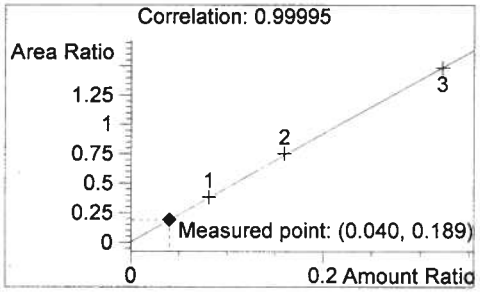
11/8/2011 11:57:50 AM
Instrument 1
DB-ALC1

0.04 CTRL JK
Justin Knoy

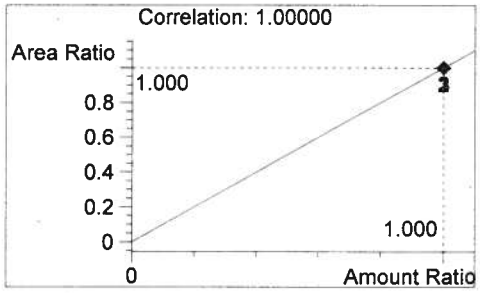
vial # 6



#	Compound	Area	RT
1	Ethanol	479	1.046
2	n-Propanol	2527	1.711
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

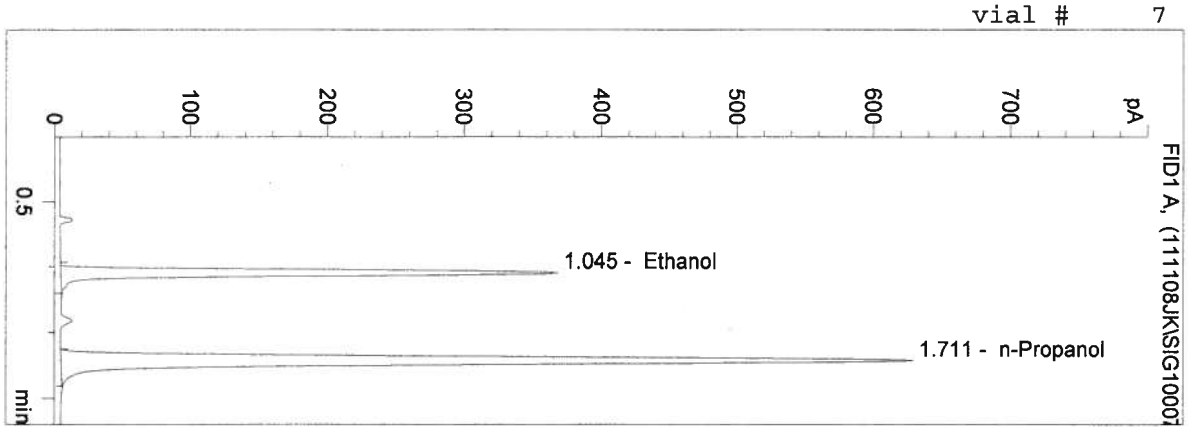
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

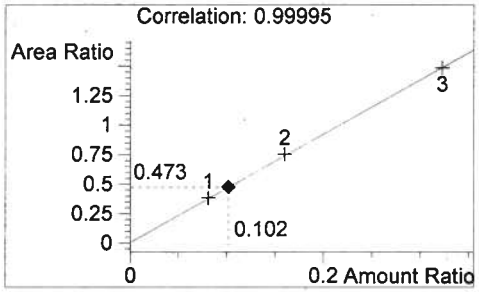
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 12:00:54 PM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

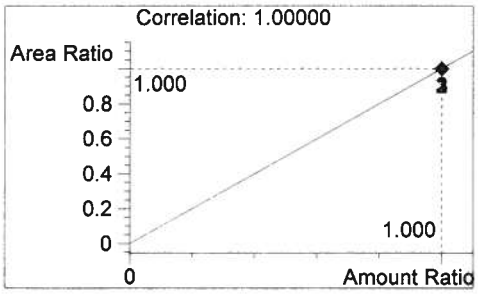
vial # 7



#	Compound	Area	RT
1	Ethanol	1200	1.045
2	n-Propanol	2537	1.711
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

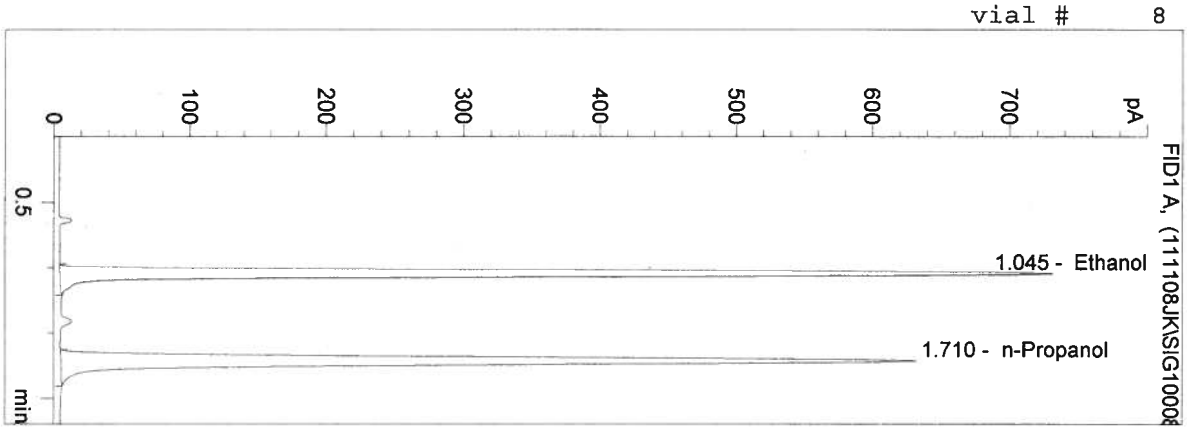
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

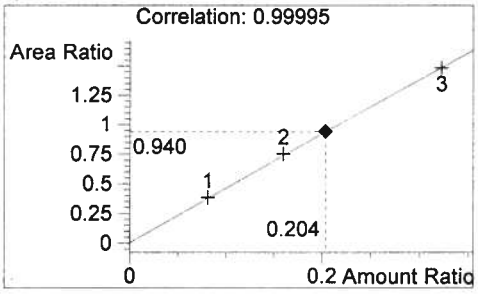
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 12:03:59 PM
Instrument 1
DB-ALC1

0.20 CTRL JK
Justin Knoy

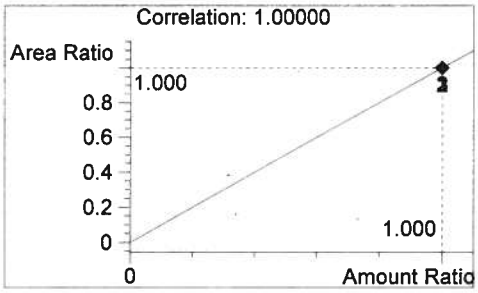
vial # 8



#	Compound	Area	RT
1	Ethanol	2394	1.045
2	n-Propanol	2548	1.710
Tot			



Ethanol 0.204 g/100 mL



n-Propanol 1.000 g/100 mL

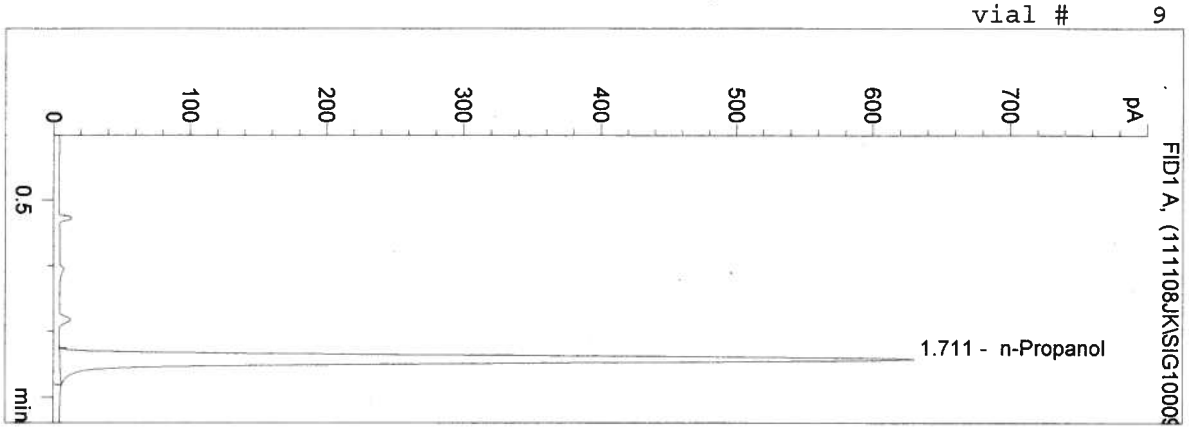
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

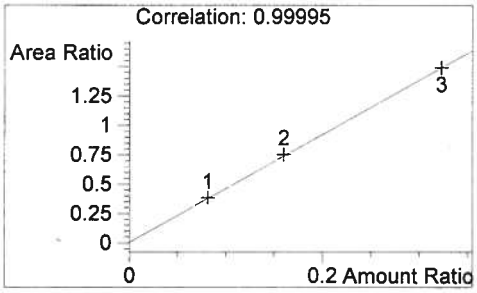
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 12:07:04 PM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

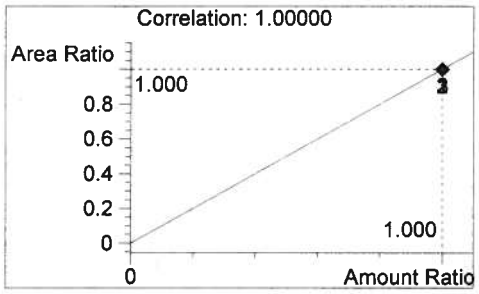
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2540	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

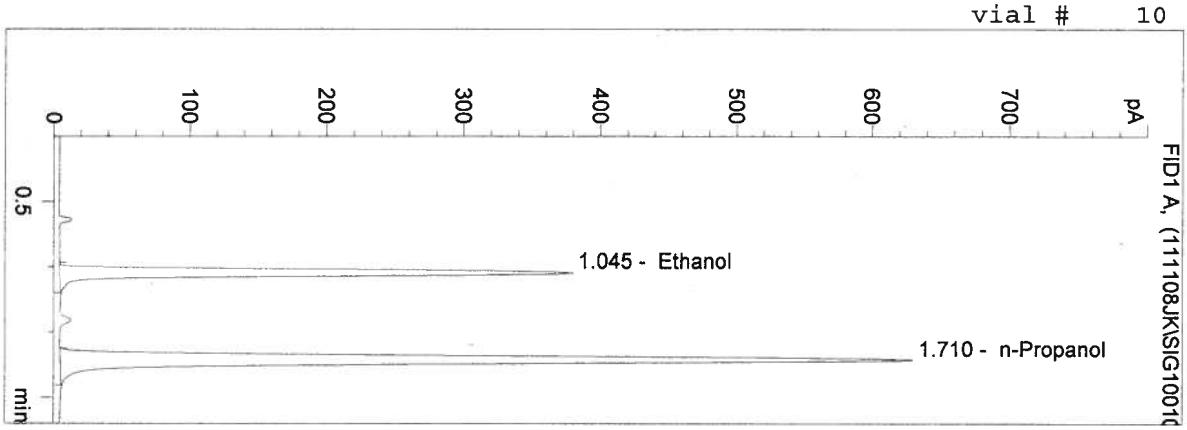
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

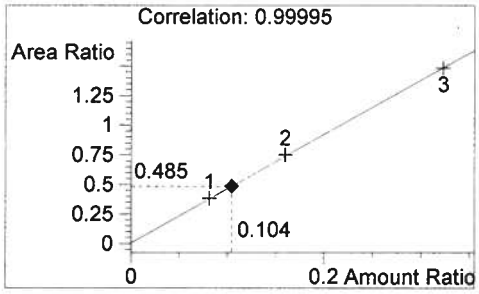
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 12:10:09 PM
Instrument 1
DB-ALC1

11052-1
Justin Knoy

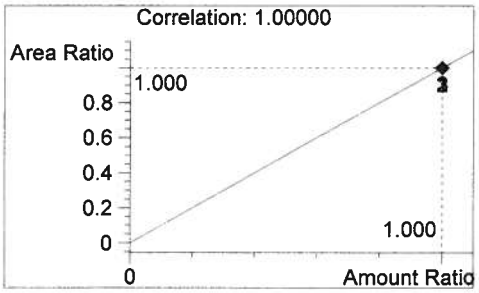
vial # 10



#	Compound	Area	RT
1	Ethanol	1230	1.045
2	n-Propanol	2538	1.710
Tot			



Ethanol 0.104 g/100 mL



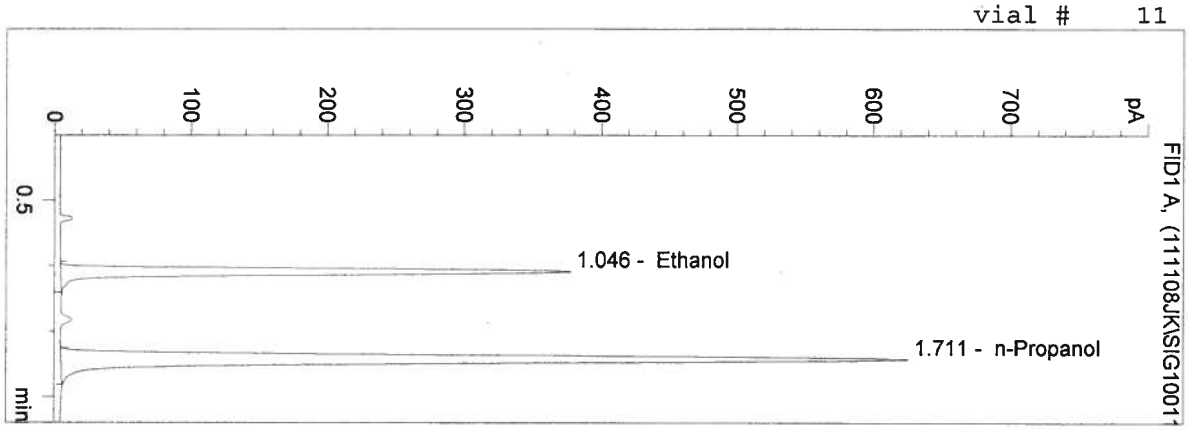
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

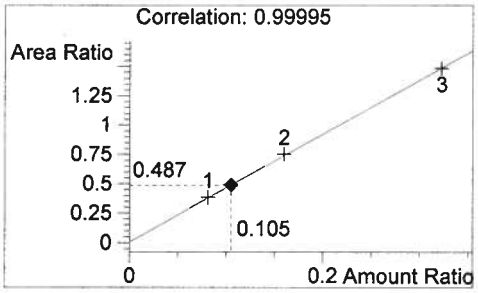
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 12:13:13 PM
Instrument 1
DB-ALC1

11052-2
Justin Knoy

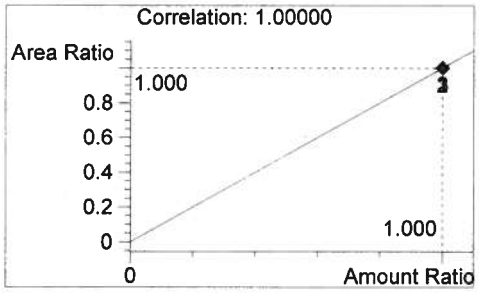
vial # 11



#	Compound	Area	RT
1	Ethanol	1228	1.046
2	n-Propanol	2522	1.711
Tot			



Ethanol 0.105 g/100 mL



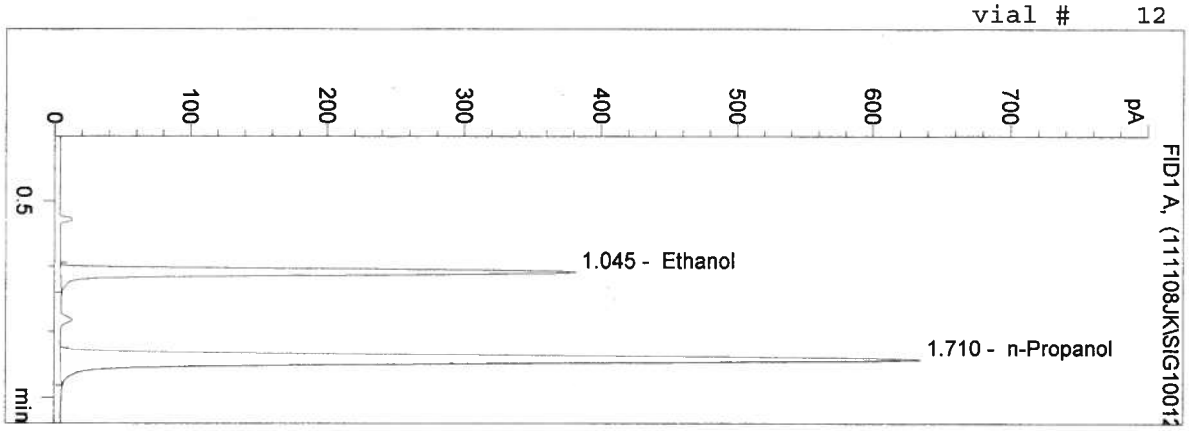
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

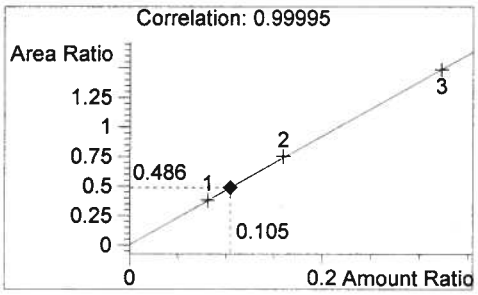
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 12:16:18 PM
Instrument 1
DB-ALC1

11052-3
Justin Knoy

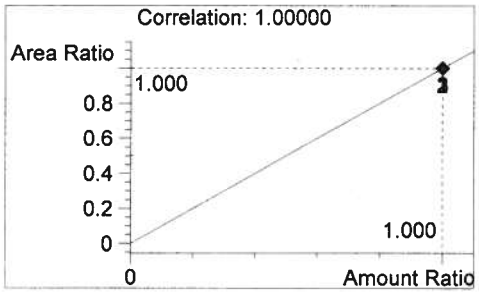
vial # 12



#	Compound	Area	RT
1	Ethanol	1242	1.045
2	n-Propanol	2559	1.710
Tot			



Ethanol 0.105 g/100 mL



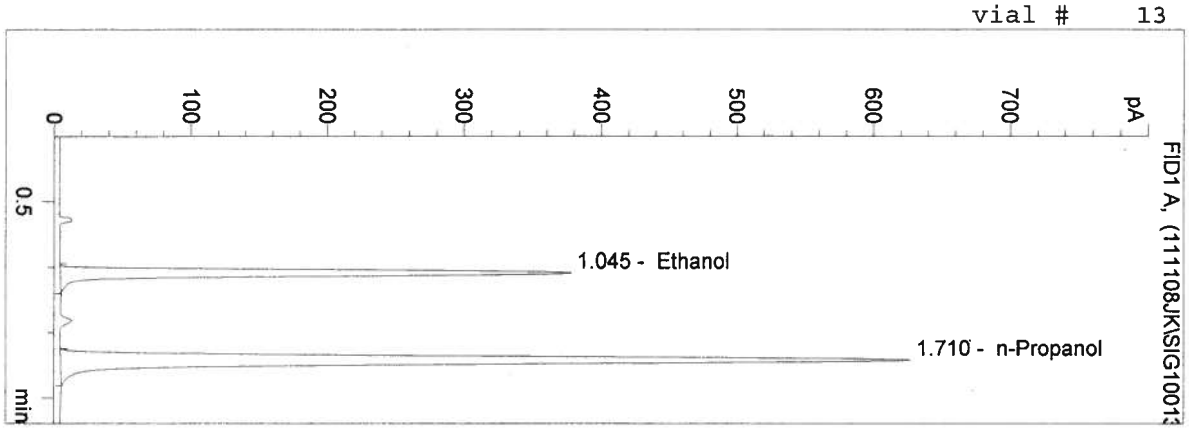
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

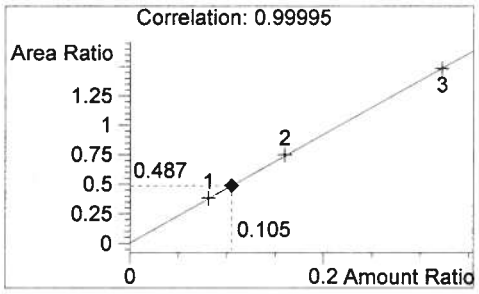
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 12:19:23 PM
Instrument 1
DB-ALC1

11052-4
Justin Knoy

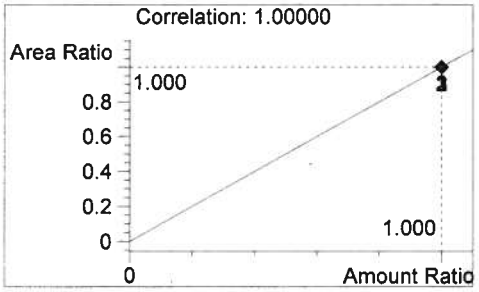
vial # 13



#	Compound	Area	RT
1	Ethanol	1230	1.045
2	n-Propanol	2528	1.710
Tot			



Ethanol 0.105 g/100 mL



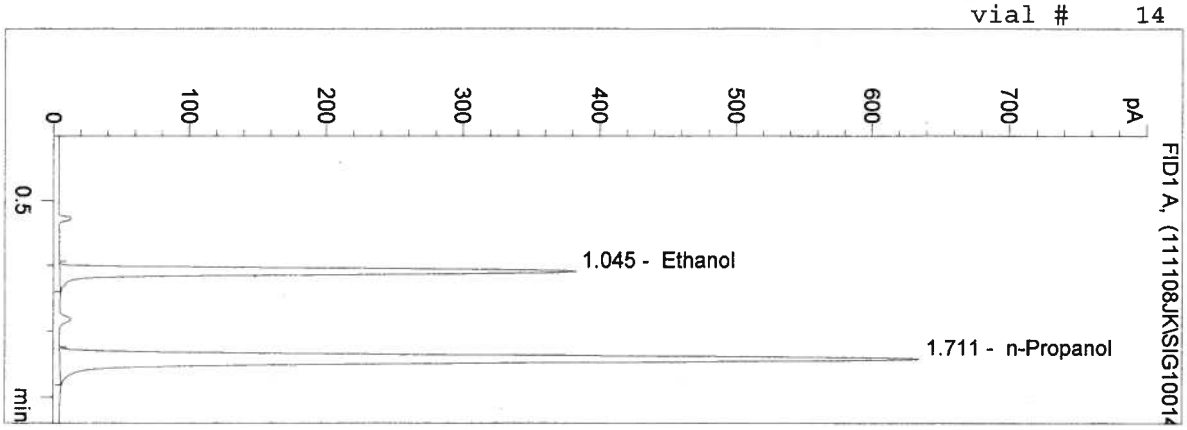
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

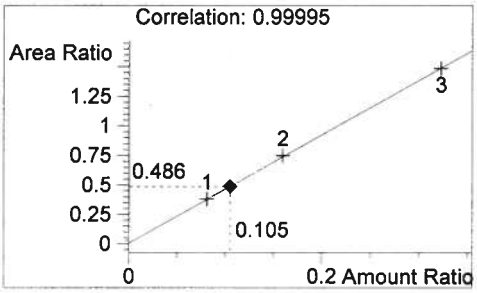
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 12:22:27 PM
Instrument 1
DB-ALC1

11052-5
Justin Knoy

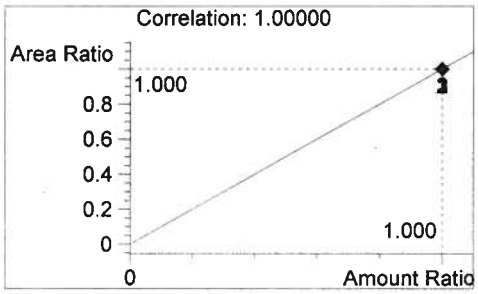
vial # 14



#	Compound	Area	RT
1	Ethanol	1245	1.045
2	n-Propanol	2559	1.711
Tot			



Ethanol 0.105 g/100 mL



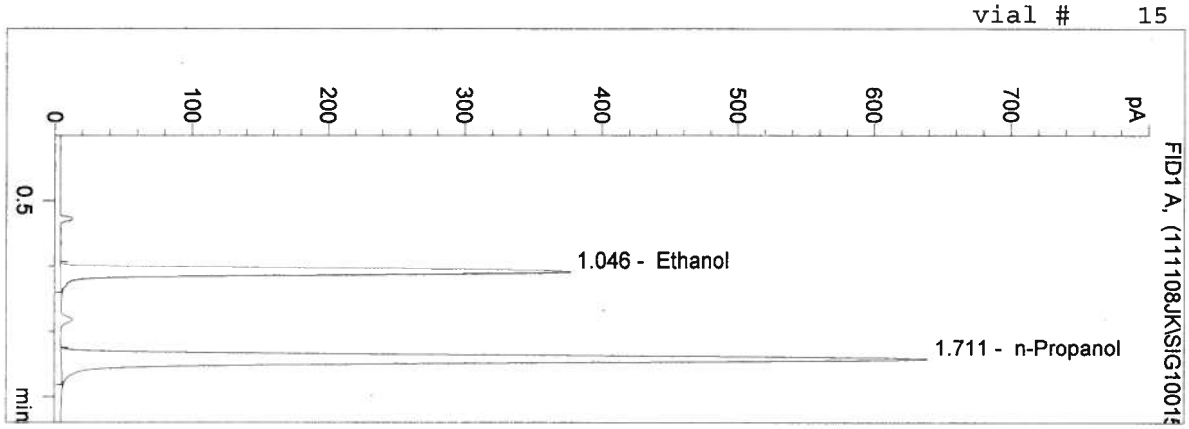
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

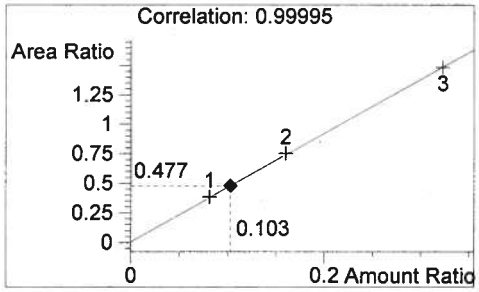
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 12:25:32 PM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

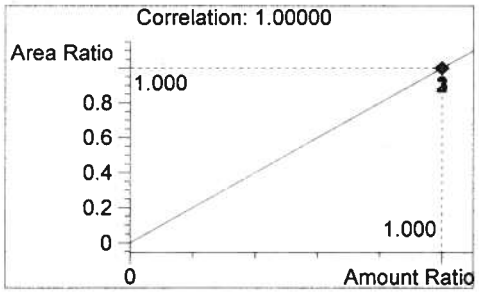
vial # 15



#	Compound	Area	RT
1	Ethanol	1230	1.046
2	n-Propanol	2582	1.711
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

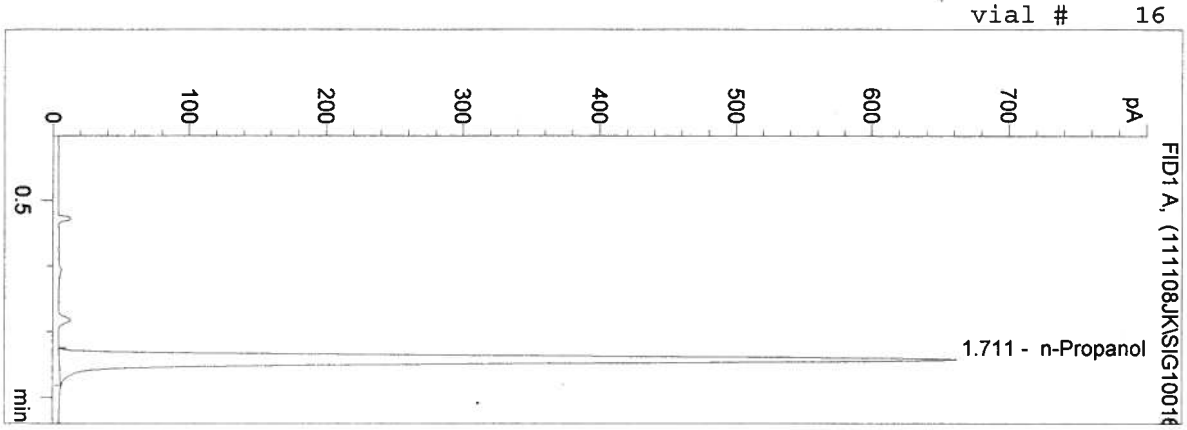
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

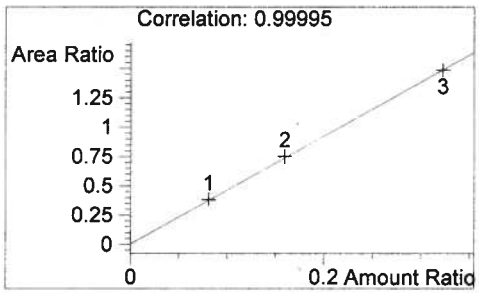
C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 12:28:37 PM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

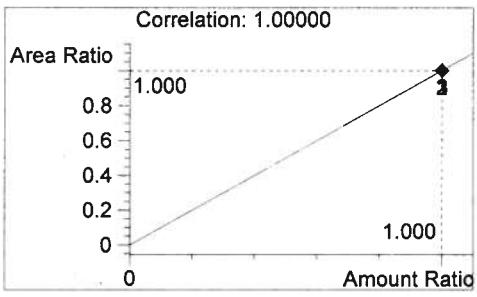
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2671	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11052

Sequence Parameters:

Operator:	Rebecca Flaherty
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	111108R2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0911-01 - Exp. 12/05/11
Ethanol Calibrator 2, E0911-02 - Exp. 12/05/11
Ethanol Calibrator 3, E0911-03 - Exp. 12/05/11

0.04 Control - Lot #A075264 - Exp. 10/2014
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

RK

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	CAL 1 E0911-01 exp 12/05/2011
3	Vial 3	CAL 2 E0911-02 exp 12/05/2011
4	Vial 4	CAL 3 E0911-03 exp 12/05/2011
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	

11052

Sequence: C:\HPCHEM\1\SEQUENCE\RFEXTSTD.S

Line	Location	Sample Information
15	Vial 15	
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-RF	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-RF	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		
10	Vial 10	11052 #1	SIMALC1	1	Sample		
11	Vial 11	11052 #2	SIMALC1	1	Sample		
12	Vial 12	11052 #3	SIMALC1	1	Sample		
13	Vial 13	11052 #4	SIMALC1	1	Sample		
14	Vial 14	11052 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		

RF

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

11052

Calibration Table

Calib. Data Modified : Tuesday, November 08, 2011 3:57:16 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

RF

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
1.045	1	1	8.12800e-2	946.79816	8.58472e-5	1		Ethanol
		2	1.60090e-1	1893.08337	8.45657e-5			
		3	3.22750e-1	3809.33252	8.47261e-5			
1.710	1	1	1.00000	2492.39819	4.01220e-4	I1		n-Propanol
		2	1.00000	2536.79370	3.94198e-4			
		3	1.00000	2571.48682	3.88880e-4			

Peak Sum Table

No Entries in table

11052

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Calibration Curves

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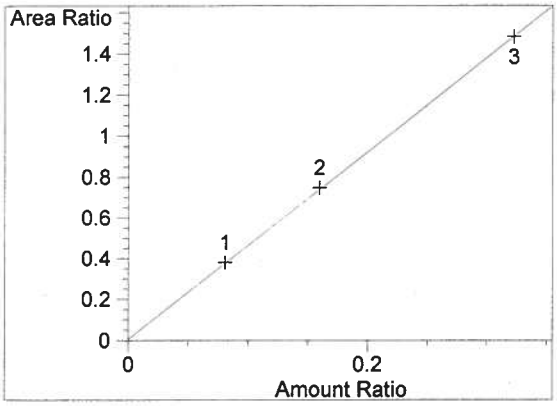
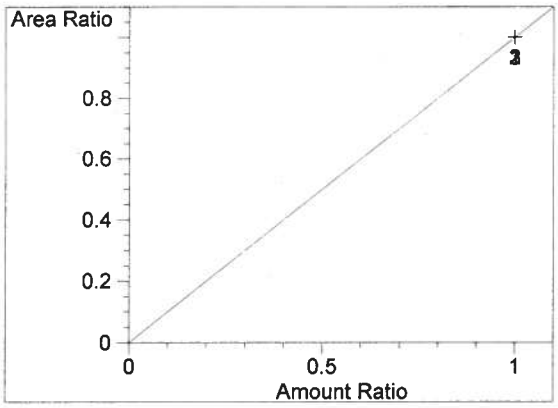


Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00684
Formula: y = mx + b
m: 4.58653
b: 5.03600e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
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

==========

RF

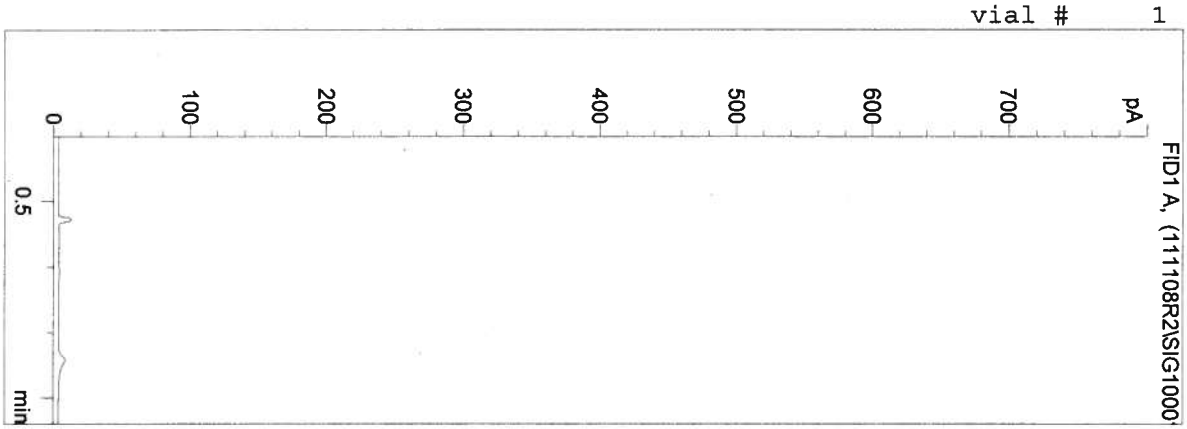
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 3:45:48 PM
Instrument 1
DB-ALC1

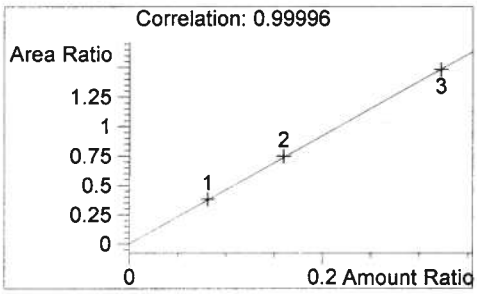
BLANK
Rebecca Flaherty

vial # 1

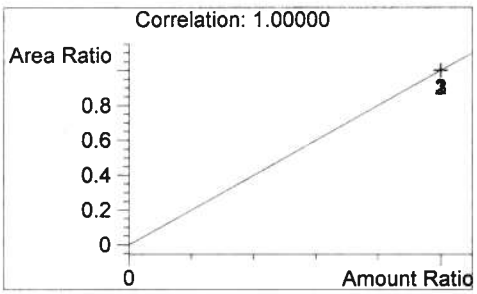


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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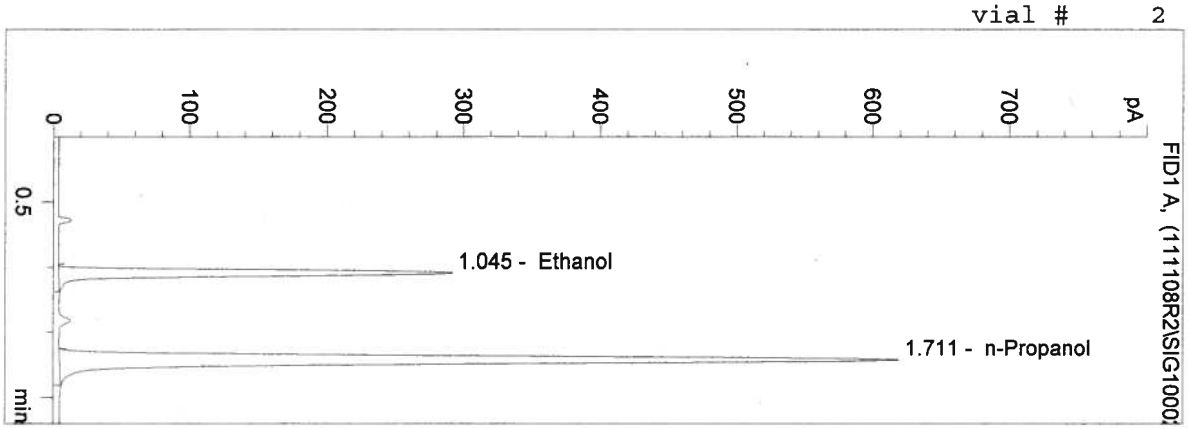
Instrument 1
DB-ALC1

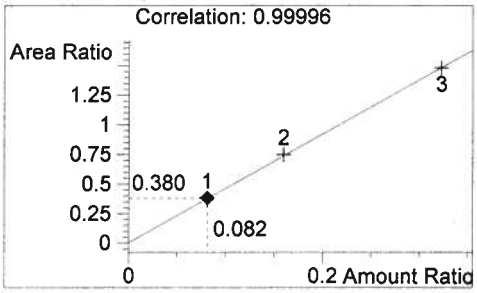
0.079 CAL 1
Rebecca Flaherty

vial # 2

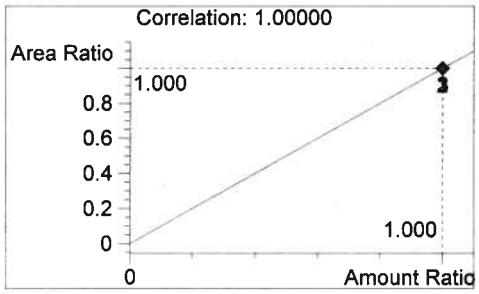


#	Compound	Area	RT
1	Ethanol	947	1.045
2	n-Propanol	2492	1.711
Tot			

RK



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

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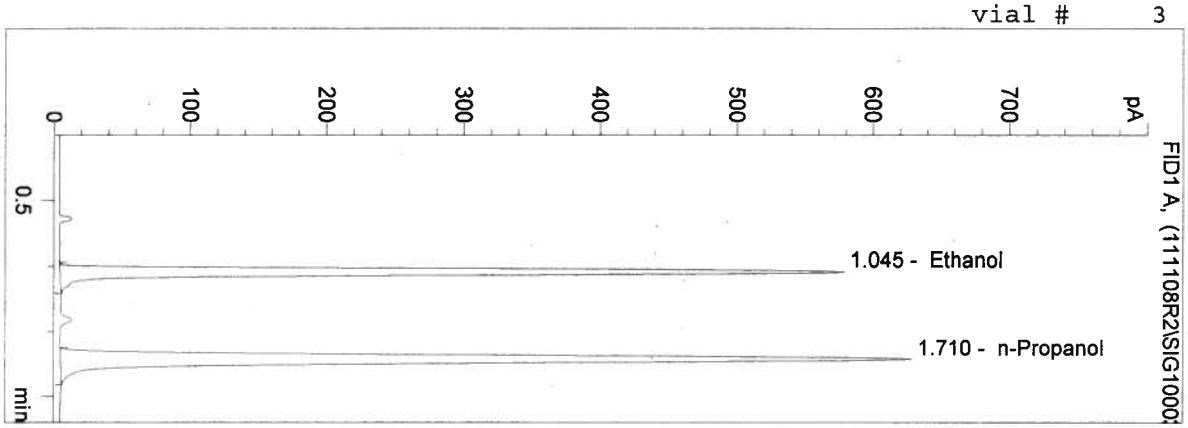
Instrument 1
DB-ALC1

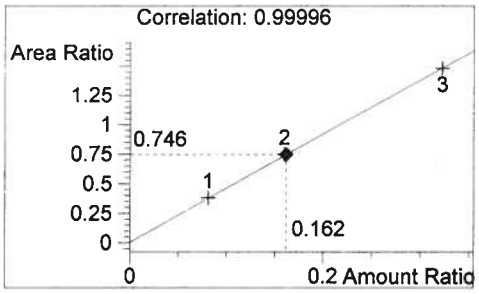
0.158 CAL 2
Rebecca Flaherty

vial # 3

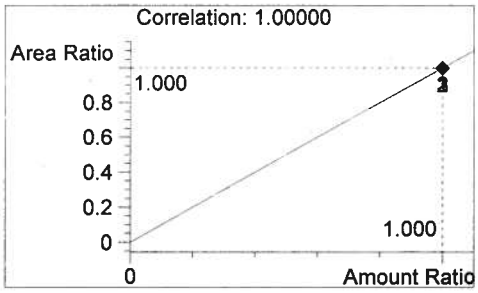


#	Compound	Area	RT
1	Ethanol	1893	1.045
2	n-Propanol	2537	1.710
Tot			

RF



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

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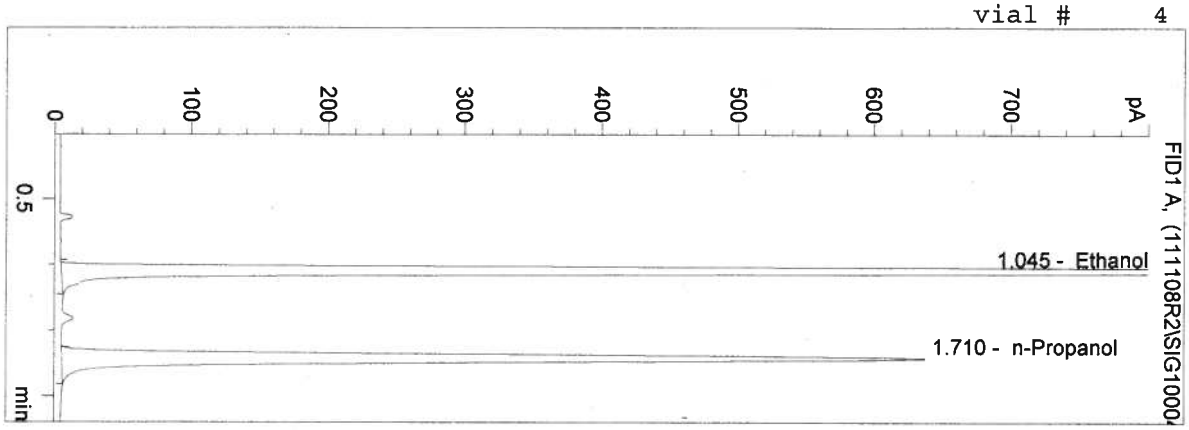
Instrument 1
DB-ALC1

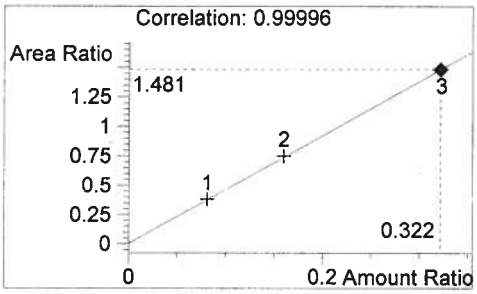
0.316 CAL 3
Rebecca Flaherty

vial # 4

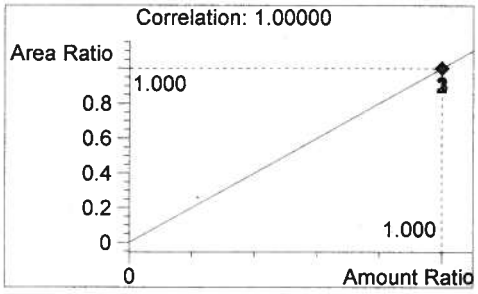


#	Compound	Area	RT
1	Ethanol	3809	1.045
2	n-Propanol	2571	1.710
Tot			

RK



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

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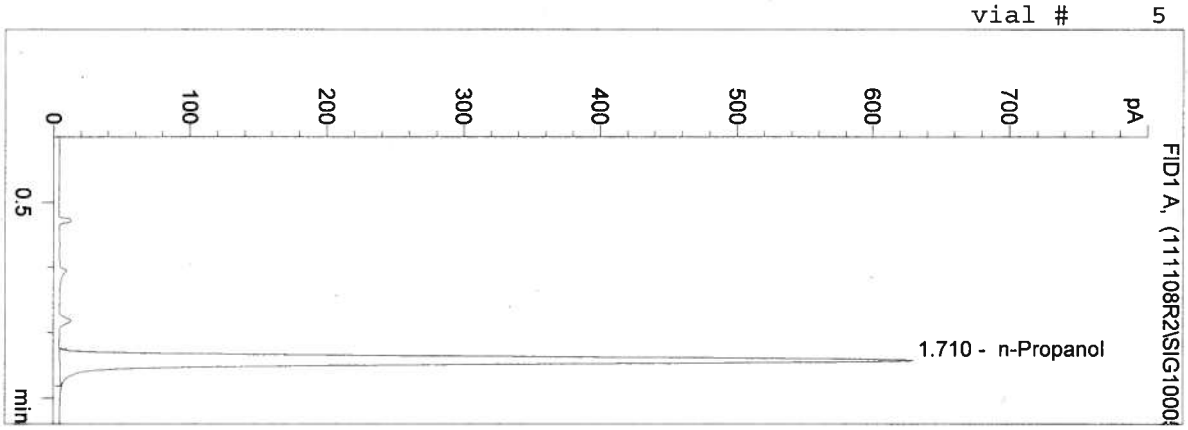
Instrument 1
DB-ALC1

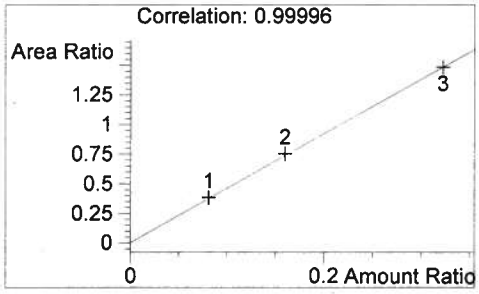
NEG CONTROL-RF
Rebecca Flaherty

vial # 5

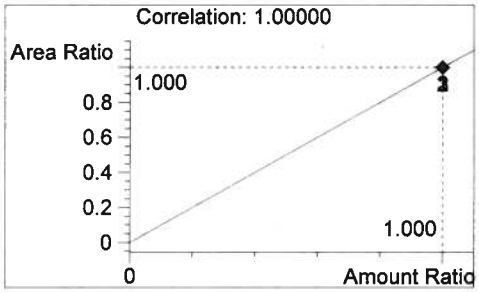


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2535	1.710
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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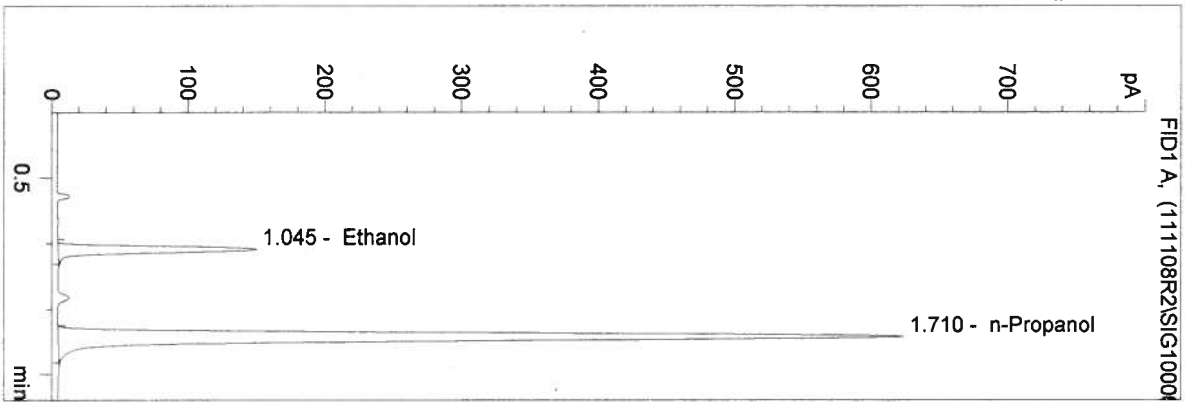
Instrument 1
DB-ALC1

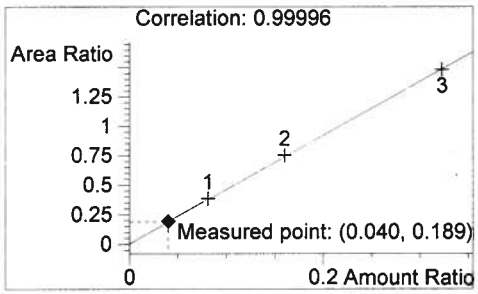
0.04 CONTROL-RF
Rebecca Flaherty

vial # 6

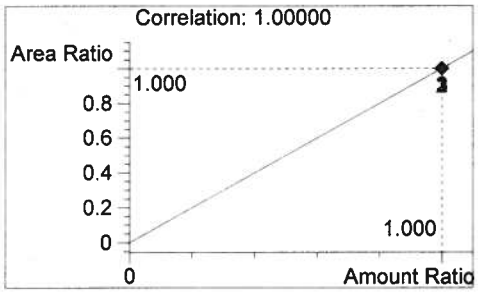


#	Compound	Area	RT
1	Ethanol	475	1.045
2	n-Propanol	2512	1.710
Tot			

RF



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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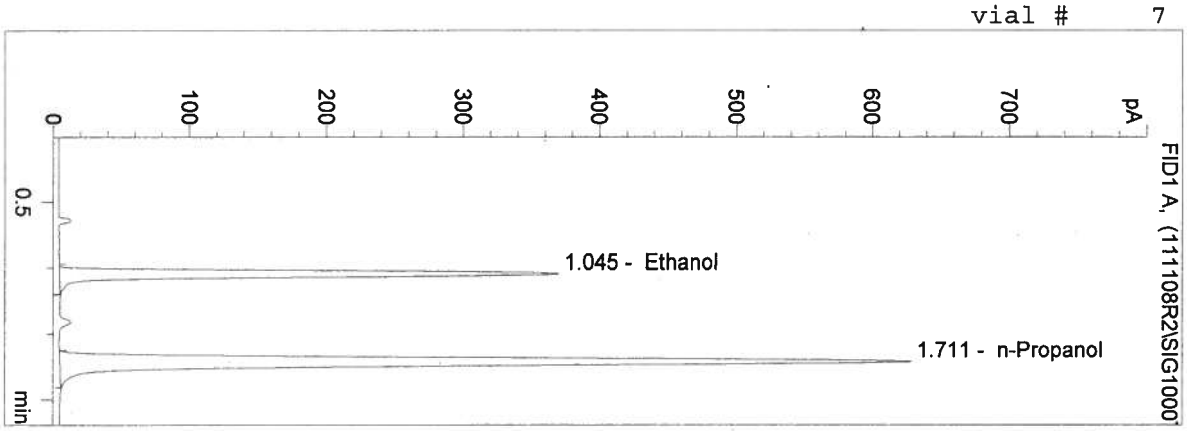
Instrument 1
DB-ALC1

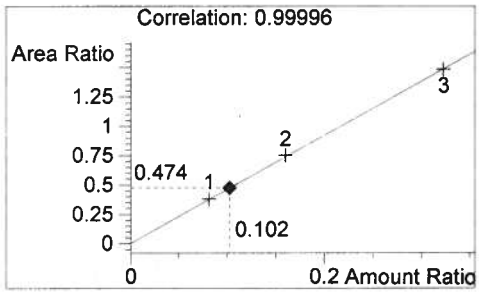
0.10 CONTROL-RF
Rebecca Flaherty

vial # 7

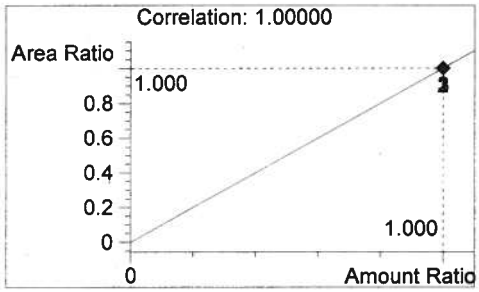


#	Compound	Area	RT
1	Ethanol	1203	1.045
2	n-Propanol	2539	1.711
Tot			

RF



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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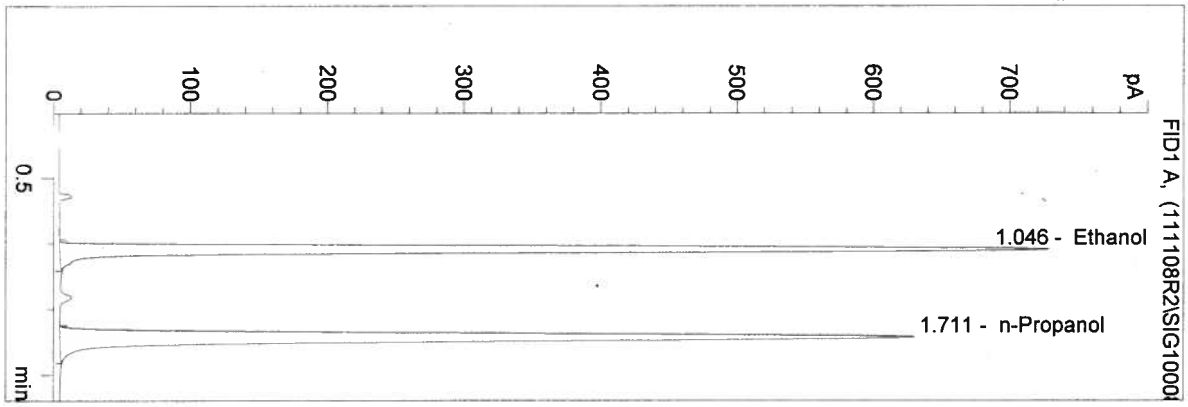
Instrument 1
DB-ALC1

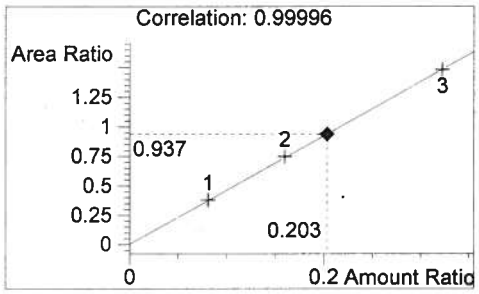
0.20 CONTROL-RF
Rebecca Flaherty

vial # 8

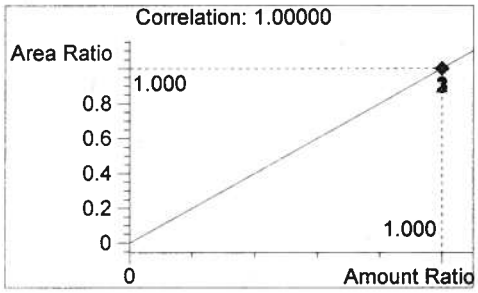


#	Compound	Area	RT
1	Ethanol	2372	1.046
2	n-Propanol	2531	1.711
Tot			

RF



Ethanol 0.203 g/100 mL



n-Propanol 1.000 g/100 mL

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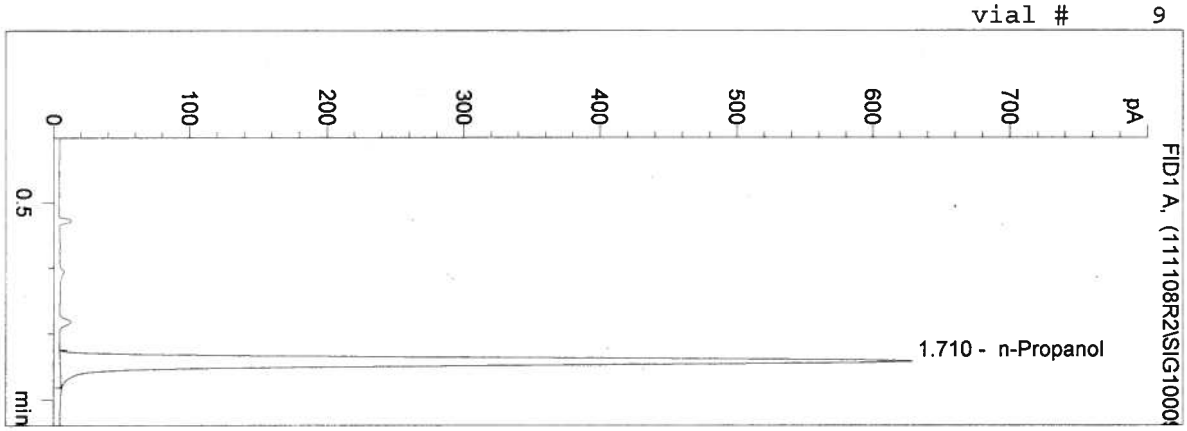
Instrument 1
DB-ALC1

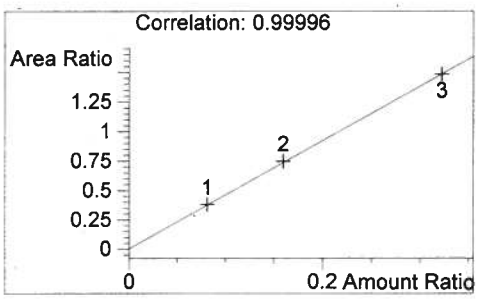
NEG CONTROL-RF
Rebecca Flaherty

vial # 9

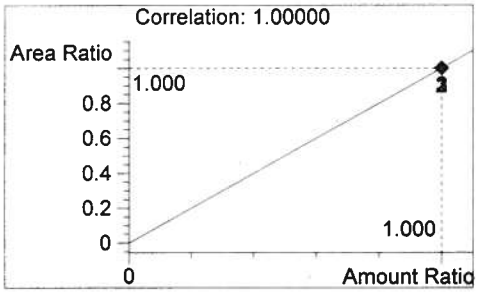


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2534	1.710
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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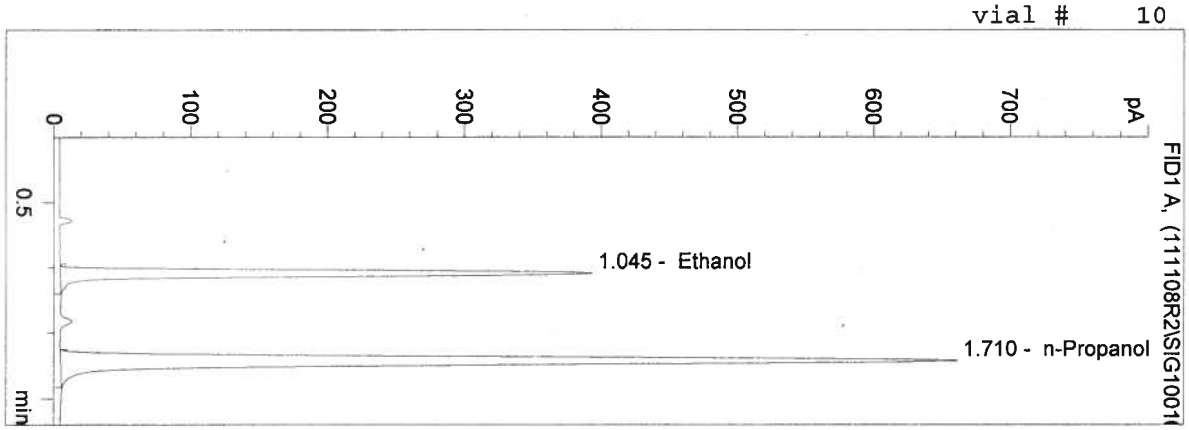
Instrument 1
DB-ALC1

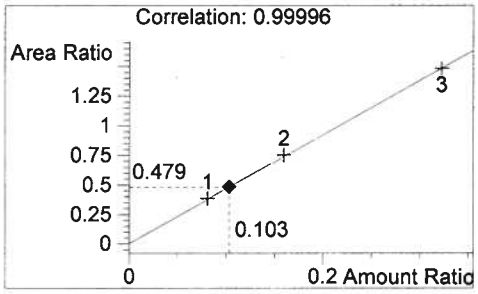
11052 #1
Rebecca Flaherty

vial # 10

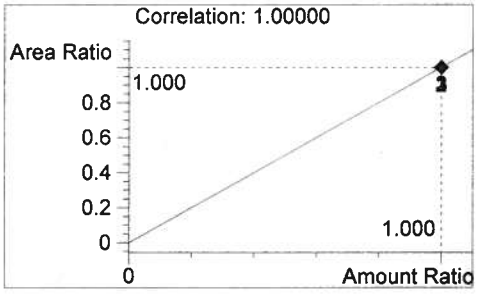


#	Compound	Area	RT
1	Ethanol	1274	1.045
2	n-Propanol	2660	1.710
Tot			

RF



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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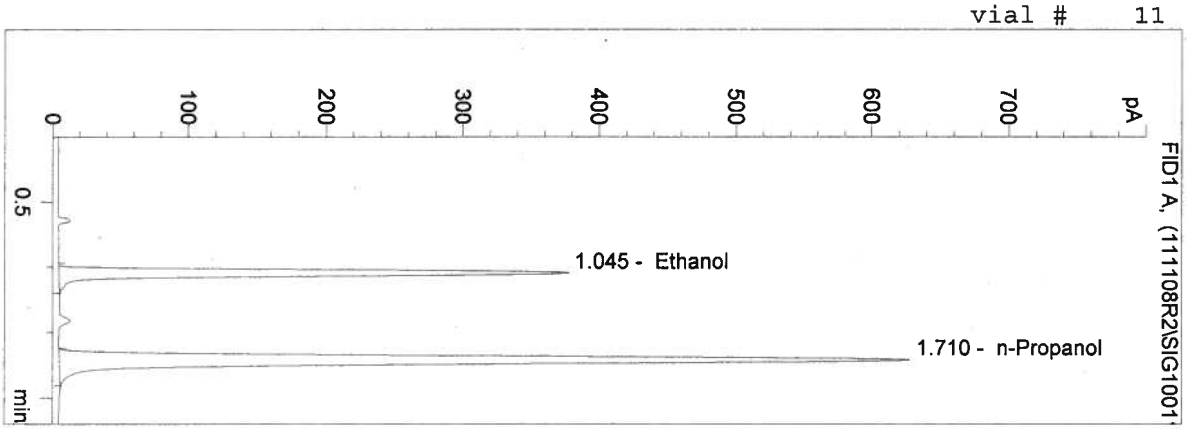
Instrument 1
DB-ALC1

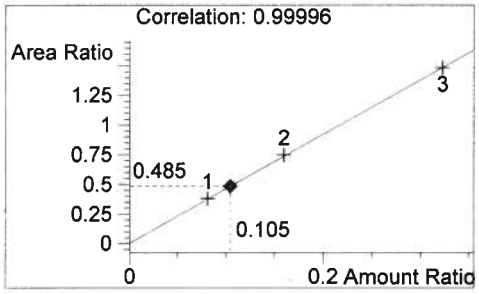
11052 #2
Rebecca Flaherty

vial # 11

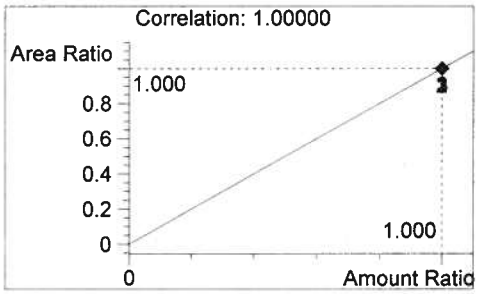


#	Compound	Area	RT
1	Ethanol	1229	1.045
2	n-Propanol	2534	1.710
Tot			

RX



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

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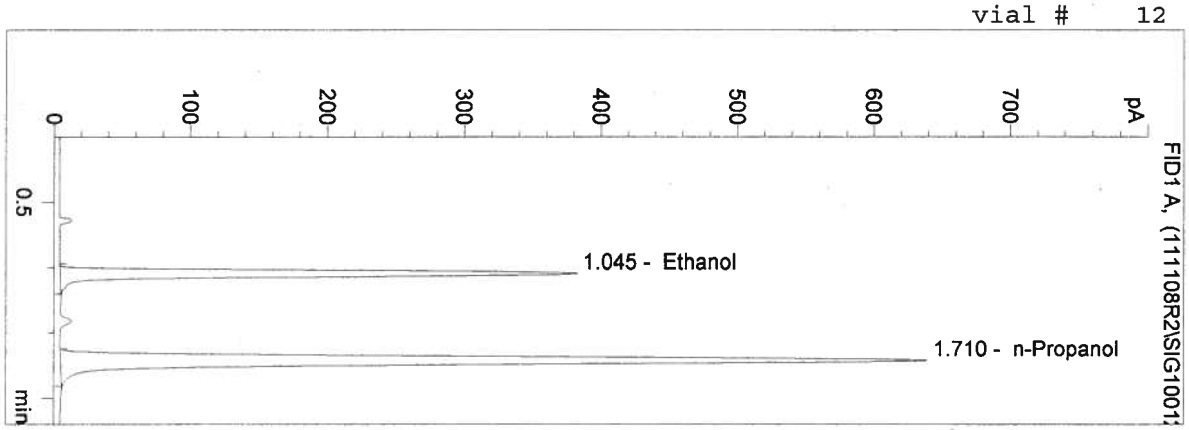
11/8/2011 4:19:40 PM
Instrument 1
DB-ALC1

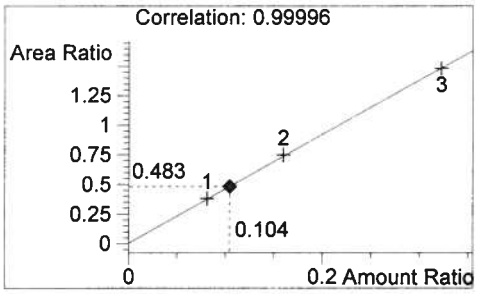
11052 #3
Rebecca Flaherty

vial # 12

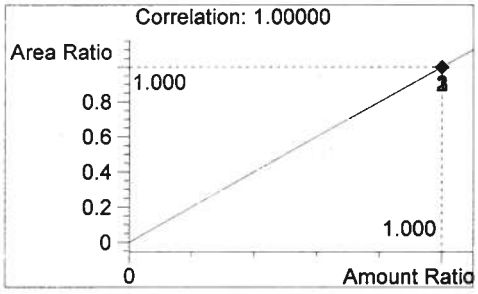


#	Compound	Area	RT
1	Ethanol	1244	1.045
2	n-Propanol	2576	1.710
Tot			

RF



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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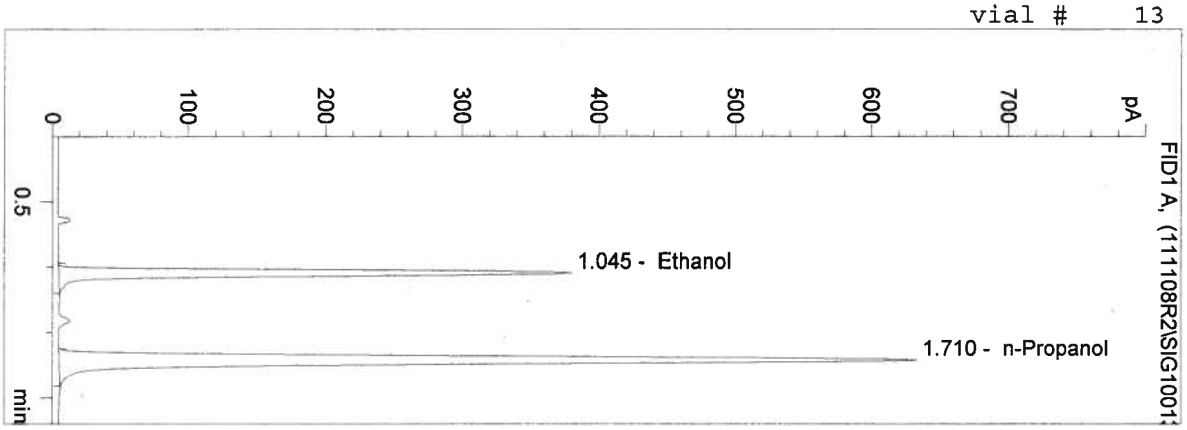
Instrument 1
DB-ALC1

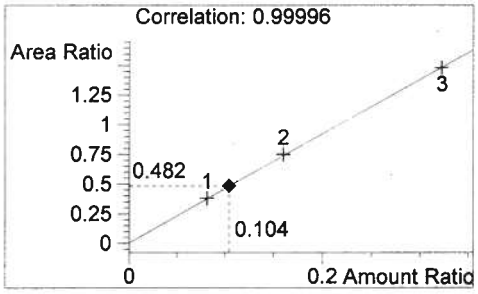
11052 #4
Rebecca Flaherty

vial # 13

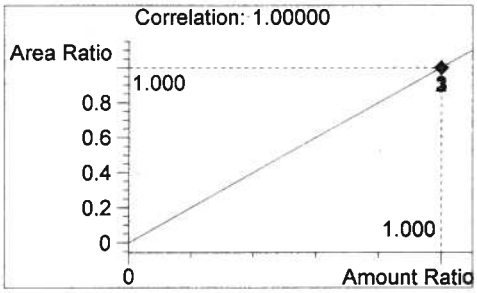


#	Compound	Area	RT
1	Ethanol	1231	1.045
2	n-Propanol	2552	1.710
Tot			

RF



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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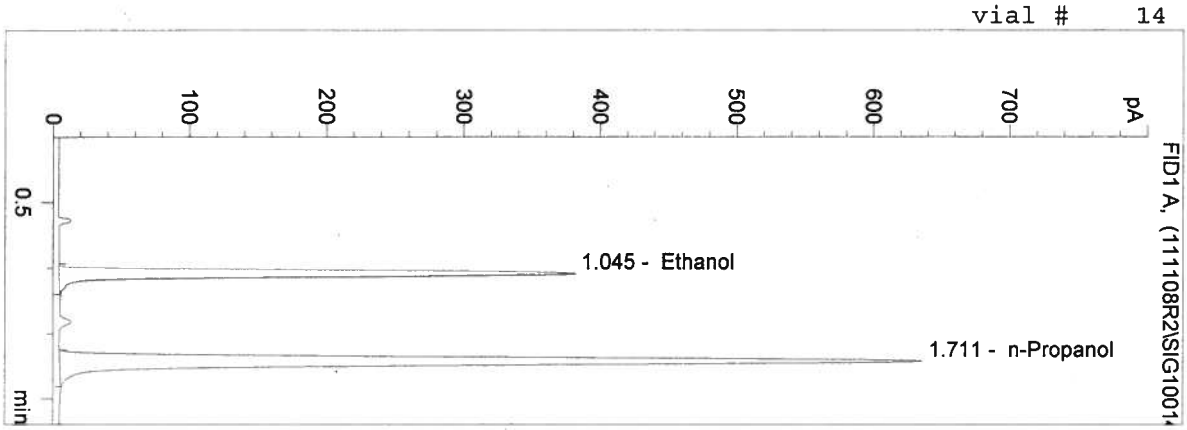
11/8/2011 4:25:50 PM
Instrument 1
DB-ALC1

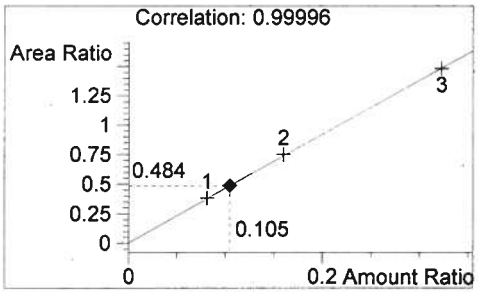
11052 #5
Rebecca Flaherty

vial # 14

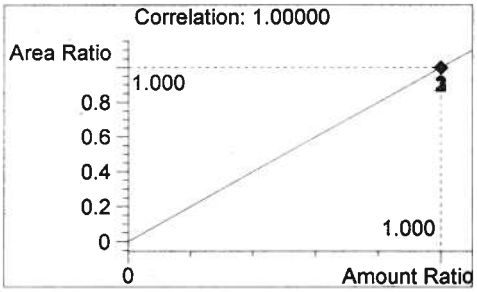


#	Compound	Area	RT
1	Ethanol	1243	1.045
2	n-Propanol	2565	1.711
Tot			

RF



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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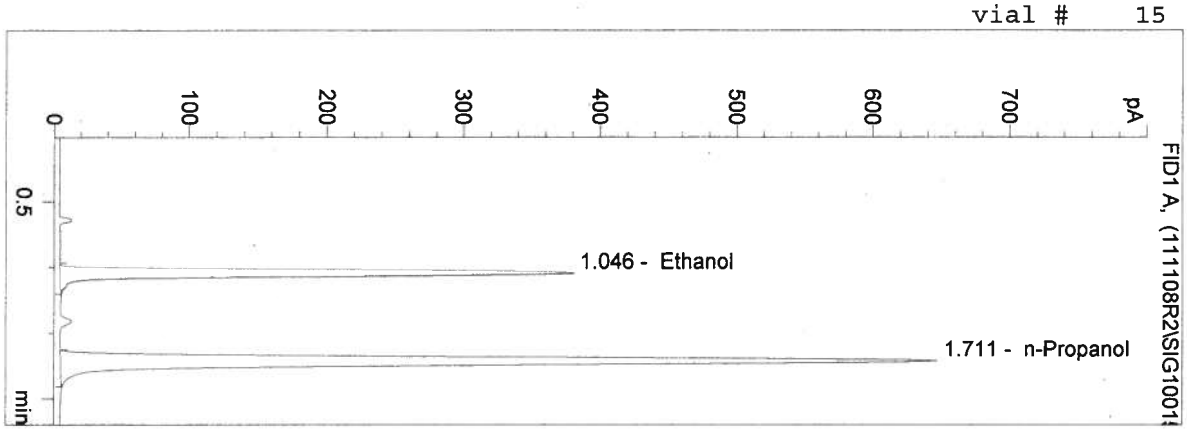
11/8/2011 4:28:54 PM
Instrument 1
DB-ALC1

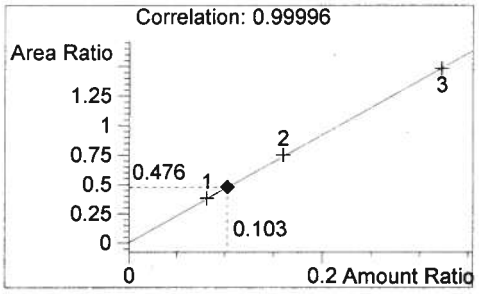
0.10 CONTROL-RF
Rebecca Flaherty

vial # 15

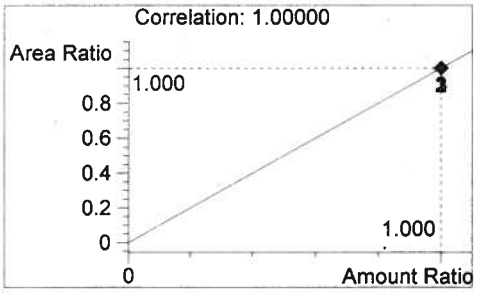


#	Compound	Area	RT
1	Ethanol	1245	1.046
2	n-Propanol	2617	1.711
Tot			

RF



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

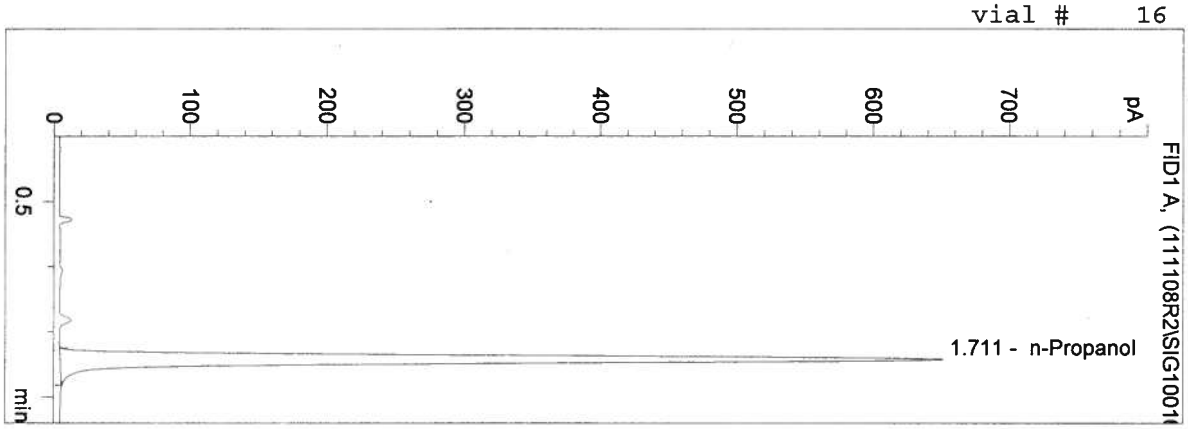
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
11/8/2011 4:31:59 PM
Instrument 1
DB-ALC1

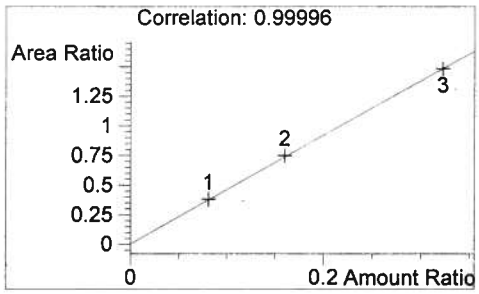
NEG CONTROL-RF
Rebecca Flaherty

vial # 16

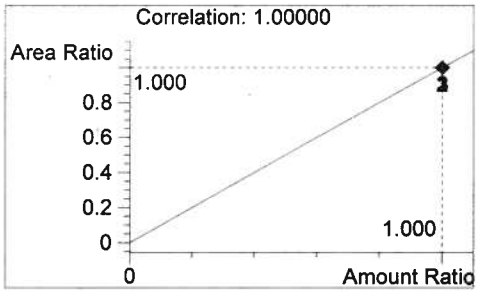


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2633	1.711
Tot			

RS



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11052

Sequence Parameters:

Operator:	Brianna Peterson
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	111109BP
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	E0911-01
3	Vial 3	E0911-02
4	Vial 4	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	

11052

BP

Sequence: C:\HPCHEM\1\SEQUENCE\BPEXTSTD.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL - BP	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - BP	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - BP	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - BP	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - BP	SIMALC1	1	Ctrl Samp		
10	Vial 10	11052 #1	SIMALC1	1	Sample		
11	Vial 11	11052 #2	SIMALC1	1	Sample		
12	Vial 12	11052 #3	SIMALC1	1	Sample		
13	Vial 13	11052 #4	SIMALC1	1	Sample		
14	Vial 14	11052 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - BP	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - BP	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

11052

BP

Calibration Table

Calib. Data Modified : Wednesday, November 09, 2011 1:03:44 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
1.045	1	1	8.12800e-2	945.65955	8.59506e-5	1		Ethanol
		2	1.60090e-1	1873.84302	8.54341e-5			
		3	3.22750e-1	3735.96997	8.63899e-5			
1.710	1	1	1.00000	2464.63501	4.05740e-4	I1		n-Propanol
		2	1.00000	2490.94946	4.01453e-4			
		3	1.00000	2519.00586	3.96982e-4			

Peak Sum Table

No Entries in table

11052

BS

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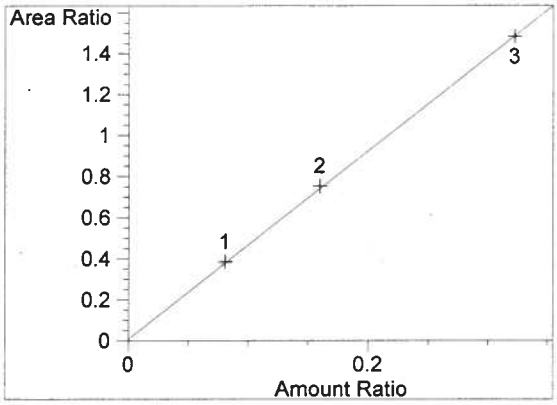
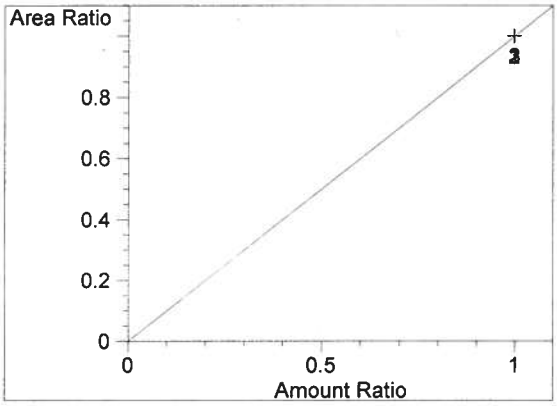
Calibration Curves

==========



Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99992
Residual Std. Dev.: 0.00997
Formula: y = mx + b
m: 4.59009
b: 7.42515e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
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

==========

11052

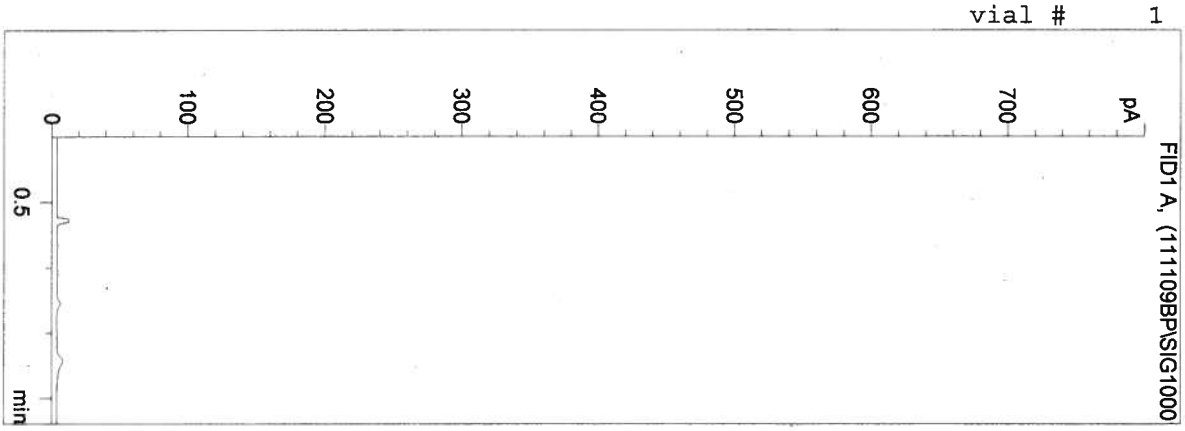
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

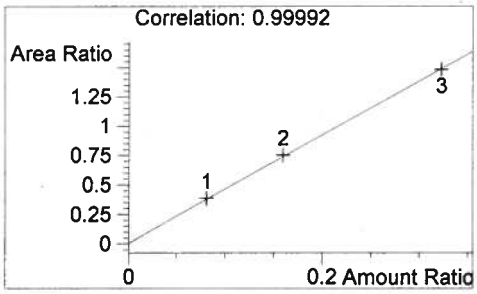
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 12:52:17 PM
Instrument 1
DB-ALC1

blank
Brianna Peterson

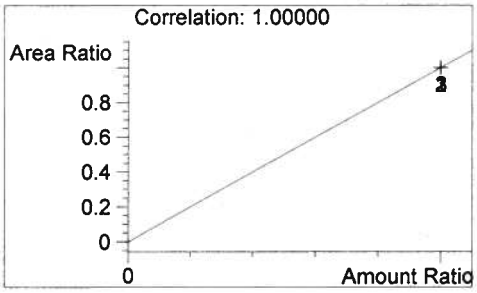
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

11052

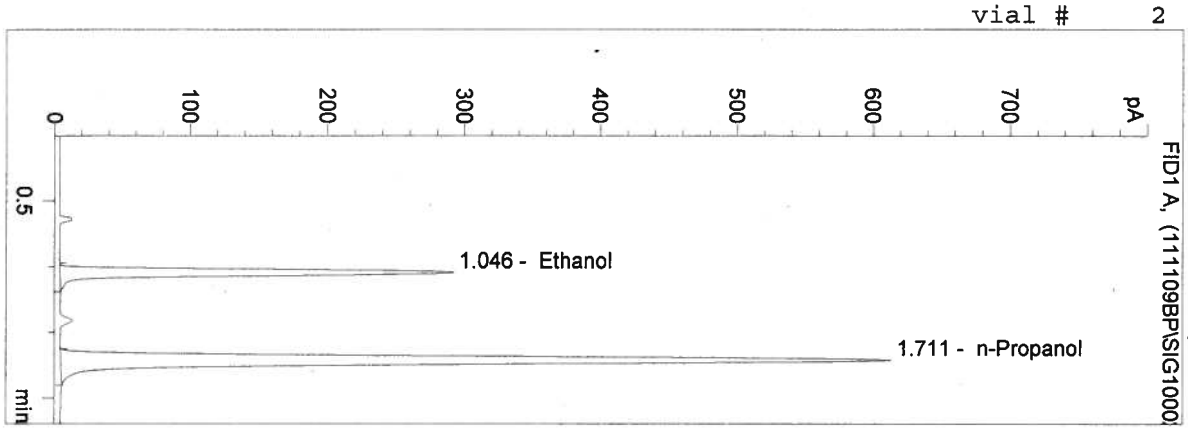
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

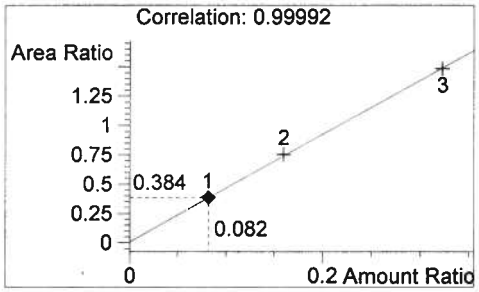
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 12:55:21 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianna Peterson

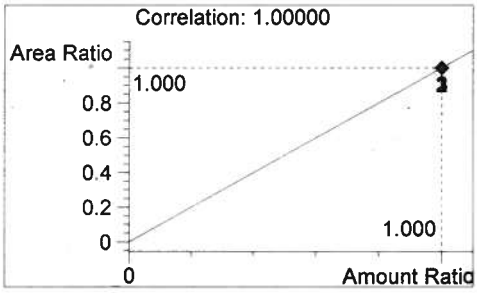
vial # 2



#	Compound	Area	RT
1	Ethanol	946	1.046
2	n-Propanol	2465	1.711
Tot			



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

11052

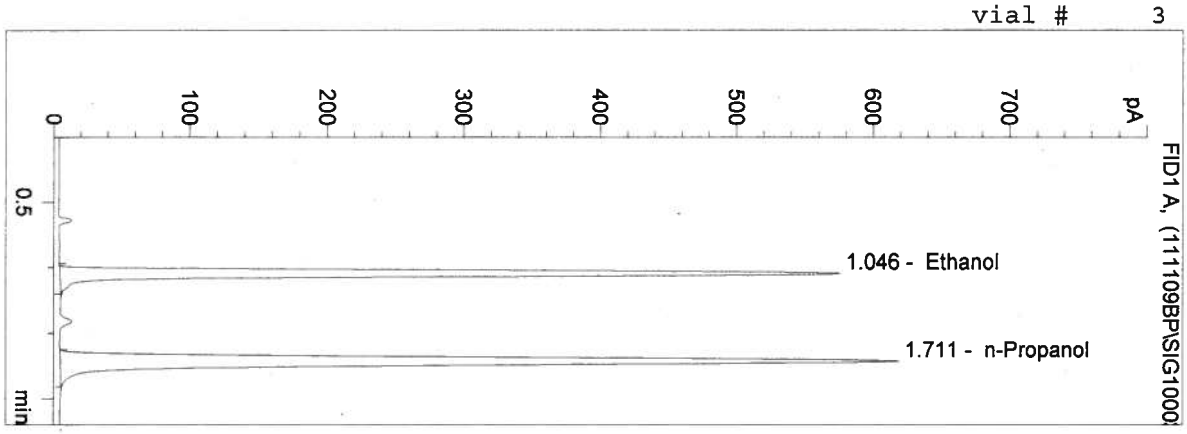
Bb

WASHINGTON STATE TOXICOLOGY LABORATORY

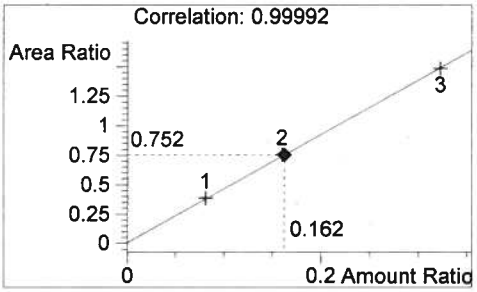
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 12:58:26 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianna Peterson

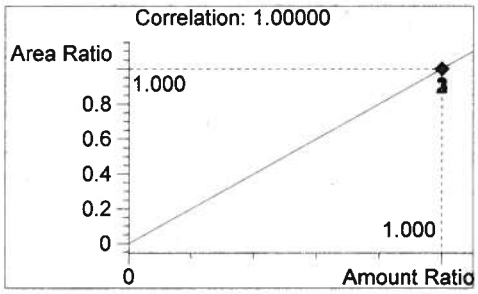
vial # 3



#	Compound	Area	RT
1	Ethanol	1874	1.046
2	n-Propanol	2491	1.711
Tot			



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

11052

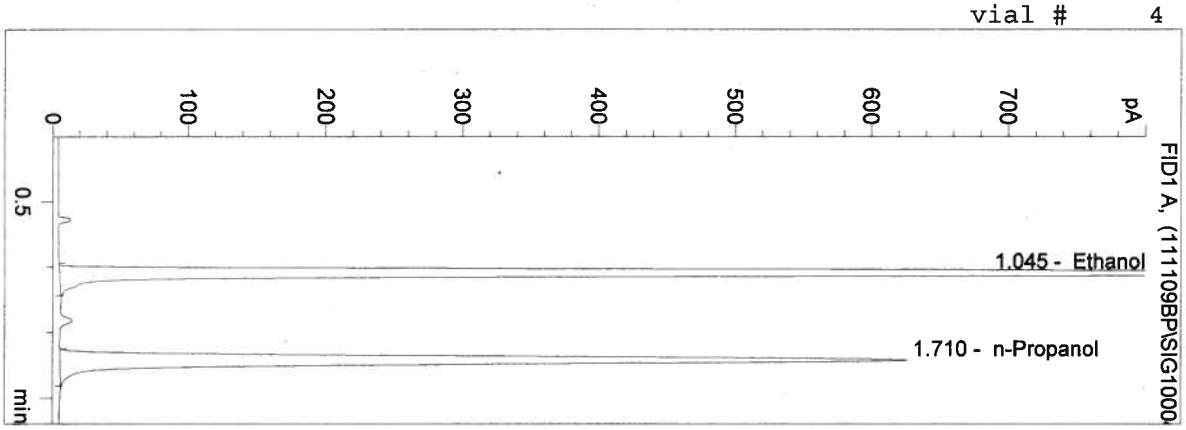
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

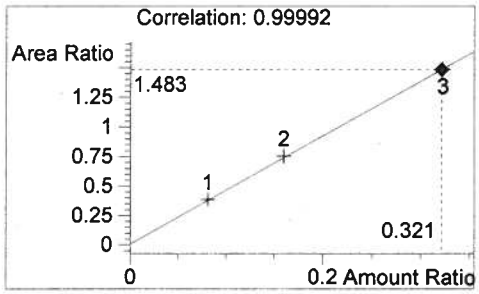
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 1:01:31 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianna Peterson

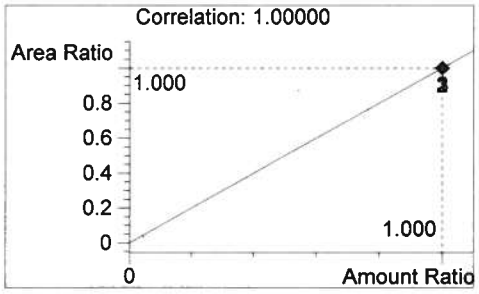
vial # 4



#	Compound	Area	RT
1	Ethanol	3736	1.045
2	n-Propanol	2519	1.710
Tot			



Ethanol 0.321 g/100 mL



n-Propanol 1.000 g/100 mL

11052

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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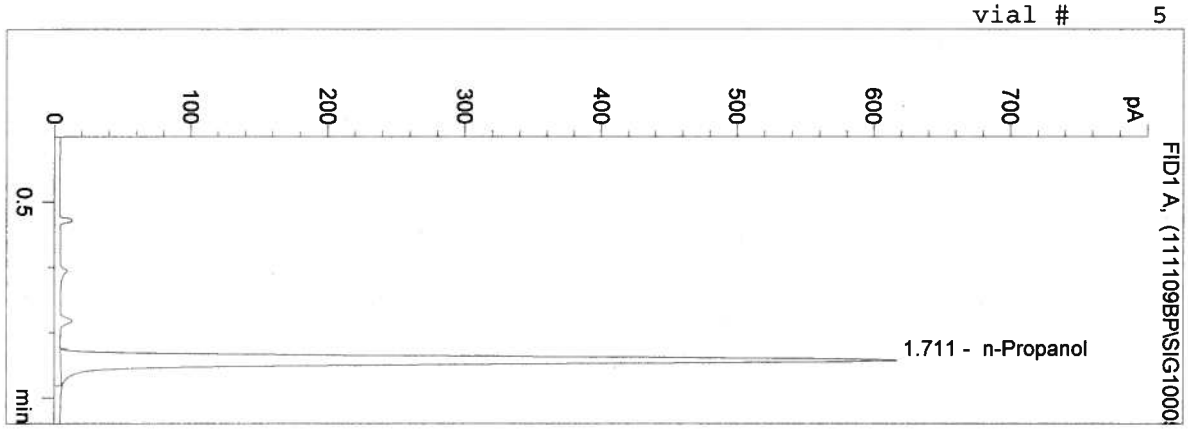
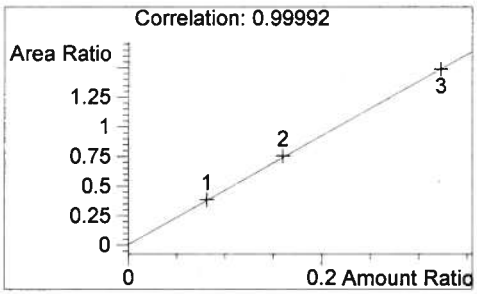
11/9/2011 1:04:35 PM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

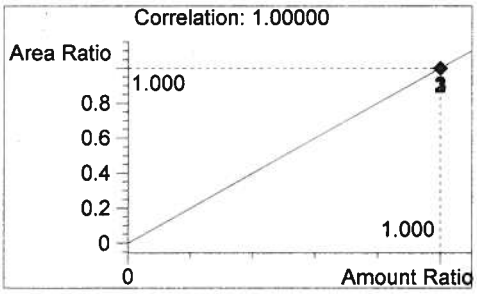
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2489	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11052

WASHINGTON STATE TOXICOLOGY LABORATORY

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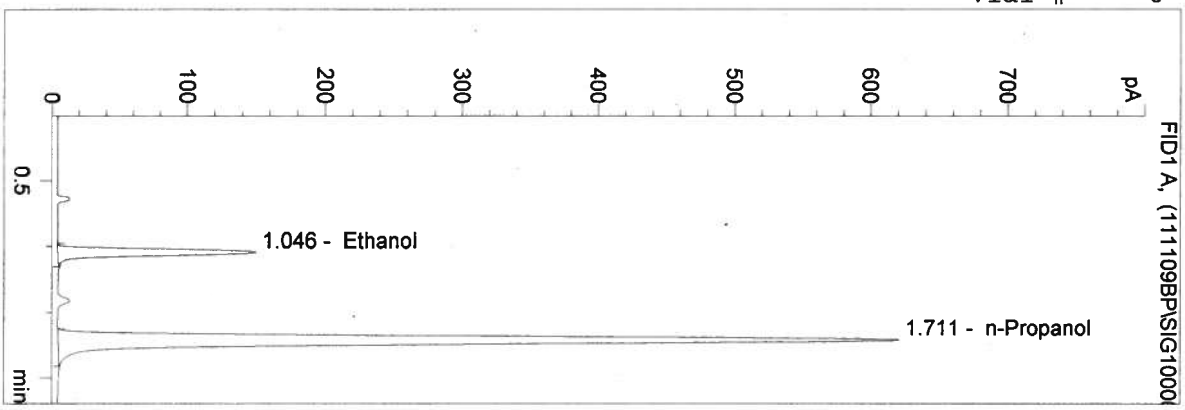
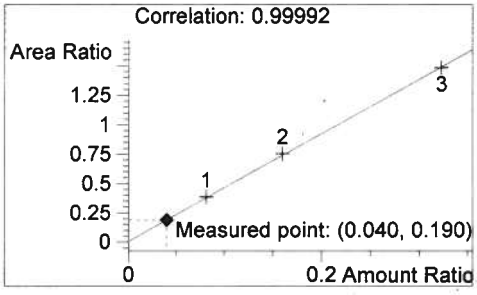
11/9/2011 1:07:37 PM
Instrument 1
DB-ALC1

0.04 CTRL - BP
Brianna Peterson

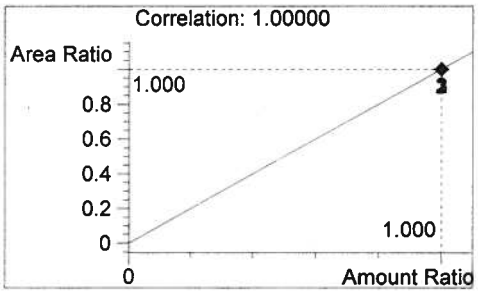
vial # 6



#	Compound	Area	RT
1	Ethanol	475	1.046
2	n-Propanol	2505	1.711
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

11052

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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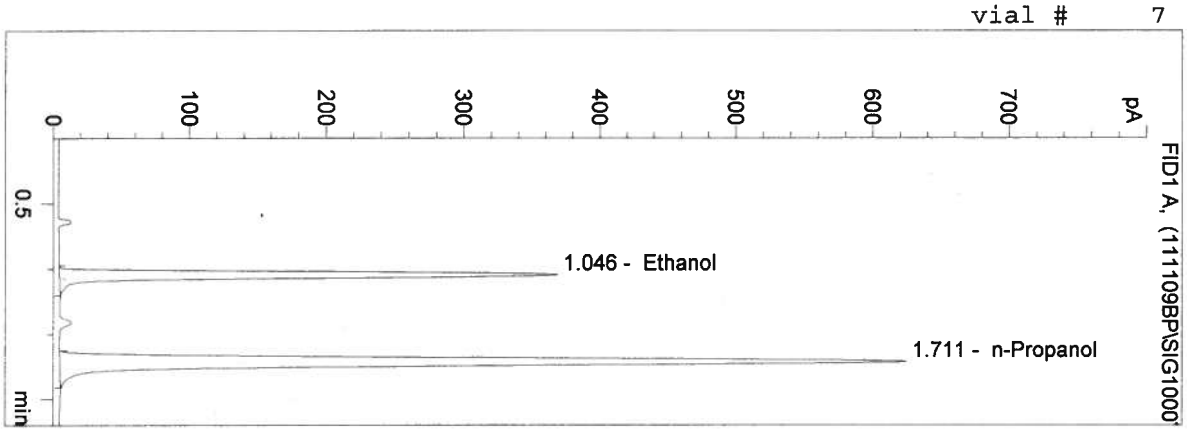
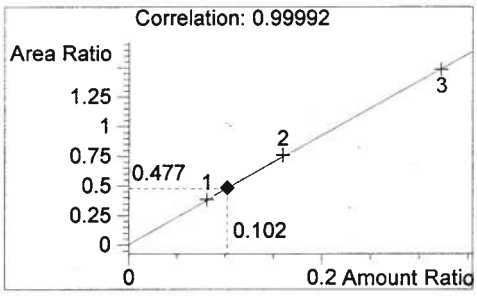
11/9/2011 1:10:41 PM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

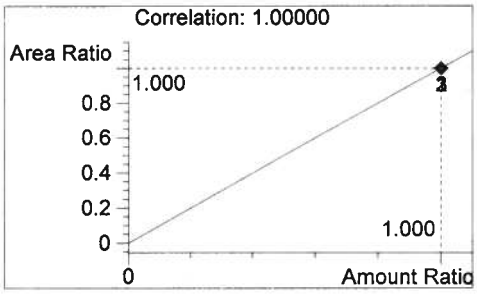
vial # 7



#	Compound	Area	RT
1	Ethanol	1201	1.046
2	n-Propanol	2520	1.711
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

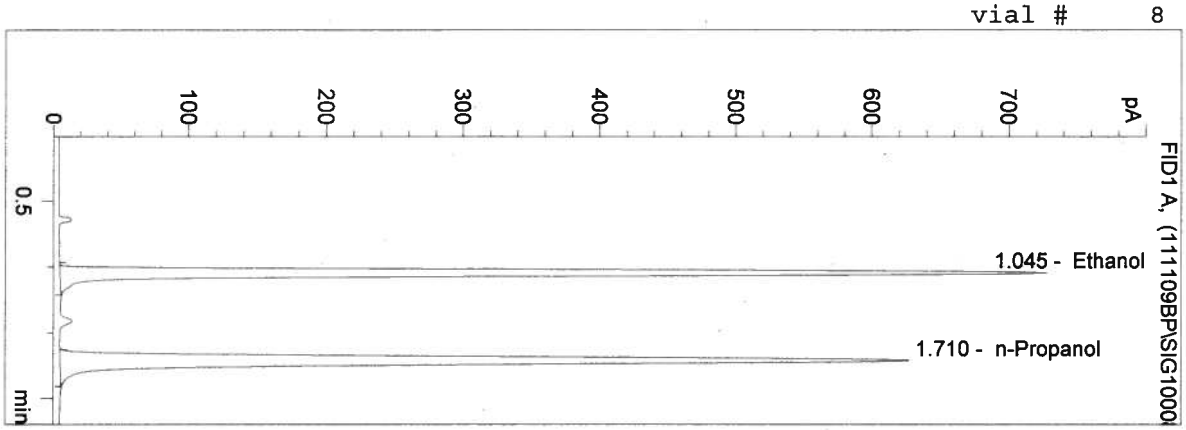
11052 BP

WASHINGTON STATE TOXICOLOGY LABORATORY

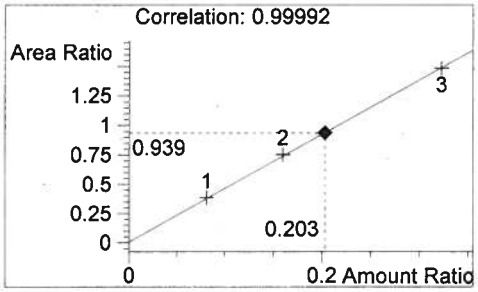
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 1:13:46 PM
Instrument 1
DB-ALC1

0.20 CTRL - BP
Brianna Peterson

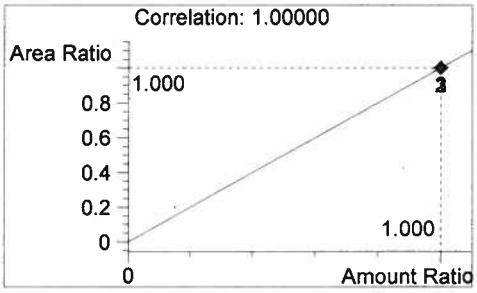
vial # 8



#	Compound	Area	RT
1	Ethanol	2375	1.045
2	n-Propanol	2529	1.710
Tot			



Ethanol 0.203 g/100 mL



n-Propanol 1.000 g/100 mL

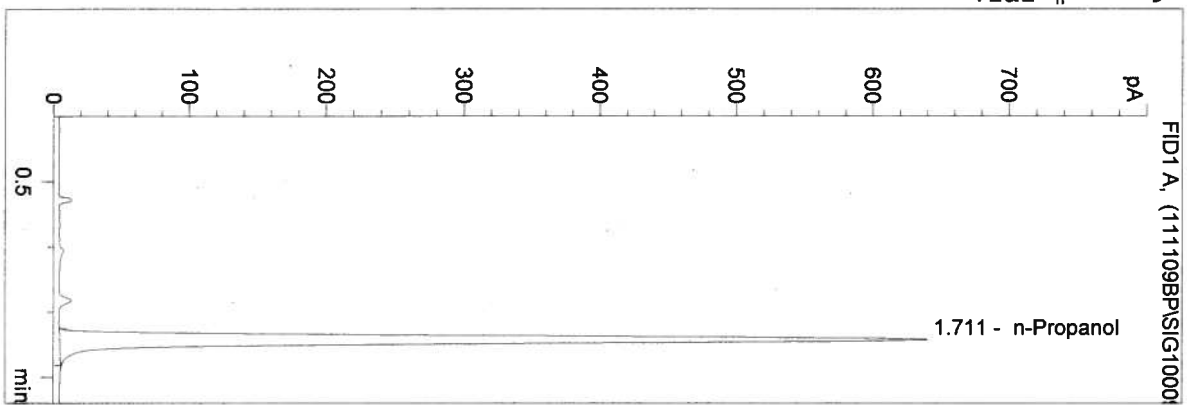
11052 BP

WASHINGTON STATE TOXICOLOGY LABORATORY

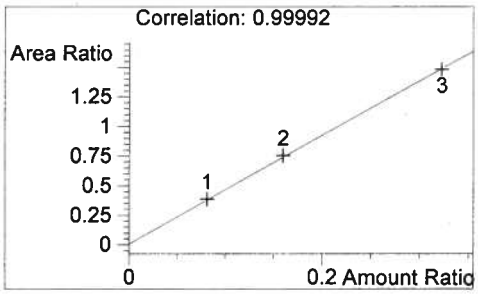
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 1:16:51 PM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

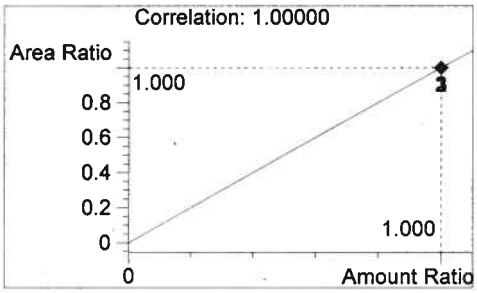
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2582	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

BP

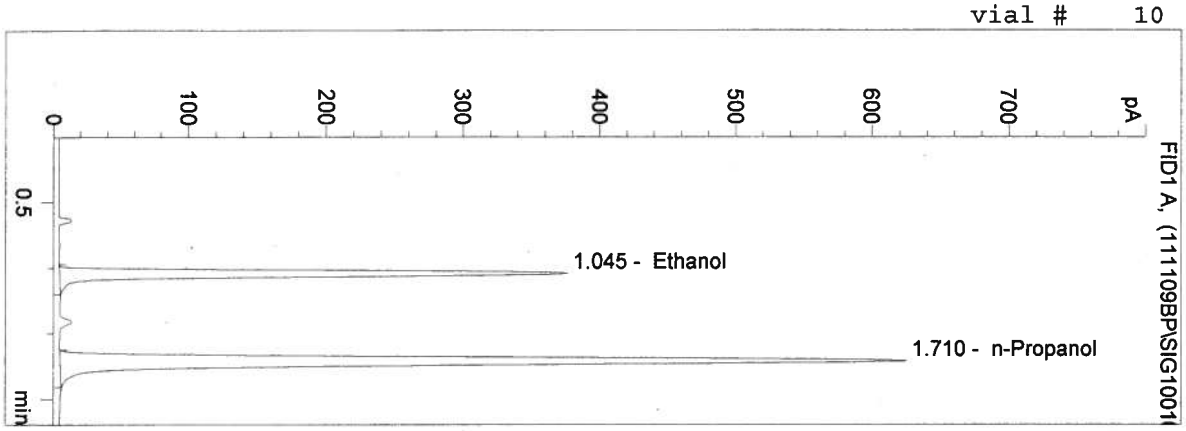
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

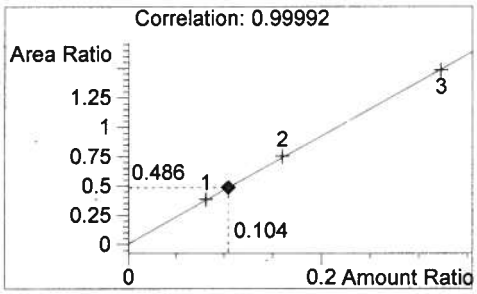
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 1:19:56 PM
Instrument 1
DB-ALC1

11052 #1
Brianna Peterson

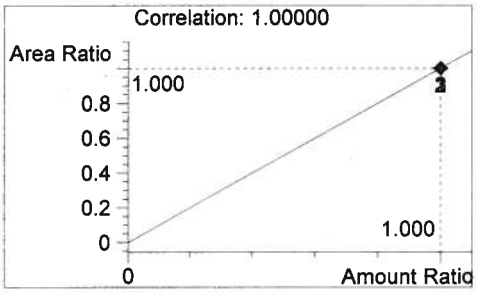
vial # 10



#	Compound	Area	RT
1	Ethanol	1222	1.045
2	n-Propanol	2515	1.710
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

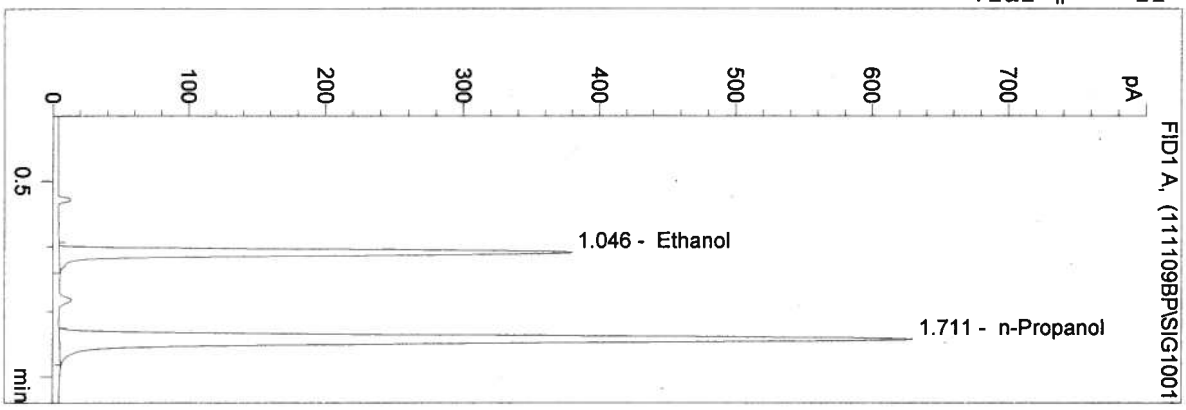
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

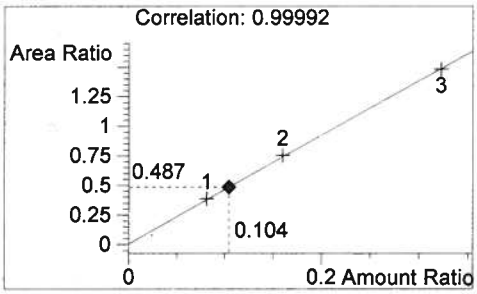
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 1:23:00 PM
Instrument 1
DB-ALC1

11052 #2
Brianna Peterson

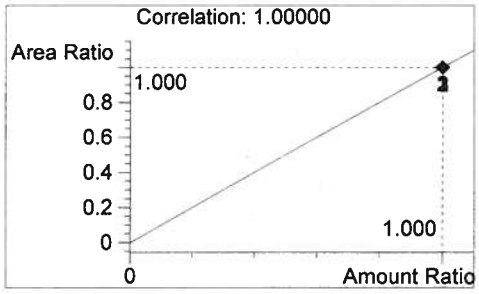
vial # 11



#	Compound	Area	RT
1	Ethanol	1238	1.046
2	n-Propanol	2543	1.711
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

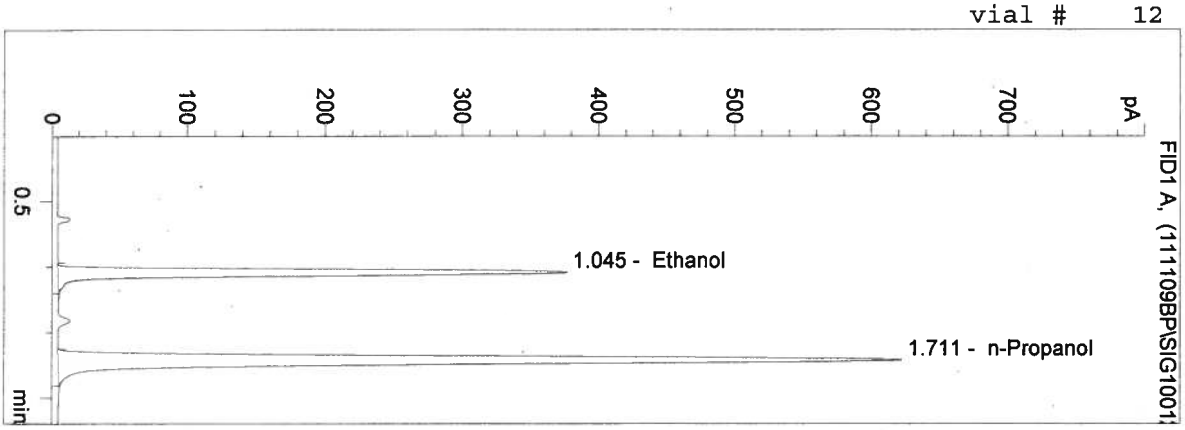
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

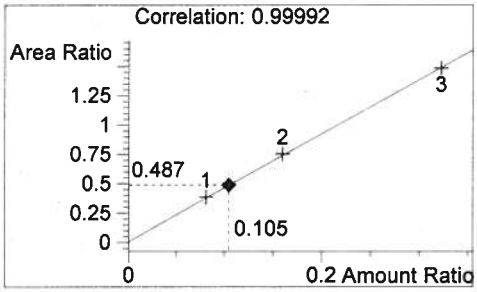
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 1:26:05 PM
Instrument 1
DB-ALC1

11052 #3
Brianna Peterson

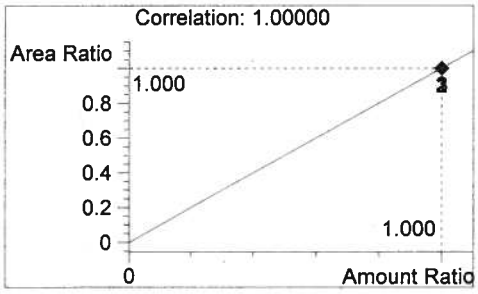
vial # 12



#	Compound	Area	RT
1	Ethanol	1222	1.045
2	n-Propanol	2509	1.711
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

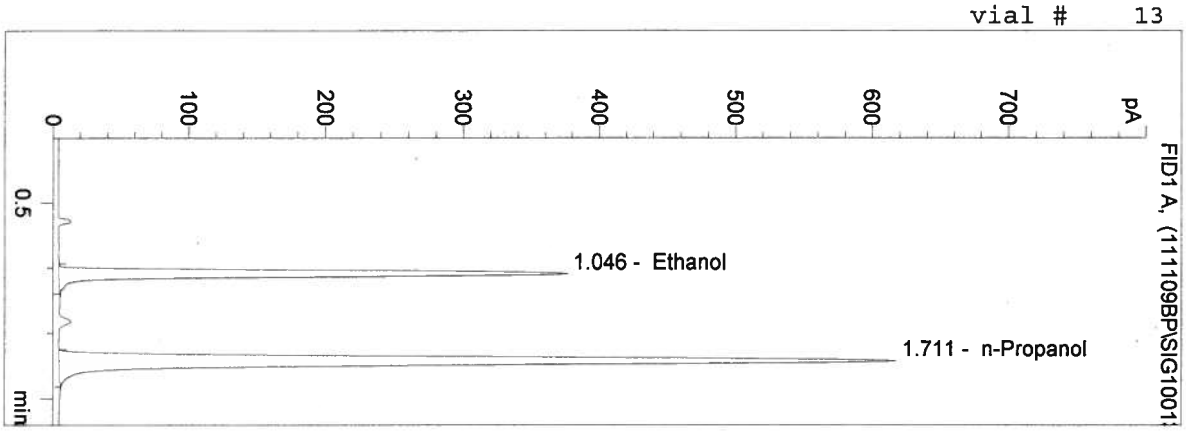
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

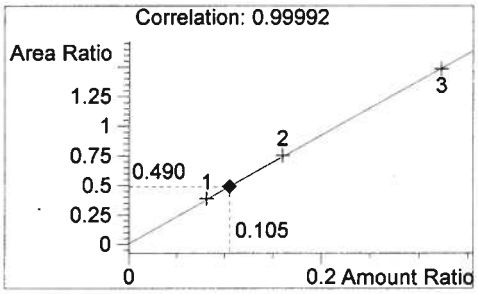
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 1:29:10 PM
Instrument 1
DB-ALC1

11052 #4
Brianna Peterson

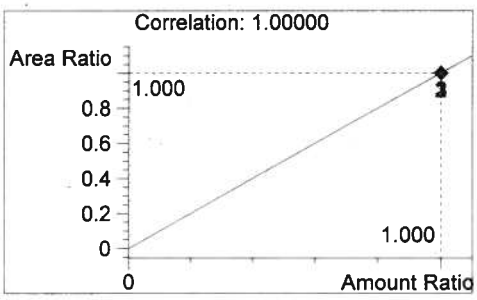
vial # 13



#	Compound	Area	RT
1	Ethanol	1217	1.046
2	n-Propanol	2487	1.711
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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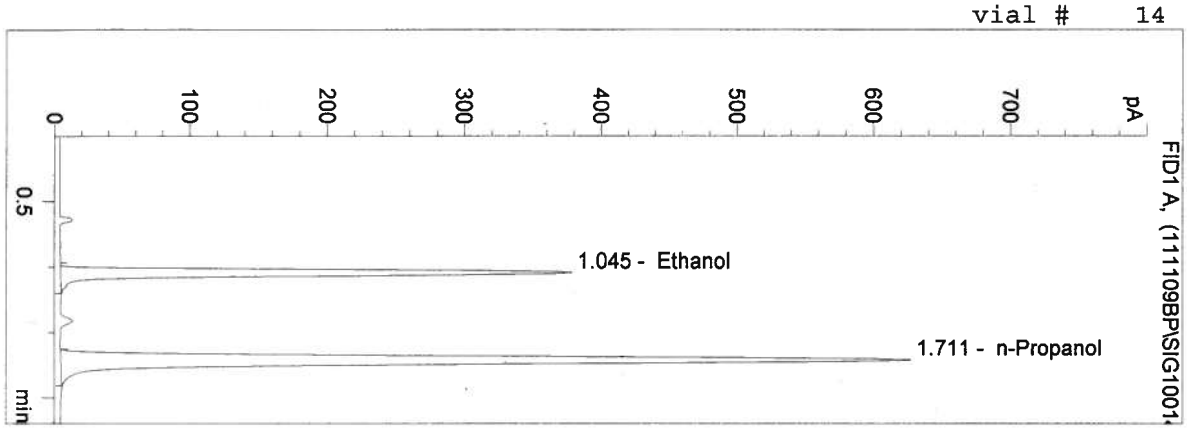
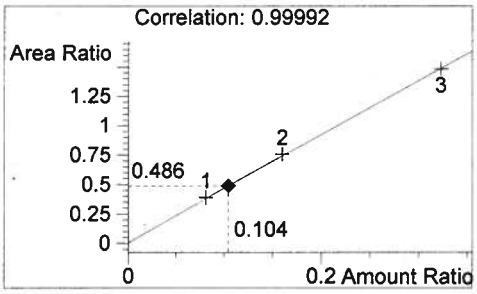
11/9/2011 1:32:15 PM
Instrument 1
DB-ALC1

11052 #5
Brianna Peterson

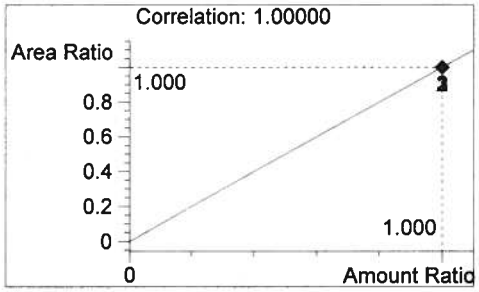
vial # 14



#	Compound	Area	RT
1	Ethanol	1228	1.045
2	n-Propanol	2526	1.711
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

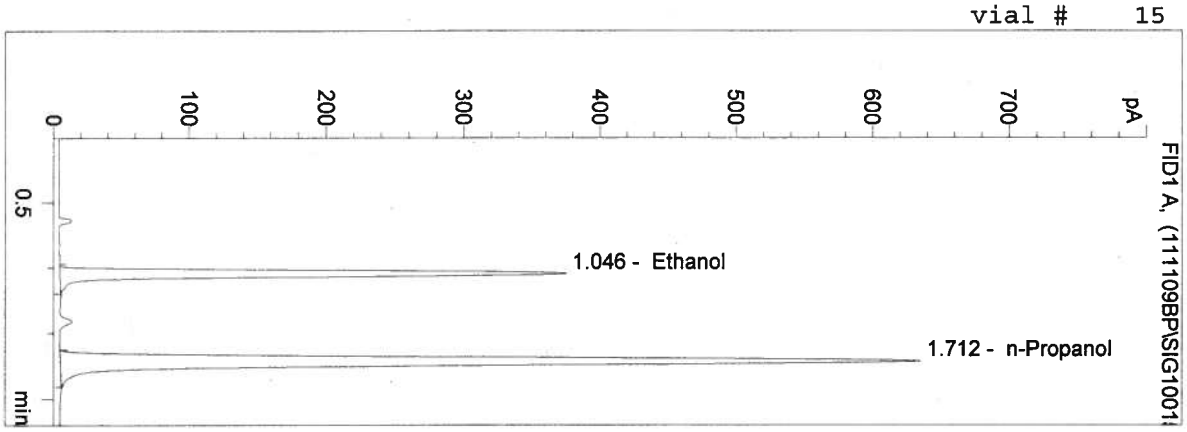
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

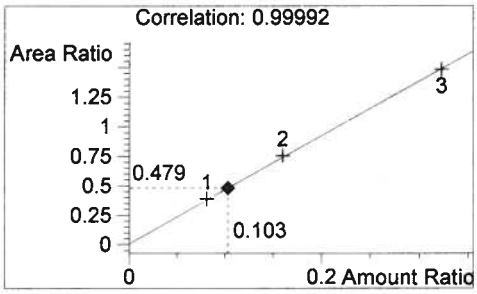
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 1:35:19 PM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

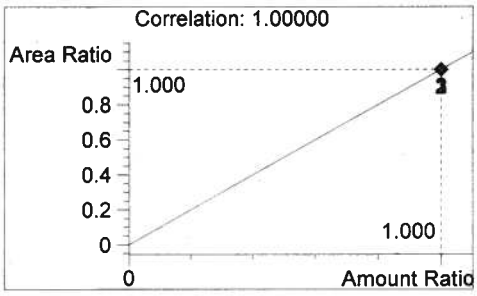
vial # 15



#	Compound	Area	RT
1	Ethanol	1229	1.046
2	n-Propanol	2564	1.712
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

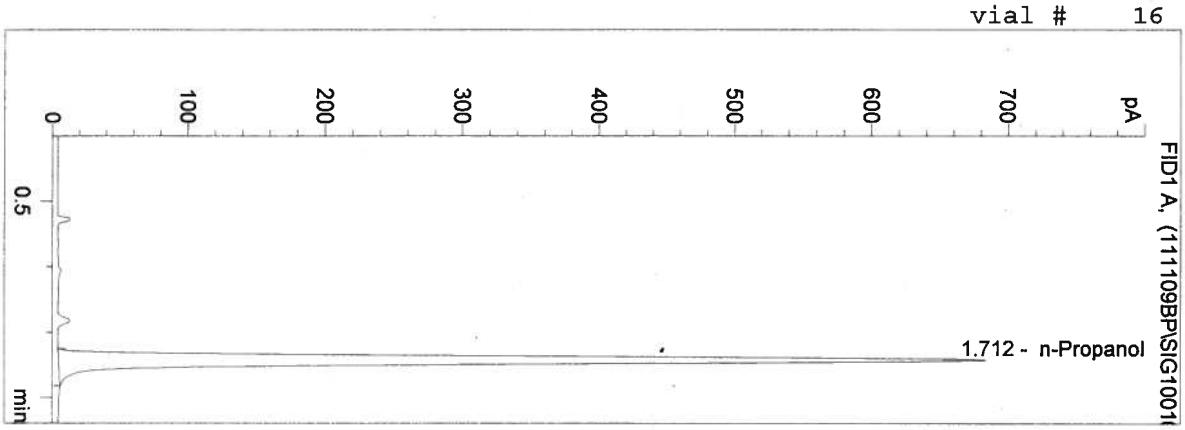
11052 BP

WASHINGTON STATE TOXICOLOGY LABORATORY

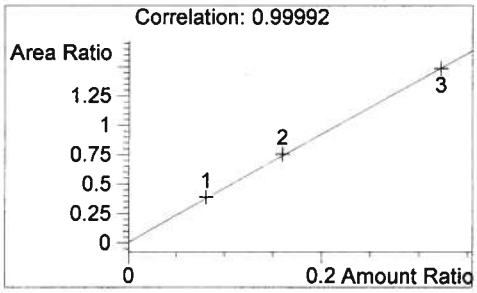
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 1:38:24 PM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

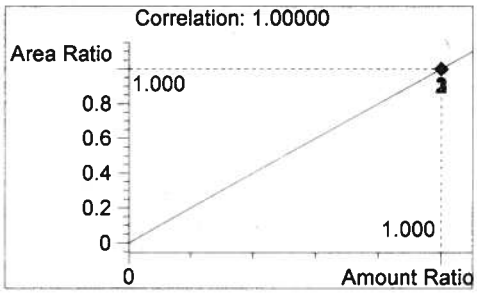
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2759	1.712
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11052 BP

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\1\DATA\
Data Subdirectory:	111109CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0911-01 - Exp. 12/05/11
Ethanol Calibrator 2, E0911-02 - Exp. 12/05/11
Ethanol Calibrator 3, E0911-03 - Exp. 12/05/11

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	Ethanol Calibrator 1, E0911-01 - Exp. 12/05/11
3	Vial 3	Ethanol Calibrator 2, E0911-02 - Exp. 12/05/11
4	Vial 4	Ethanol Calibrator 3, E0911-03 - Exp. 12/05/11
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	

11052

cJ

Sequence: C:\HPCHEM\1\SEQUENCE\CJEXTST1.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	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CJ	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CJ	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CJ	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		
10	Vial 10	ESS 11052 #1	SIMALC1	1	Sample		
11	Vial 11	ESS 11052 #2	SIMALC1	1	Sample		
12	Vial 12	ESS 11052 #3	SIMALC1	1	Sample		
13	Vial 13	ESS 11052 #4	SIMALC1	1	Sample		
14	Vial 14	ESS 11052 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-CJ	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

11052

CJ

Calibration Table

Calib. Data Modified : Wednesday, November 09, 2011 8:40:47 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
1.045	1	1	8.12800e-2	943.05341	8.61881e-5	1		Ethanol
		2	1.60090e-1	1873.25488	8.54609e-5			
		3	3.22750e-1	3689.02271	8.74893e-5			
1.710	1	1	1.00000	2503.69287	3.99410e-4	I1		n-Propanol
		2	1.00000	2520.06030	3.96816e-4			
		3	1.00000	2514.85986	3.97636e-4			

Peak Sum Table

No Entries in table

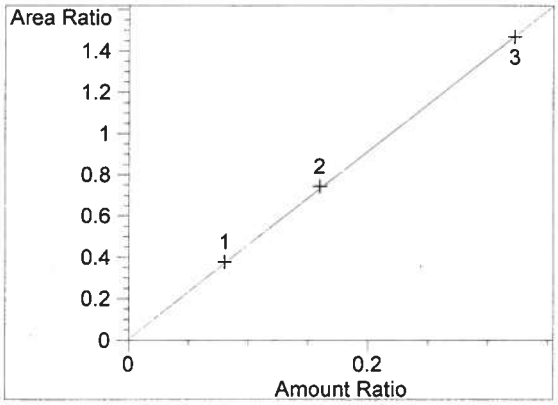
CJ

11052

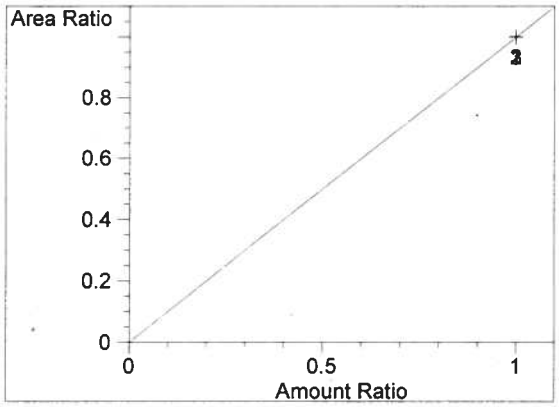
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99993
Residual Std. Dev.: 0.00916
Formula: y = mx + b
m: 4.54263
b: 6.07626e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
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

==========

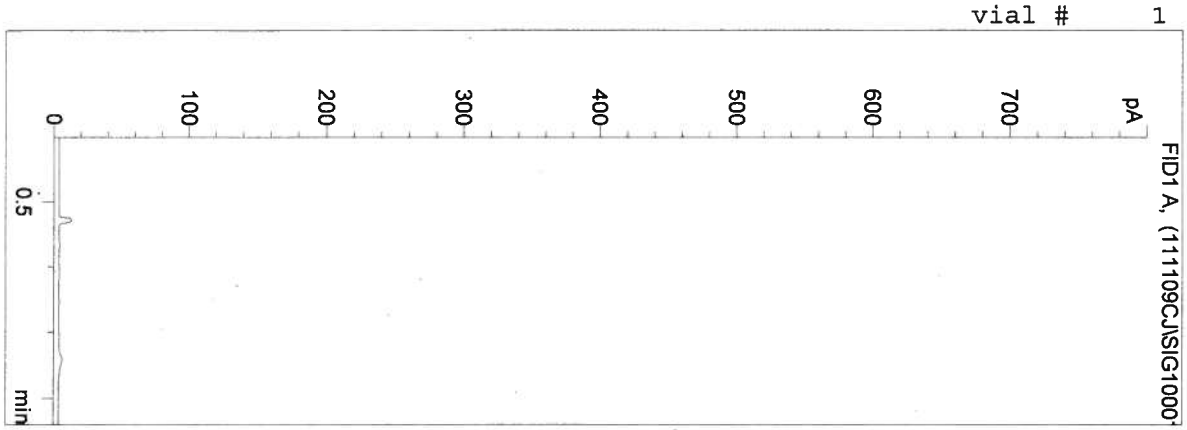
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

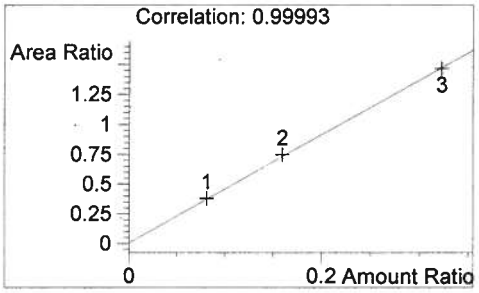
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 8:29:20 AM
Instrument 1
DB-ALC1

BLANK-CJ
Chris Johnston

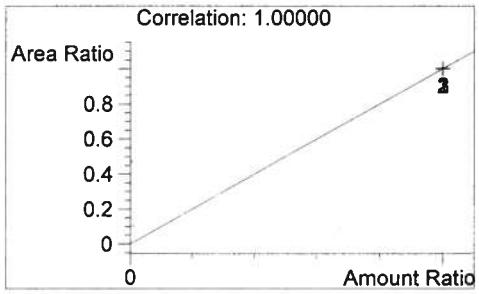
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

CJ

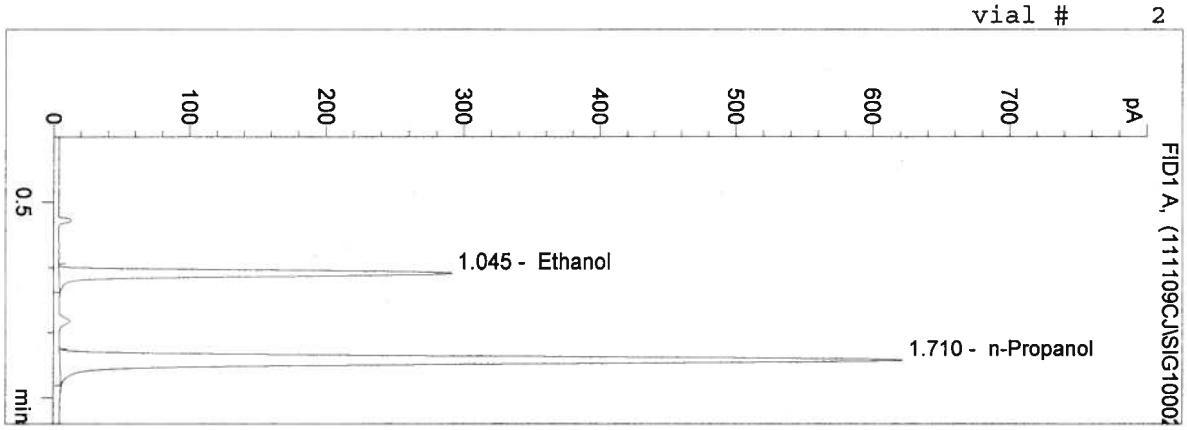
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

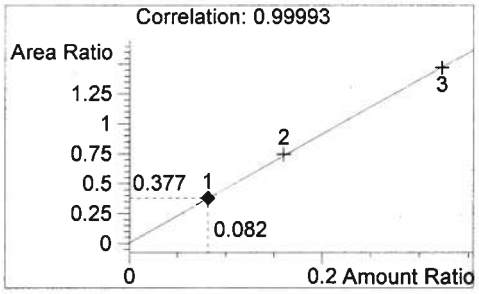
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 8:32:25 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Chris Johnston

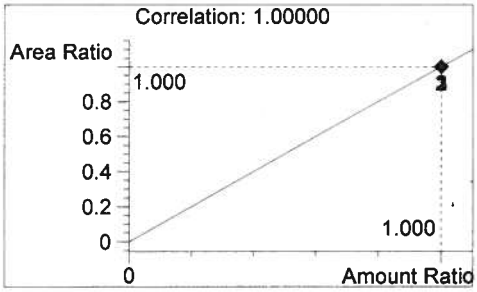
vial # 2



#	Compound	Area	RT
1	Ethanol	943	1.045
2	n-Propanol	2504	1.710
Tot			



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

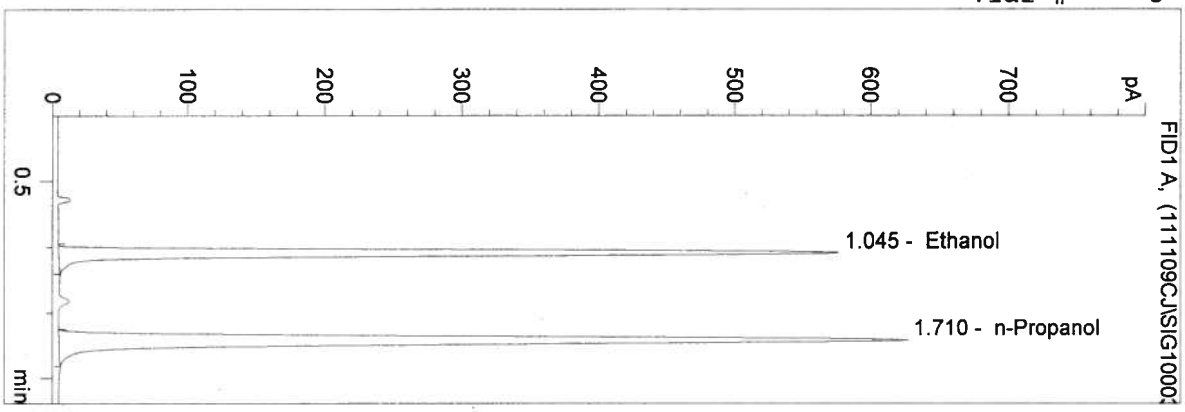
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

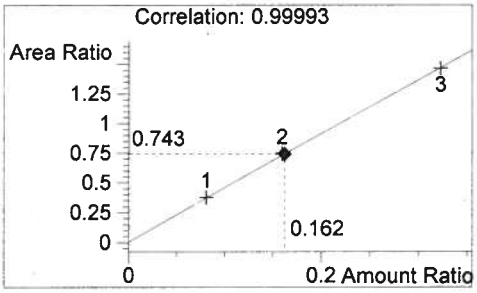
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 8:35:30 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Chris Johnston

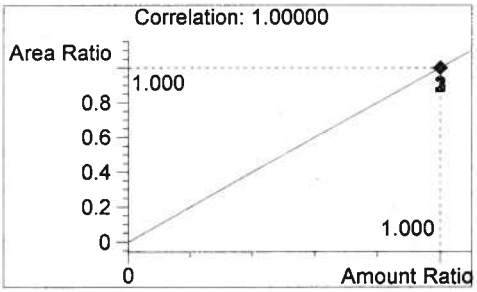
vial # 3



#	Compound	Area	RT
1	Ethanol	1873	1.045
2	n-Propanol	2520	1.710
Tot			



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

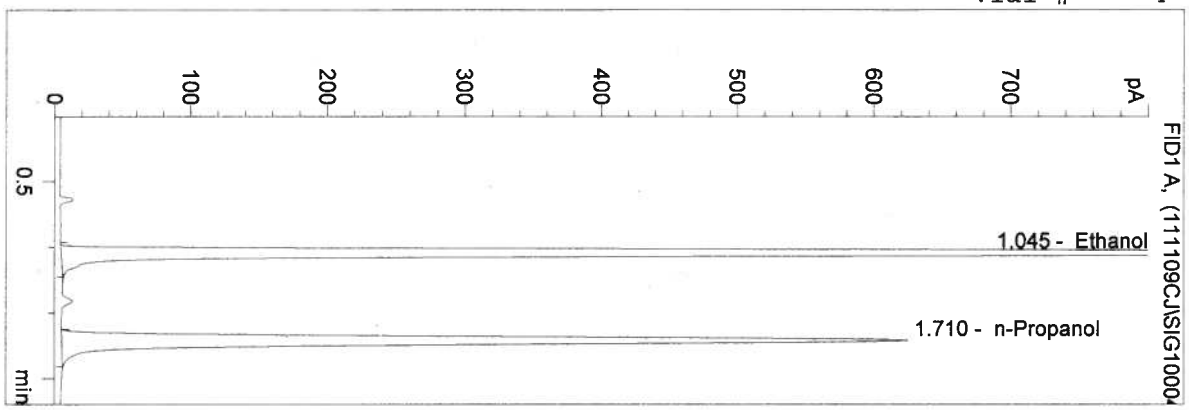
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

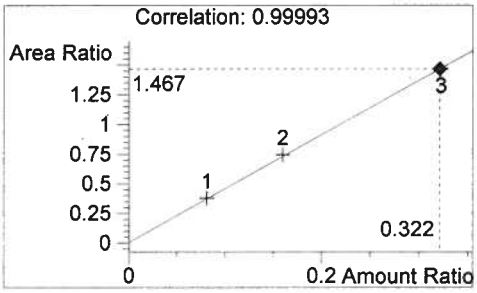
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 8:38:34 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Chris Johnston

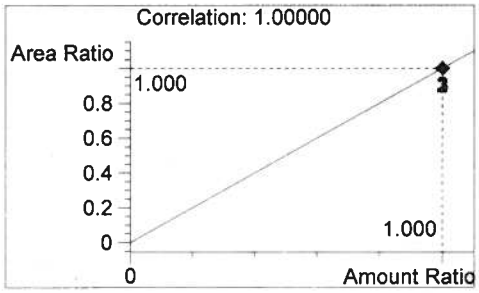
vial # 4



#	Compound	Area	RT
1	Ethanol	3689	1.045
2	n-Propanol	2515	1.710
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

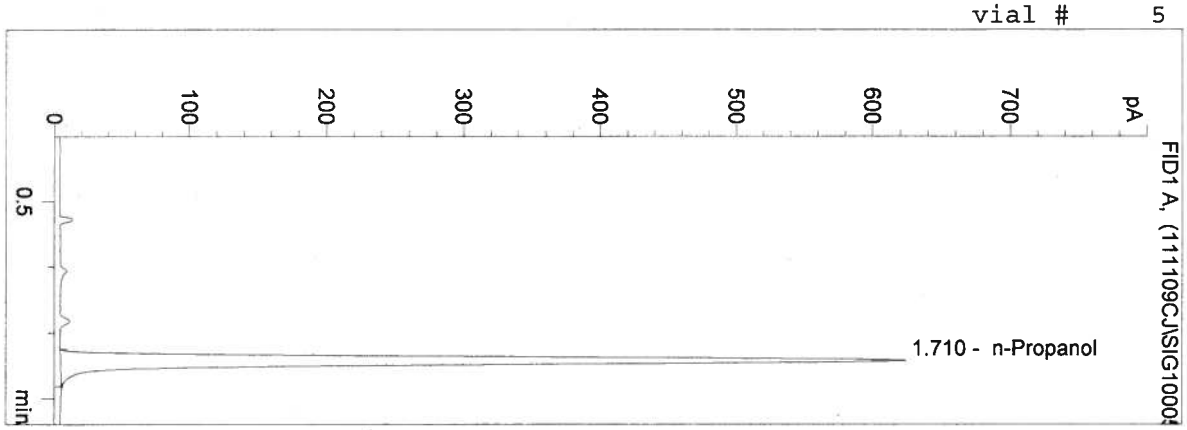
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

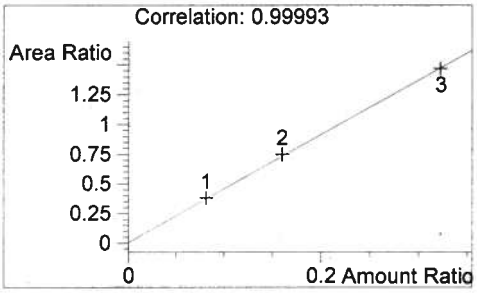
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 8:41:39 AM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

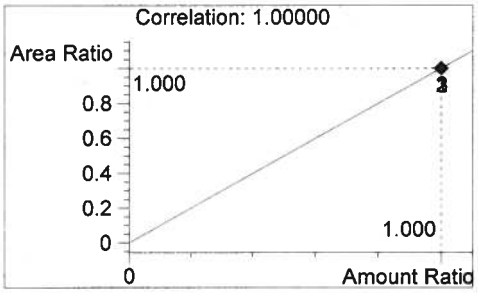
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2511	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

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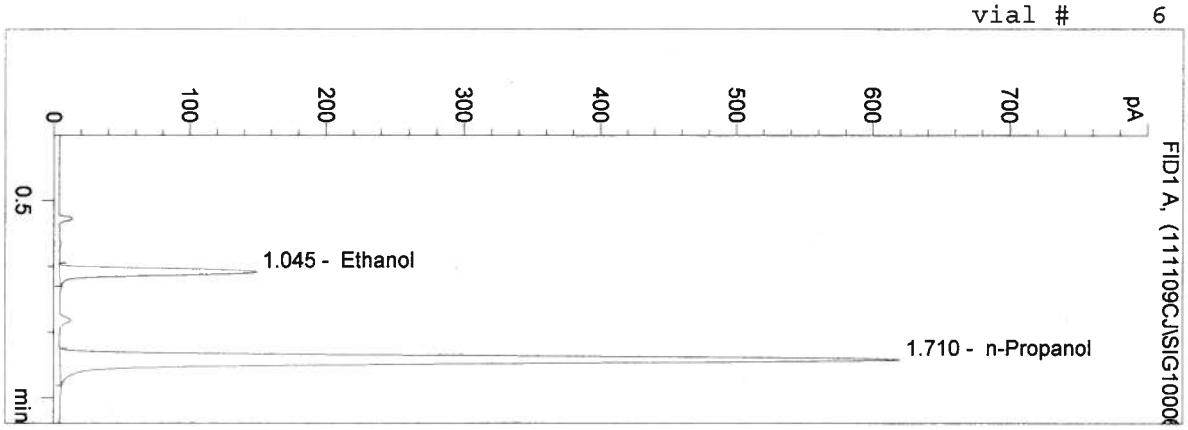
WASHINGTON STATE TOXICOLOGY LABORATORY

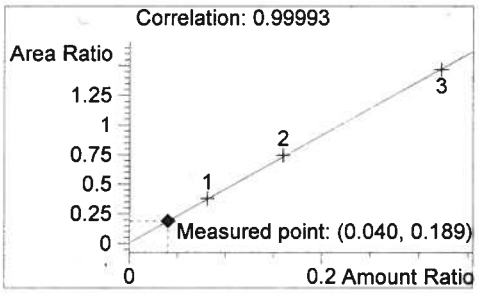
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 8:44:44 AM
Instrument 1
DB-ALC1

0.04 CTRL-CJ
Chris Johnston

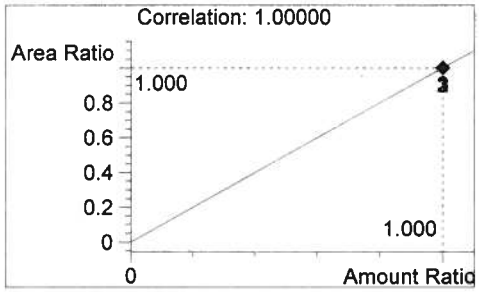
vial # 6



#	Compound	Area	RT
1	Ethanol	473	1.045
2	n-Propanol	2500	1.710
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

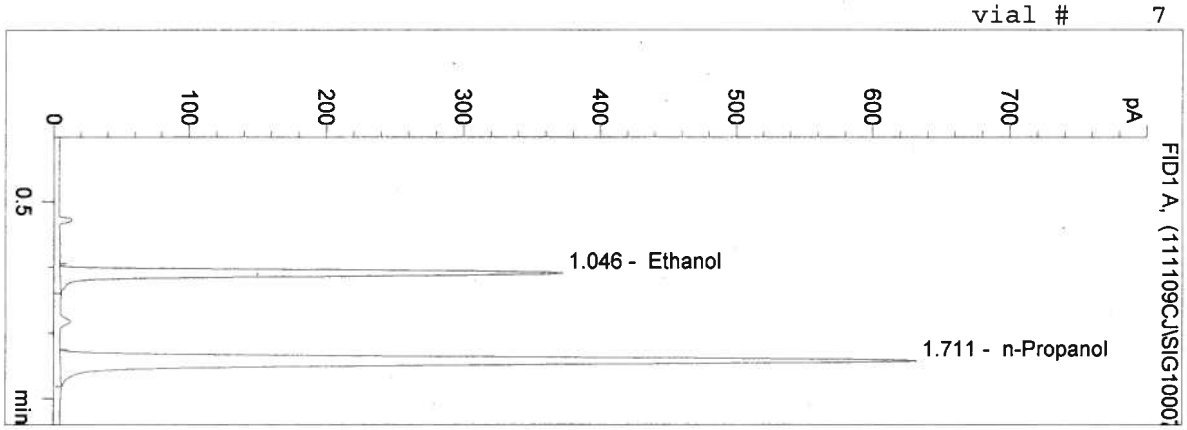
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

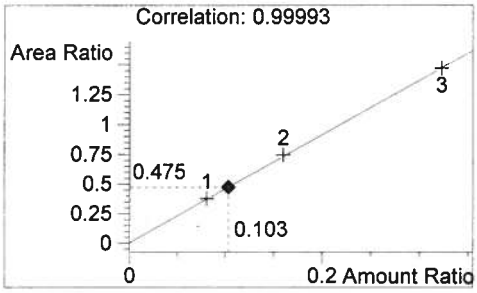
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 8:47:48 AM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

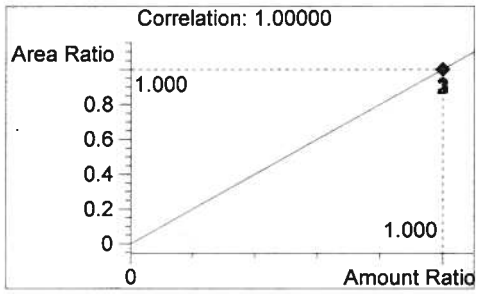
vial # 7



#	Compound	Area	RT
1	Ethanol	1211	1.046
2	n-Propanol	2548	1.711
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

11052

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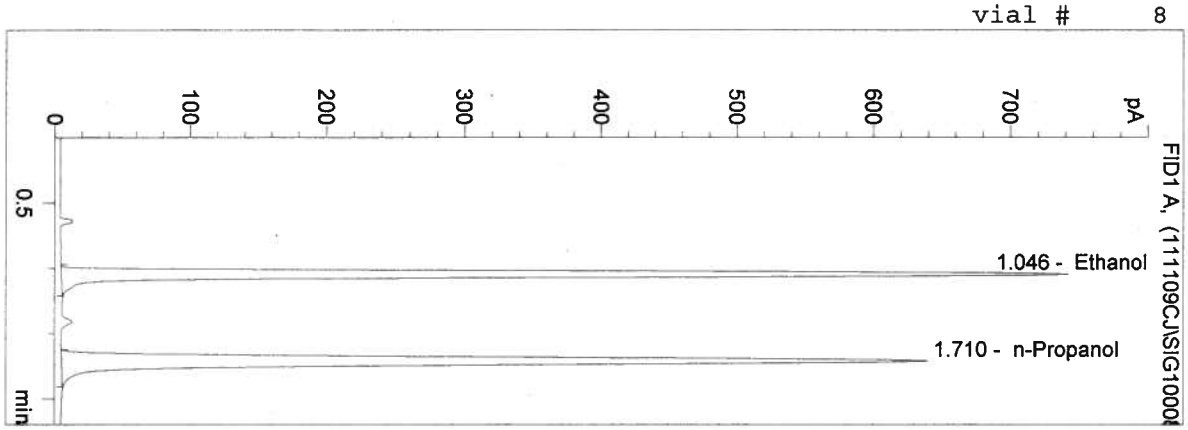
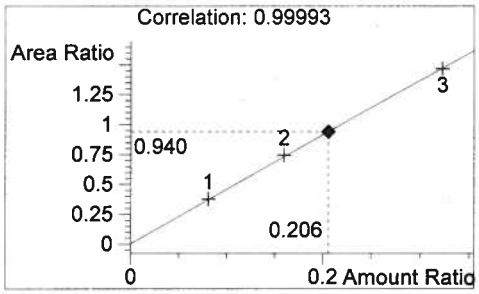
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 8:50:53 AM
Instrument 1
DB-ALC1

0.20 CTRL-CJ
Chris Johnston

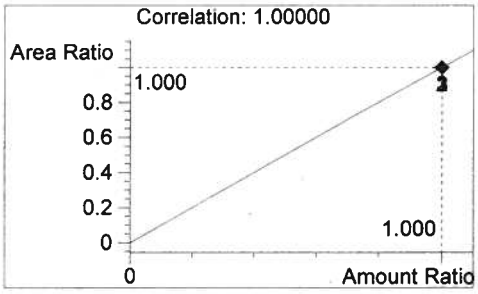
vial # 8



#	Compound	Area	RT
1	Ethanol	2417	1.046
2	n-Propanol	2571	1.710
Tot			



Ethanol 0.206 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

11052

WASHINGTON STATE TOXICOLOGY LABORATORY

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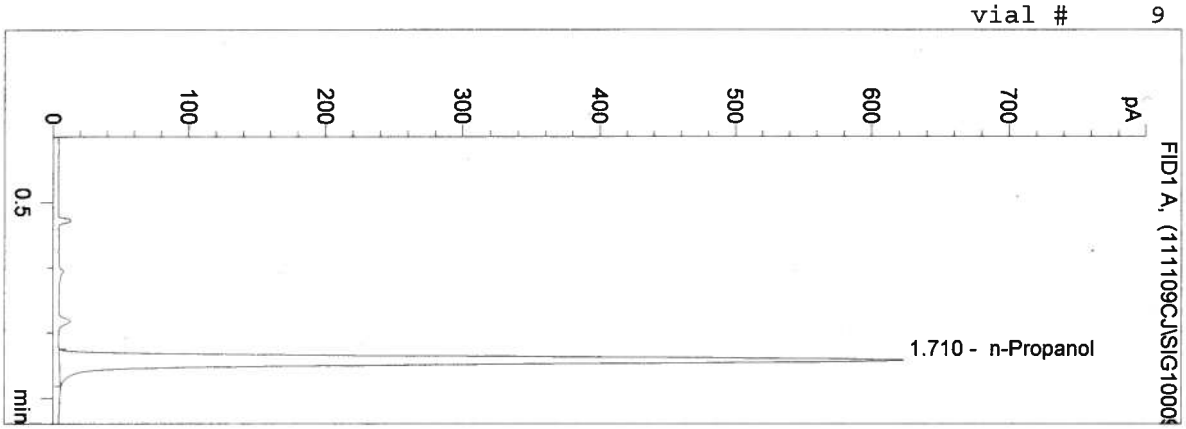
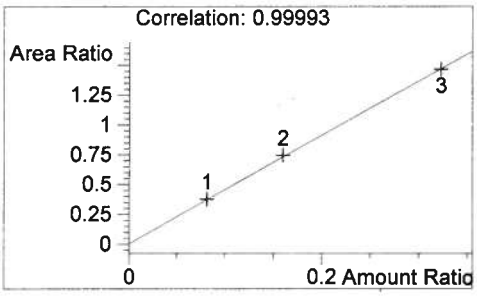
11/9/2011 8:53:58 AM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

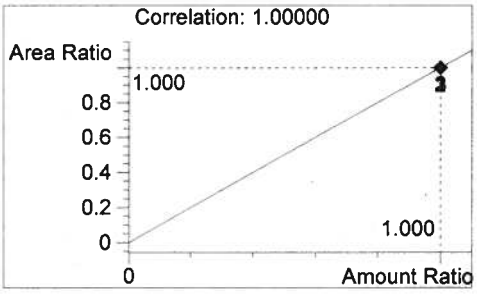
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2507	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

11052

WASHINGTON STATE TOXICOLOGY LABORATORY

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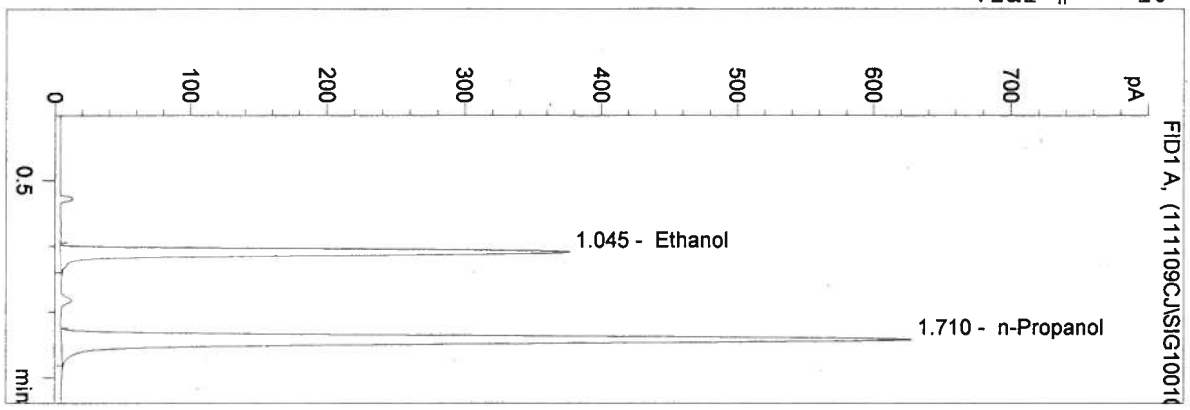
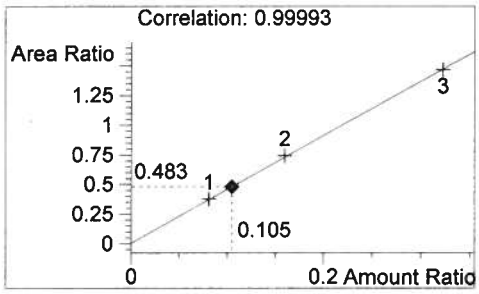
11/9/2011 8:57:02 AM
Instrument 1
DB-ALC1

ESS 11052 #1
Chris Johnston

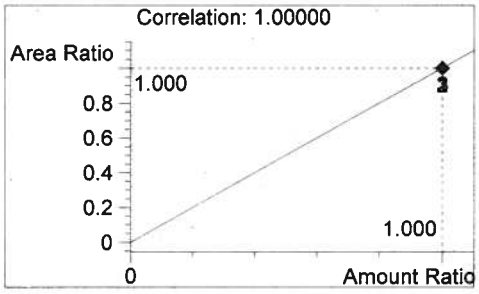
vial # 10



#	Compound	Area	RT
1	Ethanol	1223	1.045
2	n-Propanol	2534	1.710
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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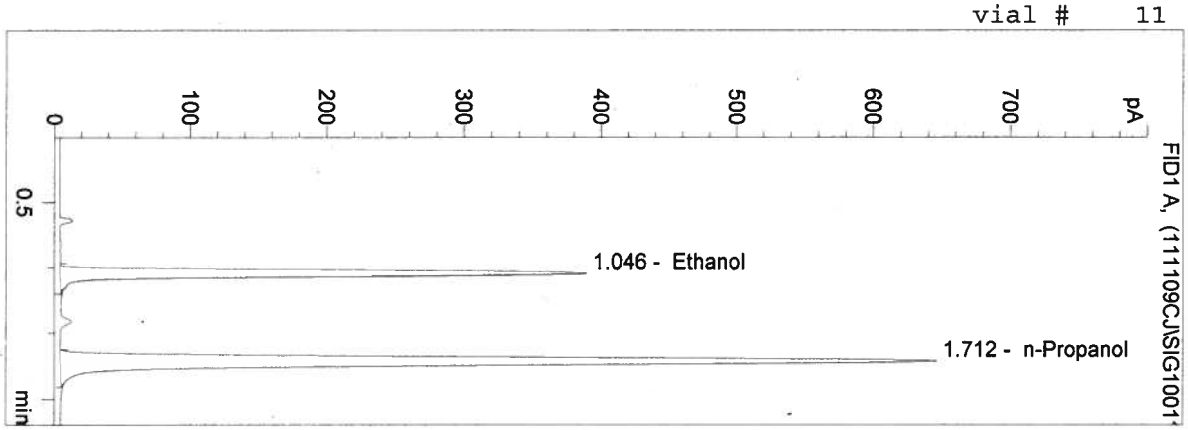
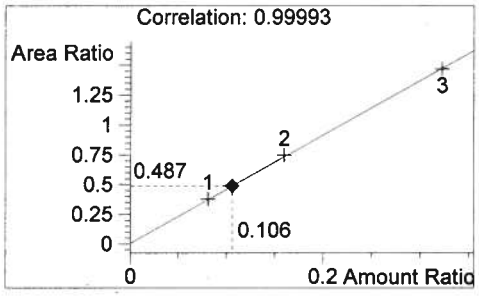
11/9/2011 9:00:07 AM
Instrument 1
DB-ALC1

ESS 11052 #2
Chris Johnston

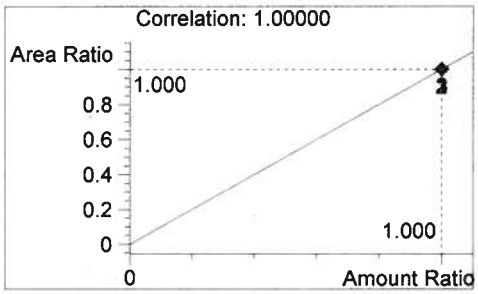
vial # 11



#	Compound	Area	RT
1	Ethanol	1269	1.046
2	n-Propanol	2608	1.712
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

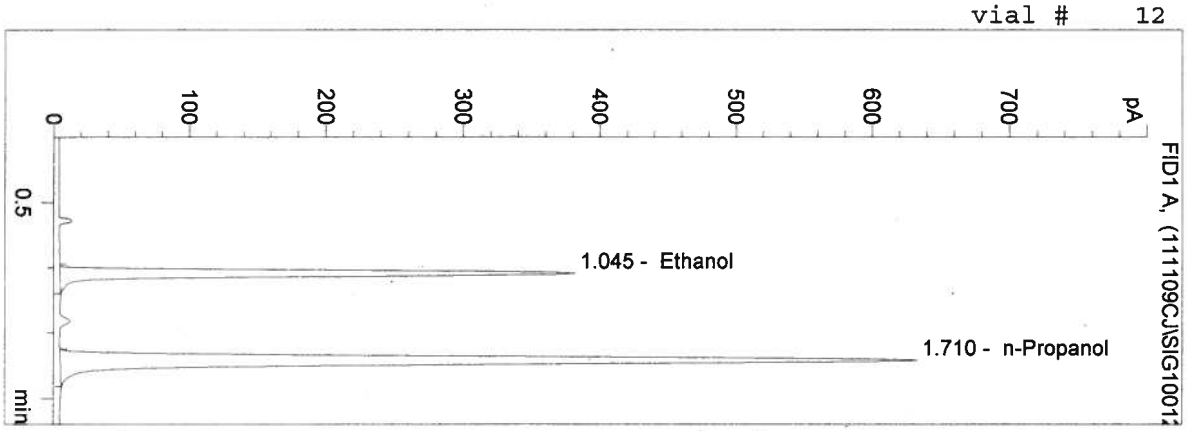
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

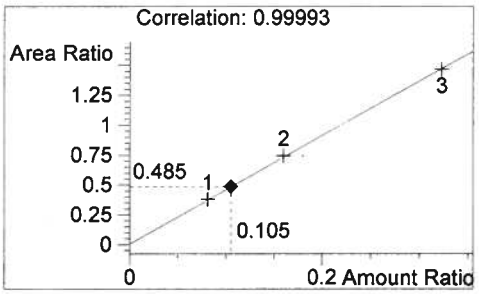
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 9:03:12 AM
Instrument 1
DB-ALC1

ESS 11052 #3
Chris Johnston

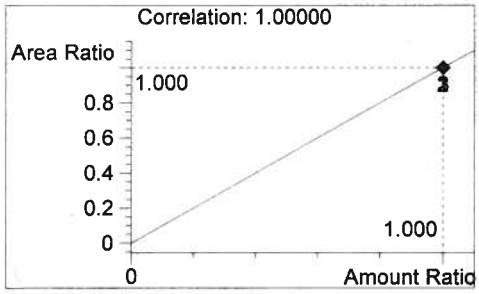
vial # 12



#	Compound	Area	RT
1	Ethanol	1234	1.045
2	n-Propanol	2545	1.710
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

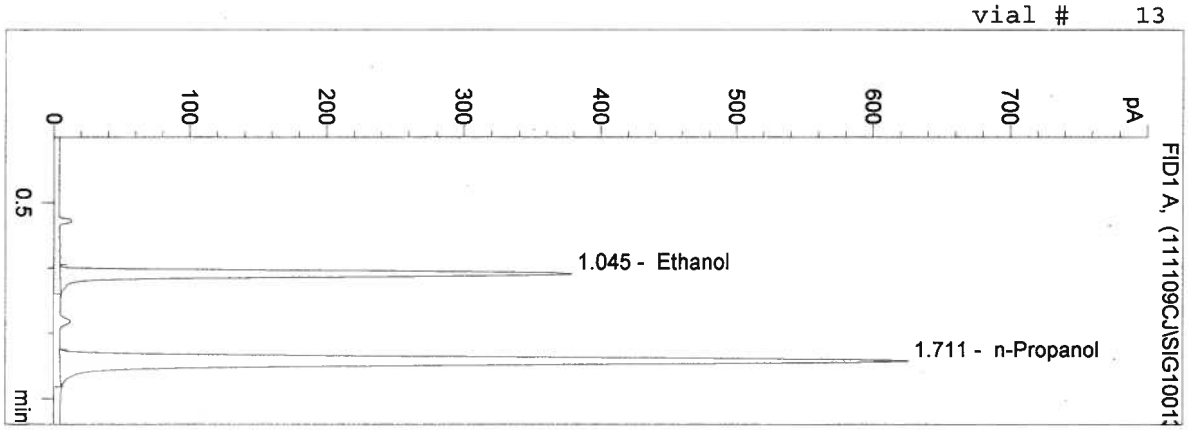
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

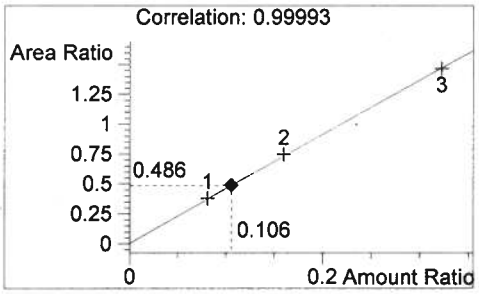
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 9:06:17 AM
Instrument 1
DB-ALC1

ESS 11052 #4
Chris Johnston

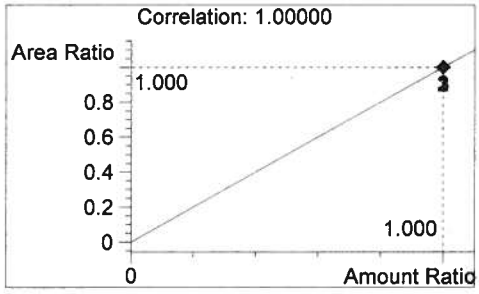
vial # 13



#	Compound	Area	RT
1	Ethanol	1226	1.045
2	n-Propanol	2519	1.711
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

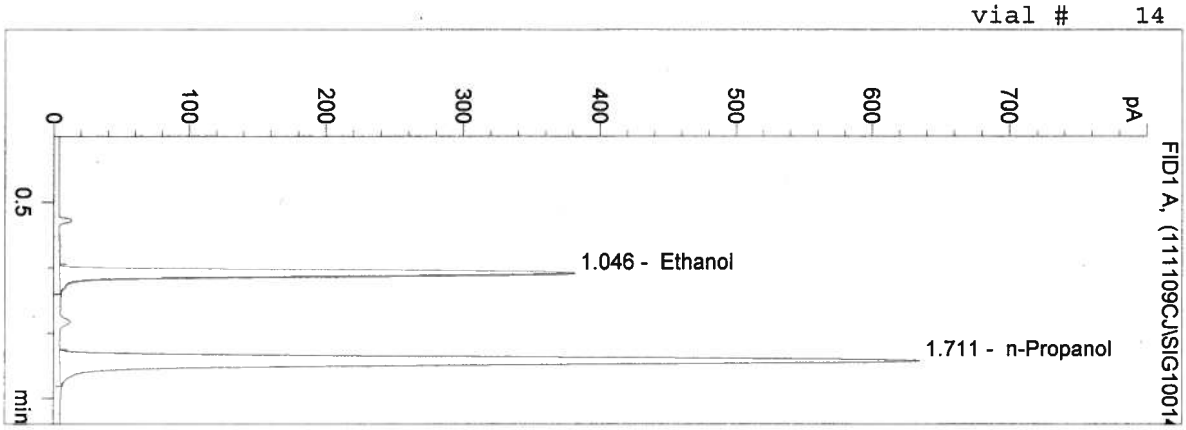
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

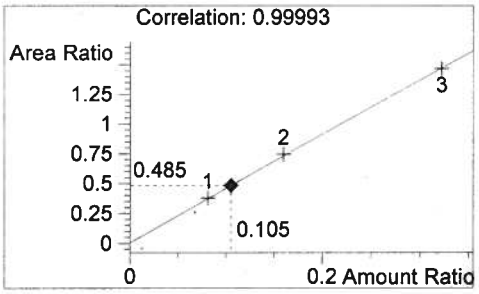
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 9:09:22 AM
Instrument 1
DB-ALC1

ESS 11052 #5
Chris Johnston

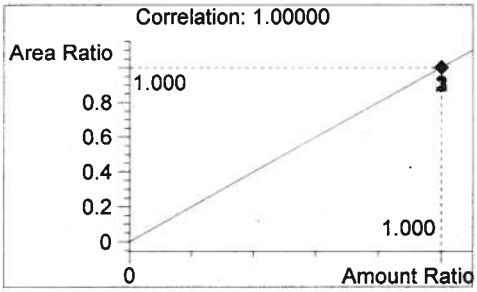
vial # 14



#	Compound	Area	RT
1	Ethanol	1240	1.046
2	n-Propanol	2558	1.711
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

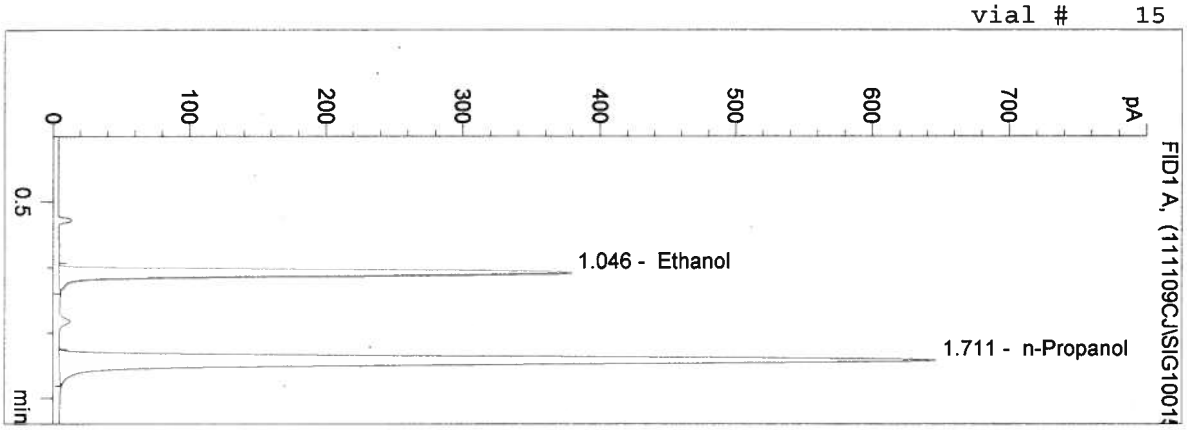
a

WASHINGTON STATE TOXICOLOGY LABORATORY

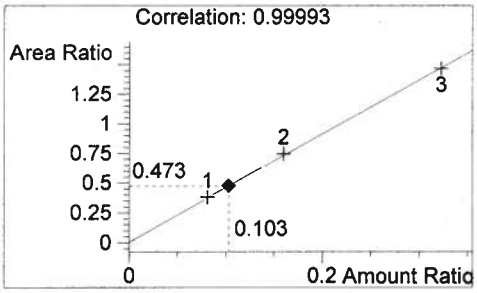
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 9:12:26 AM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

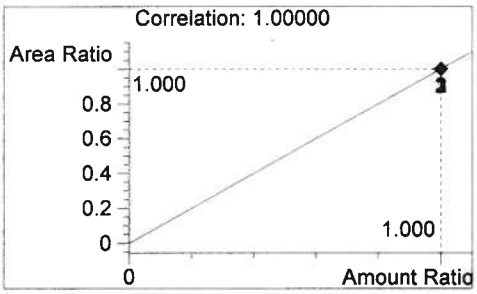
vial # 15



#	Compound	Area	RT
1	Ethanol	1237	1.046
2	n-Propanol	2614	1.711
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

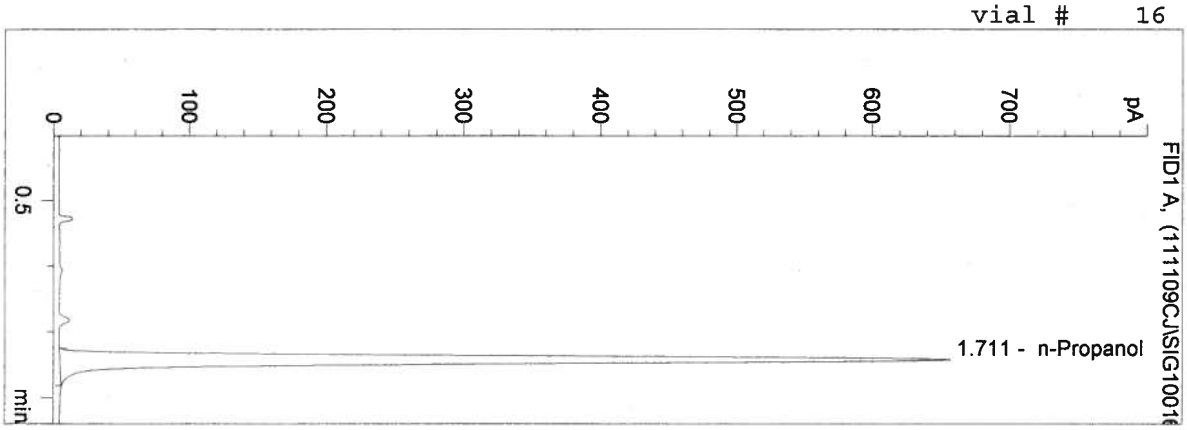
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

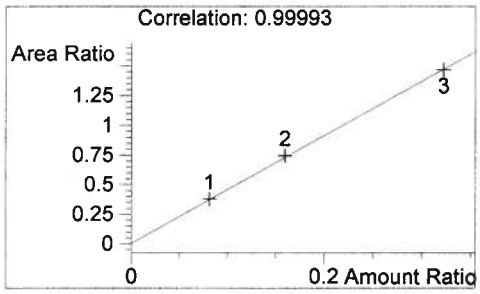
C:\HPCHEM\1\METHODS\SIMALC1.M
11/9/2011 9:15:31 AM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

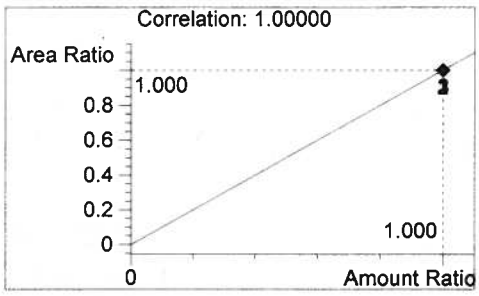
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2654	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

ω

11052

Sequence Parameters:

Operator:	Sarah Swenson
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	111110SS
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	0.079 Calibrator - Lot # E0911-01 - exp 12/05/11
3	Vial 3	0.158 Calibrator - Lot # E0911-02 - exp 12/05/11
4	Vial 4	0.316 Calibrator - Lot # E0911-03 - exp 12/05/11
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	

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SHS

Sequence: C:\HPCHEM\1\SEQUENCE\SSEXTSTD.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-SS	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-SS	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-SS	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-SS	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-SS	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-SS	SIMALC1	1	Ctrl Samp		
10	Vial 10	11052 #1	SIMALC1	1	Sample		
11	Vial 11	11052 #2	SIMALC1	1	Sample		
12	Vial 12	11052 #3	SIMALC1	1	Sample		
13	Vial 13	11052 #4	SIMALC1	1	Sample		
14	Vial 14	11052 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-SS	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-SS	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

11052

SMS

Calibration Table

Calib. Data Modified : Thursday, November 10, 2011 9:09:11 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
1.045	1	1	8.12800e-2	1073.23206	7.57339e-5	1		Ethanol
		2	1.60090e-1	2134.45801	7.50026e-5			
		3	3.22750e-1	4037.43237	7.99394e-5			
1.711	1	1	1.00000	3318.28516	3.01360e-4	I1		n-Propanol
		2	1.00000	3380.79712	2.95788e-4			
		3	1.00000	3234.92578	3.09126e-4			

Peak Sum Table

No Entries in table

11052

SMS

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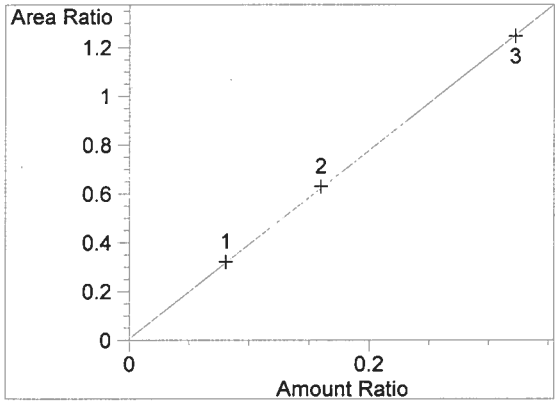
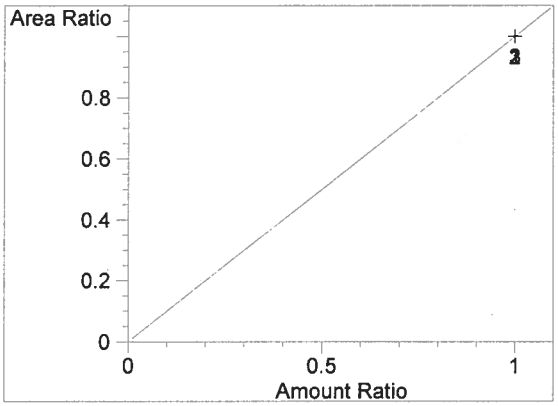
Calibration Curves

==========



Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99993
Residual Std. Dev.: 0.00767
Formula: y = mx + b
m: 3.86154
b: 6.12083e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.711
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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11052

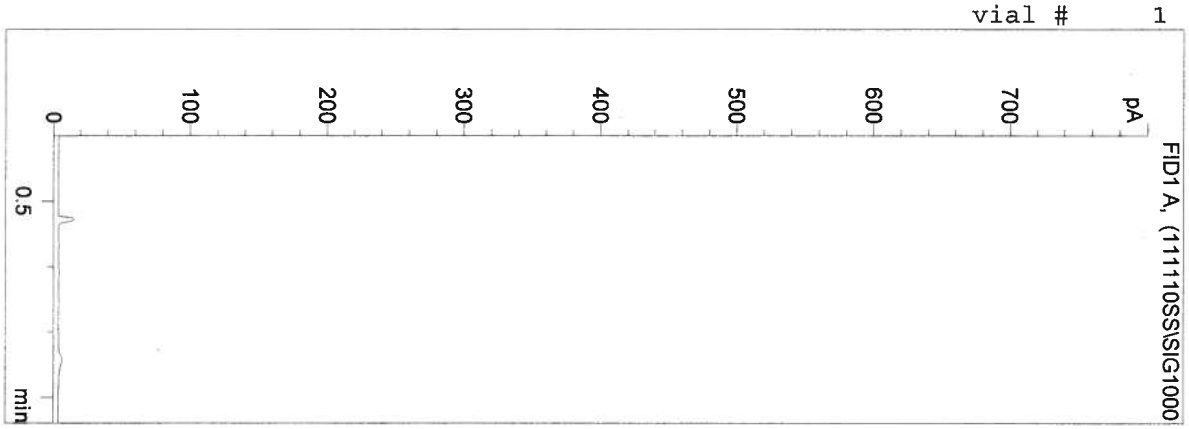
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

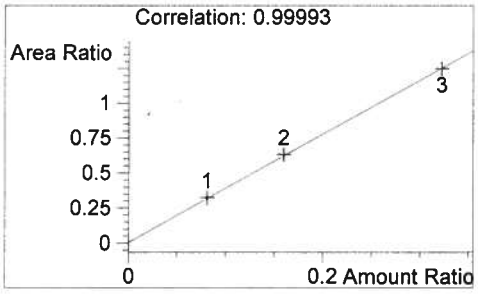
C:\HPCHEM\1\METHODS\SIMALC1.M
11/10/2011 8:57:44 AM
Instrument 1
DB-ALC1

BLANK-SS
Sarah Swenson

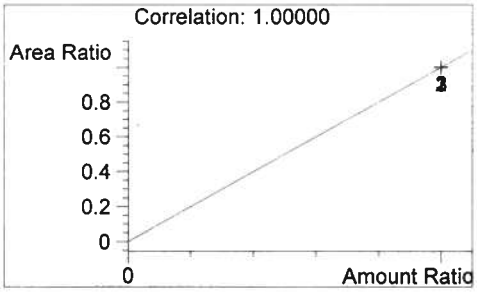
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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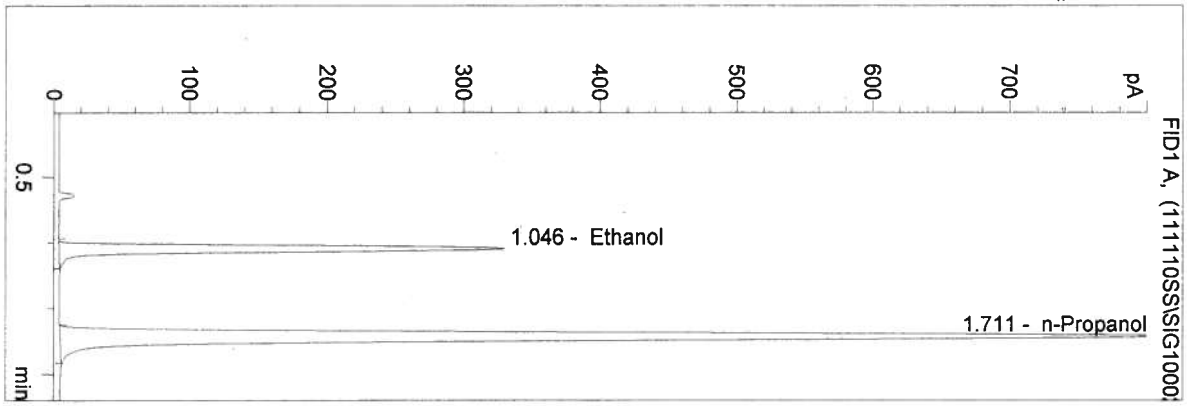
WASHINGTON STATE TOXICOLOGY LABORATORY

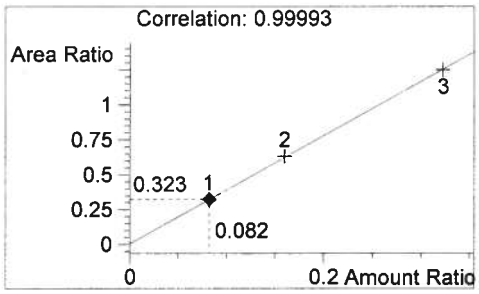
C:\HPCHEM\1\METHODS\SIMALC1.M
11/10/2011 9:00:48 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Sarah Swenson

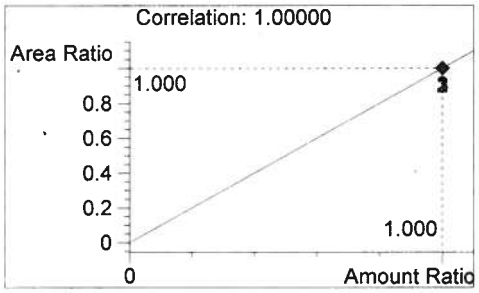
vial # 2



#	Compound	Area	RT
1	Ethanol	1073	1.046
2	n-Propanol	3318	1.711
Tot			



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

11052

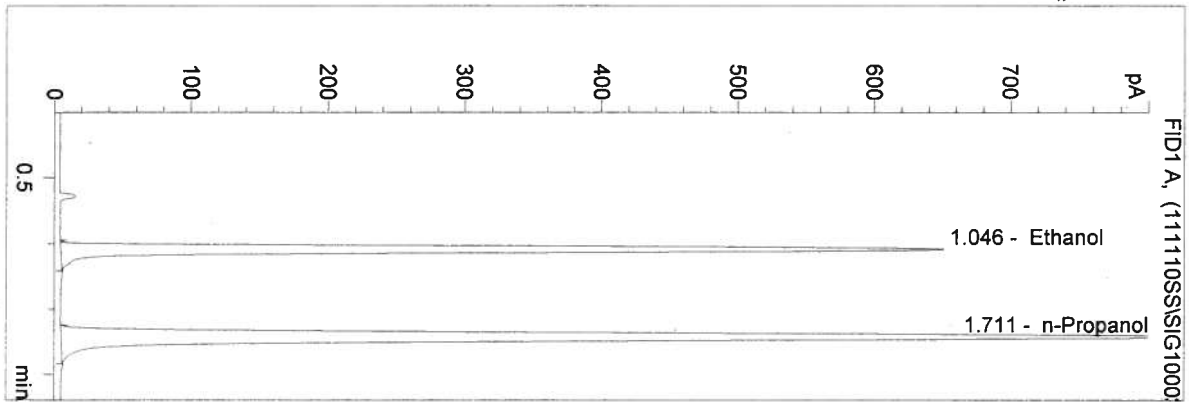
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

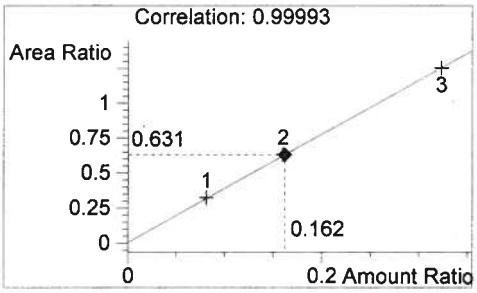
C:\HPCHEM\1\METHODS\SIMALC1.M
11/10/2011 9:03:53 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Sarah Swenson

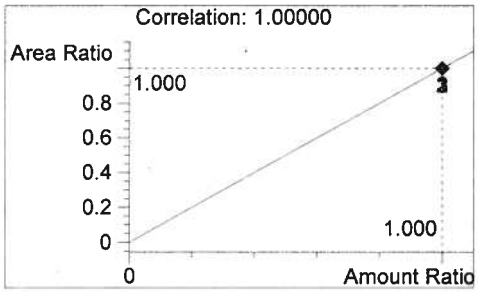
vial # 3



#	Compound	Area	RT
1	Ethanol	2134	1.046
2	n-Propanol	3381	1.711
Tot			



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

11052

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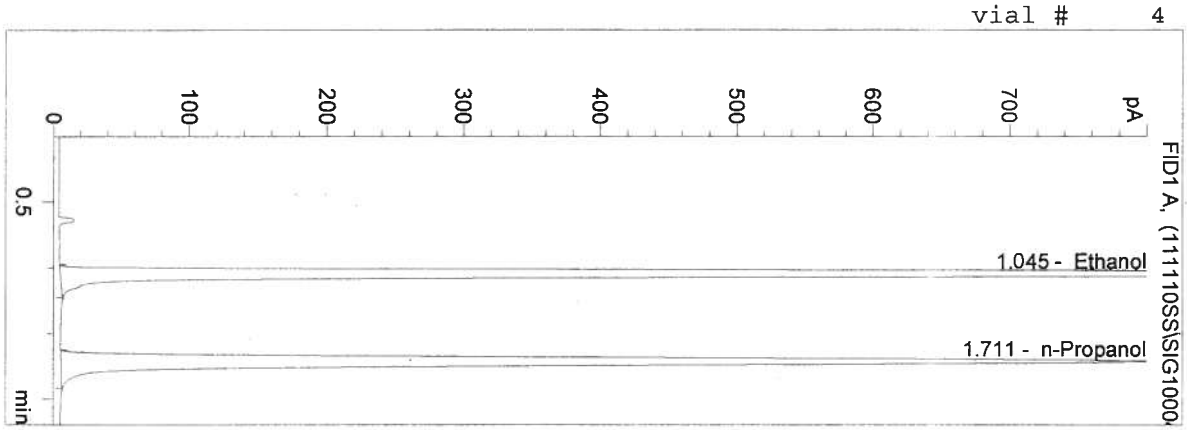
WASHINGTON STATE TOXICOLOGY LABORATORY

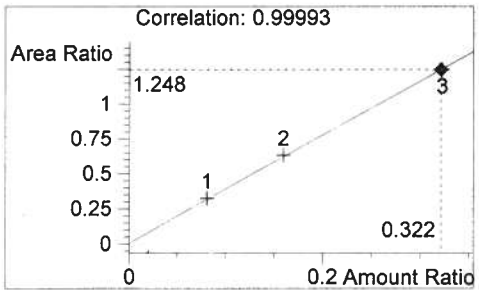
C:\HPCHEM\1\METHODS\SIMALC1.M
11/10/2011 9:06:58 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Sarah Swenson

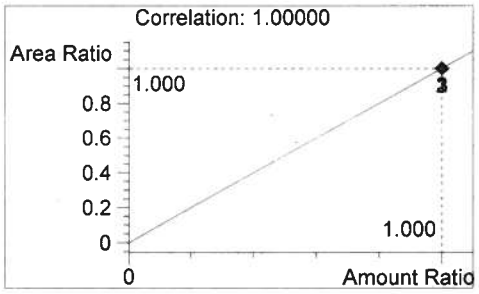
vial # 4



#	Compound	Area	RT
1	Ethanol	4037	1.045
2	n-Propanol	3235	1.711
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

11052

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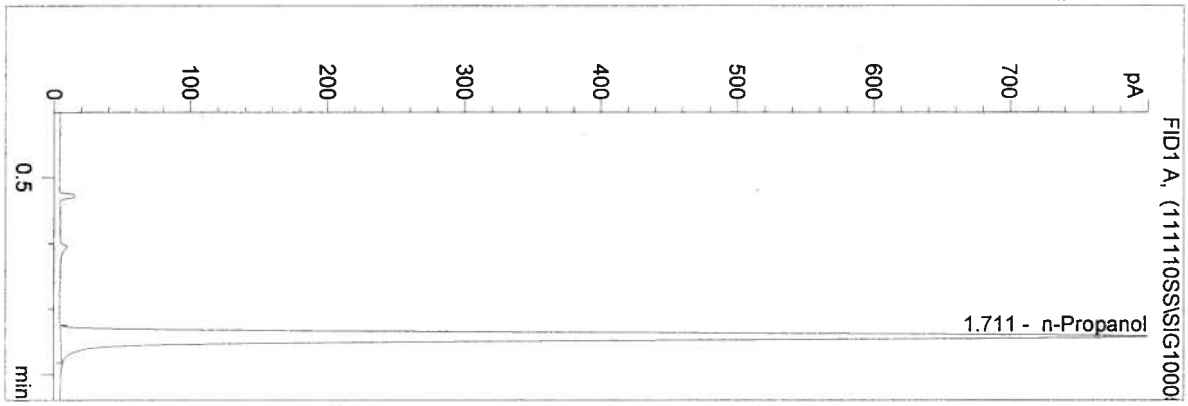
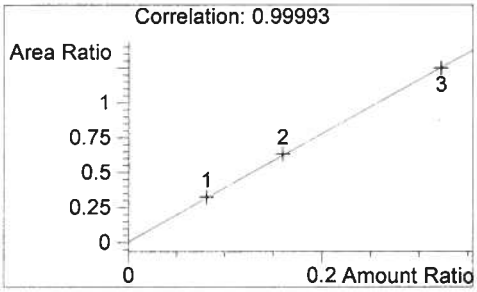
11/10/2011 9:10:03 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

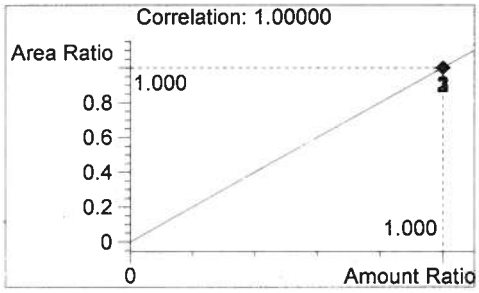
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3240	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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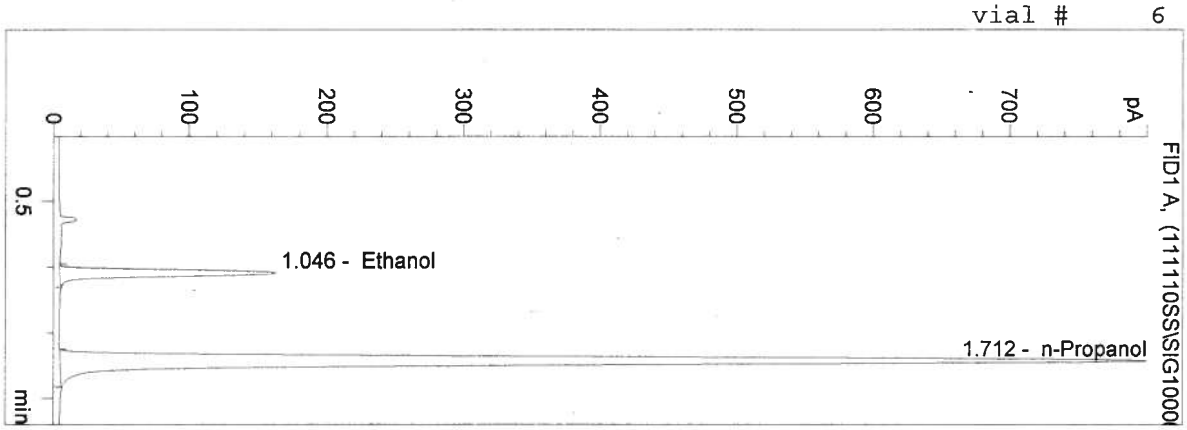
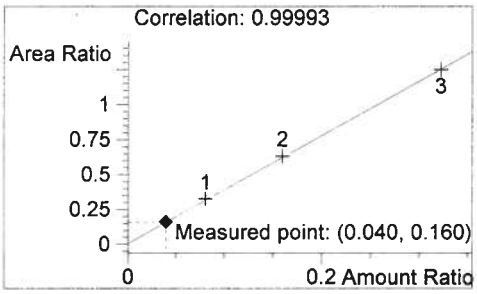
11/10/2011 9:13:07 AM
Instrument 1
DB-ALC1

0.04 CTRL-SS
Sarah Swenson

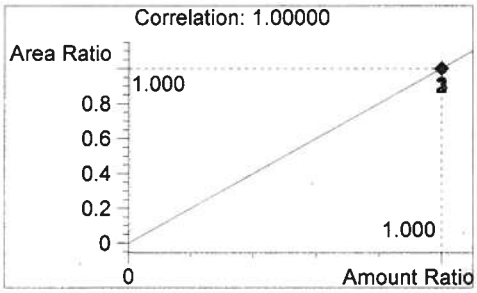
vial # 6



#	Compound	Area	RT
1	Ethanol	518	1.046
2	n-Propanol	3248	1.712
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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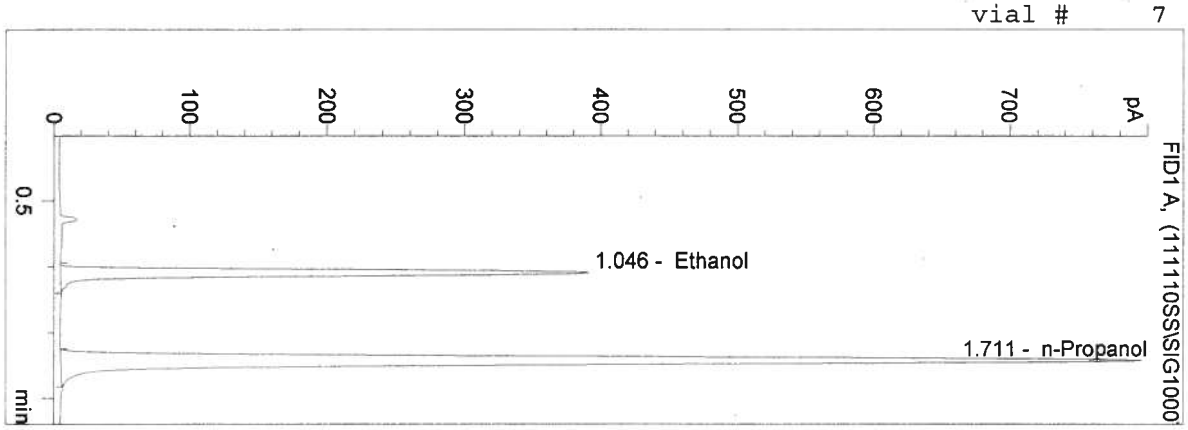
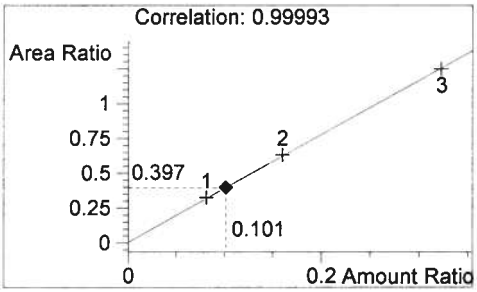
11/10/2011 9:16:12 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

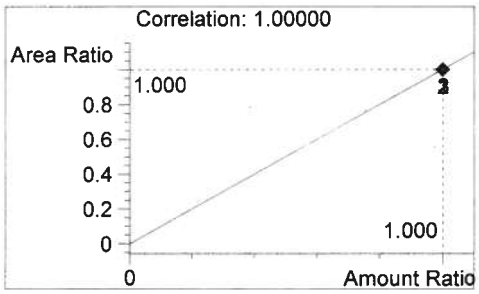
vial # 7



#	Compound	Area	RT
1	Ethanol	1275	1.046
2	n-Propanol	3212	1.711
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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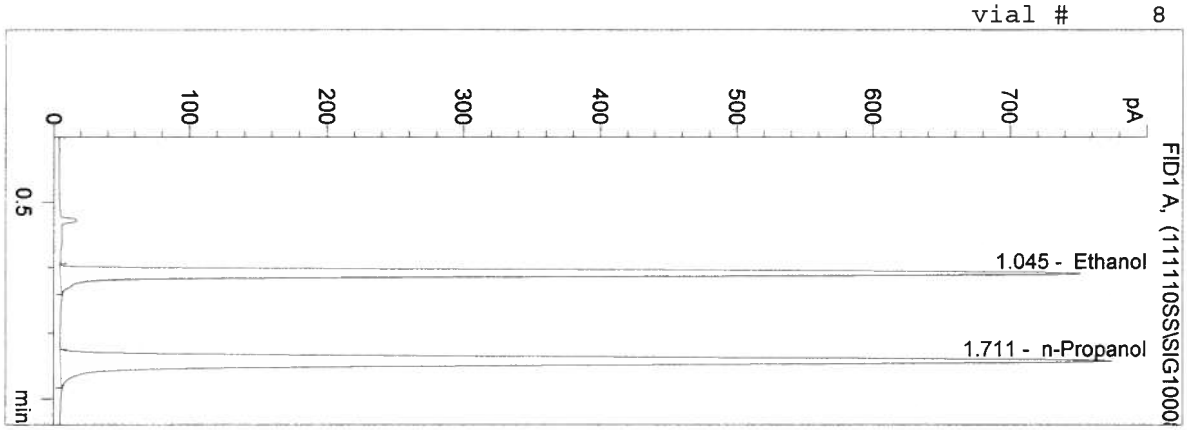
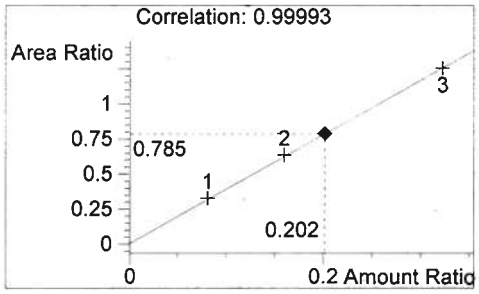
11/10/2011 9:19:17 AM
Instrument 1
DB-ALC1

0.20 CTRL-SS
Sarah Swenson

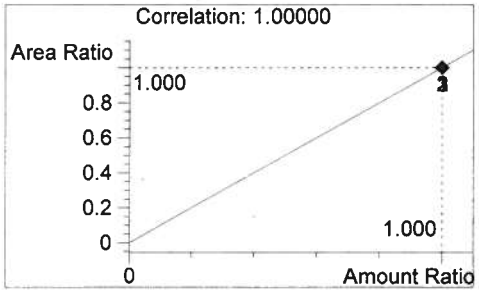
vial # 8



#	Compound	Area	RT
1	Ethanol	2448	1.045
2	n-Propanol	3120	1.711
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

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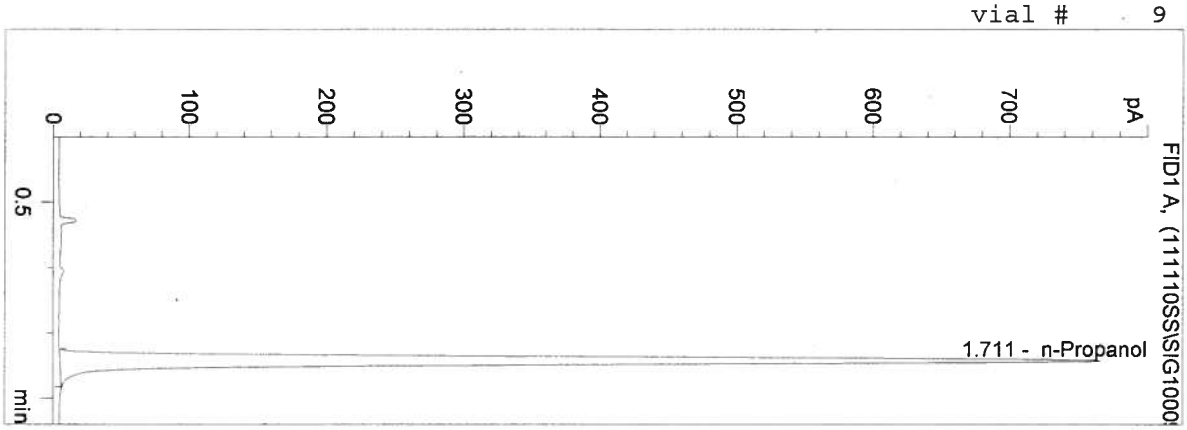
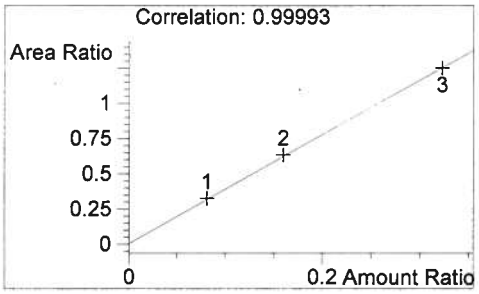
11/10/2011 9:22:22 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

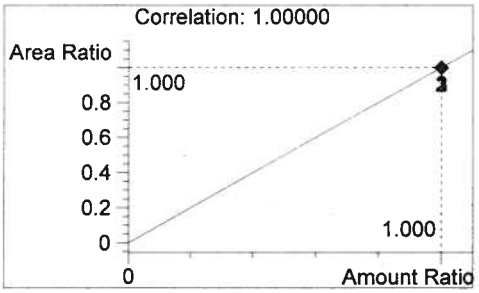
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3093	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11052

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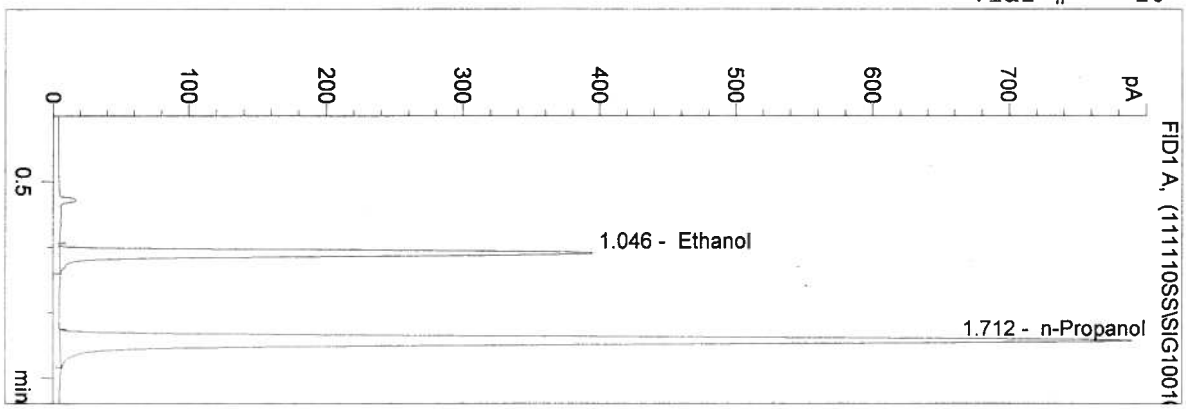
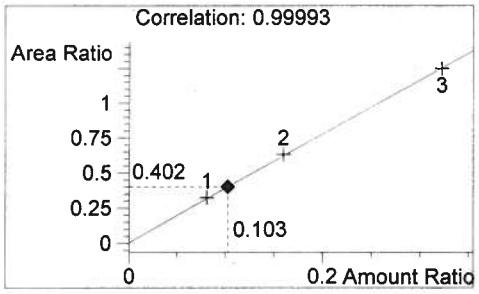
11/10/2011 9:25:26 AM
Instrument 1
DB-ALC1

11052 #1
Sarah Swenson

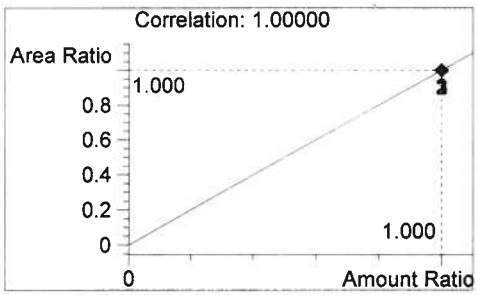
vial # 10



#	Compound	Area	RT
1	Ethanol	1281	1.046
2	n-Propanol	3187	1.712
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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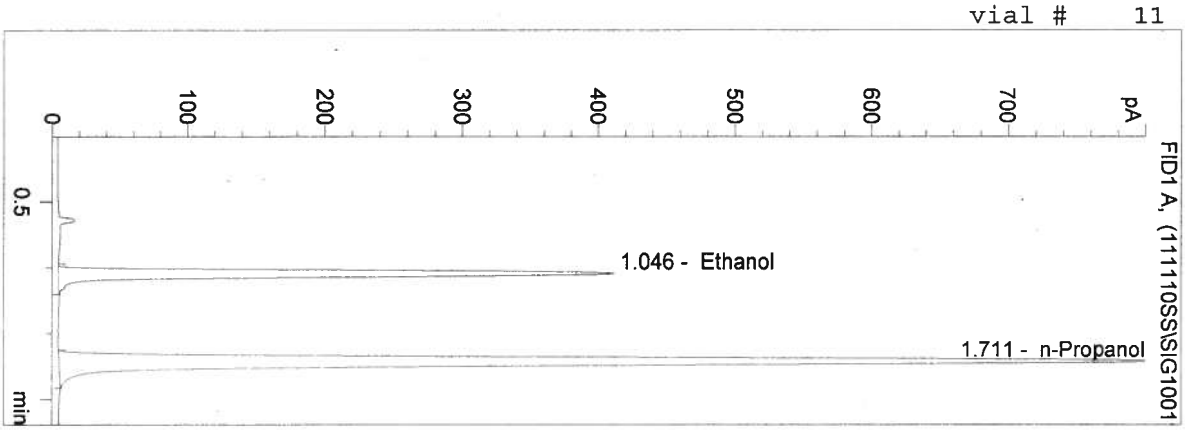
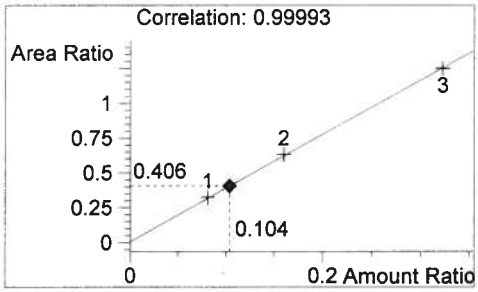
C:\HPCHEM\1\METHODS\SIMALC1.M
11/10/2011 9:28:31 AM
Instrument 1
DB-ALC1

11052 #2
Sarah Swenson

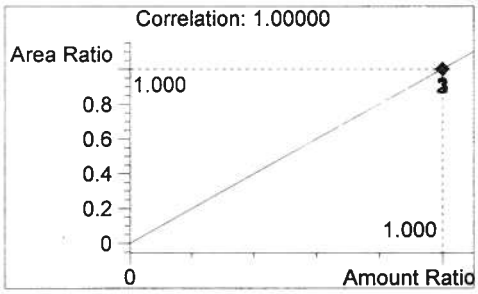
vial # 11



#	Compound	Area	RT
1	Ethanol	1345	1.046
2	n-Propanol	3313	1.711
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

SJS

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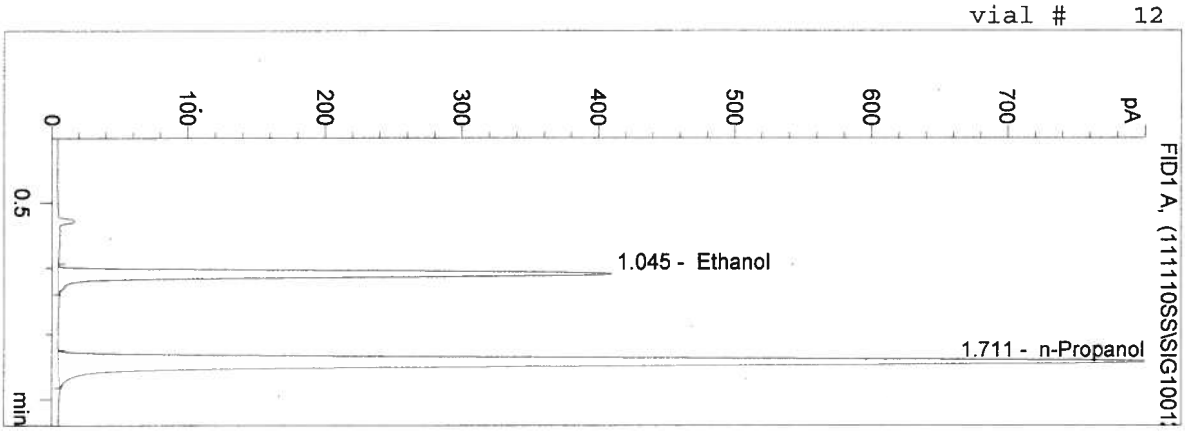
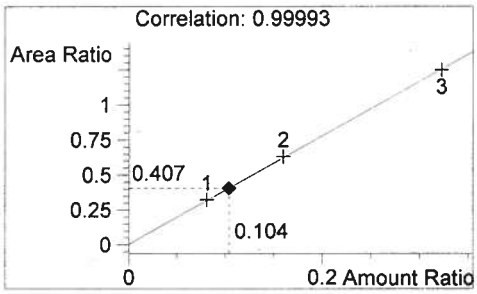
C:\HPCHEM\1\METHODS\SIMALC1.M
11/10/2011 9:31:36 AM
Instrument 1
DB-ALC1

11052 #3
Sarah Swenson

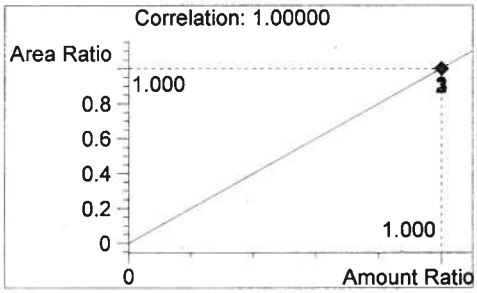
vial # 12



#	Compound	Area	RT
1	Ethanol	1335	1.045
2	n-Propanol	3280	1.711
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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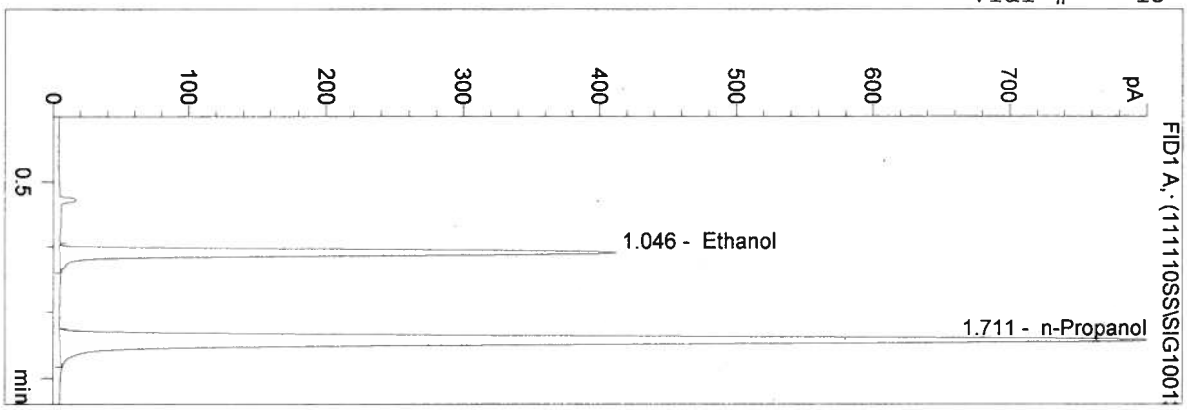
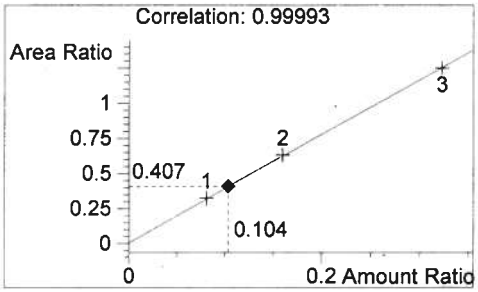
C:\HPCHEM\1\METHODS\SIMALC1.M
11/10/2011 9:34:41 AM
Instrument 1
DB-ALC1

11052 #4
Sarah Swenson

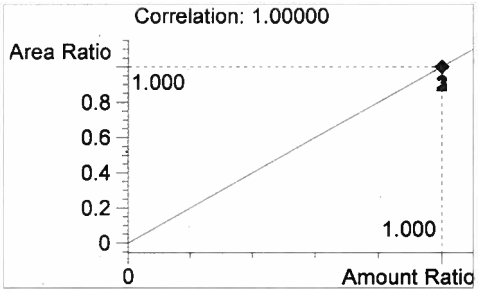
vial # 13



#	Compound	Area	RT
1	Ethanol	1340	1.046
2	n-Propanol	3296	1.711
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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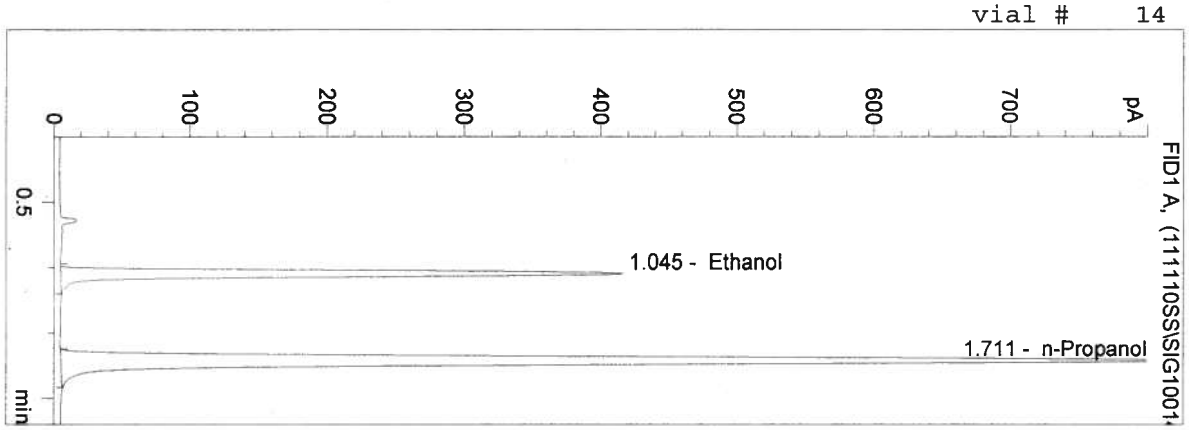
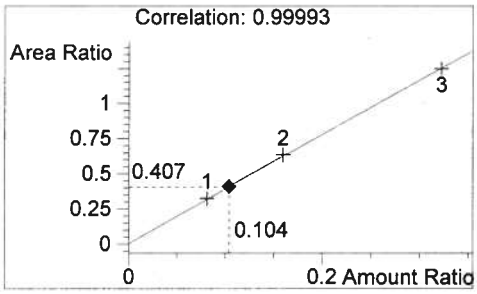
11/10/2011 9:37:45 AM
Instrument 1
DB-ALC1

11052 #5
Sarah Swenson

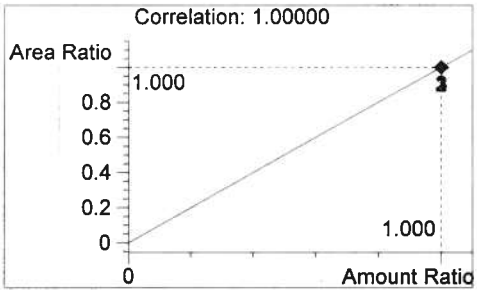
vial # 14



#	Compound	Area	RT
1	Ethanol	1357	1.045
2	n-Propanol	3332	1.711
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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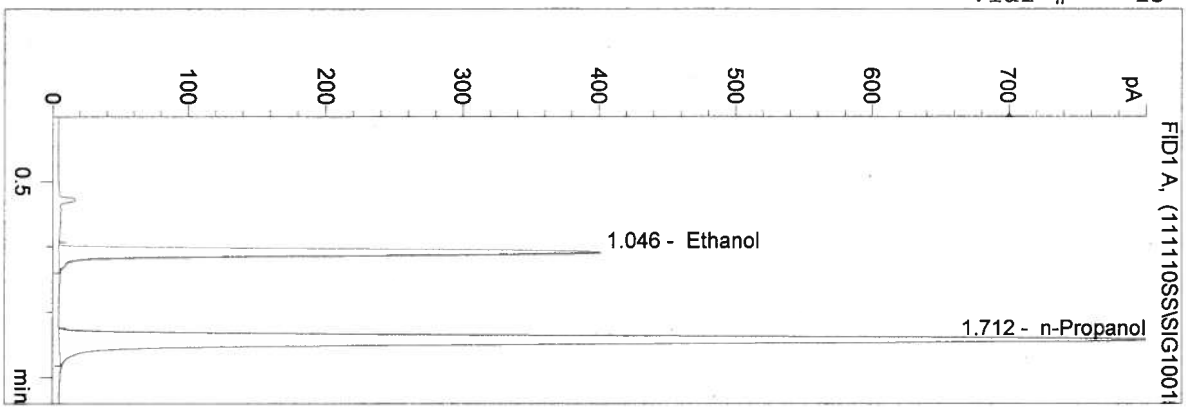
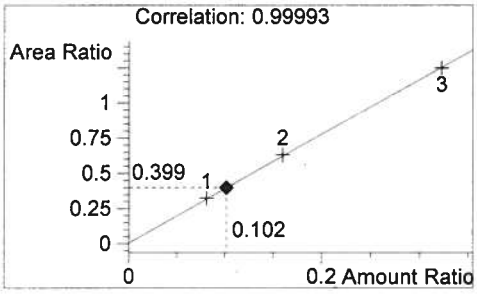
11/10/2011 9:40:50 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

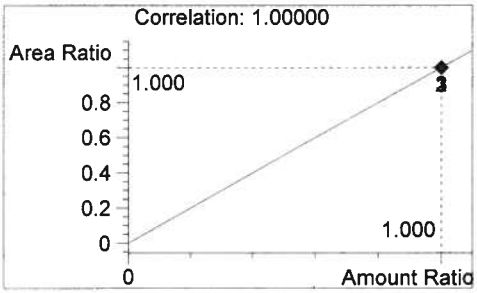
vial # 15



#	Compound	Area	RT
1	Ethanol	1313	1.046
2	n-Propanol	3292	1.712
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

11052

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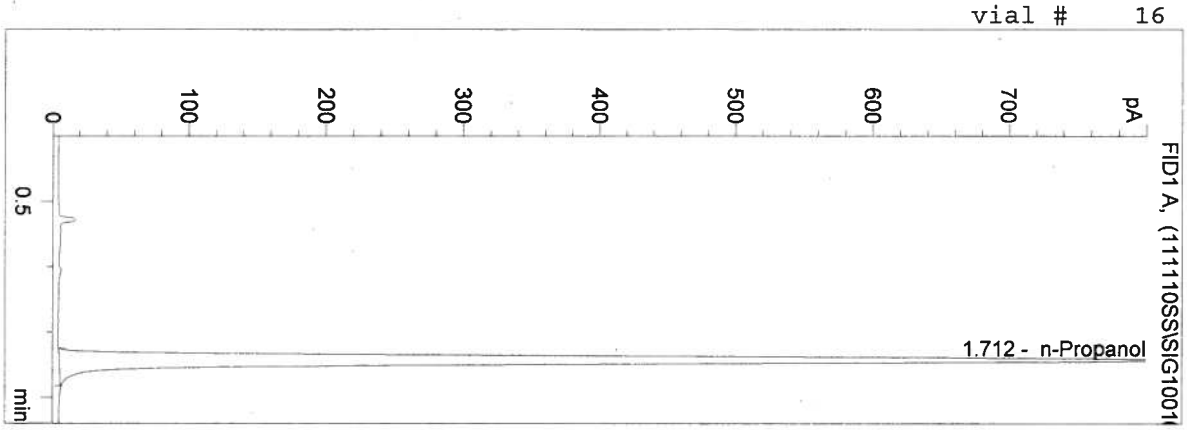
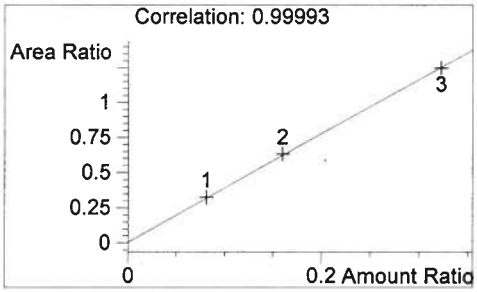
11/10/2011 9:43:55 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

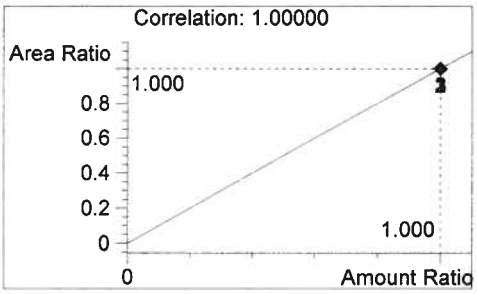
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3341	1.712
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11052

SMS

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\1\DATA\
Data Subdirectory:	111114DC
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 Exp 12/05/11
3	Vial 3	Lot# E0911-02 Exp 12/05/11
4	Vial 4	Lot# E0911-03 Exp 12/05/11
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	

11052

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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	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-DC	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-DC	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-DC	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-DC	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-DC	SIMALC1	1	Ctrl Samp		
10	Vial 10	11052 #1	SIMALC1	1	Sample		
11	Vial 11	11052 #2	SIMALC1	1	Sample		
12	Vial 12	11052 #3	SIMALC1	1	Sample		
13	Vial 13	11052 #4	SIMALC1	1	Sample		
14	Vial 14	11052 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-DC	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-DC	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

11052

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Calibration Table

Calib. Data Modified : Monday, November 14, 2011 1:02:40 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
1.044	1	1	8.12800e-2	952.88727	8.52987e-5	1		Ethanol
		2	1.60090e-1	1882.09277	8.50596e-5			
		3	3.22750e-1	3723.23877	8.66853e-5			
1.710	1	1	1.00000	2998.81470	3.33465e-4	I1		n-Propanol
		2	1.00000	3011.09741	3.32105e-4			
		3	1.00000	3021.61353	3.30949e-4			

Peak Sum Table

No Entries in table

11052

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Calibration Curves

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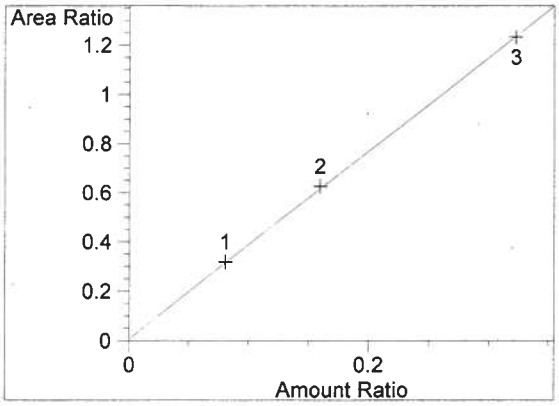
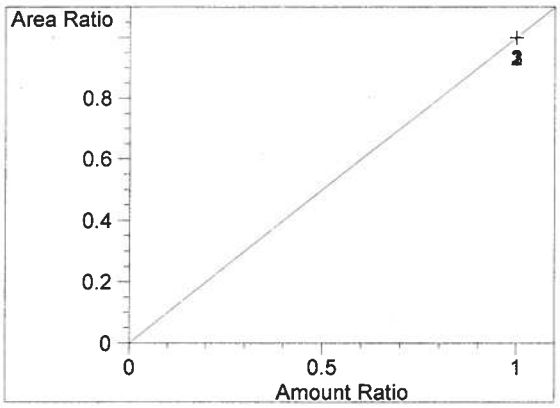


Ethanol at exp. RT: 1.044
FID1 A,
Correlation: 0.99992
Residual Std. Dev.: 0.00817
Formula: y = mx + b
m: 3.81465
b: 5.77267e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
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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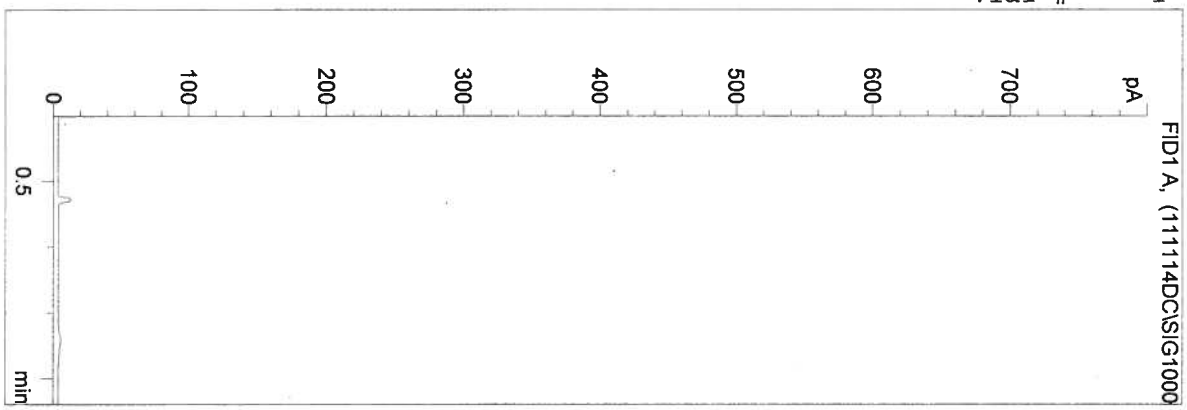
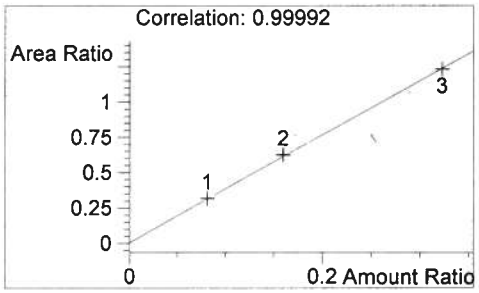
C:\HPCHEM\1\METHODS\SIMALC1.M
11/14/2011 12:51:13 PM
Instrument 1
DB-ALC1

BLANK
Dawn Cox

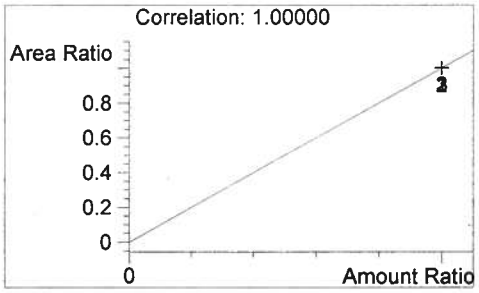
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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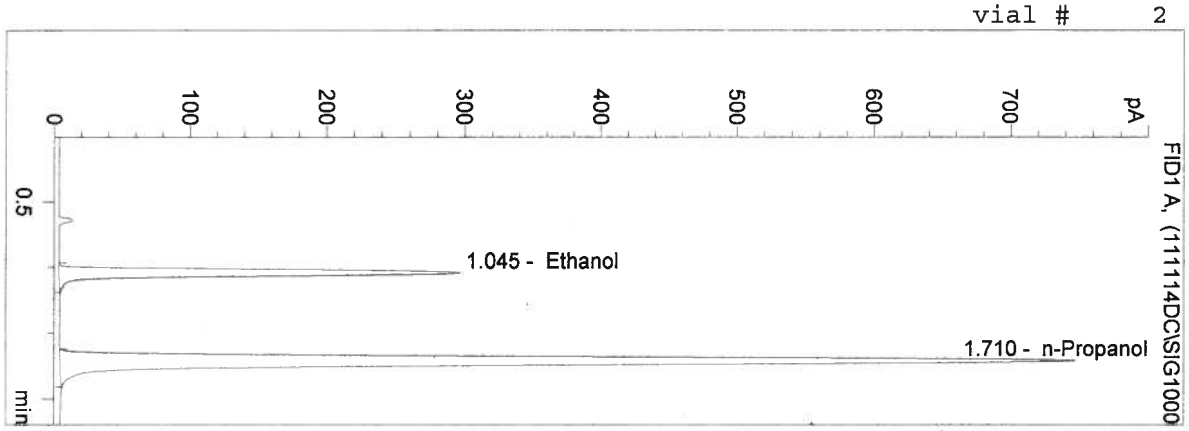
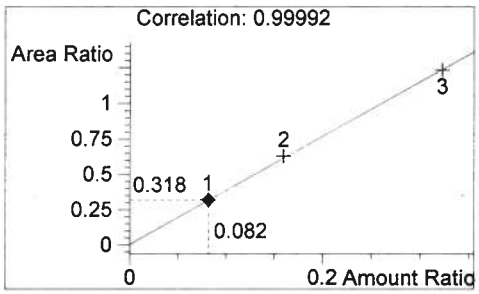
Instrument 1
DB-ALC1

0.079 CAL 1
Dawn Cox

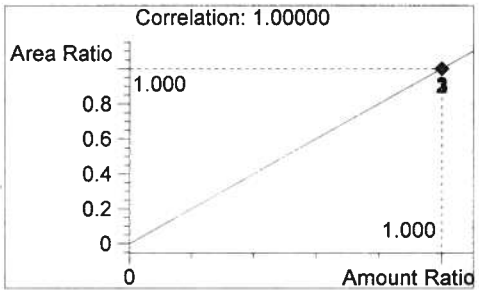
vial # 2



#	Compound	Area	RT
1	Ethanol	953	1.045
2	n-Propanol	2999	1.710
Tot			



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

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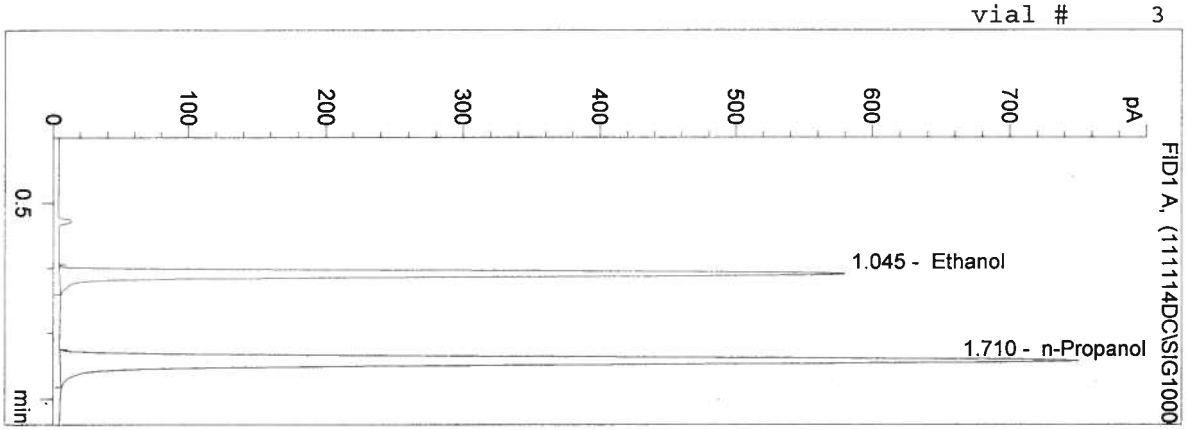
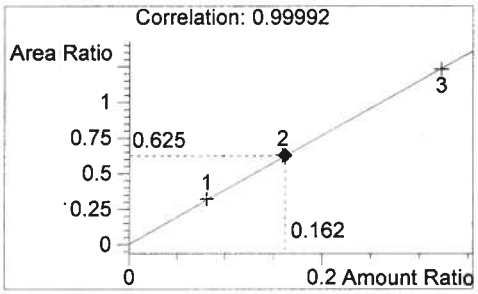
Instrument 1
DB-ALC1

0.158 CAL 2
Dawn Cox

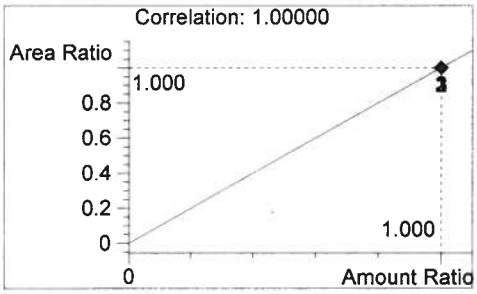
vial # 3



#	Compound	Area	RT
1	Ethanol	1882	1.045
2	n-Propanol	3011	1.710
Tot			



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

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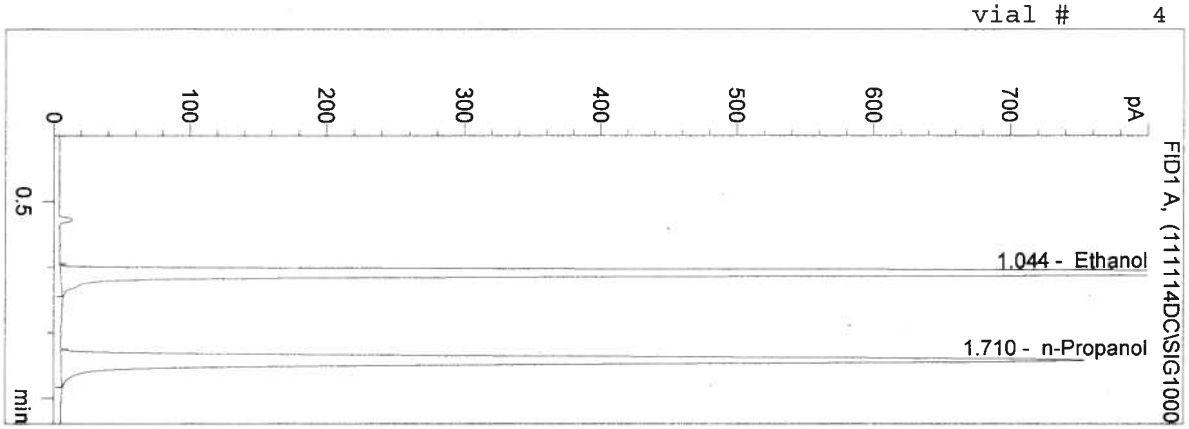
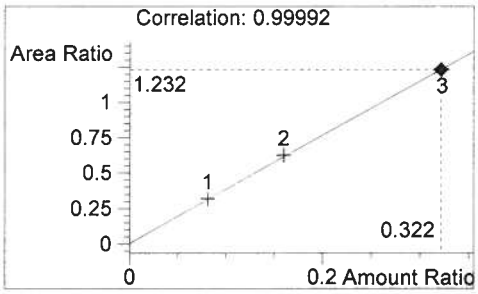
Instrument 1
DB-ALC1

0.316 CAL 3
Dawn Cox

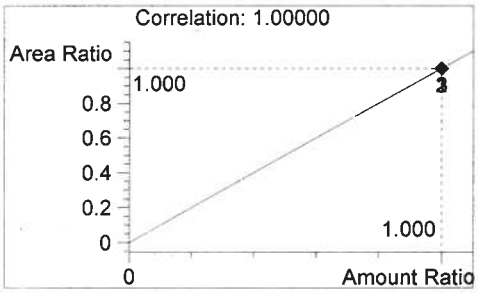
vial # 4



#	Compound	Area	RT
1	Ethanol	3723	1.044
2	n-Propanol	3022	1.710
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

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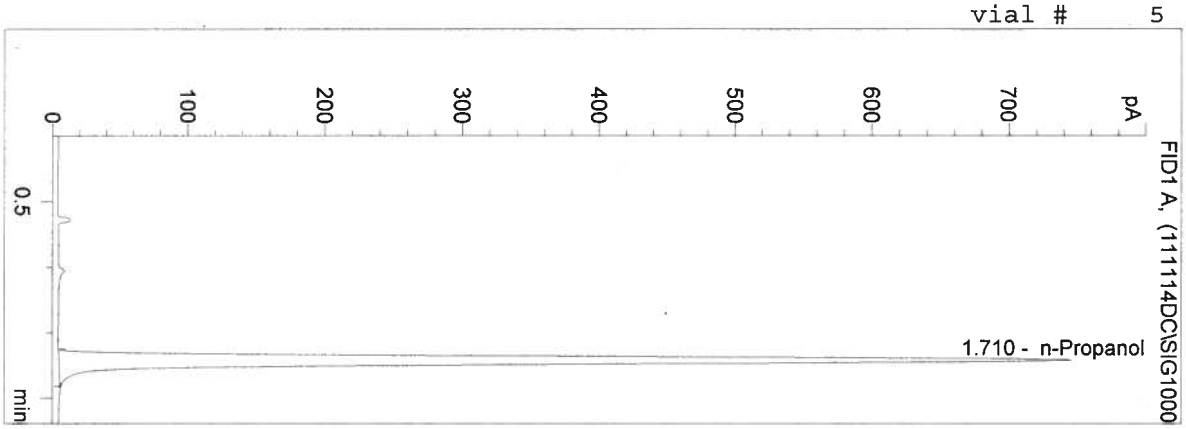
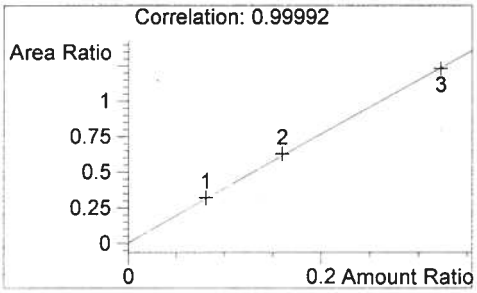
11/14/2011 1:03:32 PM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

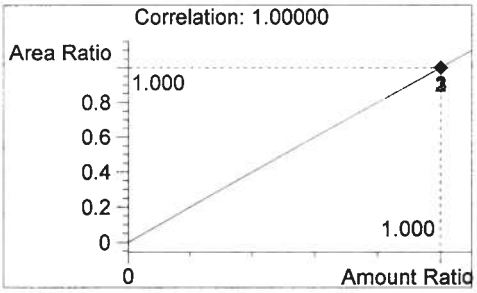
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2996	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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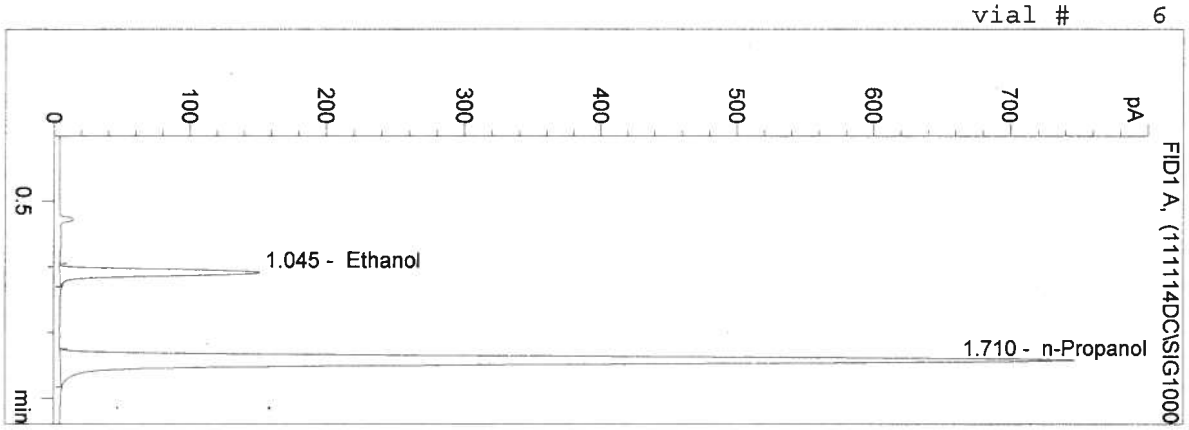
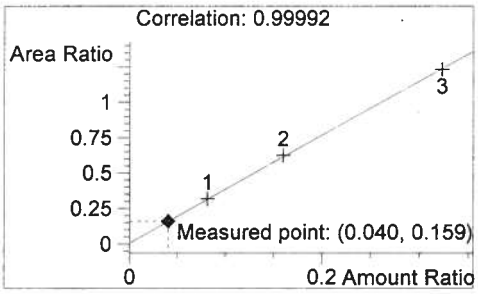
Instrument 1
DB-ALC1

0.04 CTRL-DC
Dawn Cox

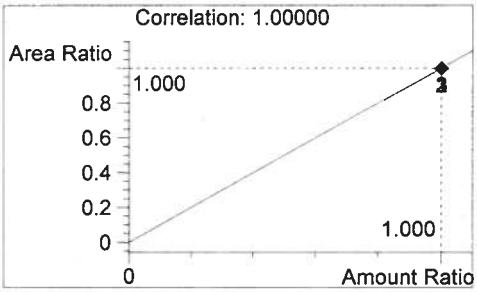
vial # 6



#	Compound	Area	RT
1	Ethanol	477	1.045
2	n-Propanol	3001	1.710
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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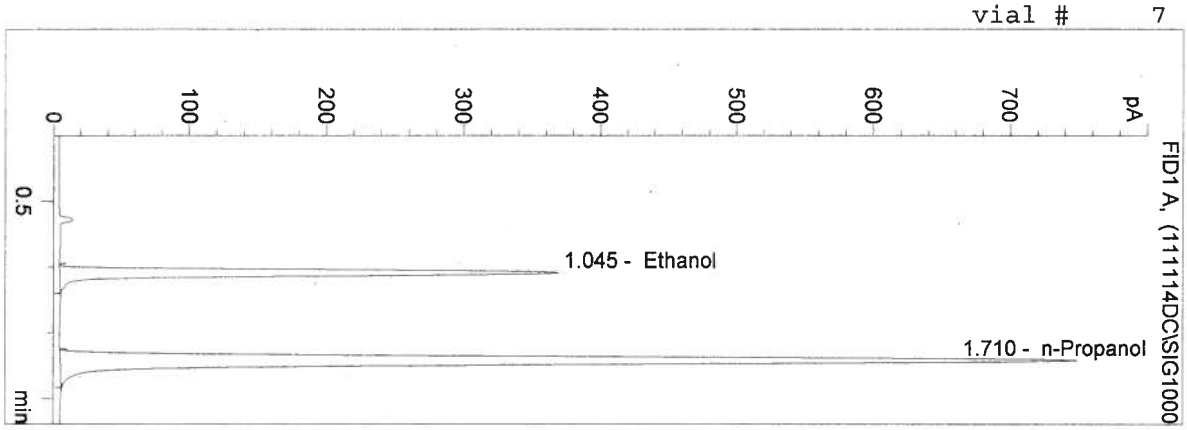
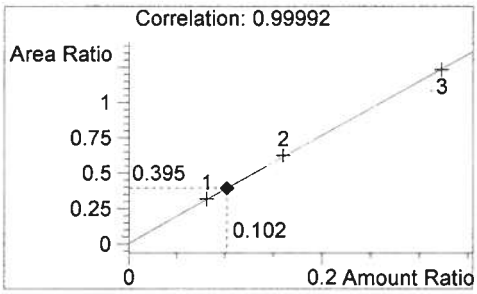
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Cox

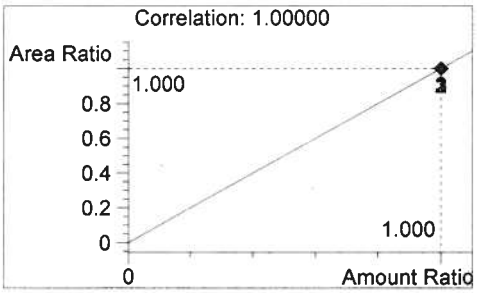
vial # 7



#	Compound	Area	RT
1	Ethanol	1190	1.045
2	n-Propanol	3012	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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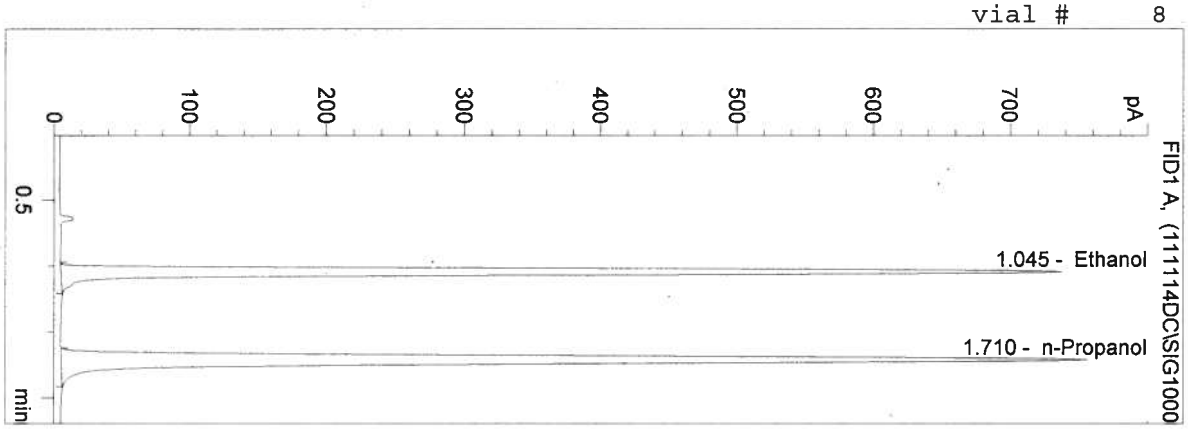
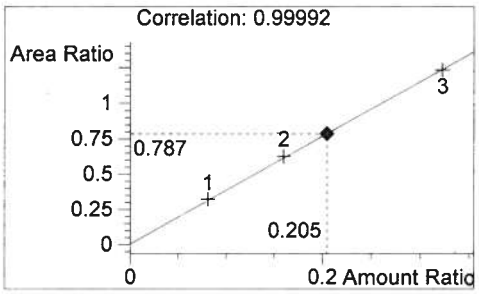
Instrument 1
DB-ALC1

0.20 CTRL-DC
Dawn Cox

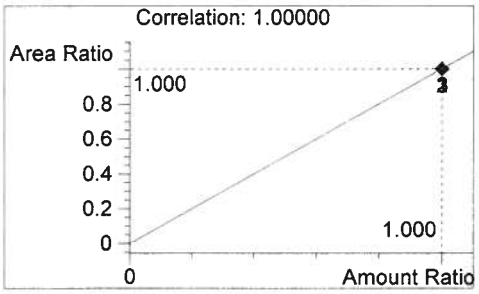
vial # 8



#	Compound	Area	RT
1	Ethanol	2394	1.045
2	n-Propanol	3042	1.710
Tot			



Ethanol 0.205 g/100 mL



n-Propanol 1.000 g/100 mL

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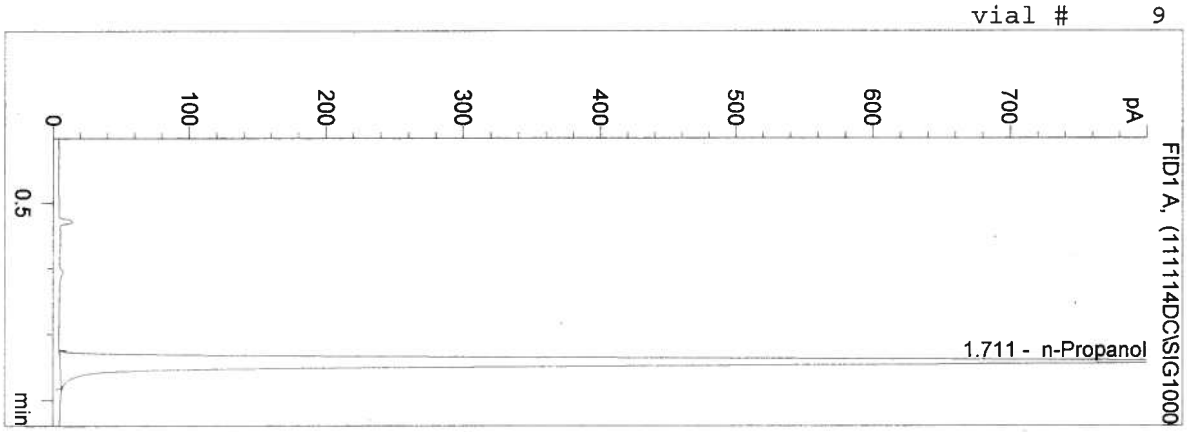
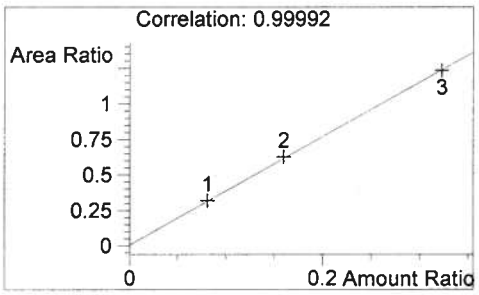
11/14/2011 1:15:51 PM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

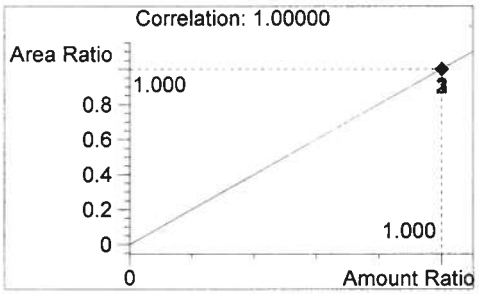
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3405	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11052

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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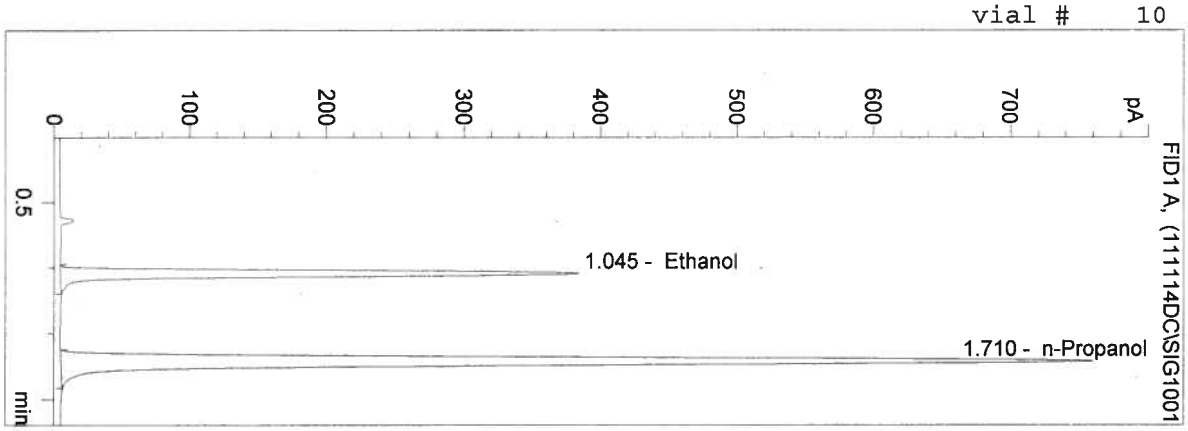
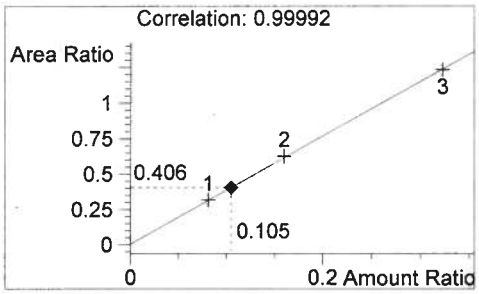
11/14/2011 1:18:56 PM
Instrument 1
DB-ALC1

11052 #1
Dawn Cox

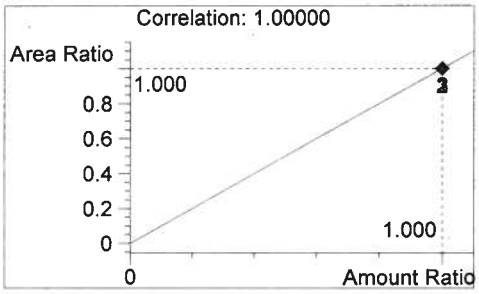
vial # 10



#	Compound	Area	RT
1	Ethanol	1239	1.045
2	n-Propanol	3054	1.710
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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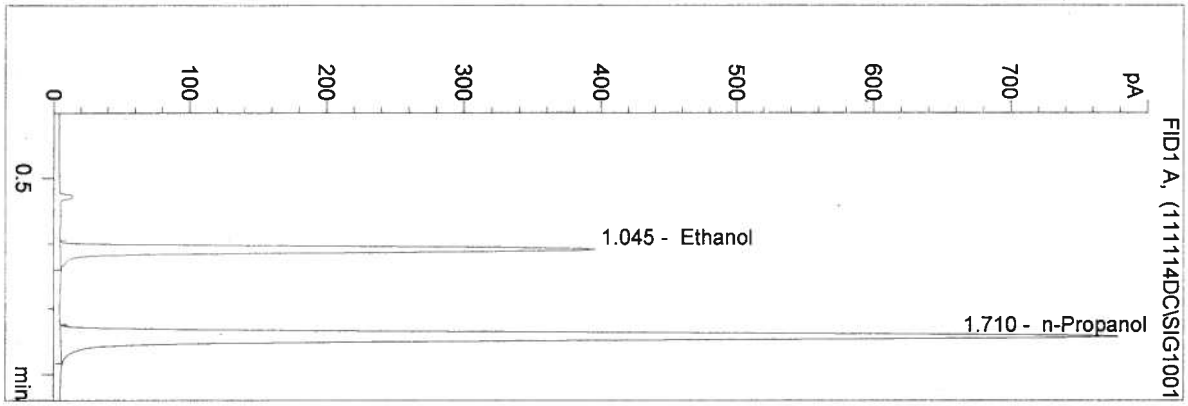
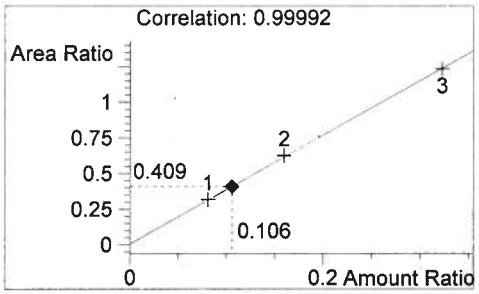
11/14/2011 1:22:01 PM
Instrument 1
DB-ALC1

11052 #2
Dawn Cox

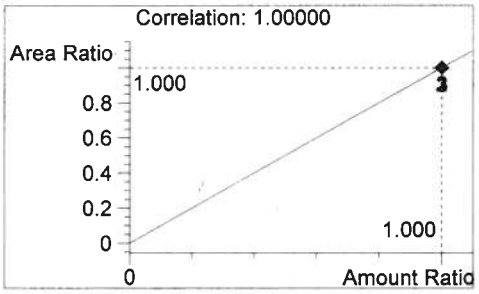
vial # 11



#	Compound	Area	RT
1	Ethanol	1282	1.045
2	n-Propanol	3133	1.710
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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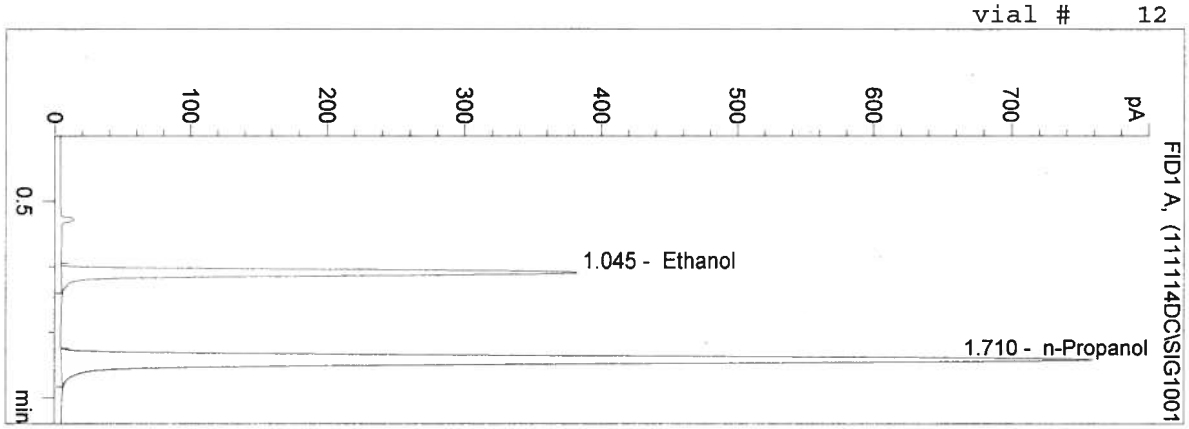
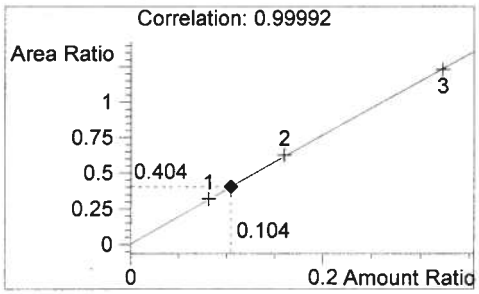
11/14/2011 1:25:05 PM
Instrument 1
DB-ALC1

11052 #3
Dawn Cox

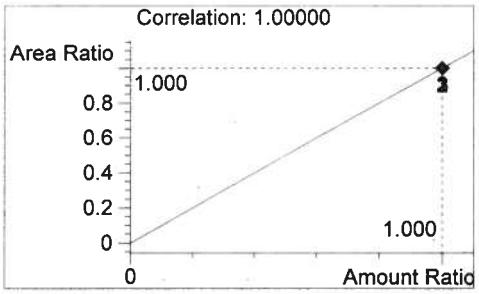
vial # 12



#	Compound	Area	RT
1	Ethanol	1231	1.045
2	n-Propanol	3047	1.710
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

DC

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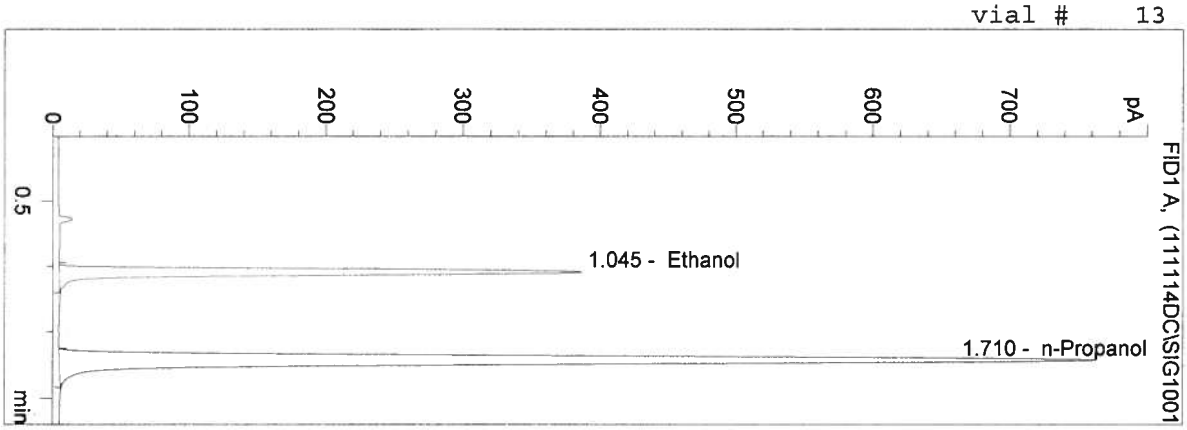
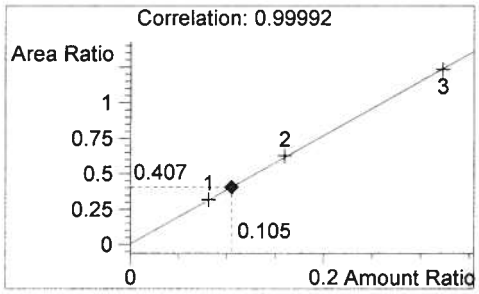
C:\HPCHEM\1\METHODS\SIMALC1.M
11/14/2011 1:28:10 PM
Instrument 1
DB-ALC1

11052 #4
Dawn Cox

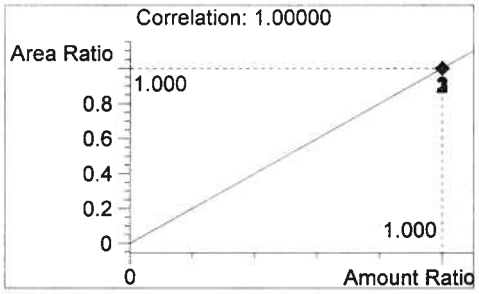
vial # 13



#	Compound	Area	RT
1	Ethanol	1244	1.045
2	n-Propanol	3059	1.710
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

DC

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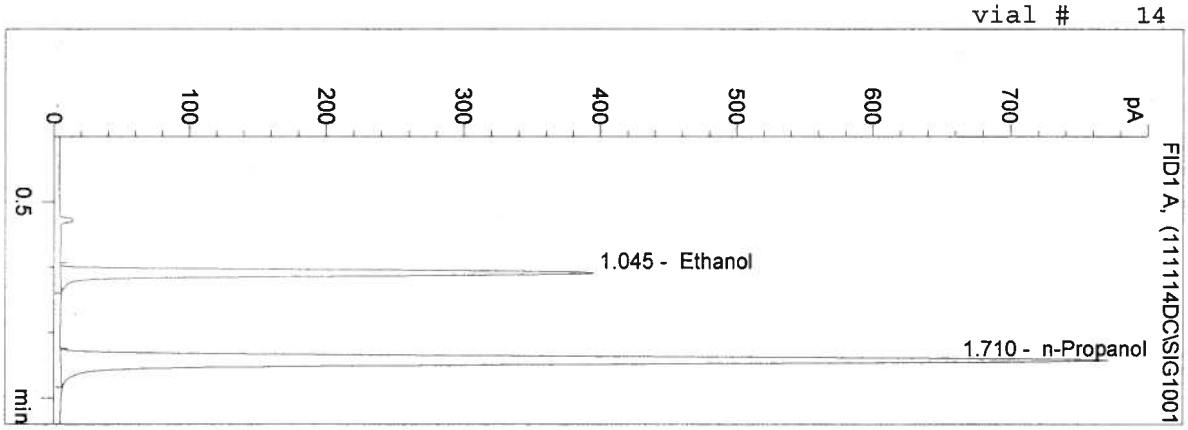
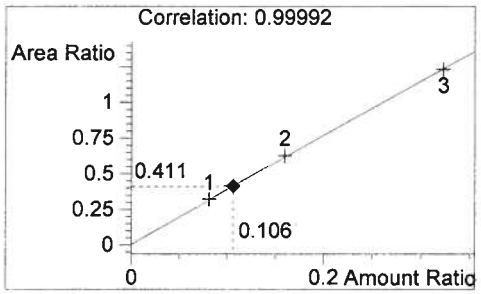
Instrument 1
DB-ALC1

11052 #5
Dawn Cox

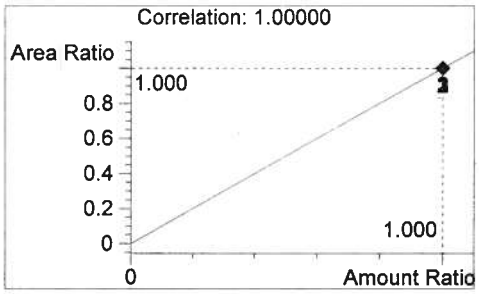
vial # 14



#	Compound	Area	RT
1	Ethanol	1274	1.045
2	n-Propanol	3102	1.710
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

DC

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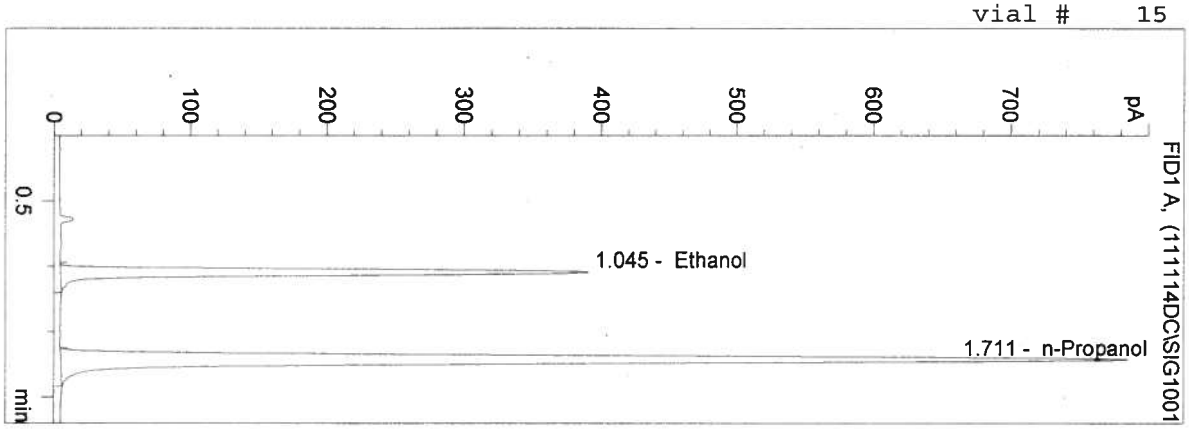
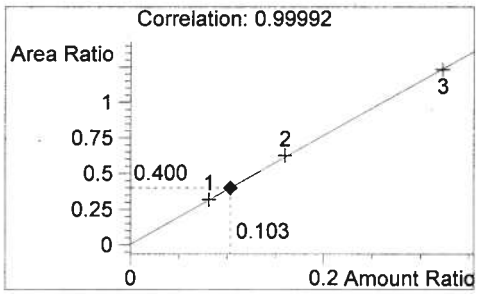
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Cox

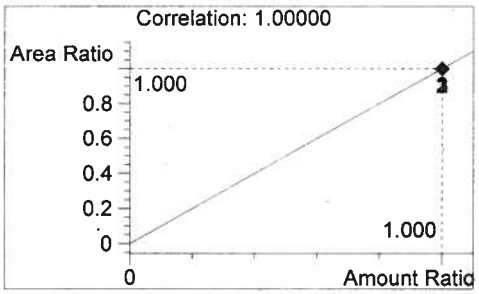
vial # 15



#	Compound	Area	RT
1	Ethanol	1261	1.045
2	n-Propanol	3156	1.711
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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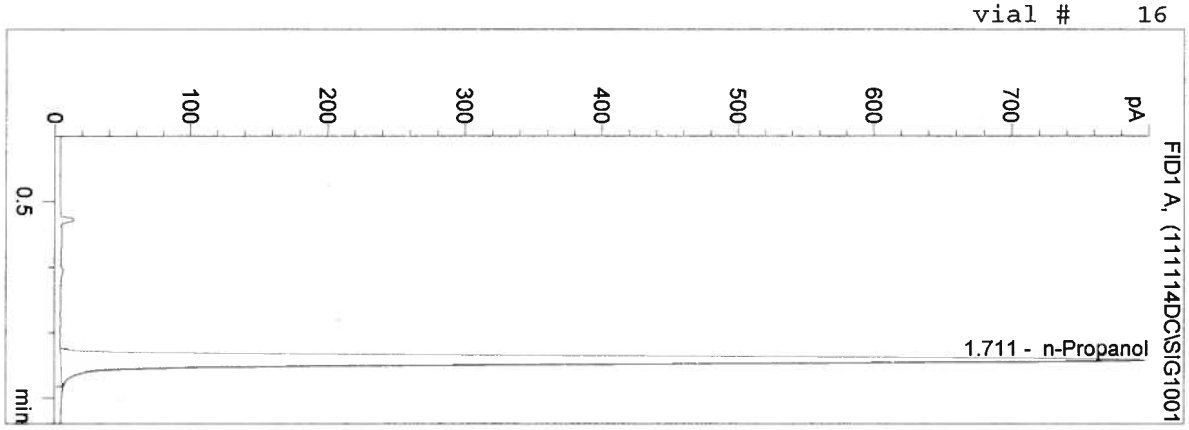
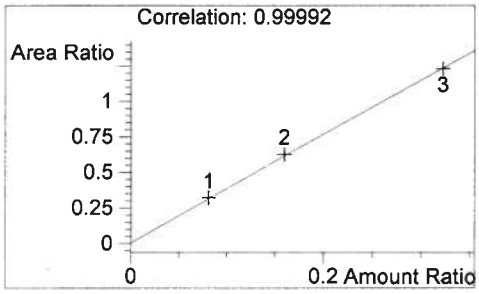
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

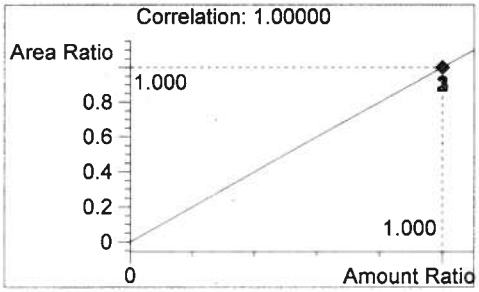
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3205	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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DC

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\1\DATA\
Data Subdirectory:	111115AL
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
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

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC1	1	Sample		
2	Vial 2	0.079 cal 1	SIMALC1	1	Calib		
3	Vial 3	0.158 cal 2	SIMALC1	1	Calib		
4	Vial 4	0.316 cal 3	SIMALC1	1	Calib		
5	Vial 5	neg control - al	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 ctrl al	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 ctrl al	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 ctrl al	SIMALC1	1	Ctrl Samp		
9	Vial 9	neg control - al	SIMALC1	1	Ctrl Samp		
10	Vial 10	11052 #1	SIMALC1	1	Sample		
11	Vial 11	11052 #2	SIMALC1	1	Sample		
12	Vial 12	11052 #3	SIMALC1	1	Sample		
13	Vial 13	11052 #4	SIMALC1	1	Sample		
14	Vial 14	11052 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl al	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg control - al	SIMALC1	1	Ctrl Samp		

AL 2011 11 16

AL 2011 11 18

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 cal 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 cal 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 cal 3	SIMALC1	3	Replace	Replace	

11052

Sequence Table (Back Injector):

No entries - empty table!

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2011 11 16

AL
2011 11 18

11052

Calibration Table

Calib. Data Modified : Tuesday, November 15, 2011 6:08:27 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
1.045	1	1	8.12800e-2	986.02087	8.24323e-5		1	Ethanol
		2	1.60090e-1	1985.95093	8.06113e-5			
		3	3.22750e-1	4031.79541	8.00512e-5			
1.711	1	1	1.00000	3112.12036	3.21324e-4	I1		n-Propanol
		2	1.00000	3193.41260	3.13145e-4			
		3	1.00000	3246.66455	3.08008e-4			

Peak Sum Table

No Entries in table

AL 2011 11 16

11052

AL 2011 11 18

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Calibration Curves

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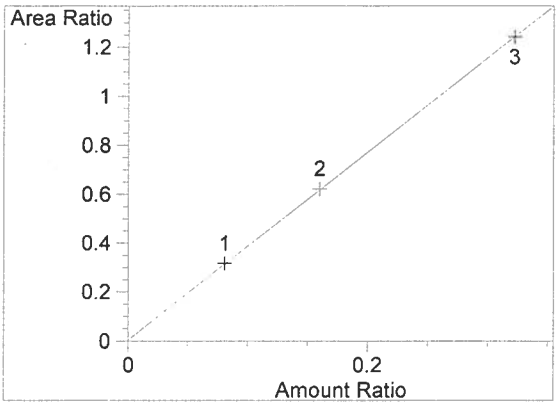
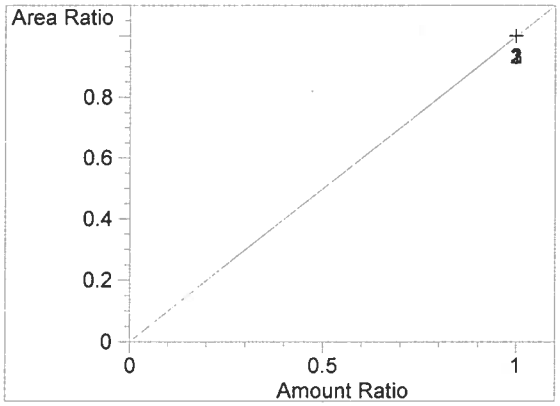


Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00364
Formula: y = mx + b
m: 3.84532
b: 2.83139e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.711
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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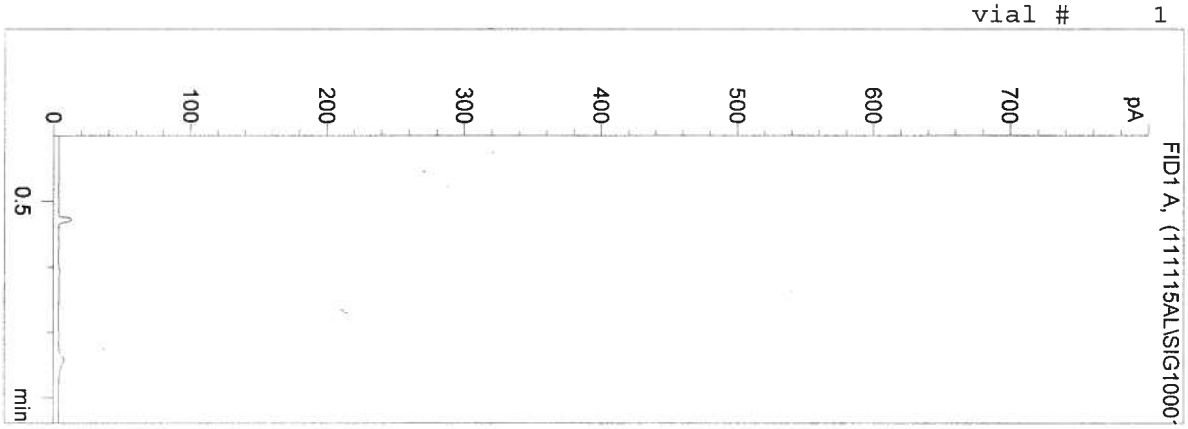
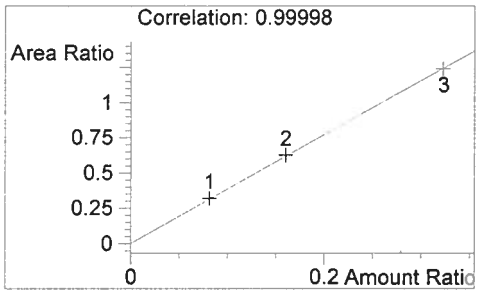
Instrument 1
DB-ALC1

blank
asa louis

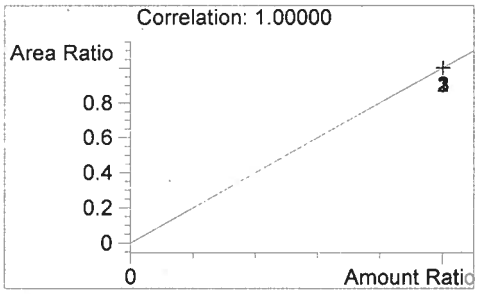
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

2011/11/16
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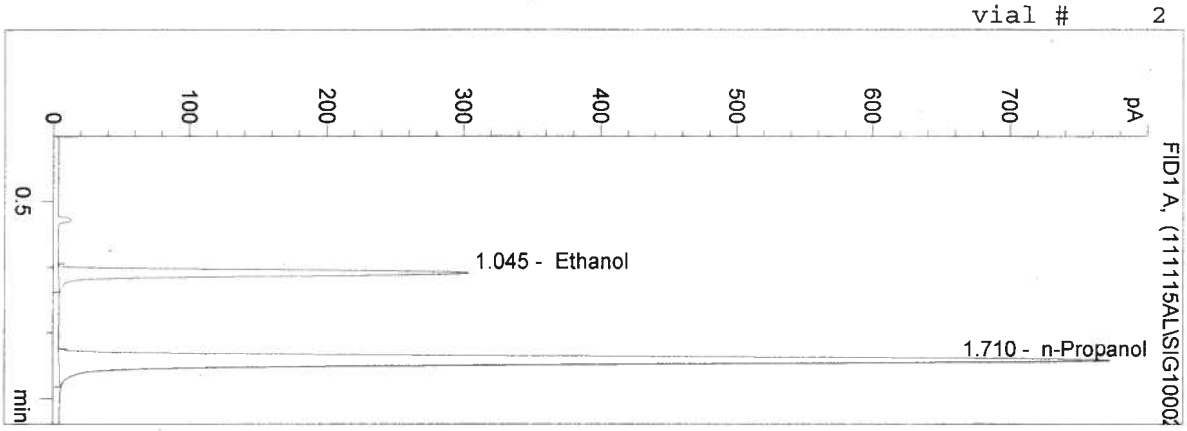
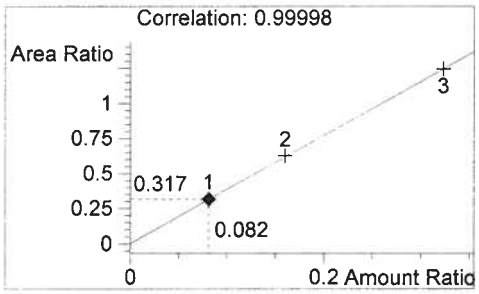
Instrument 1
DB-ALC1

0.079 cal 1
asa louis

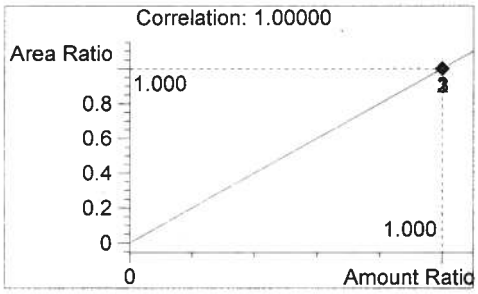
vial # 2



#	Compound	Area	RT
1	Ethanol	986	1.045
2	n-Propanol	3112	1.710
Tot			



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

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2011 11 16

2011 11 18

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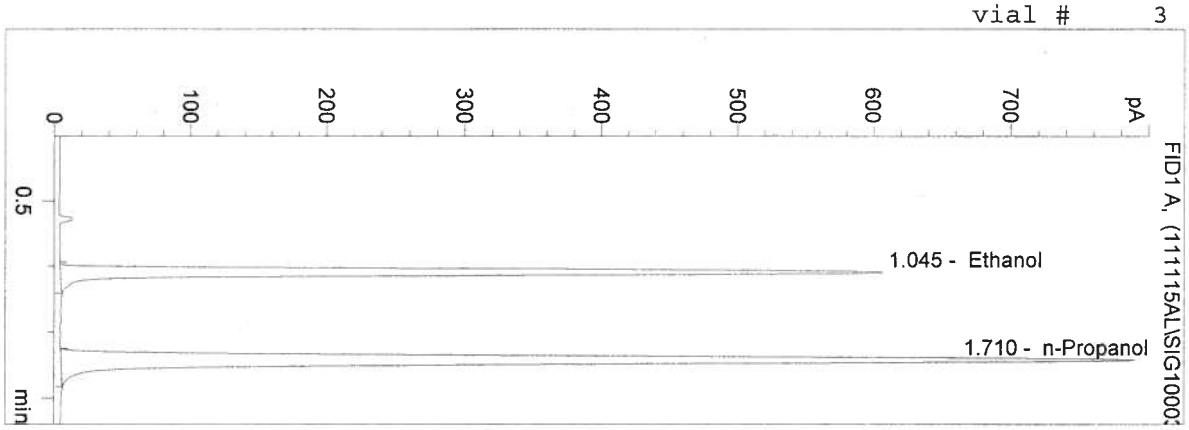
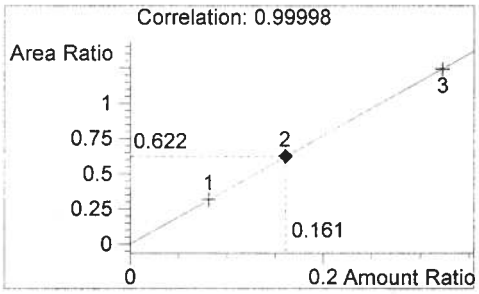
Instrument 1
DB-ALC1

0.158 cal 2
asa louis

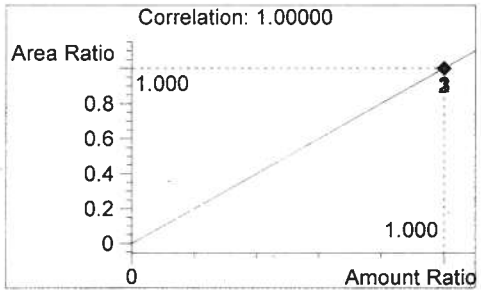
vial # 3



#	Compound	Area	RT
1	Ethanol	1986	1.045
2	n-Propanol	3193	1.710
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

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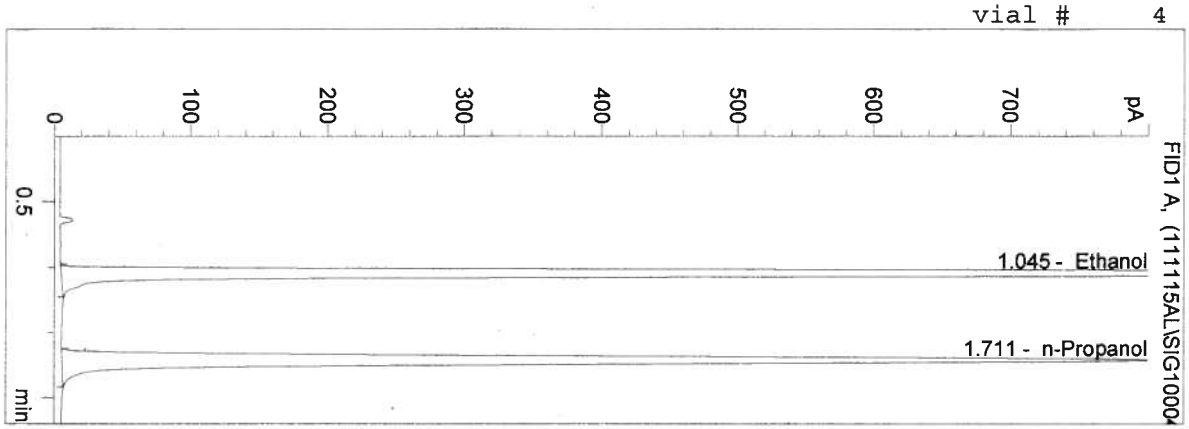
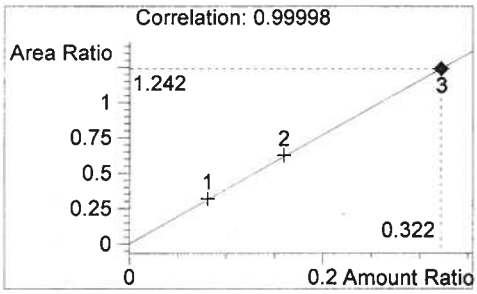
Instrument 1
DB-ALC1

0.316 cal 3
asa louis

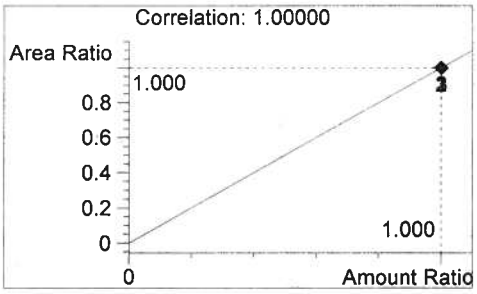
vial # 4



#	Compound	Area	RT
1	Ethanol	4032	1.045
2	n-Propanol	3247	1.711
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

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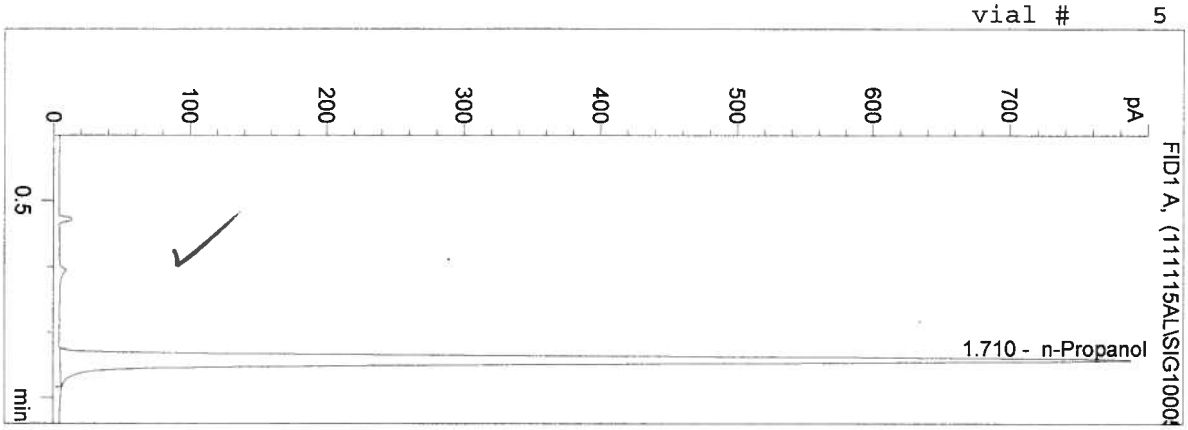
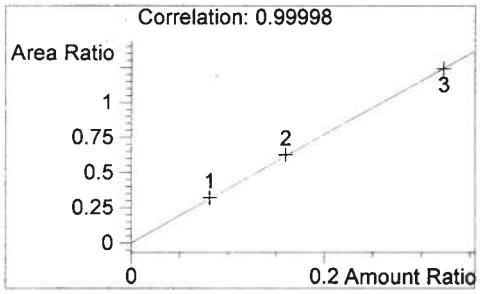
Instrument 1
DB-ALC1

neg control - al
asa louis

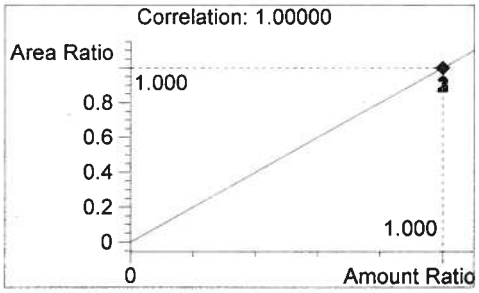
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3185	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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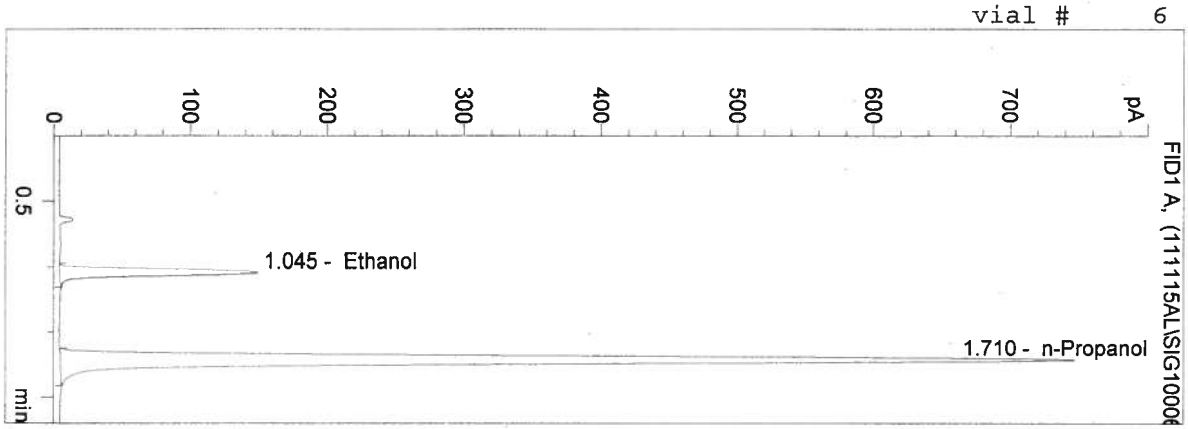
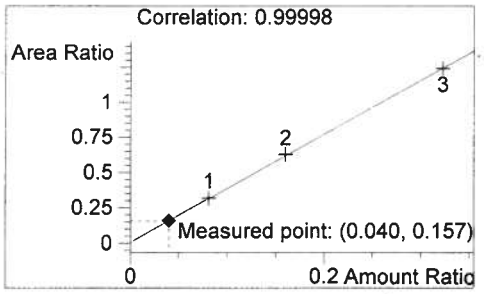
Instrument 1
DB-ALC1

0.04 ctrl al
asa louis

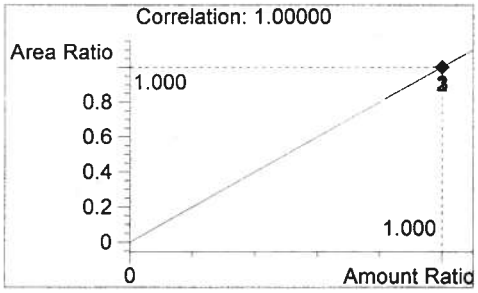
vial # 6



#	Compound	Area	RT
1	Ethanol	474	1.045
2	n-Propanol	3022	1.710
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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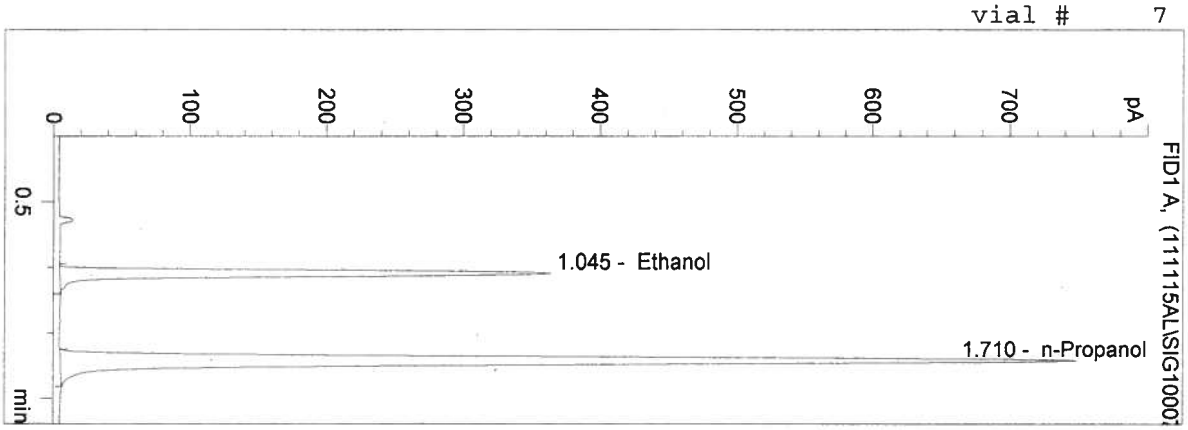
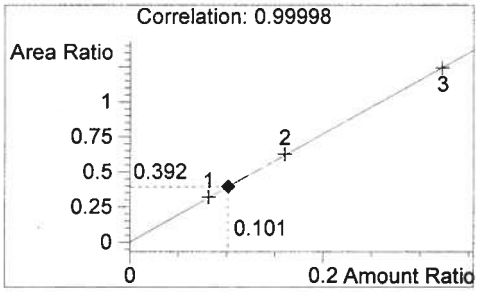
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

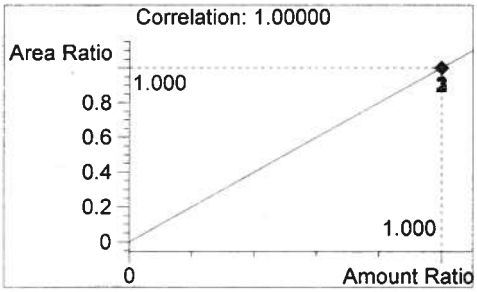
vial # 7



#	Compound	Area	RT
1	Ethanol	1183	1.045
2	n-Propanol	3018	1.710
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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2011 11 18

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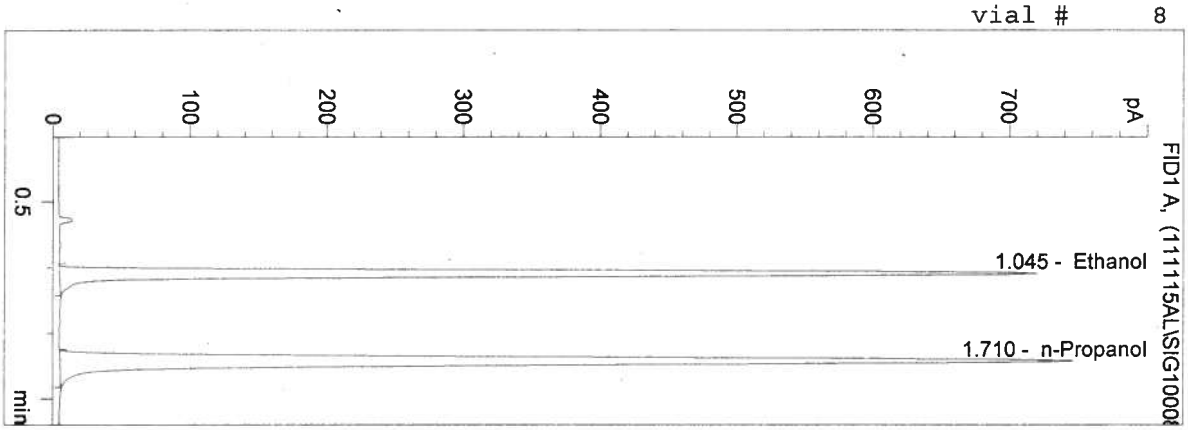
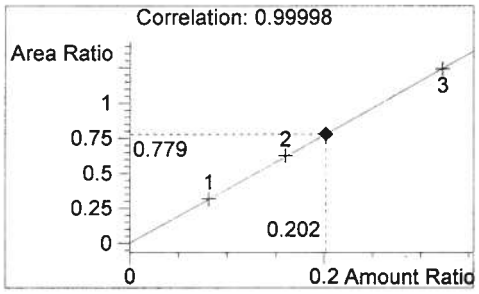
11/15/2011 6:18:33 PM
Instrument 1
DB-ALC1

0.20 ctrl al
asa louis

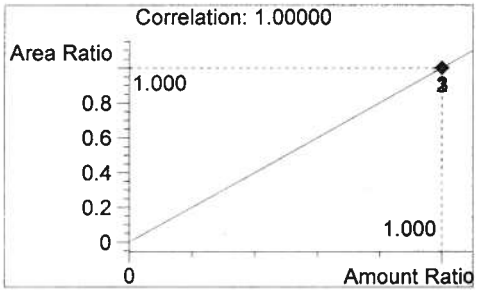
vial # 8



#	Compound	Area	RT
1	Ethanol	2347	1.045
2	n-Propanol	3013	1.710
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

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2011 11 16

AL
2011 11 18

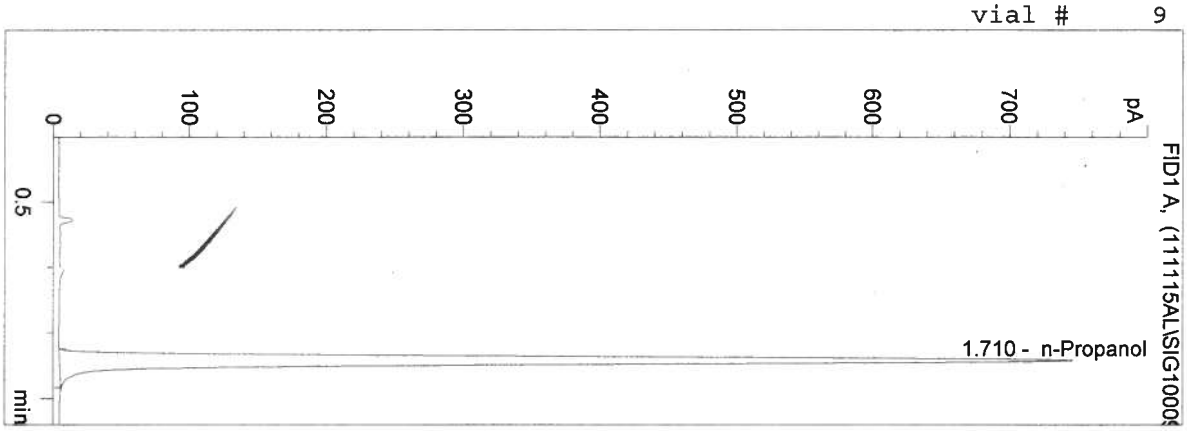
11052

WASHINGTON STATE TOXICOLOGY LABORATORY

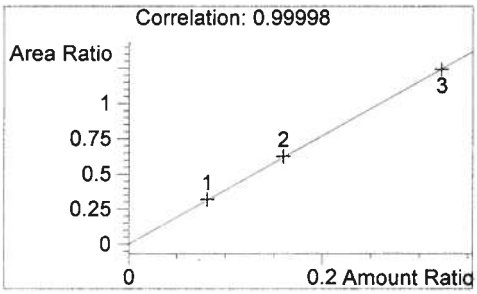
C:\HPCHEM\1\METHODS\SIMALC1.M
11/15/2011 6:21:38 PM
Instrument 1
DB-ALC1

neg control - al
asa louis

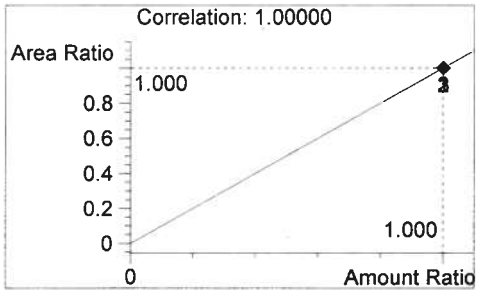
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3017	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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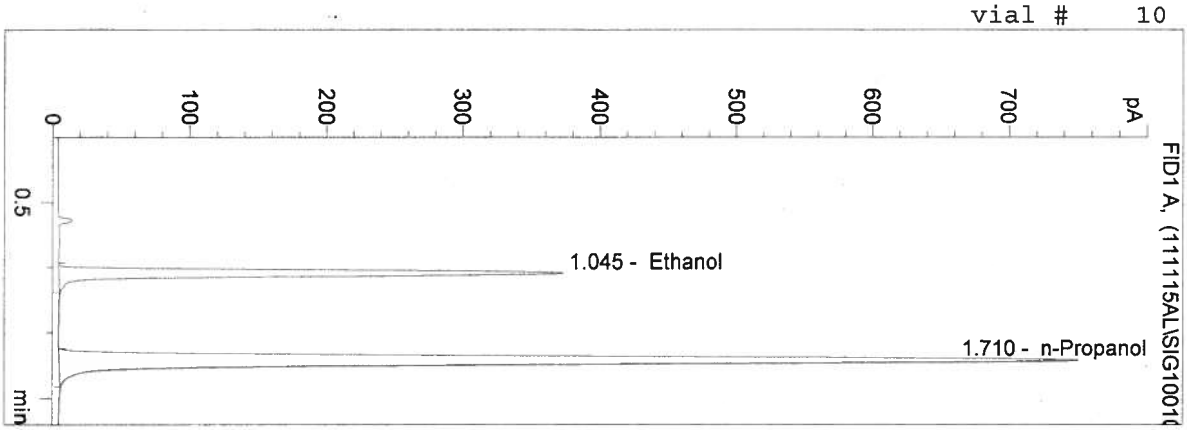
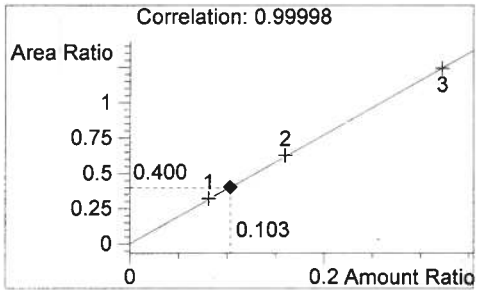
11/15/2011 6:24:42 PM
Instrument 1
DB-ALC1

11052 #1
asa louis

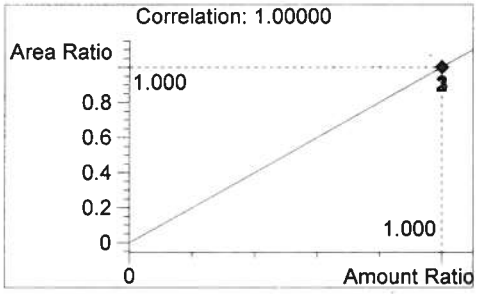
vial # 10



#	Compound	Area	RT
1	Ethanol	1210	1.045
2	n-Propanol	3023	1.710
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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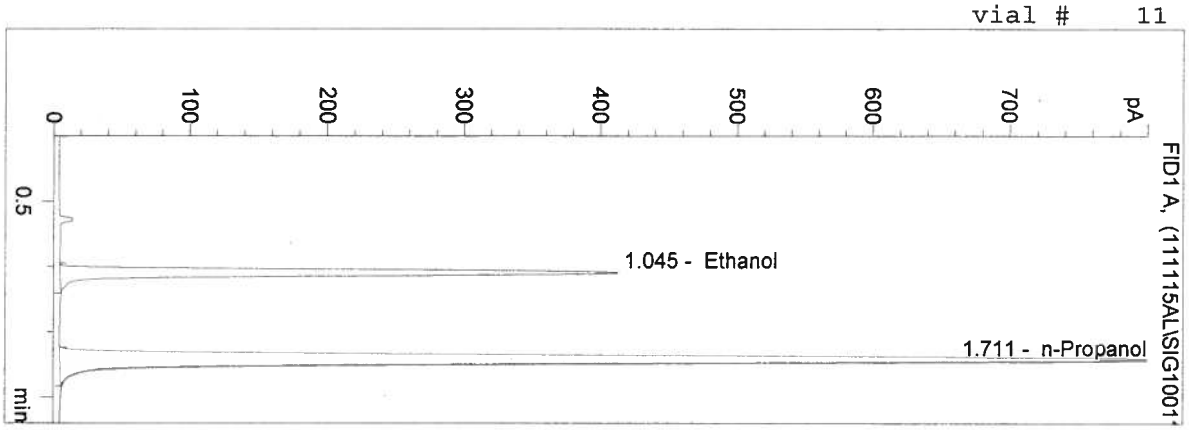
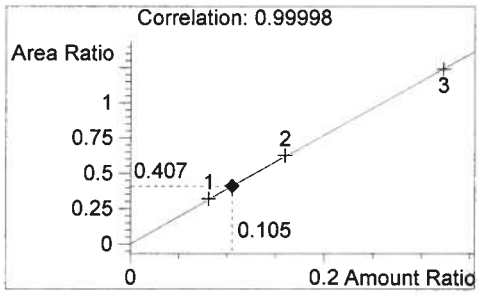
Instrument 1
DB-ALC1

11052 #2
asa louis

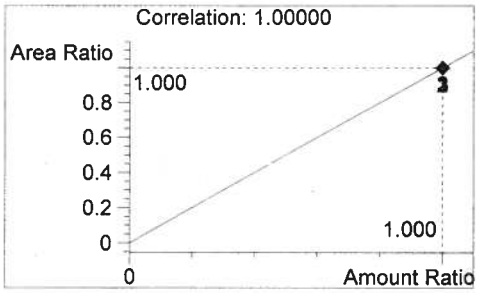
vial # 11



#	Compound	Area	RT
1	Ethanol	1352	1.045
2	n-Propanol	3320	1.711
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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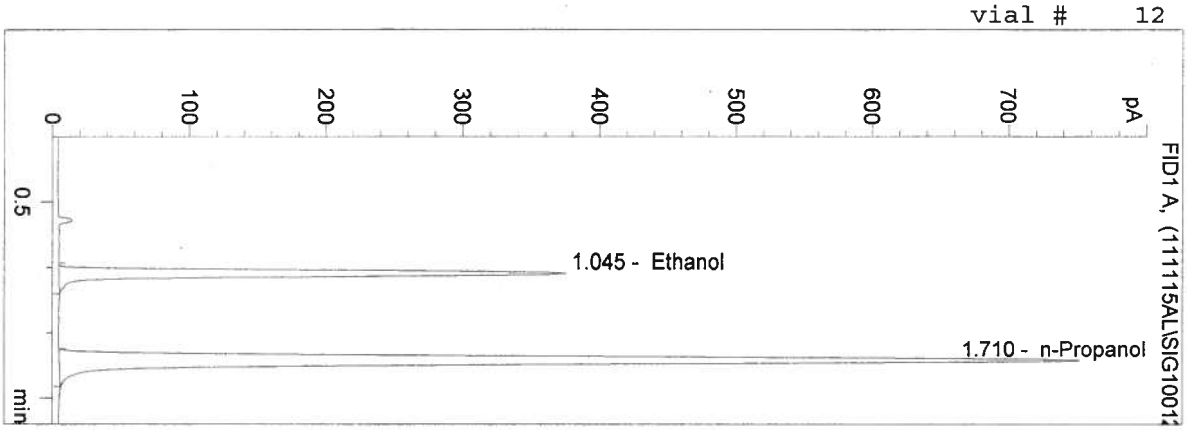
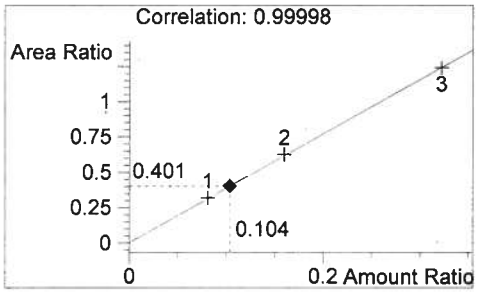
Instrument 1
DB-ALC1

11052 #3
asa louis

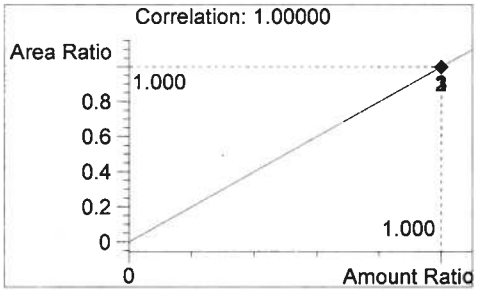
vial # 12



#	Compound	Area	RT
1	Ethanol	1216	1.045
2	n-Propanol	3030	1.710
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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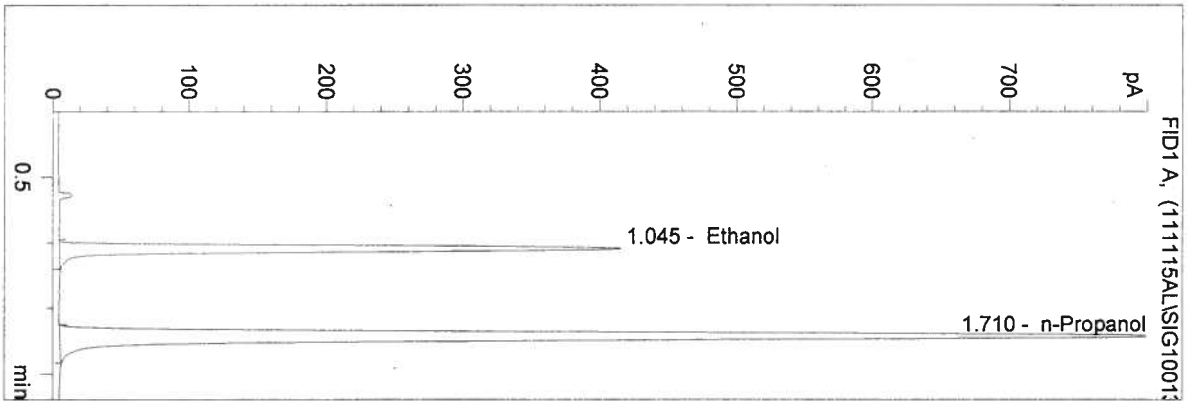
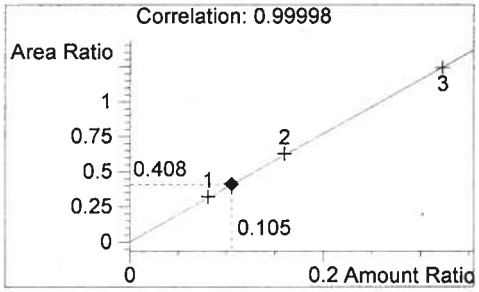
11/15/2011 6:33:57 PM
Instrument 1
DB-ALC1

11052 #4
asa louis

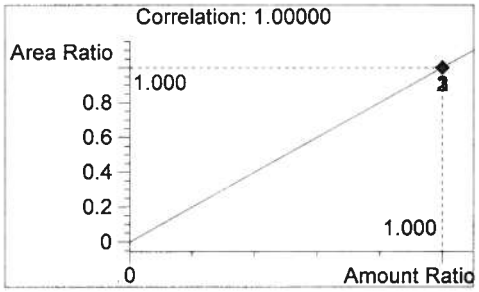
vial # 13



#	Compound	Area	RT
1	Ethanol	1353	1.045
2	n-Propanol	3319	1.710
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

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2011 11 18

WASHINGTON STATE TOXICOLOGY LABORATORY

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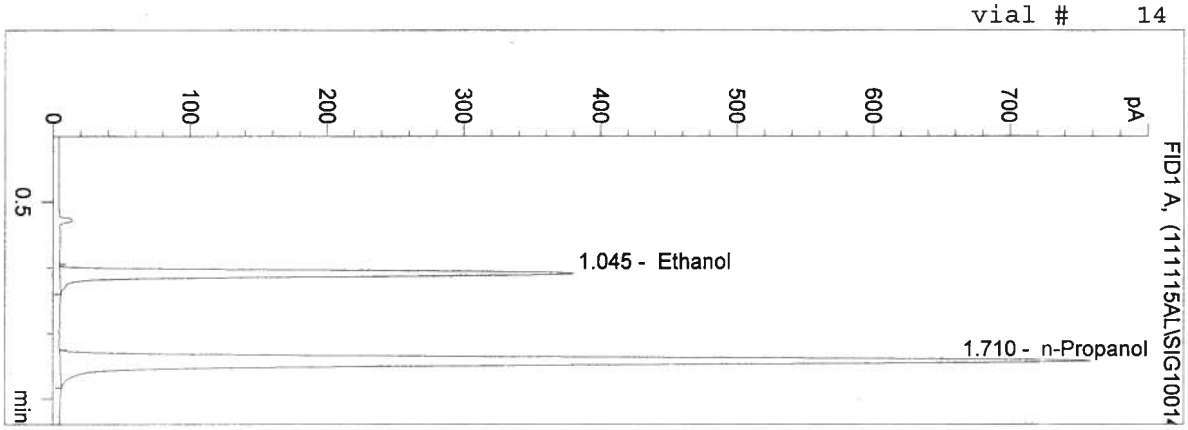
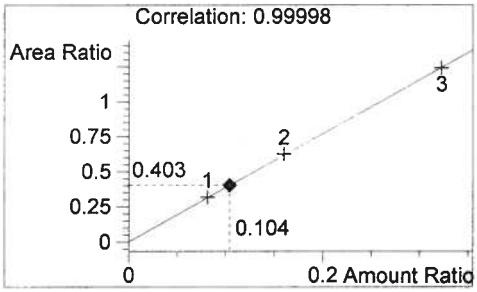
Instrument 1
DB-ALC1

11052 #5
asa louis

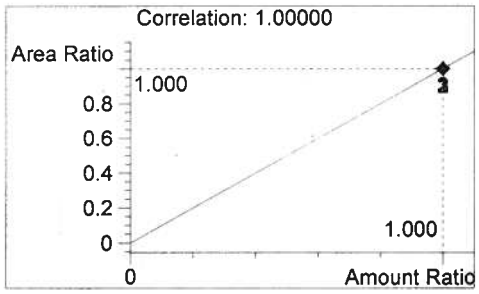
vial # 14



#	Compound	Area	RT
1	Ethanol	1233	1.045
2	n-Propanol	3058	1.710
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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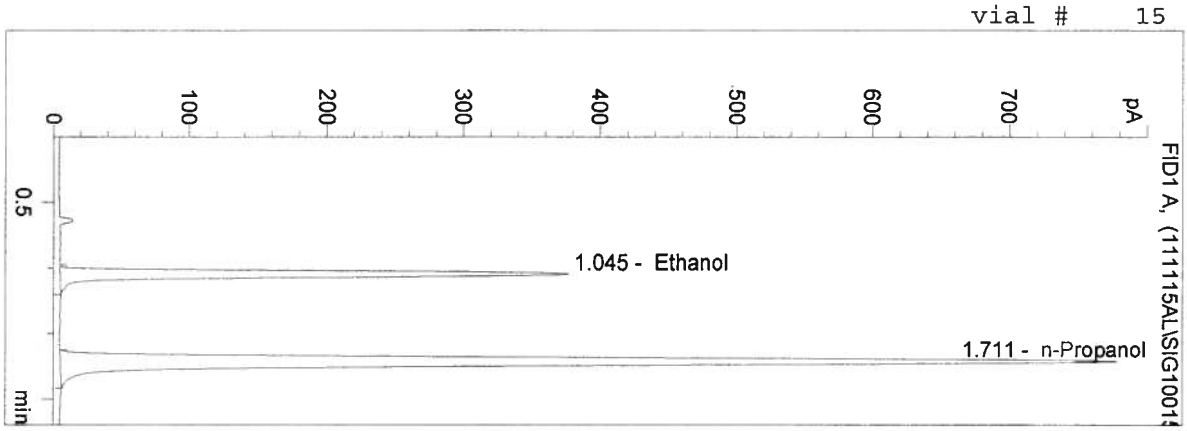
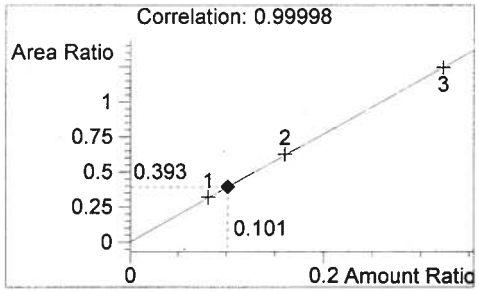
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

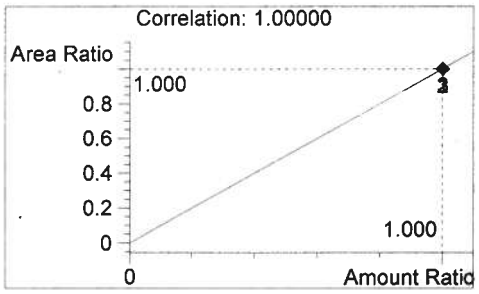
vial # 15



#	Compound	Area	RT
1	Ethanol	1234	1.045
2	n-Propanol	3143	1.711
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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2011 11 16
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WASHINGTON STATE TOXICOLOGY LABORATORY

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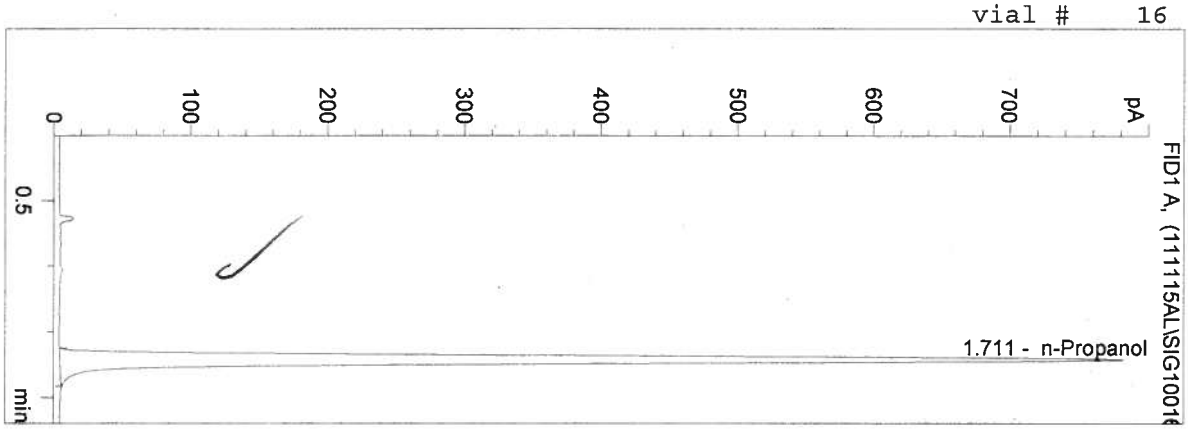
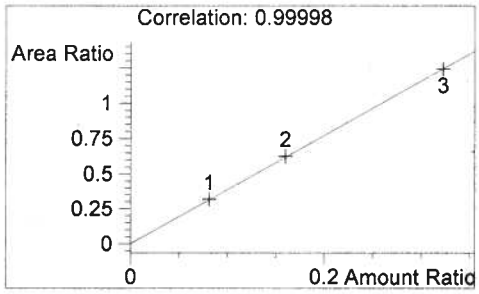
11/15/2011 6:43:11 PM
Instrument 1
DB-ALC1

neg control - al
asa louis

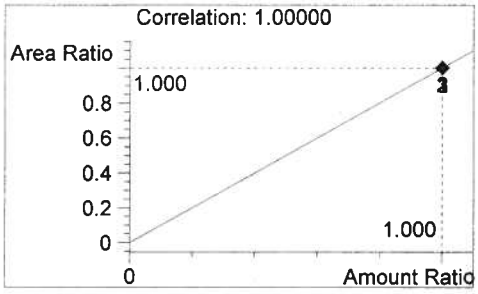
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3164	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

2011 11 16
2011 11 18
11052

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\1\DATA\
Data Subdirectory:	111116BB
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 EXP12/2011
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	

BB

11052

Sequence: C:\HPCHEM\1\SEQUENCE\BBEXTSTD.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL BB	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL BB	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL BB	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL BB	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL BB	SIMALC1	1	Ctrl Samp		
10	Vial 10	11052-1	SIMALC1	1	Sample		
11	Vial 11	11052-2	SIMALC1	1	Sample		
12	Vial 12	11052-3	SIMALC1	1	Sample		
13	Vial 13	11052-4	SIMALC1	1	Sample		
14	Vial 14	11052-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL BB	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL BB	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

BB

11052

Calibration Table

Calib. Data Modified : Wednesday, November 16, 2011 2:34:07 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
1.045	1		1	8.12800e-2	1042.47949	7.79680e-5	1		Ethanol
			2	1.60090e-1	2131.84595	7.50945e-5			
			3	3.22750e-1	4212.46729	7.66178e-5			
1.710	1		1	1.00000	3234.32642	3.09183e-4	I1		n-Propanol
			2	1.00000	3381.50293	2.95726e-4			
			3	1.00000	3349.20972	2.98578e-4			

Peak Sum Table

No Entries in table

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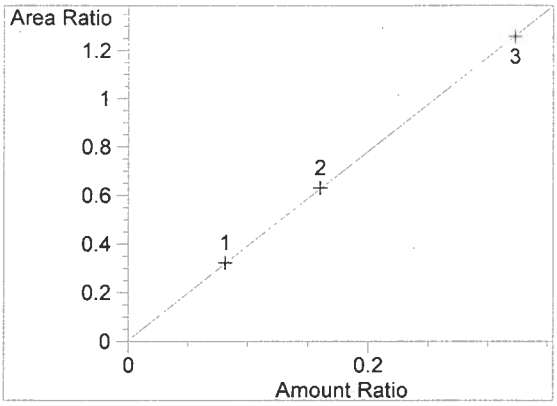
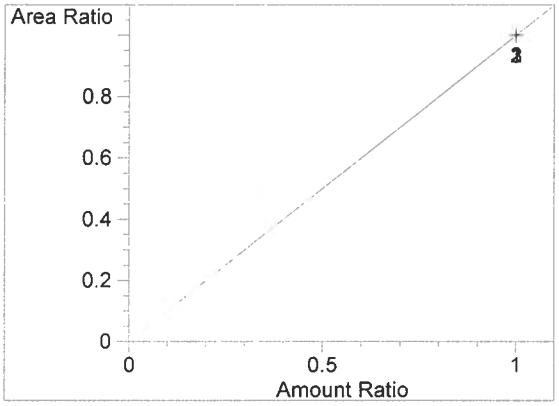
Calibration Curves

==========



Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00428
Formula: y = mx + b
m: 3.89333
b: 3.55164e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
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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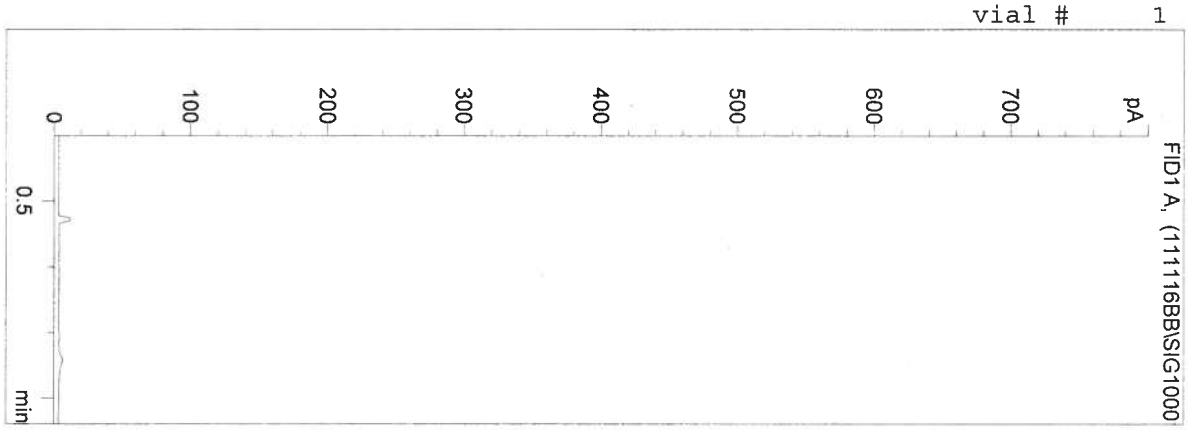
WASHINGTON STATE TOXICOLOGY LABORATORY

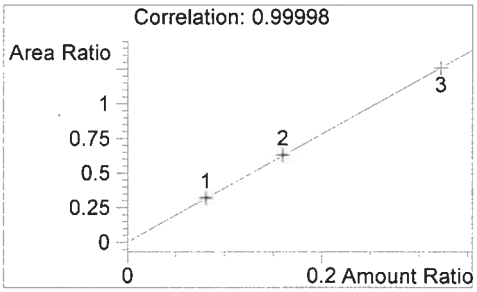
C:\HPCHEM\1\METHODS\SIMALC1.M
11/16/2011 2:22:40 PM
Instrument 1
DB-ALC1

BLANK
Brittany Ball

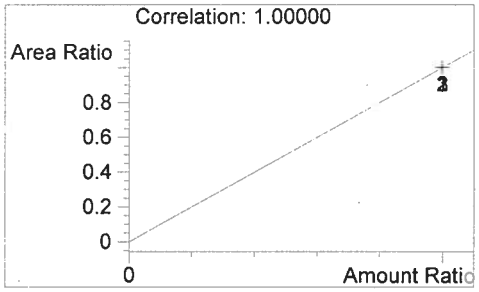
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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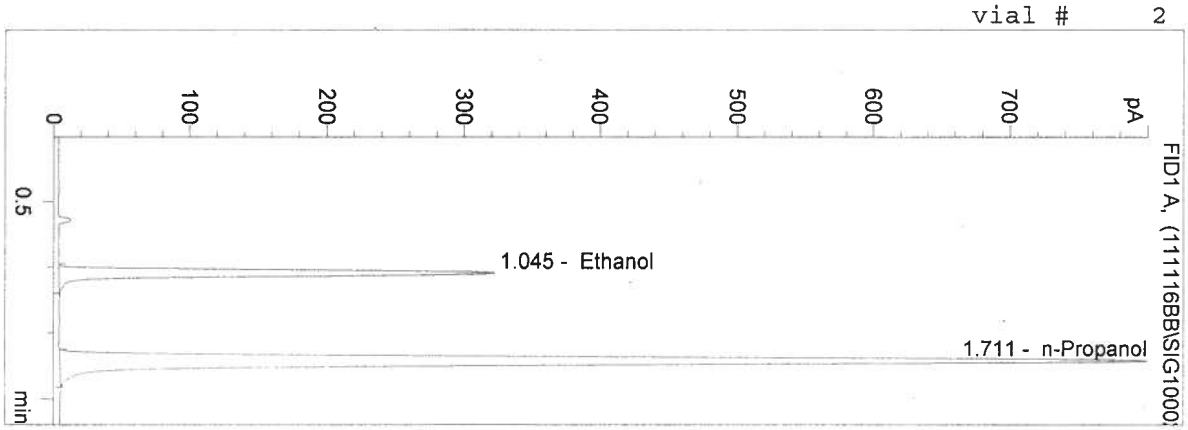
WASHINGTON STATE TOXICOLOGY LABORATORY

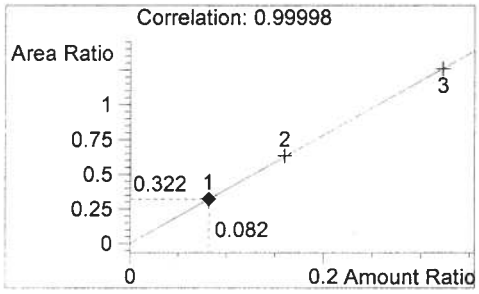
C:\HPCHEM\1\METHODS\SIMALC1.M
11/16/2011 2:25:45 PM
Instrument 1
DB-ALC1

0.079 CAL
Brittany Ball

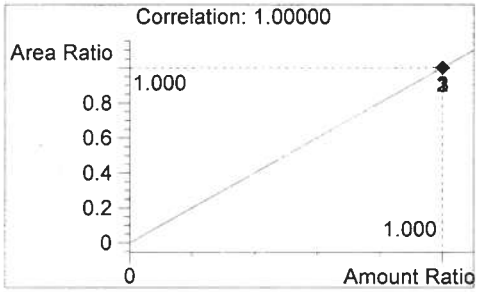
vial # 2



#	Compound	Area	RT
1	Ethanol	1042	1.045
2	n-Propanol	3234	1.711
Tot			



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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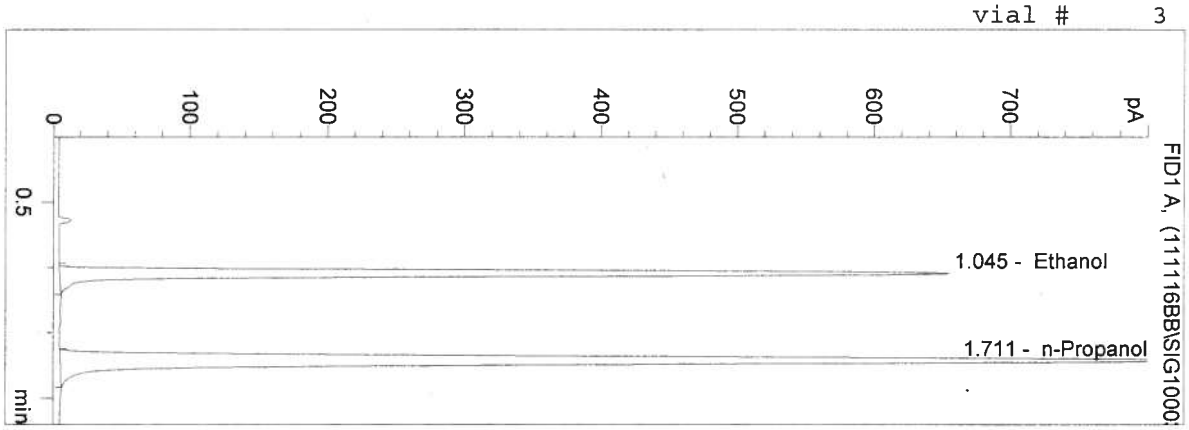
WASHINGTON STATE TOXICOLOGY LABORATORY

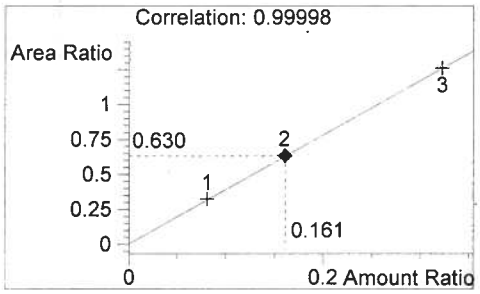
C:\HPCHEM\1\METHODS\SIMALC1.M
11/16/2011 2:28:49 PM
Instrument 1
DB-ALC1

0.158 CAL
Brittany Ball

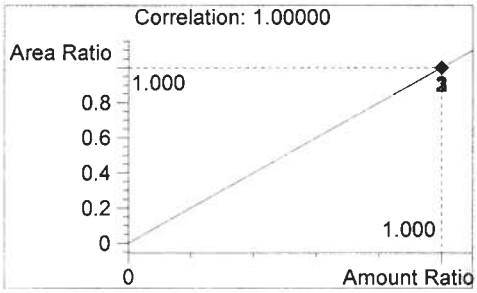
vial # 3



#	Compound	Area	RT
1	Ethanol	2132	1.045
2	n-Propanol	3382	1.711
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

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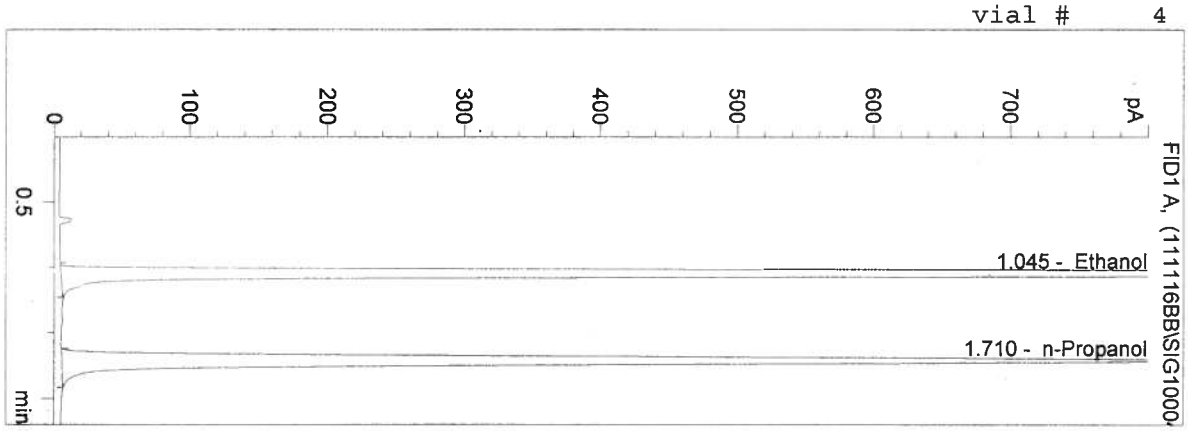
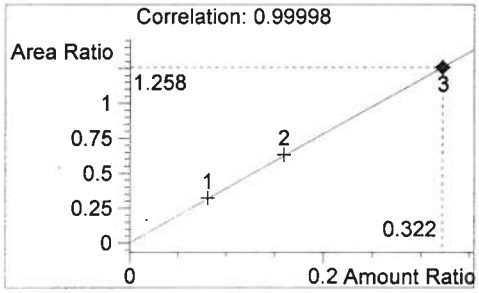
11/16/2011 2:31:54 PM
Instrument 1
DB-ALC1

0.316 CAL
Brittany Ball

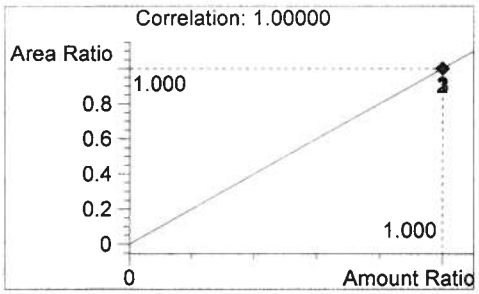
vial # 4



#	Compound	Area	RT
1	Ethanol	4212	1.045
2	n-Propanol	3349	1.710
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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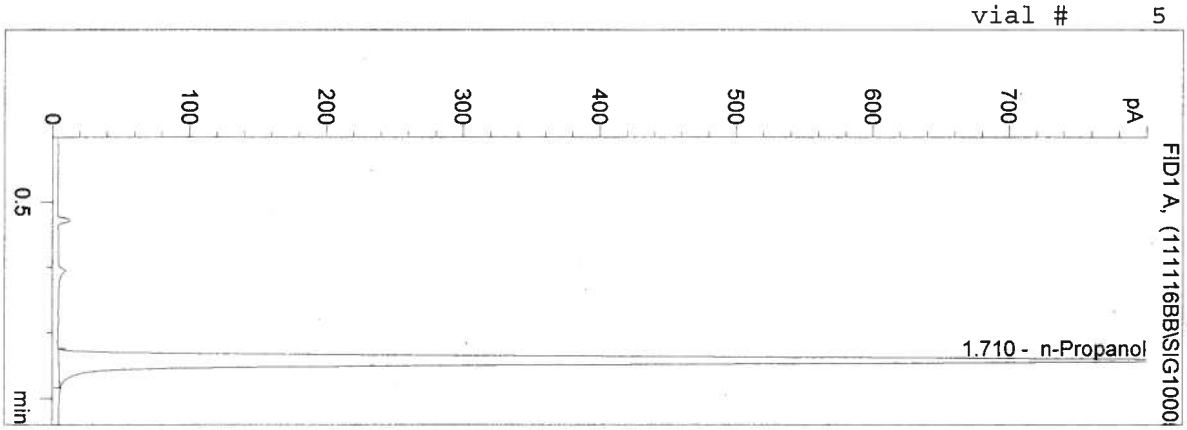
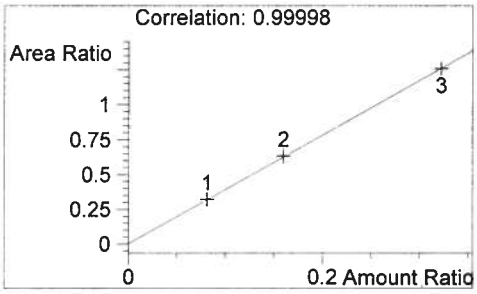
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

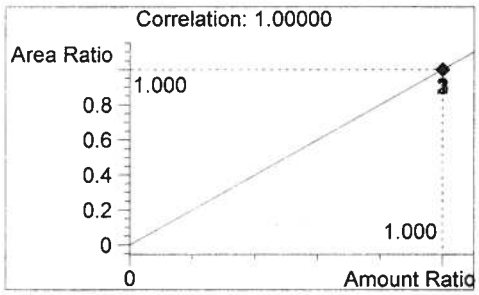
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3383	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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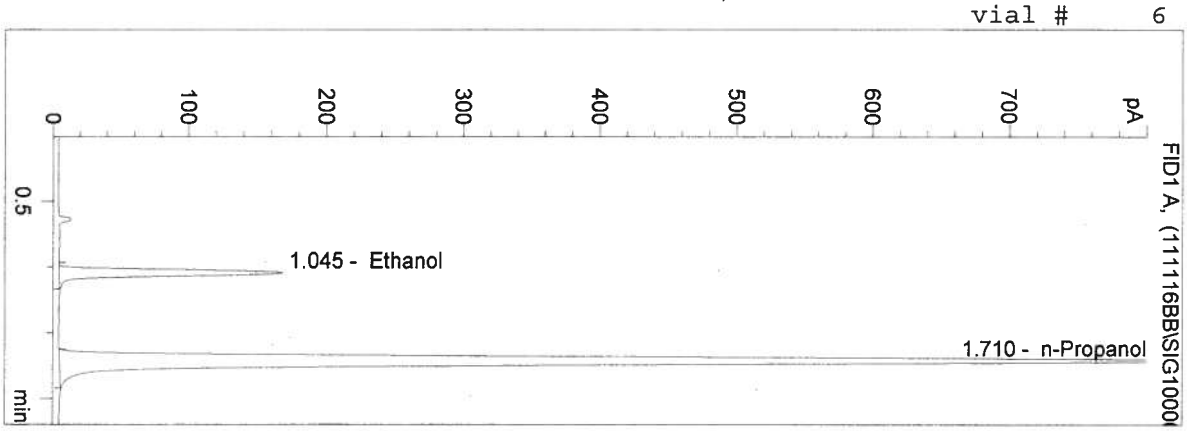
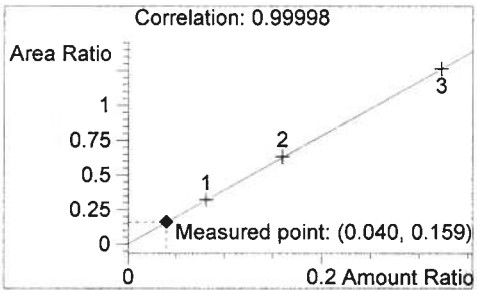
Instrument 1
DB-ALC1

0.04 CTRL BB
Brittany Ball

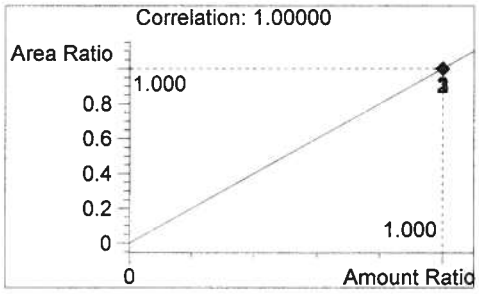
vial # 6



#	Compound	Area	RT
1	Ethanol	536	1.045
2	n-Propanol	3374	1.710
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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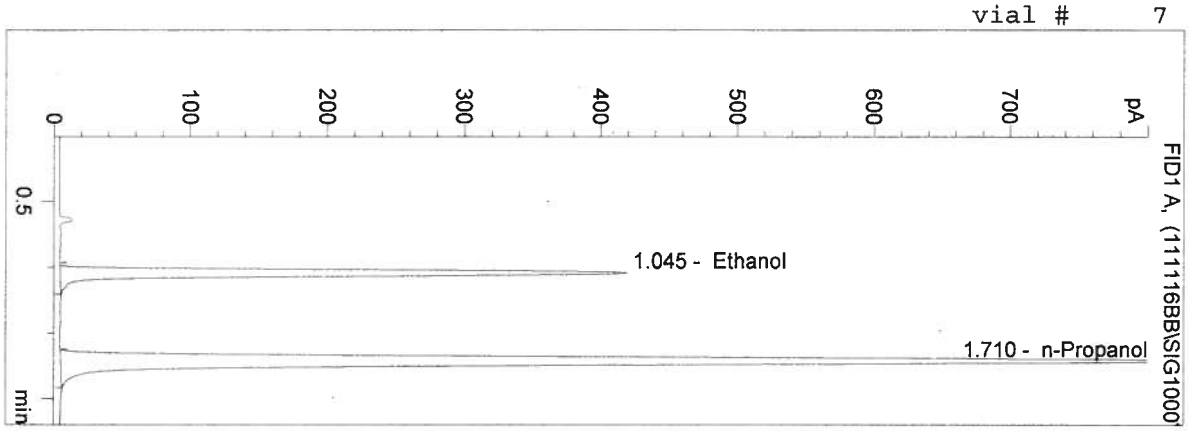
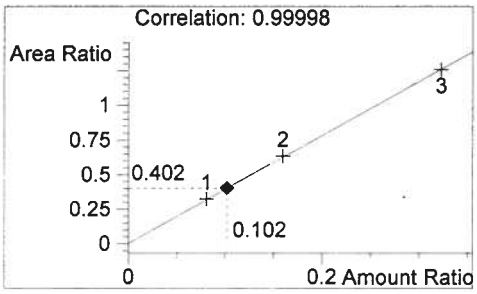
Instrument 1
DB-ALC1

0.10 CTRL BB
Brittany Ball

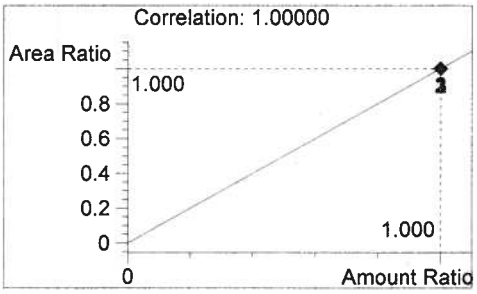
vial # 7



#	Compound	Area	RT
1	Ethanol	1359	1.045
2	n-Propanol	3379	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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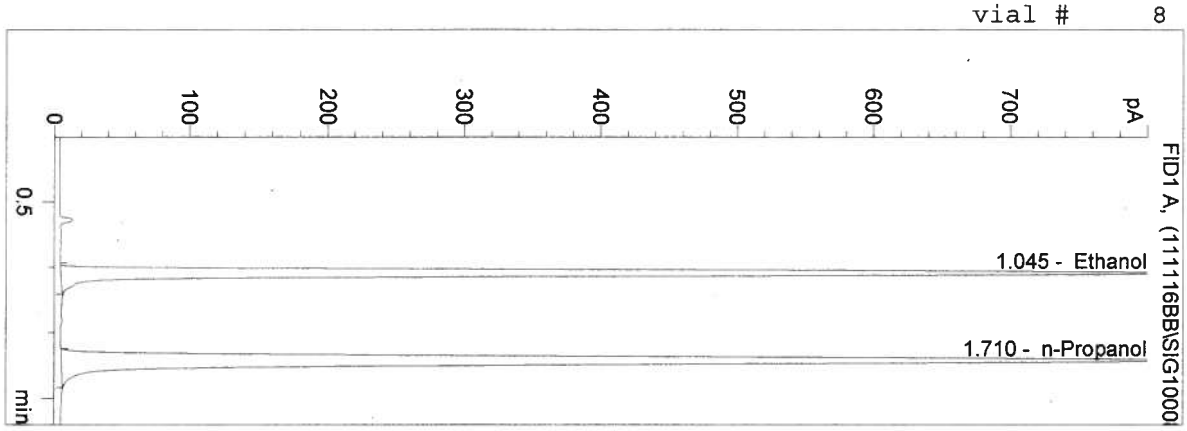
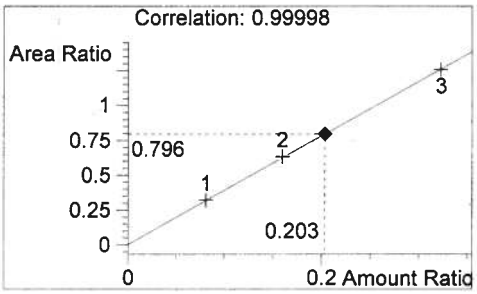
Instrument 1
DB-ALC1

0.20 CTRL BB
Brittany Ball

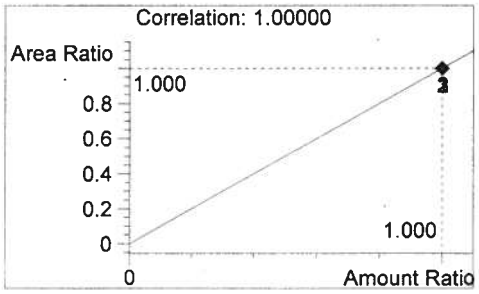
vial # 8



#	Compound	Area	RT
1	Ethanol	2653	1.045
2	n-Propanol	3335	1.710
Tot			



Ethanol 0.203 g/100 mL



n-Propanol 1.000 g/100 mL

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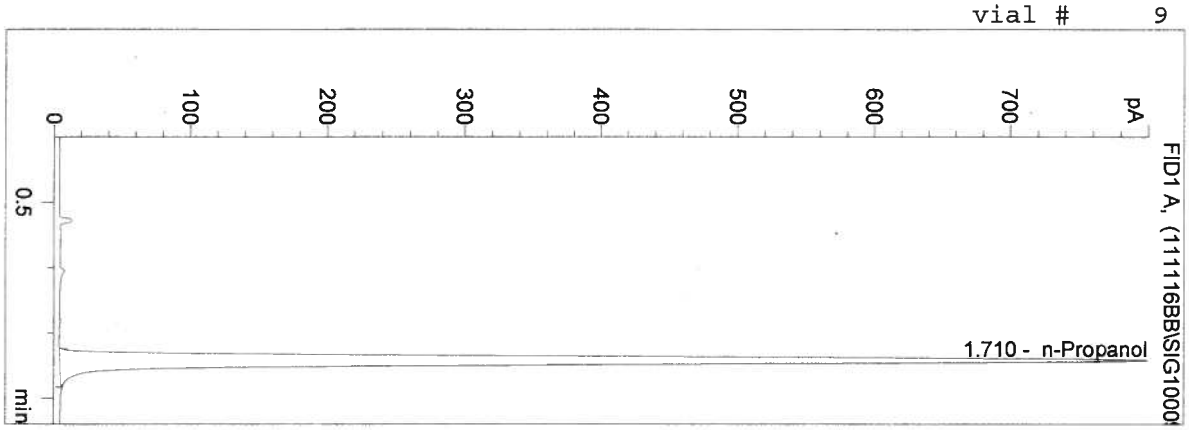
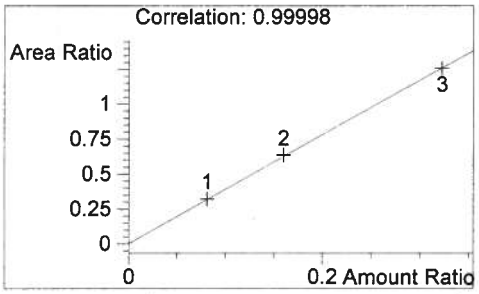
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

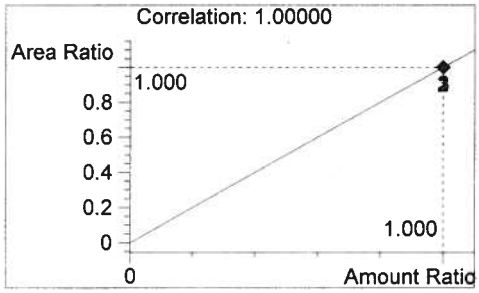
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3215	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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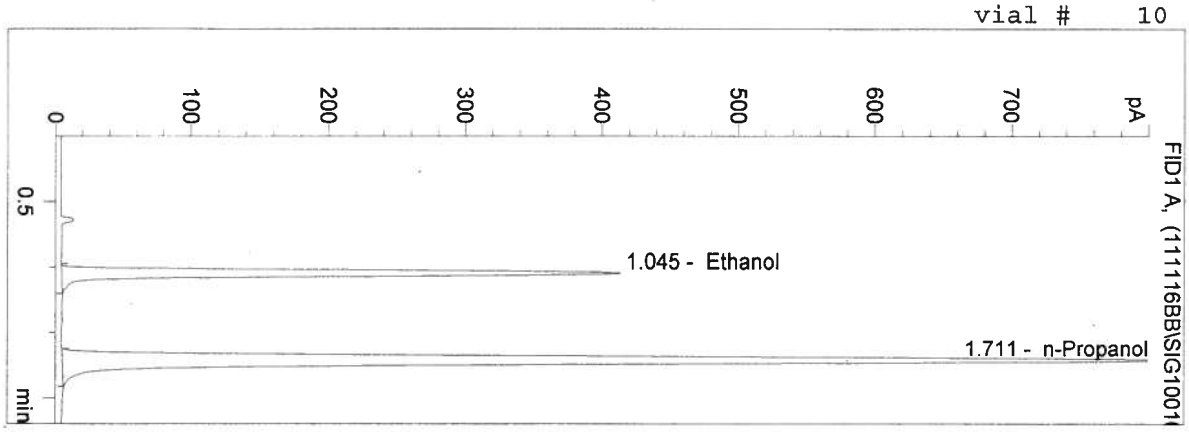
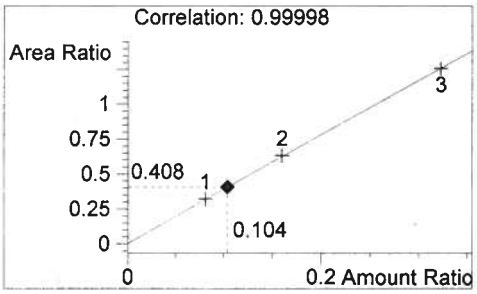
Instrument 1
DB-ALC1

11052-1
Brittany Ball

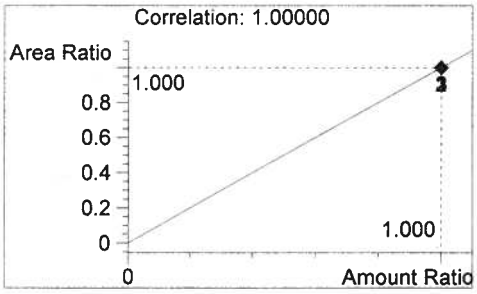
vial # 10



#	Compound	Area	RT
1	Ethanol	1339	1.045
2	n-Propanol	3283	1.711
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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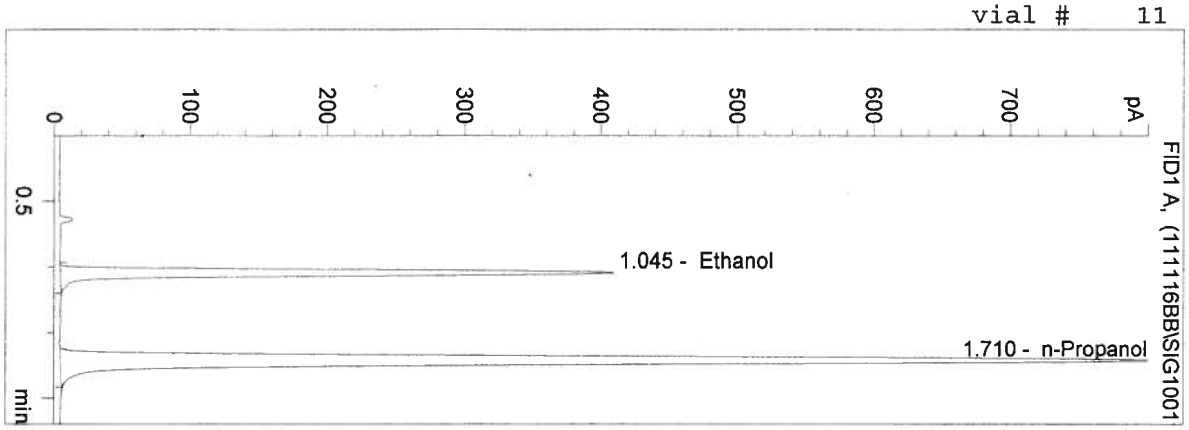
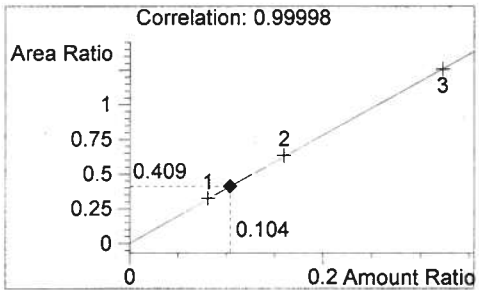
Instrument 1
DB-ALC1

11052-2
Brittany Ball

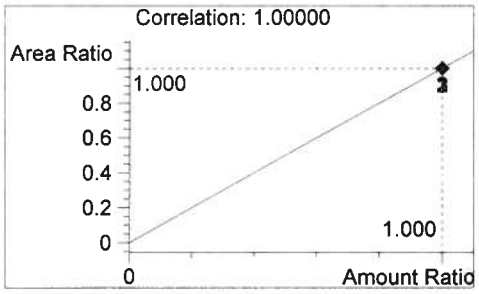
vial # 11



#	Compound	Area	RT
1	Ethanol	1328	1.045
2	n-Propanol	3250	1.710
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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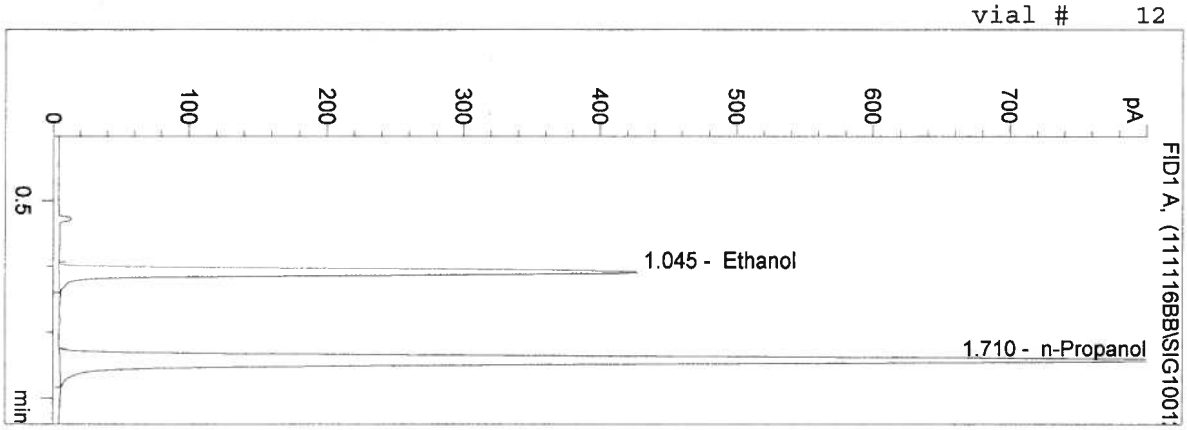
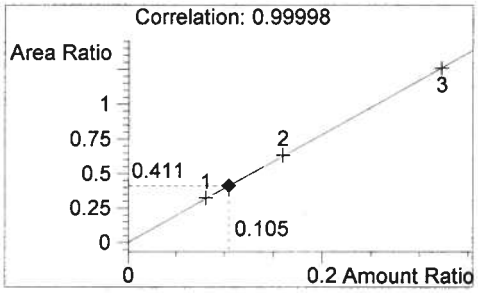
Instrument 1
DB-ALC1

11052-3
Brittany Ball

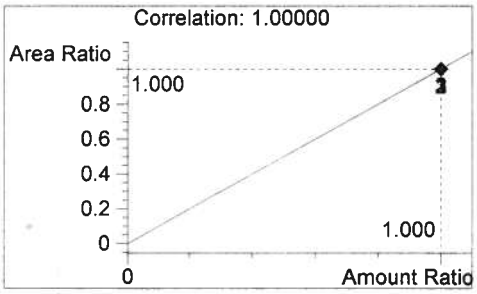
vial # 12



#	Compound	Area	RT
1	Ethanol	1382	1.045
2	n-Propanol	3364	1.710
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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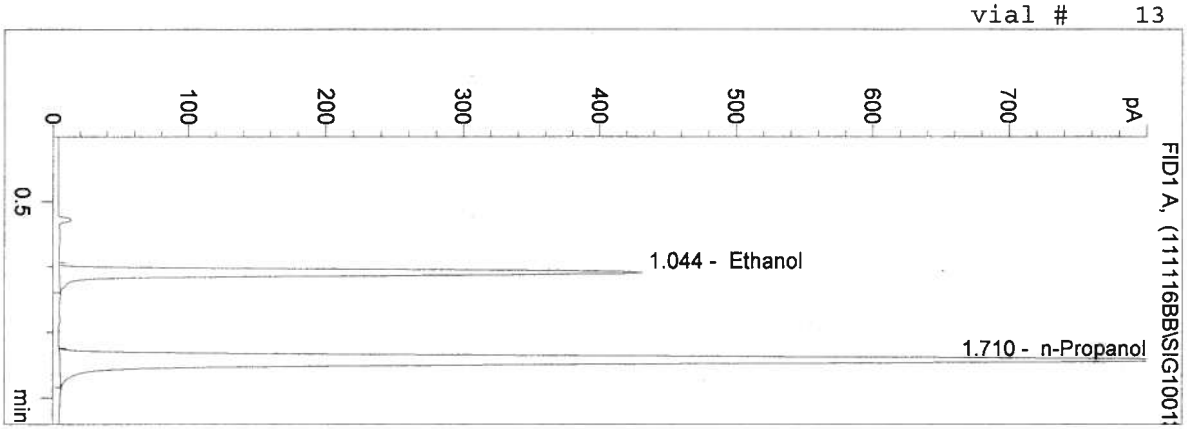
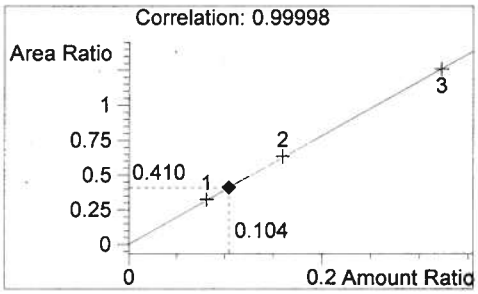
Instrument 1
DB-ALC1

11052-4
Brittany Ball

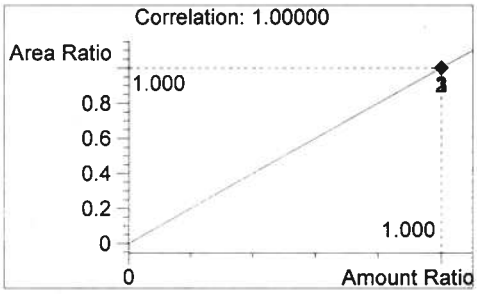
vial # 13



#	Compound	Area	RT
1	Ethanol	1396	1.044
2	n-Propanol	3407	1.710
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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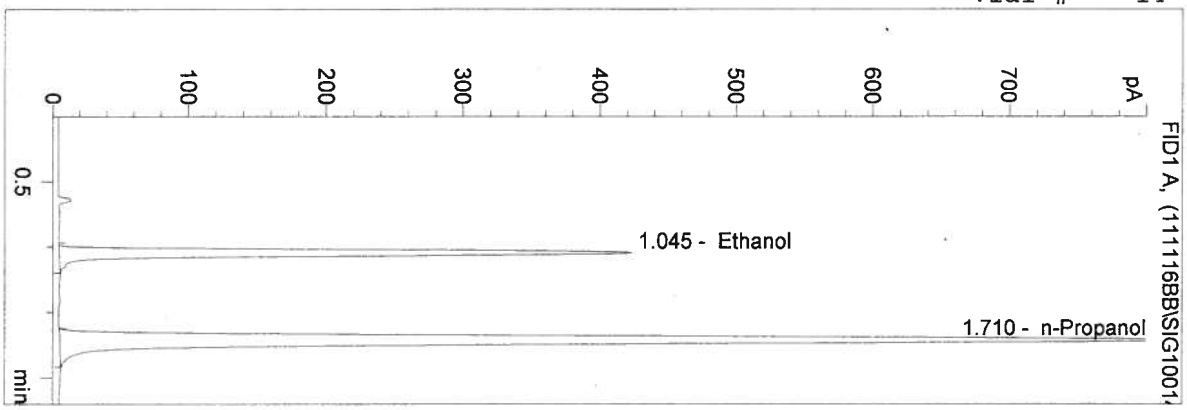
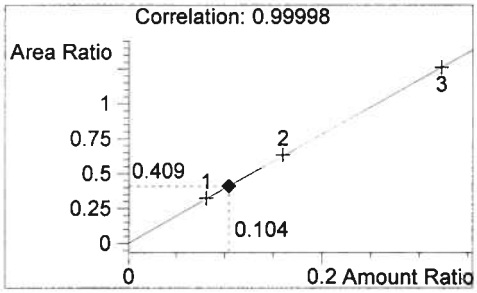
Instrument 1
DB-ALC1

11052-5
Brittany Ball

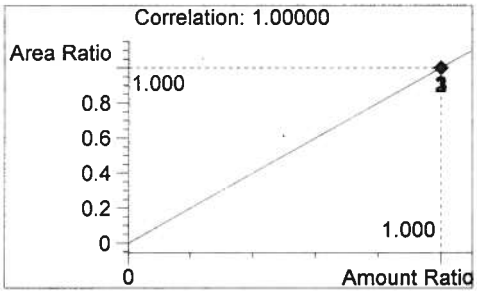
vial # 14



#	Compound	Area	RT
1	Ethanol	1372	1.045
2	n-Propanol	3352	1.710
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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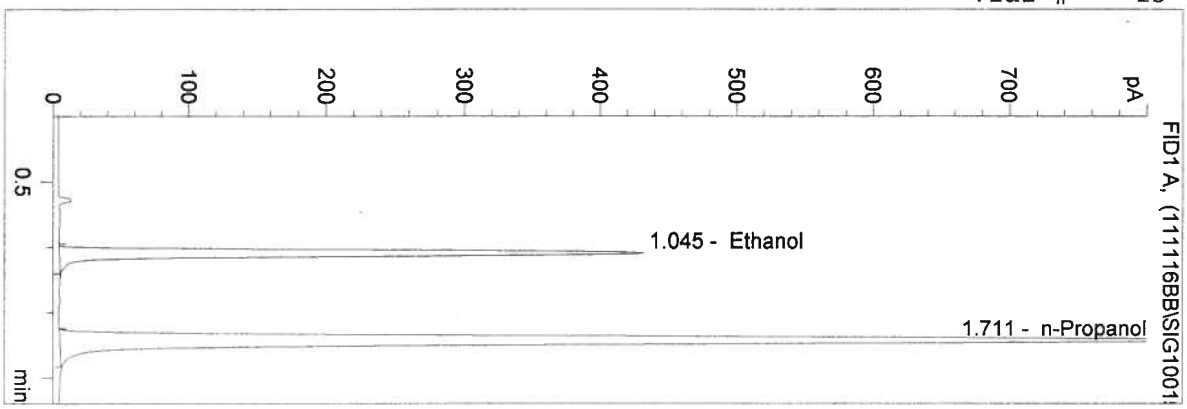
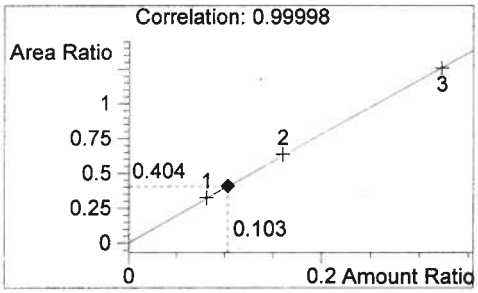
11/16/2011 3:05:45 PM
Instrument 1
DB-ALC1

0.10 CTRL BB
Brittany Ball

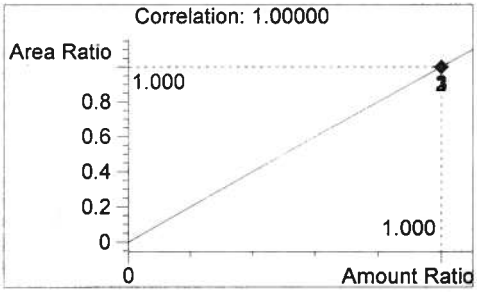
vial # 15



#	Compound	Area	RT
1	Ethanol	1407	1.045
2	n-Propanol	3485	1.711
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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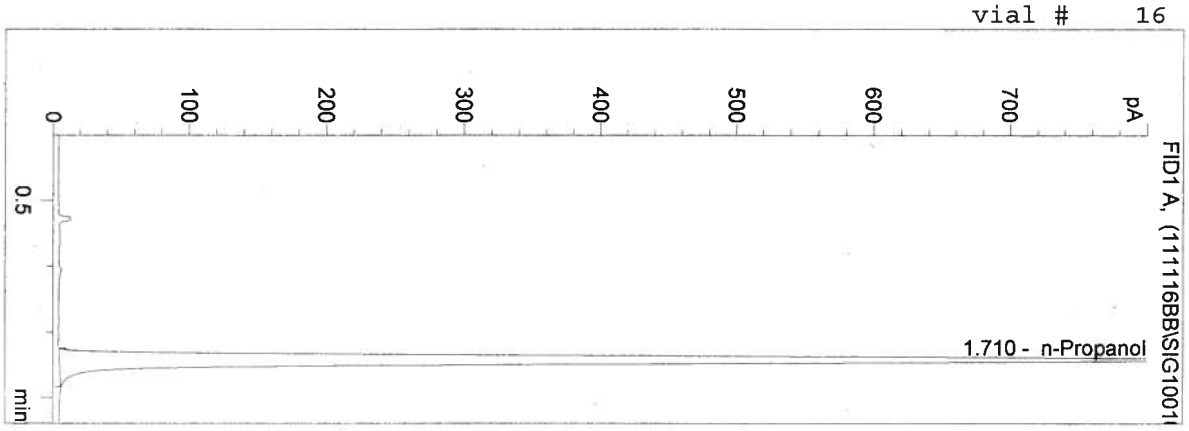
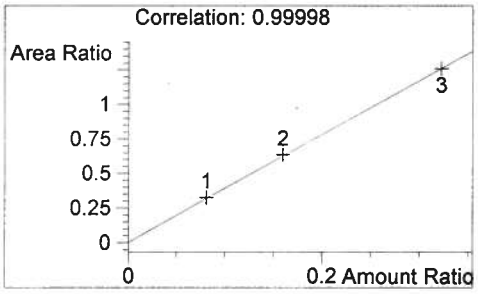
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

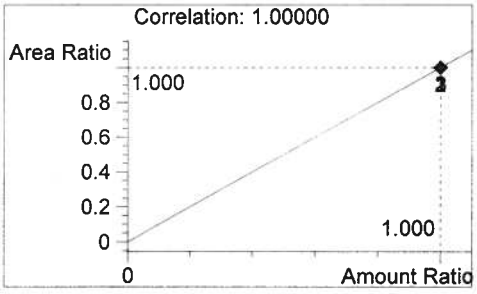
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3456	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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

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

Preparation Date: 11/8/11 Initials of Preparer: JK

Expiration Date: 11/8/12

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

Date the 200-proof Ethanol bottle was opened: 10/13/11

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	☑	11052

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 11-8-11 Date

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

Comments:

Analyst Signature 11-8-11 Date