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

An ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/16/2009

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 11004

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: 0.04 g/210L
DATE PREPARED: 02/09/2011
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Christie Mitchell

	CM	BB	BP
1	0.051	0.050	0.051
2	0.051	0.050	0.051
3	0.051	0.051	0.051
4	0.051	0.051	0.051
5	0.051	0.051	0.051
C	0.099	0.097	0.099

ETHANOL CONTROL INFORMATION
LOT NUMBER: A071132 EXPIRATION: 03/2014 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0509 g/100mL
STANDARD DEVIATION: 0.00035
PRECISION CV (%): 0.69
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0414 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0005 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

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

3-24-11
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
CM	Christie Mitchell	Christie Mitchell	02/09/2011
BB	Brittany Ball	Brittany Ball	02/11/2011
BP	Brianna Peterson	Brianna Peterson	03/14/2011

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
QAP Test Report Calculation Record

QAP Solution Batch #: 11004 **Date Prepared:** 2/9/2011

Analyst:	CM	BB	BP
Date Tested:	2/9/2011	2/11/2011	3/14/2011
Instrument:	HS#1	HS#1	HS#1
1	0.051	0.050	0.051
2	0.051	0.050	0.051
3	0.051	0.051	0.051
4	0.051	0.051	0.051
5	0.051	0.051	0.051
C	0.099	0.097	0.099

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000031900	0.0000459638	0.0001016326

Ethanol Control Lot #: A071132
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0509 g/100mL
Standard Deviation: 0.00035 g/100mL
Precision CV (%): 0.69
Equivalent Vapor Concentration: 0.0414 g/210L
Combined Standard Uncertainty (±): 0.0005 g/210L

Calculations performed by: Melissa L. Pemberton Melissa L. Pemberton 3-15-11
Name Signature Date

Calculations verified by: Jason Skleren [signature] March 21, 2011 Method: Hand Calculator
Name Signature Date

Tech. review performed by: Melissa L. Pemberton Melissa L. Pemberton 3-24-11
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV **Date:** MARCH 21, 2011

Location: WSP-FLSB; SEATTLE, WA **Solution Batch Number:** 11004

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

Comments:

Reviewer Signature: (SKLEROV) **Date:** MARCH 21, 2011

Reviewer Signature: N/A JAD 3/21/11 **Date:**

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Black		
Asa Louis		
Brian Capron		
Brianna Peterson	BP	3/15/11
Brianne O'Reilly		
Brittany Ball	BB	3/15/11
Christie Mitchell	CM	3/15/11
Christopher Johnston		
Dawn Cox		
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 11004

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 0.04 QAP SOLUTION CERTIFICATION FOR LOT 11004

I, Christie Mitchell, 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: BA degree in Chemistry, MFS degree in Forensic Science, and over three years experience in forensic toxicology.

The qap solution, Lot Number 11004, was prepared in the Washington State Toxicology Laboratory on 2/9/2011. 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 shall not be used to perform a quality assurance procedure after 2/9/2012.

Seattle, WA

Christie Mitchell 3/15/2011

Christie Mitchell Date

Forensic Toxicologist

CM/ik

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 0.04 QAP SOLUTION CERTIFICATION FOR LOT 11004

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 qap solution, Lot Number 11004, was prepared in the Washington State Toxicology Laboratory on 2/9/2011. 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 shall not be used to perform a quality assurance procedure after 2/9/2012.

Seattle, WA

Brittany Ball 3/15/11

Brittany Ball Date

Forensic Toxicologist

BB/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
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DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 11004

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 qap solution, Lot Number 11004, was prepared in the Washington State Toxicology Laboratory on 2/9/2011. 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 shall not be used to perform a quality assurance procedure after 2/9/2012.

Seattle, WA

Brianna Peterson 3/15/11

Brianna Peterson Date

Forensic Toxicologist

BP/ik

Sequence Parameters:

Operator:	Christie Mitchell
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:	110209CM
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 # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

Calibration + controls filed with 11004 data
CM
2/9/11

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 CTRL - CM	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - CM	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL -CM	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
10	Vial 10	11004 #1	SIMALC1	1	Sample		
11	Vial 11	11004 #2	SIMALC1	1	Sample		
12	Vial 12	11004 #3	SIMALC1	1	Sample		
13	Vial 13	11004 #4	SIMALC1	1	Sample		
14	Vial 14	11004 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
17	Vial 17	11005 #1	SIMALC1	1	Sample		
18	Vial 18	11005 #2	SIMALC1	1	Sample		
19	Vial 19	11005 #3	SIMALC1	1	Sample		
20	Vial 20	11005 #4	SIMALC1	1	Sample		
21	Vial 21	11005 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
24	Vial 24	11006 #1	SIMALC1	1	Sample		
25	Vial 25	11006 #2	SIMALC1	1	Sample		
26	Vial 26	11006 #3	SIMALC1	1	Sample		
27	Vial 27	11006 #4	SIMALC1	1	Sample		
28	Vial 28	11006 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
31	Vial 31	11007 #1	SIMALC1	1	Sample		
32	Vial 32	11007 #2	SIMALC1	1	Sample		

CM

11004
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Sequence: C:\HPCHEM\1\SEQUENCE\CMQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	11007 #3	SIMALC1	1	Sample		
34	Vial 34	11007 #4	SIMALC1	1	Sample		
35	Vial 35	11007 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL - CM	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!

CM

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WASHINGTON STATE TOXICOLOGY LABORATORY

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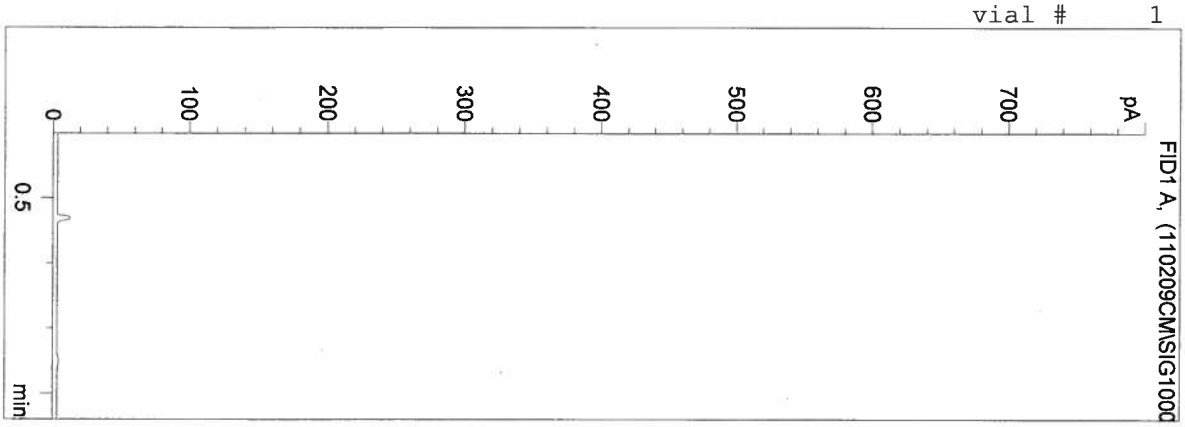
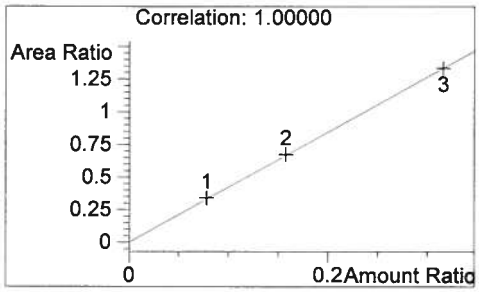
2/9/2011 10:28:01 AM
Instrument 1
DB-ALC1

BLANK
Christie Mitchell

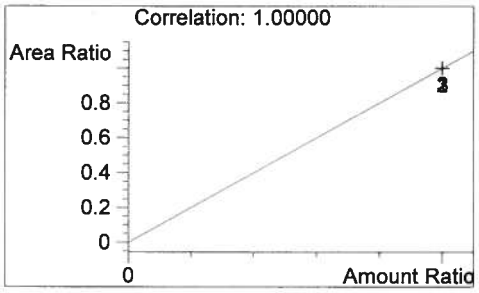
vial # 1



#	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

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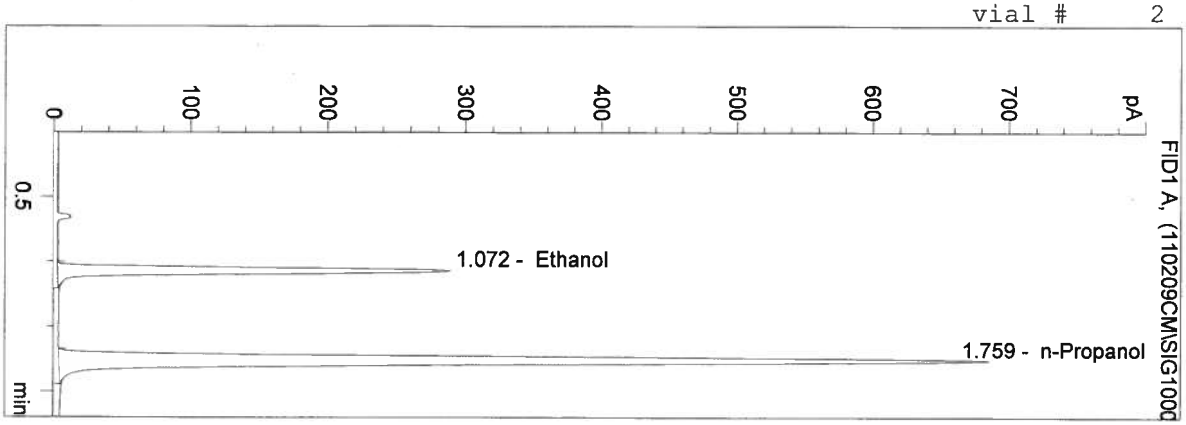
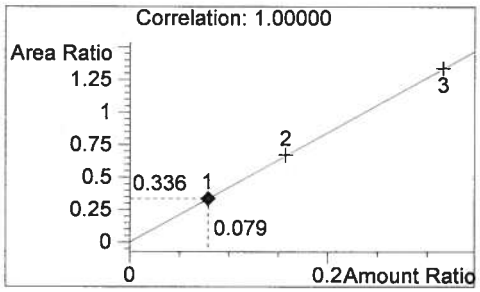
2/9/2011 10:31:06 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Christie Mitchell

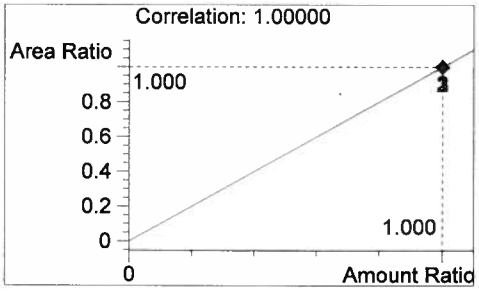
vial # 2



#	Compound	Area	RT
1	Ethanol	912	1.072
2	n-Propanol	2716	1.759
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

CM

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WASHINGTON STATE TOXICOLOGY LABORATORY

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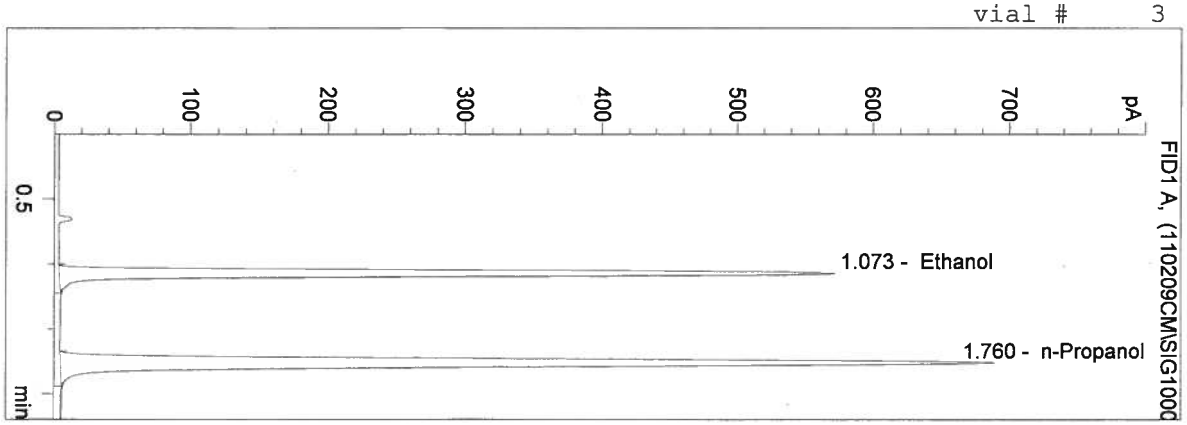
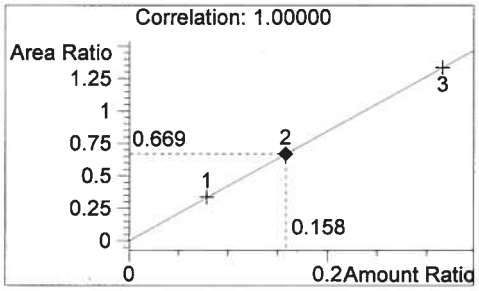
2/9/2011 10:34:11 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Christie Mitchell

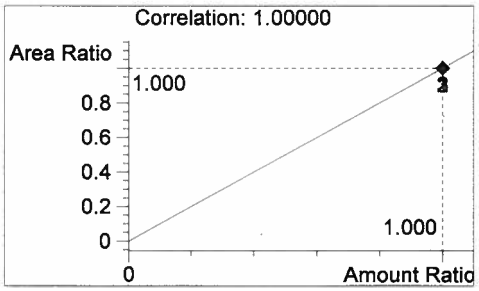
vial # 3



#	Compound	Area	RT
1	Ethanol	1838	1.073
2	n-Propanol	2746	1.760
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

CM

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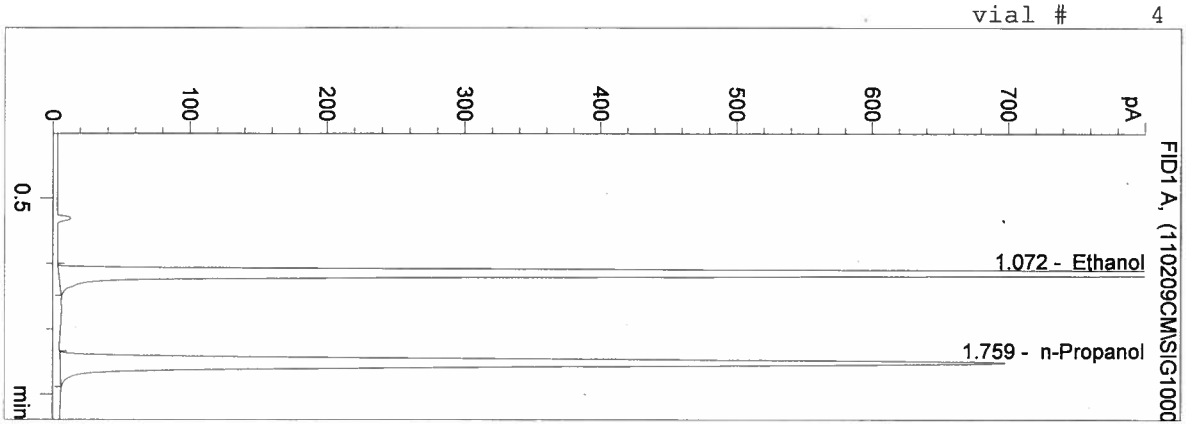
WASHINGTON STATE TOXICOLOGY LABORATORY

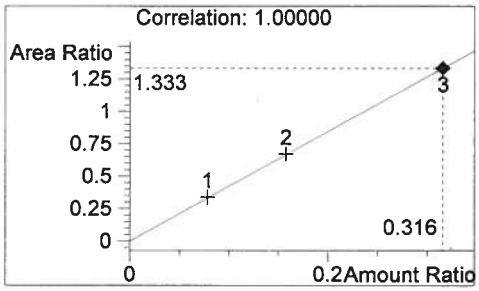
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 10:37:15 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Christie Mitchell

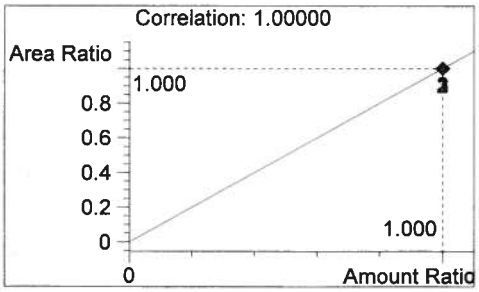
vial # 4



#	Compound	Area	RT
1	Ethanol	3694	1.072
2	n-Propanol	2772	1.759
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

CM

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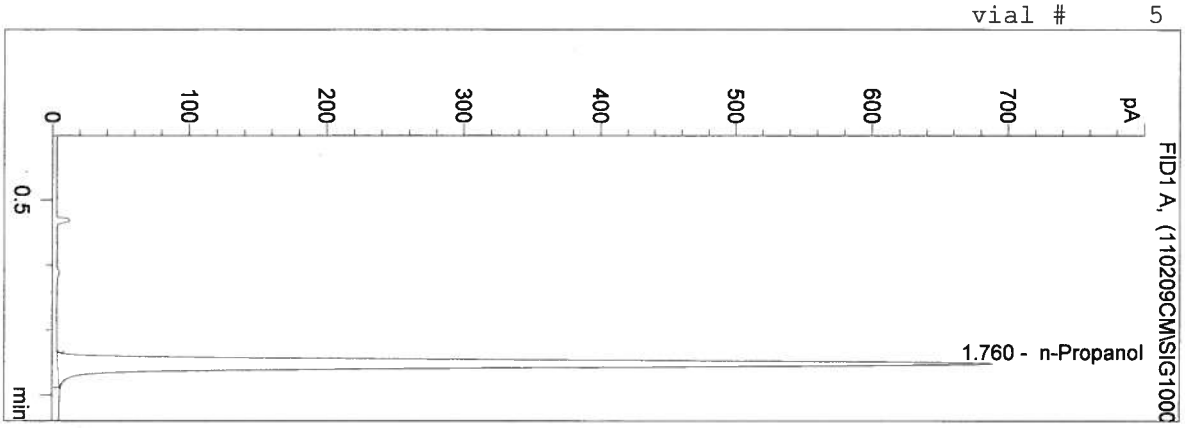
WASHINGTON STATE TOXICOLOGY LABORATORY

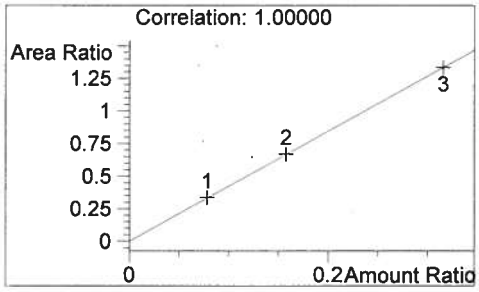
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 10:40:20 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell

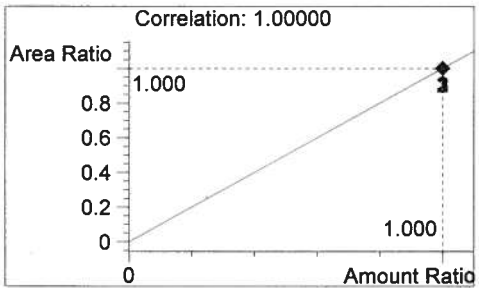
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2739	1.760
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CM

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WASHINGTON STATE TOXICOLOGY LABORATORY

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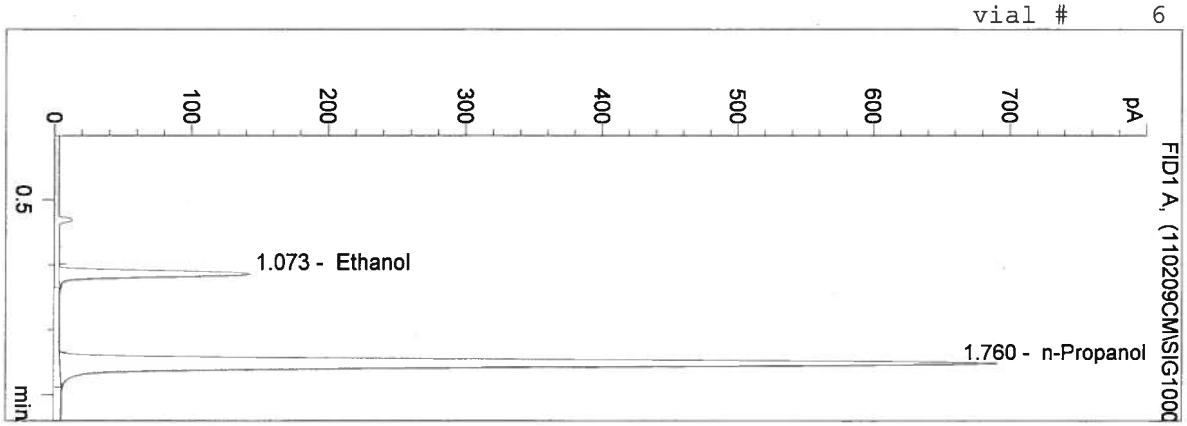
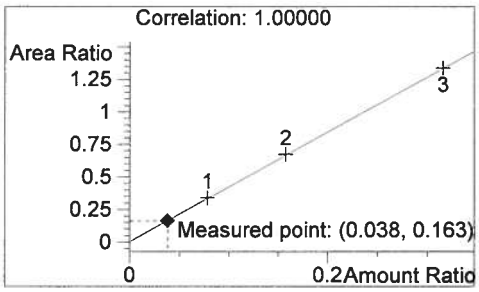
2/9/2011 10:43:25 AM
Instrument 1
DB-ALC1

0.04 CTRL - CM
Christie Mitchell

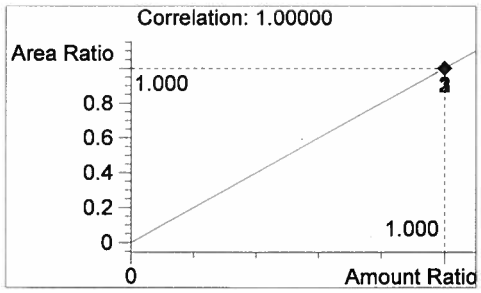
vial # 6



#	Compound	Area	RT
1	Ethanol	447	1.073
2	n-Propanol	2748	1.760
Tot			



Ethanol 0.038 g/100 mL



n-Propanol 1.000 g/100 mL

CM

11004
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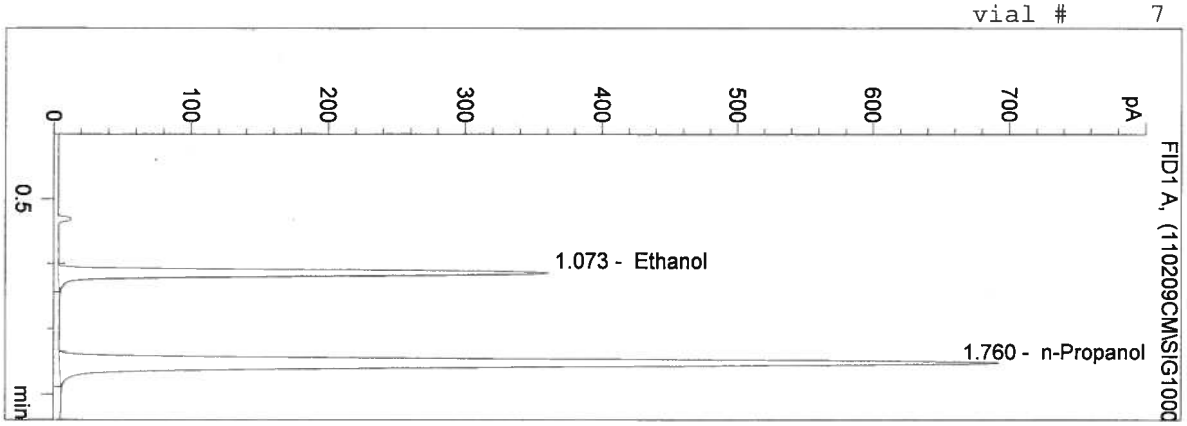
WASHINGTON STATE TOXICOLOGY LABORATORY

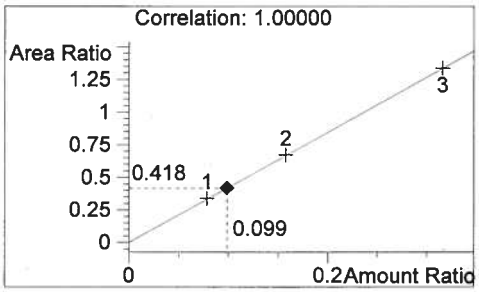
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 10:46:29 AM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell

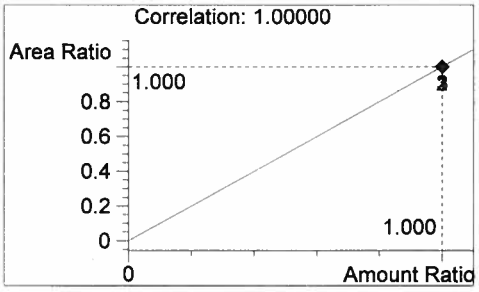
vial # 7



#	Compound	Area	RT
1	Ethanol	1155	1.073
2	n-Propanol	2762	1.760
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

CM

11004

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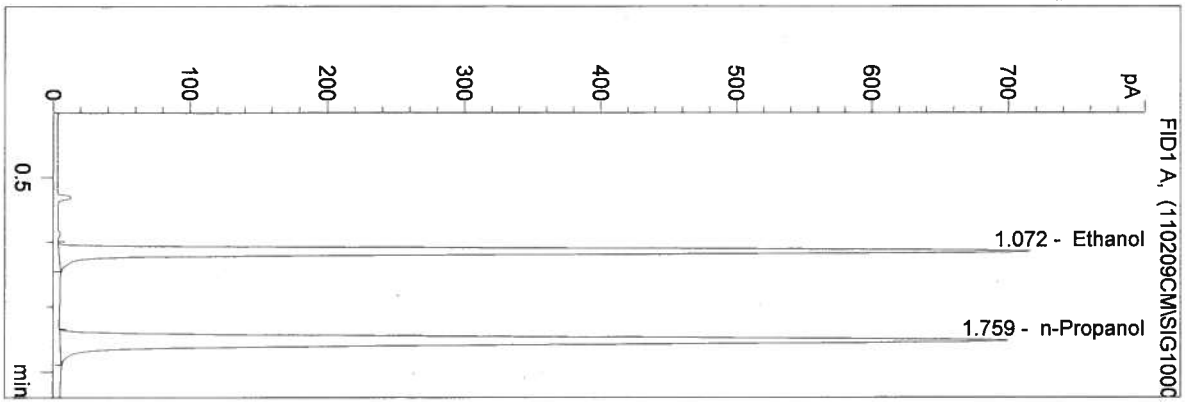
WASHINGTON STATE TOXICOLOGY LABORATORY

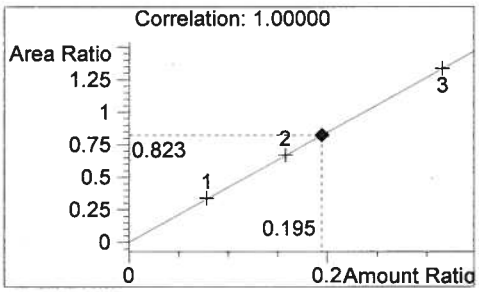
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 10:49:34 AM
Instrument 1
DB-ALC1

0.20 CTRL -CM
Christie Mitchell

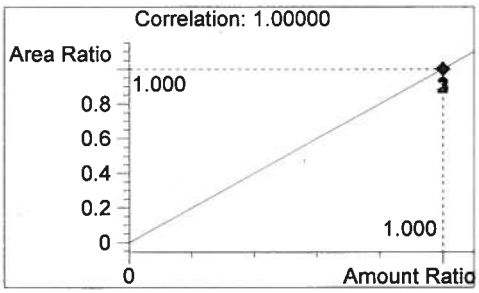
vial # 8



#	Compound	Area	RT
1	Ethanol	2287	1.072
2	n-Propanol	2779	1.759
Tot			



Ethanol 0.195 g/100 mL



n-Propanol 1.000 g/100 mL

CM

11004
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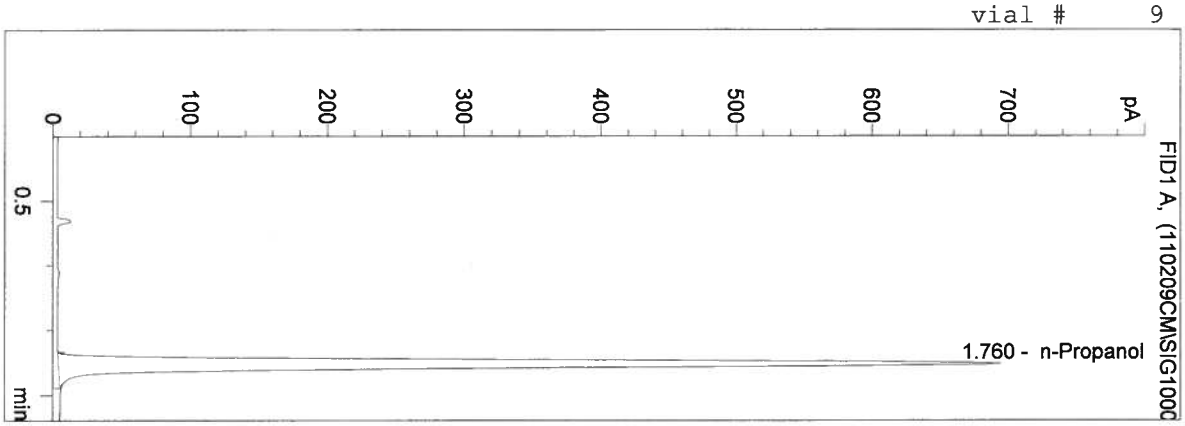
WASHINGTON STATE TOXICOLOGY LABORATORY

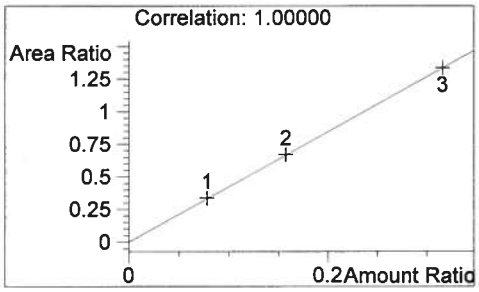
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 10:52:39 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell

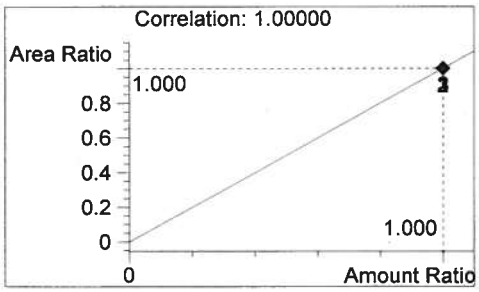
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2767	1.760
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CM

11004
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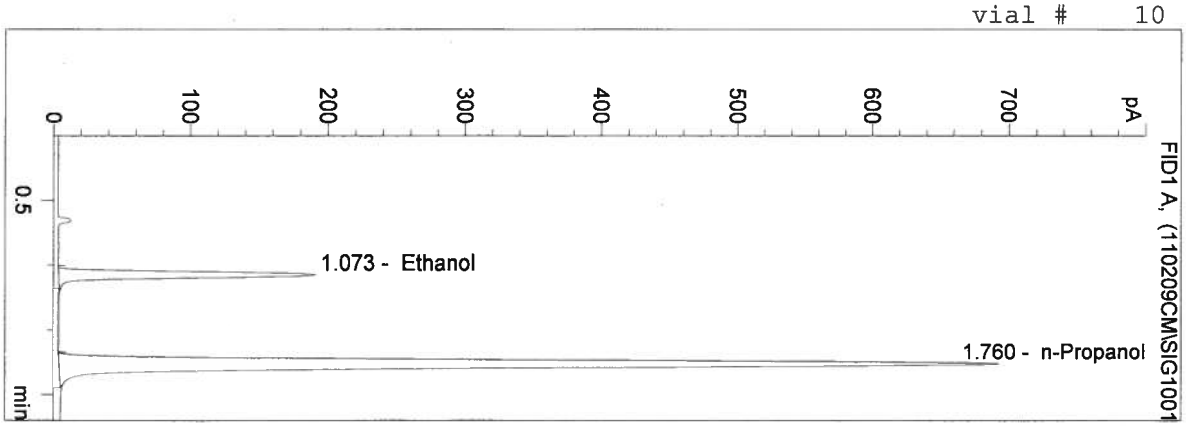
WASHINGTON STATE TOXICOLOGY LABORATORY

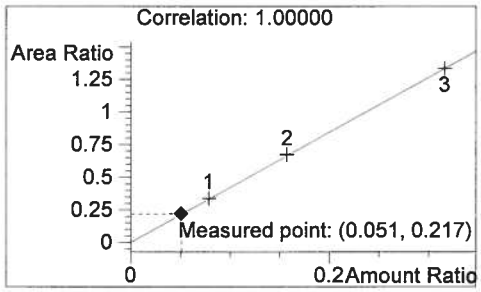
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 10:55:44 AM
Instrument 1
DB-ALC1

11004 #1
Christie Mitchell

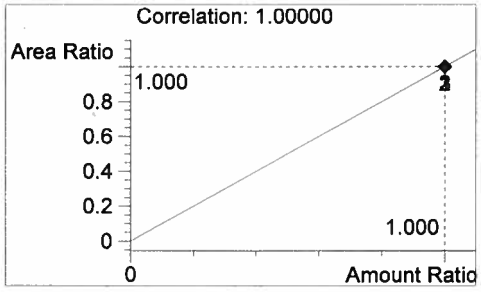
vial # 10



#	Compound	Area	RT
1	Ethanol	600	1.073
2	n-Propanol	2760	1.760
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

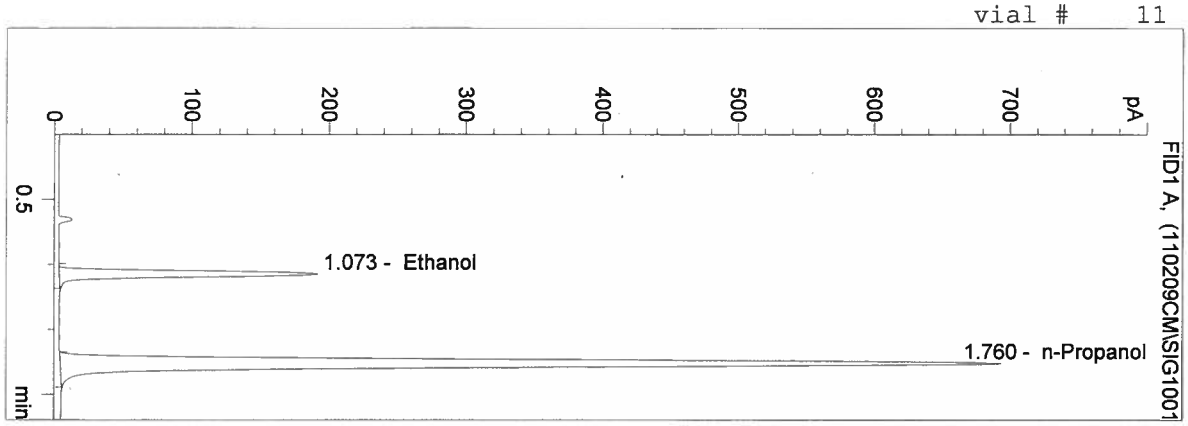
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

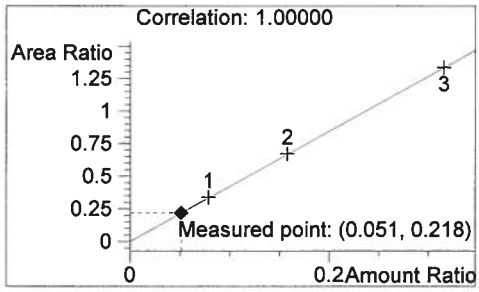
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 10:58:48 AM
Instrument 1
DB-ALC1

11004 #2
Christie Mitchell

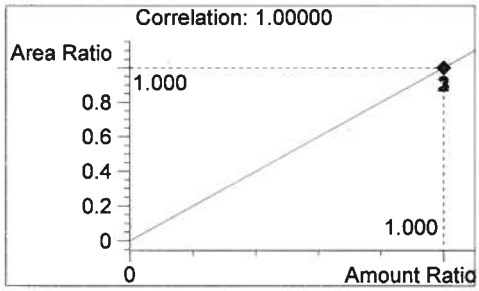
vial # 11



#	Compound	Area	RT
1	Ethanol	605	1.073
2	n-Propanol	2770	1.760
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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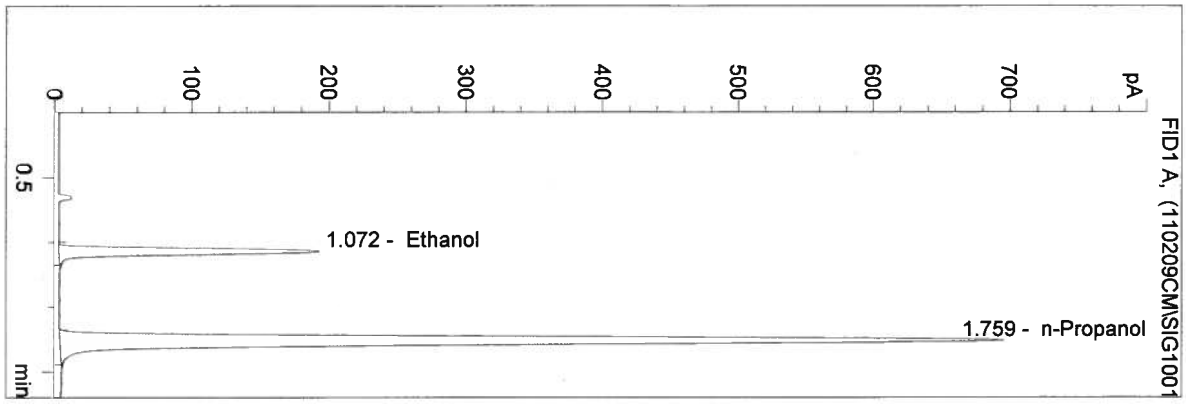
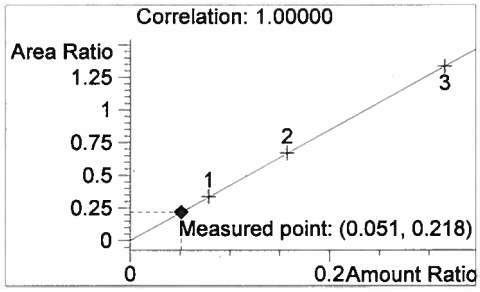
2/9/2011 11:01:53 AM
Instrument 1
DB-ALC1

11004 #3
Christie Mitchell

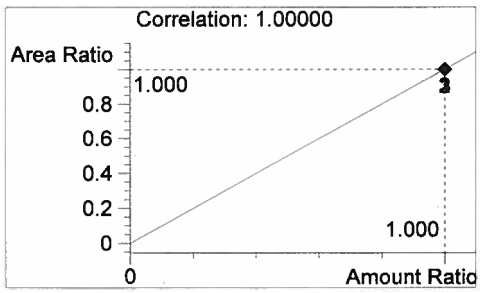
vial # 12



#	Compound	Area	RT
1	Ethanol	601	1.072
2	n-Propanol	2765	1.759
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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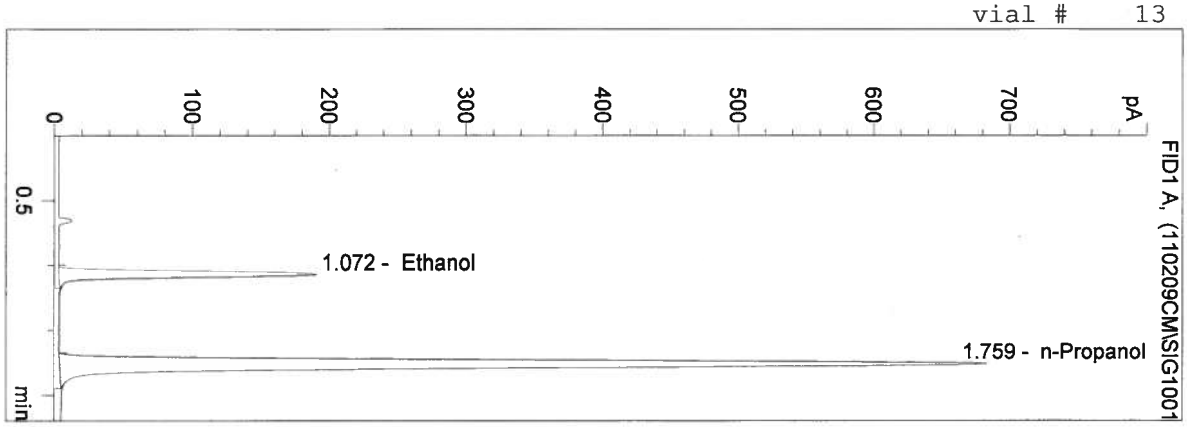
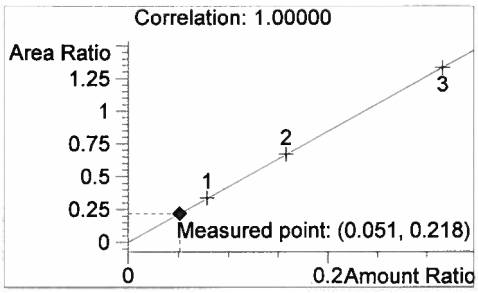
2/9/2011 11:04:58 AM
Instrument 1
DB-ALC1

11004 #4
Christie Mitchell

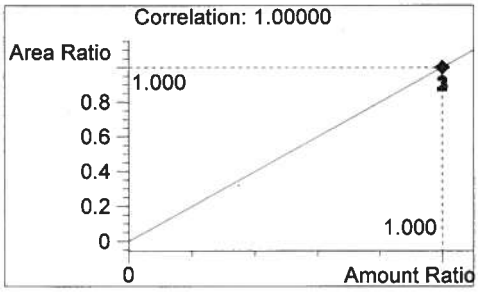
vial # 13



#	Compound	Area	RT
1	Ethanol	593	1.072
2	n-Propanol	2717	1.759
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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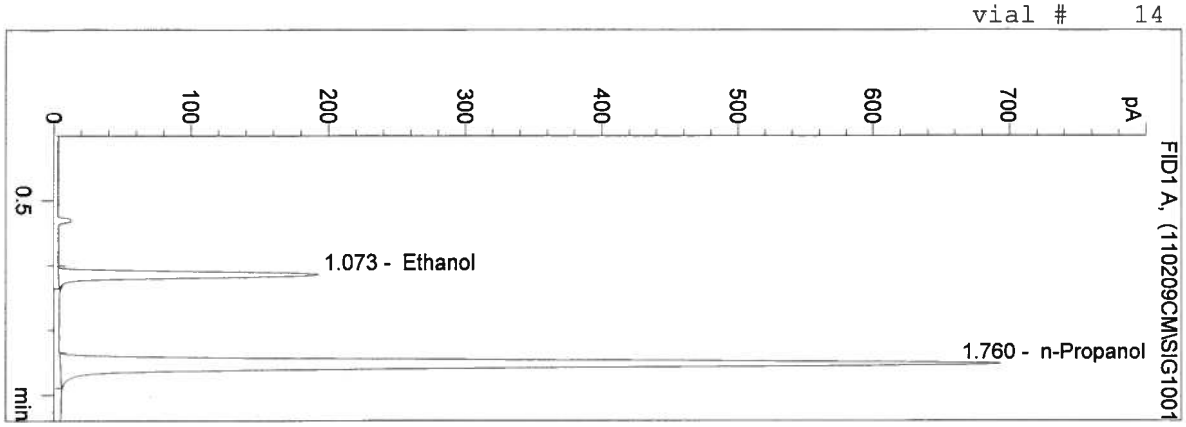
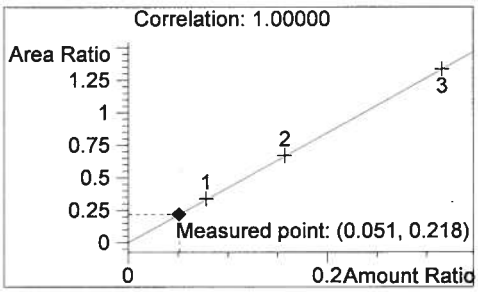
2/9/2011 11:08:03 AM
Instrument 1
DB-ALC1

11004 #5
Christie Mitchell

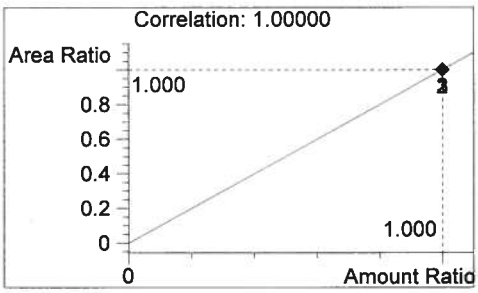
vial # 14



#	Compound	Area	RT
1	Ethanol	605	1.073
2	n-Propanol	2771	1.760
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

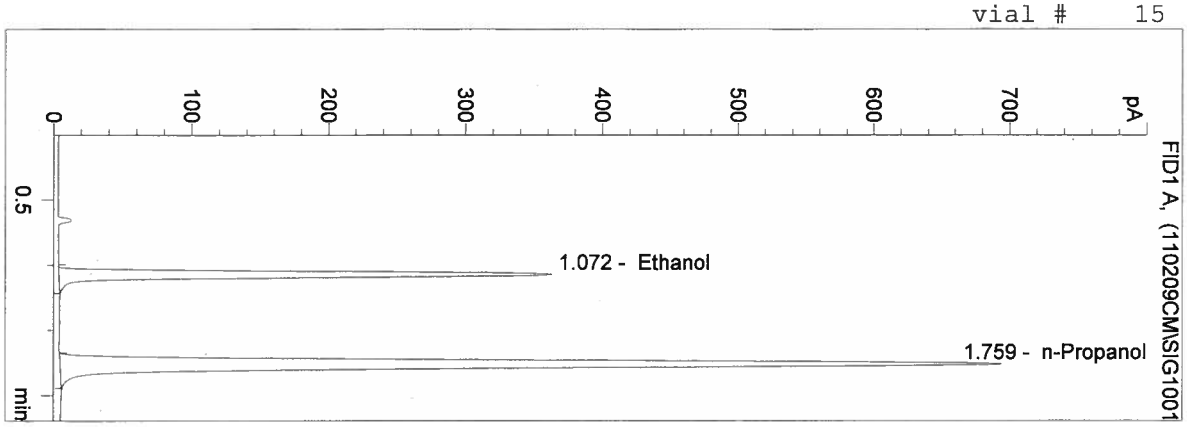
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

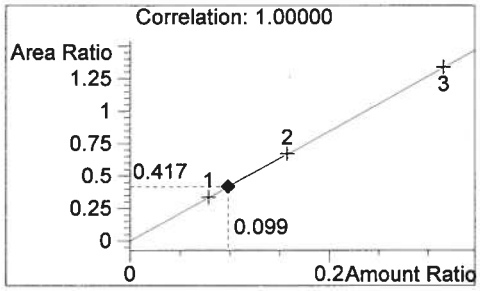
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 11:11:08 AM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell

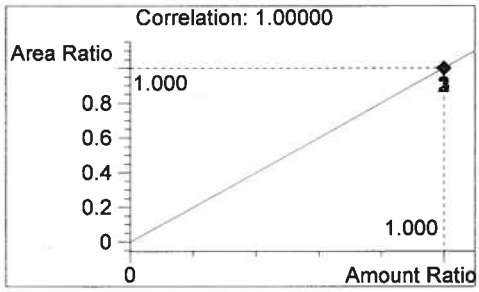
vial # 15



#	Compound	Area	RT
1	Ethanol	1151	1.072
2	n-Propanol	2758	1.759
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

CM

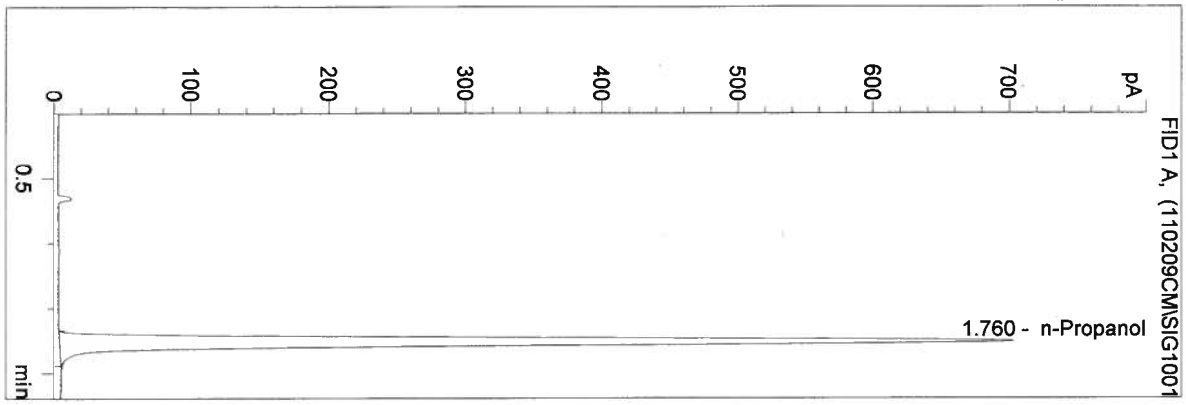
11004

WASHINGTON STATE TOXICOLOGY LABORATORY

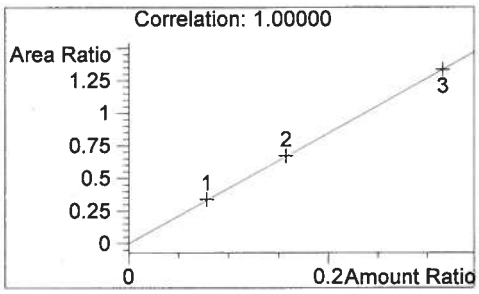
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 11:14:12 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell

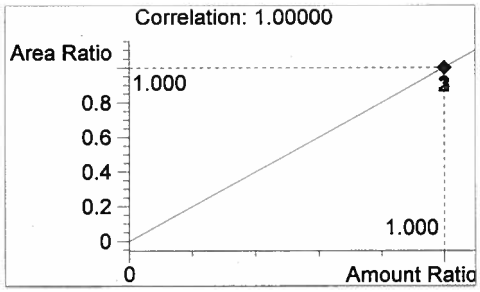
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2798	1.760
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CM

11004

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:	110211BB
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 # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

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 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	QAP0.04 11004 #1	SIMALC1	1	Sample		
11	Vial 11	QAP0.04 11004 #2	SIMALC1	1	Sample		
12	Vial 12	QAP0.04 11004 #3	SIMALC1	1	Sample		
13	Vial 13	QAP0.04 11004 #4	SIMALC1	1	Sample		
14	Vial 14	QAP0.04 11004 #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		
17	Vial 17	QAP0.08 11005 #1	SIMALC1	1	Sample		
18	Vial 18	QAP0.08 11005 #2	SIMALC1	1	Sample		
19	Vial 19	QAP0.08 11005 #3	SIMALC1	1	Sample		
20	Vial 20	QAP0.08 11005 #4	SIMALC1	1	Sample		
21	Vial 21	QAP0.08 11005 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL-BB	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL-BB	SIMALC1	1	Ctrl Samp		
24	Vial 24	QAP0.10 11006 #1	SIMALC1	1	Sample		
25	Vial 25	QAP0.10 11006 #2	SIMALC1	1	Sample		
26	Vial 26	QAP0.10 11006 #3	SIMALC1	1	Sample		
27	Vial 27	QAP0.10 11006 #4	SIMALC1	1	Sample		
28	Vial 28	QAP0.10 11006 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL-BB	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL-BB	SIMALC1	1	Ctrl Samp		
31	Vial 31	QAP0.15 11007 #1	SIMALC1	1	Sample		
32	Vial 32	QAP0.15 11007 #2	SIMALC1	1	Sample		

BB

11004
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11007

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP0.15 11007 #3	SIMALC1	1	Sample		
34	Vial 34	QAP0.15 11007 #4	SIMALC1	1	Sample		
35	Vial 35	QAP0.15 11007 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL-BB	SIMALC1	1	Ctrl Samp		
37	Vial 37	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 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!

BB

11004

11005

11006

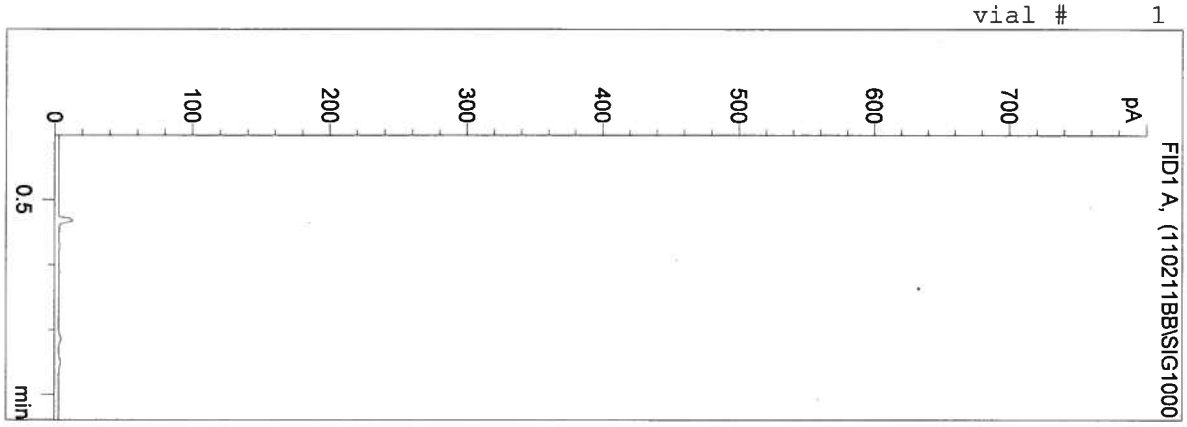
11007

WASHINGTON STATE TOXICOLOGY LABORATORY

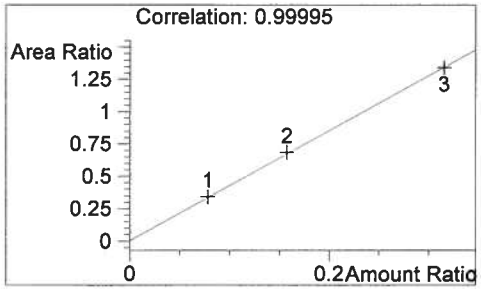
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 1:57:41 PM
Instrument 1
DB-ALC1

BLANK
Brittany Ball

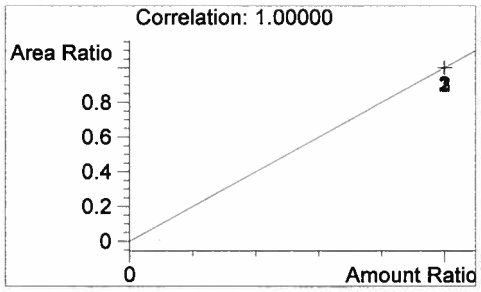
vial # 1



#	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

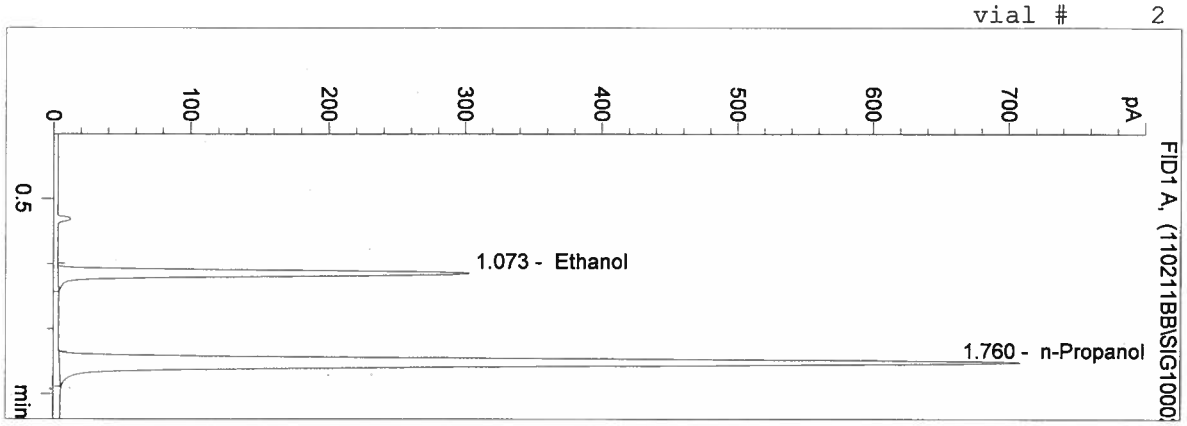
BB

11004
11005
11006
11007

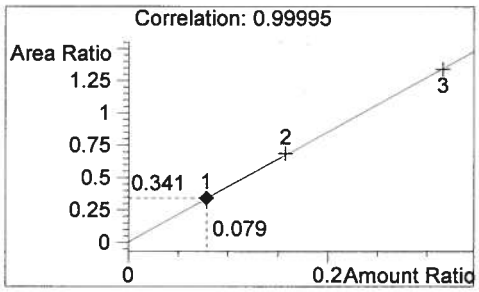
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:00:45 PM
Instrument 1
DB-ALC1

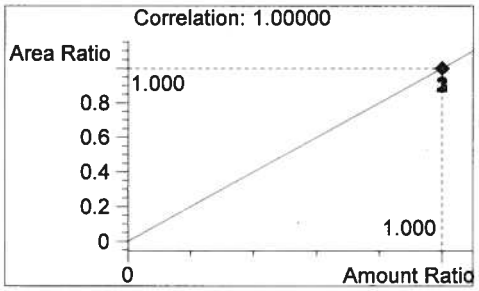
0.079 CAL 1
Brittany Ball
vial # 2



#	Compound	Area	RT
1	Ethanol	962	1.073
2	n-Propanol	2823	1.760
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

BB

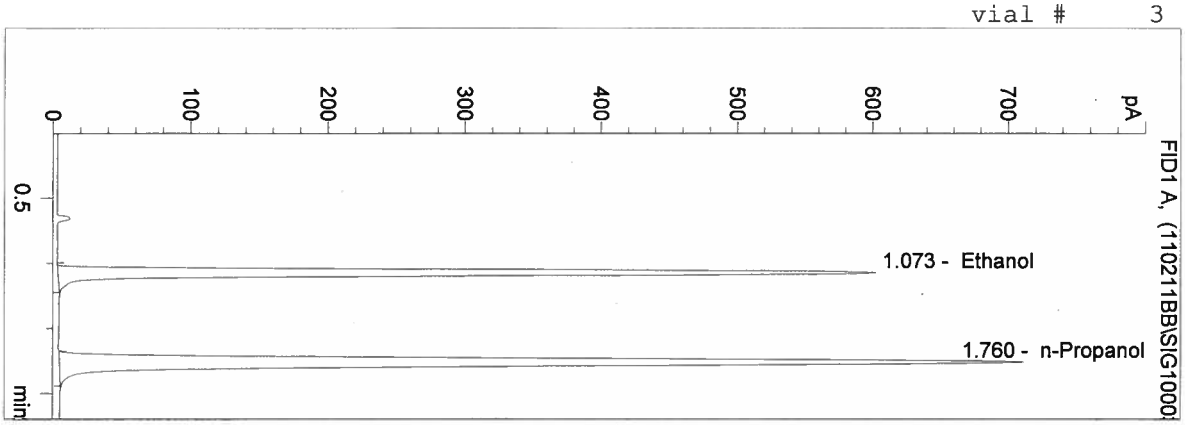
11004
11005
11006
11007

WASHINGTON STATE TOXICOLOGY LABORATORY

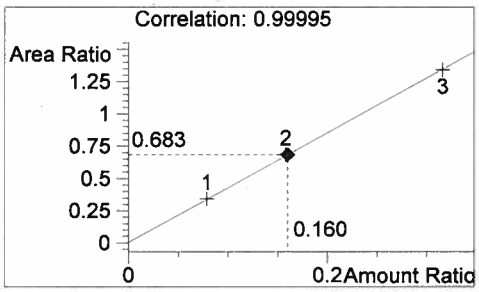
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:03:50 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Brittany Ball

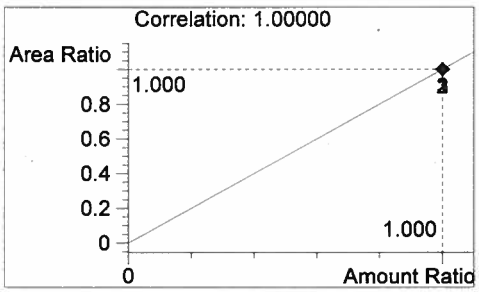
vial # 3



#	Compound	Area	RT
1	Ethanol	1932	1.073
2	n-Propanol	2828	1.760
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

BB

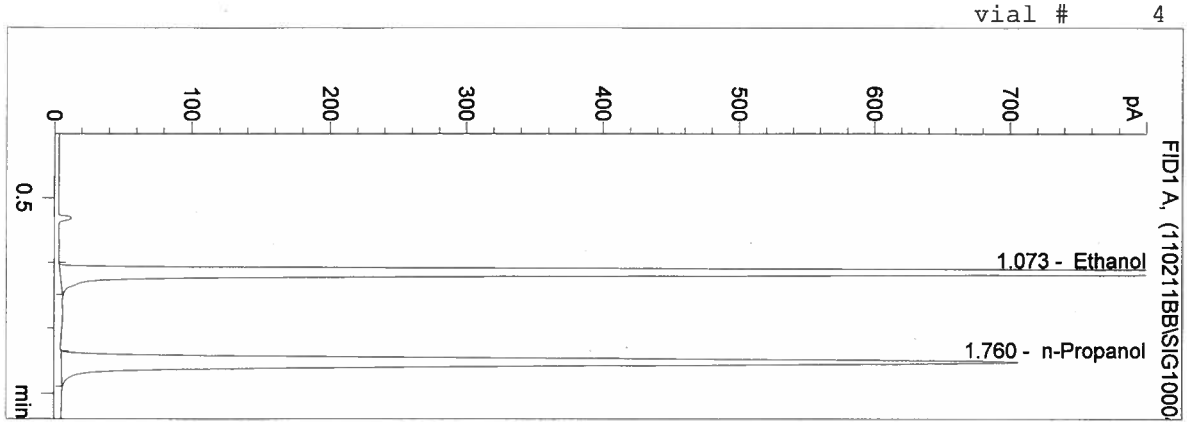
11004
11005
11006
11007

WASHINGTON STATE TOXICOLOGY LABORATORY

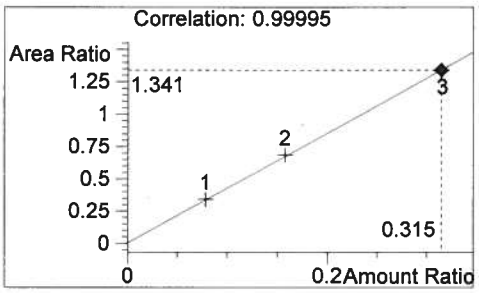
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:06:55 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Brittany Ball

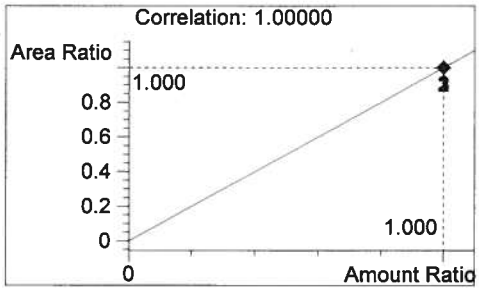
vial # 4



#	Compound	Area	RT
1	Ethanol	3768	1.073
2	n-Propanol	2810	1.760
Tot			



Ethanol 0.315 g/100 mL



n-Propanol 1.000 g/100 mL

BB

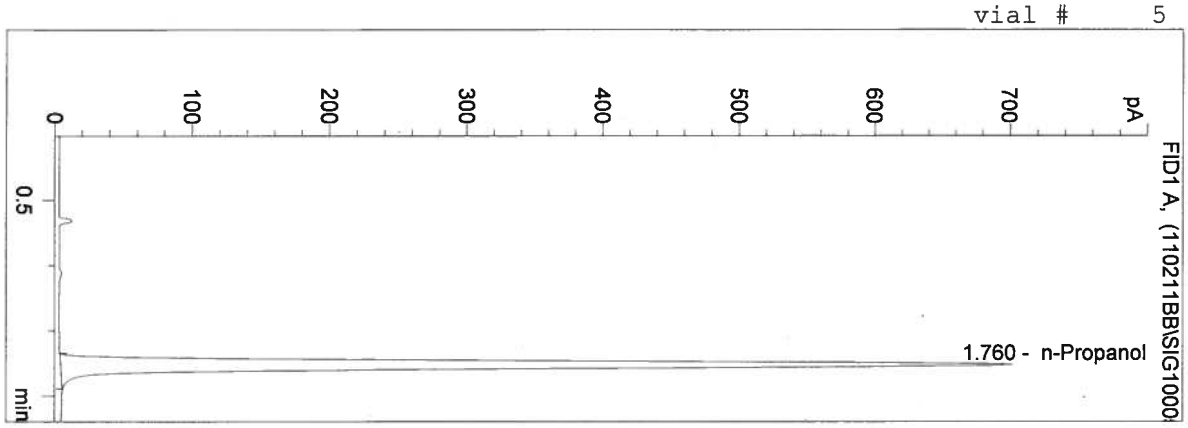
11004
11005
11006
11007

WASHINGTON STATE TOXICOLOGY LABORATORY

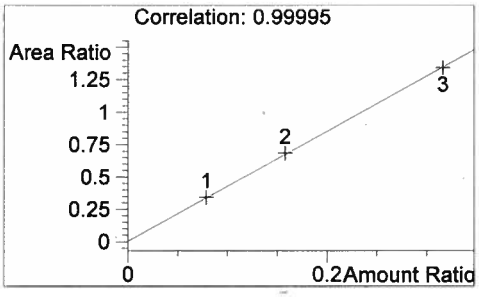
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:10:00 PM
Instrument 1
DB-ALC1

NEG CTRL-BB
Brittany Ball

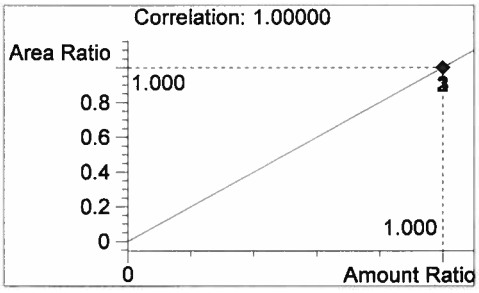
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2786	1.760
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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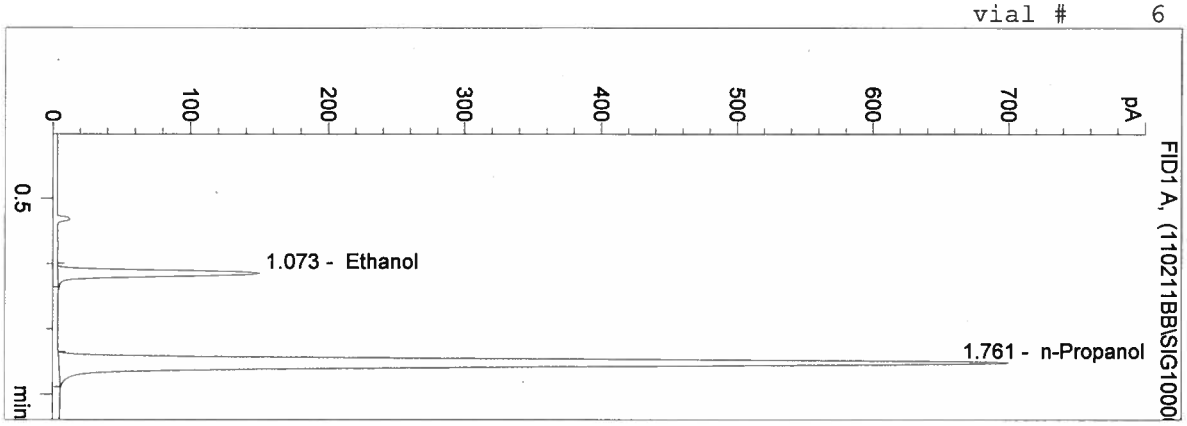
WASHINGTON STATE TOXICOLOGY LABORATORY

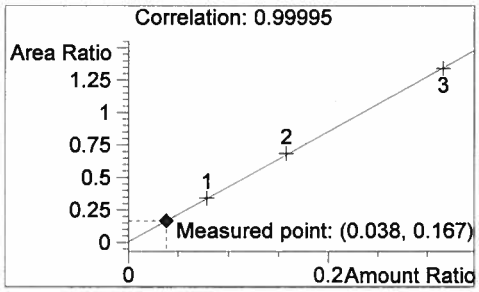
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:13:04 PM
Instrument 1
DB-ALC1

0.04 CTRL-BB
Brittany Ball

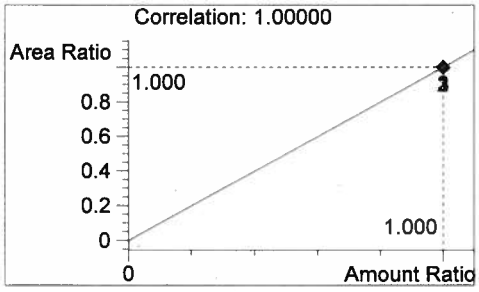
vial # 6



#	Compound	Area	RT
1	Ethanol	467	1.073
2	n-Propanol	2789	1.761
Tot			



Ethanol 0.038 g/100 mL



n-Propanol 1.000 g/100 mL

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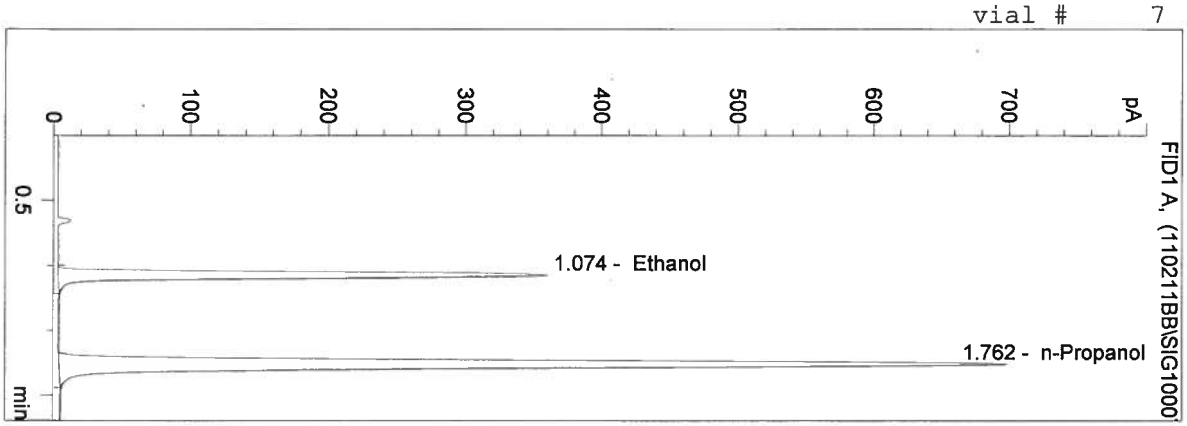
WASHINGTON STATE TOXICOLOGY LABORATORY

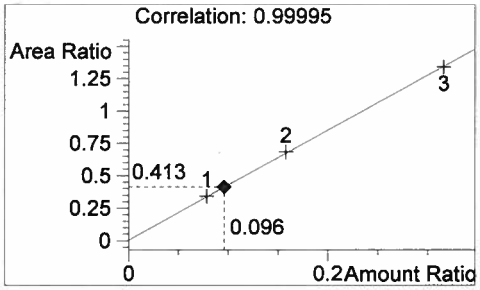
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:16:09 PM
Instrument 1
DB-ALC1

0.10 CTRL-BB
Brittany Ball

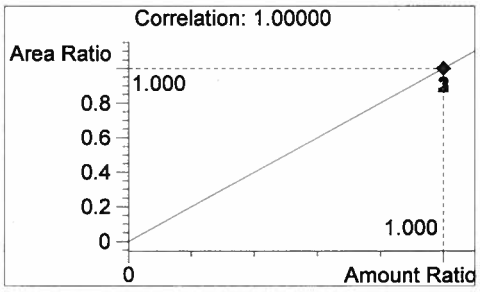
vial # 7



#	Compound	Area	RT
1	Ethanol	1149	1.074
2	n-Propanol	2781	1.762
Tot			



Ethanol 0.096 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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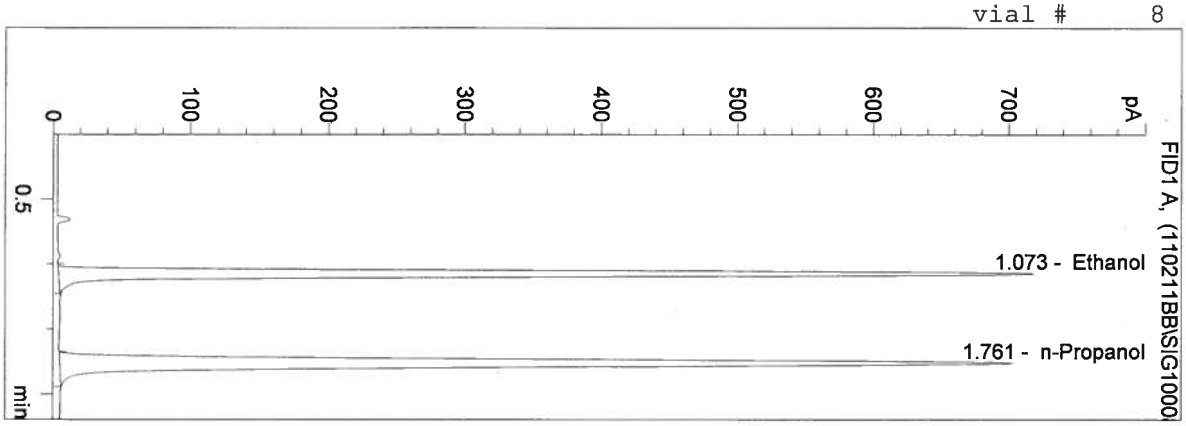
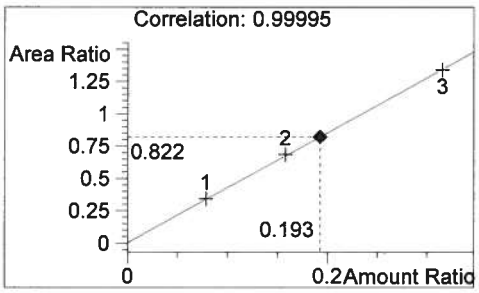
2/11/2011 2:19:14 PM
Instrument 1
DB-ALC1

0.20 CTRL-BB
Brittany Ball

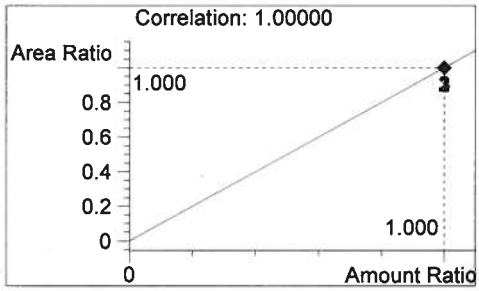
vial # 8



#	Compound	Area	RT
1	Ethanol	2295	1.073
2	n-Propanol	2793	1.761
Tot			



Ethanol 0.193 g/100 mL



n-Propanol 1.000 g/100 mL

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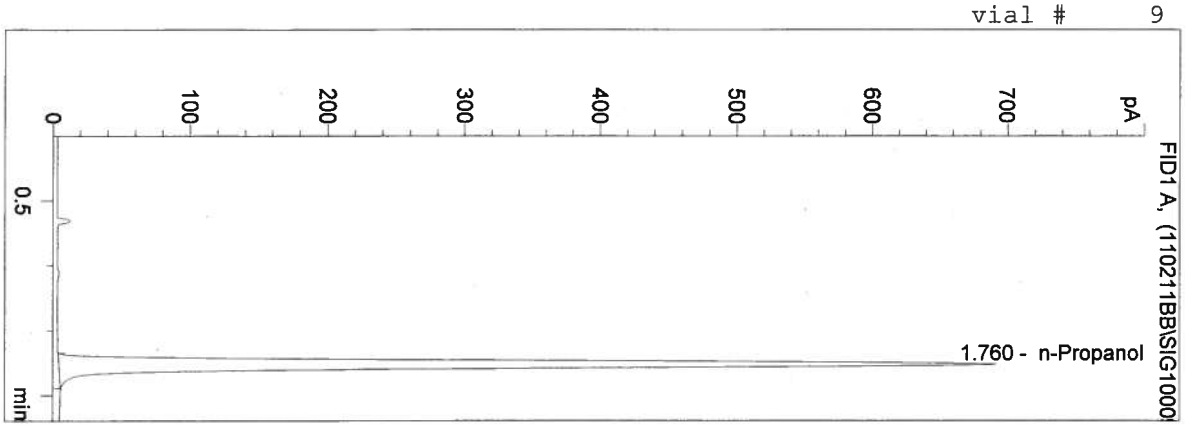
WASHINGTON STATE TOXICOLOGY LABORATORY

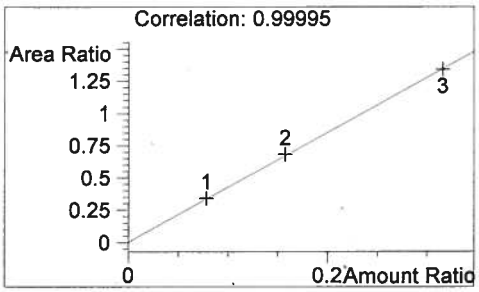
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:22:19 PM
Instrument 1
DB-ALC1

NEG CTRL-BB
Brittany Ball

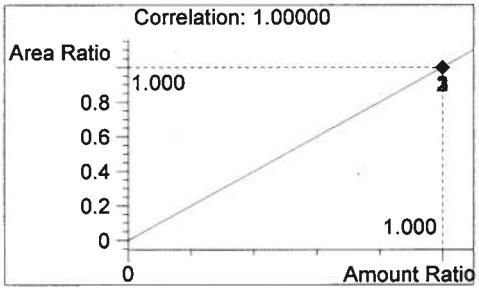
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2743	1.760
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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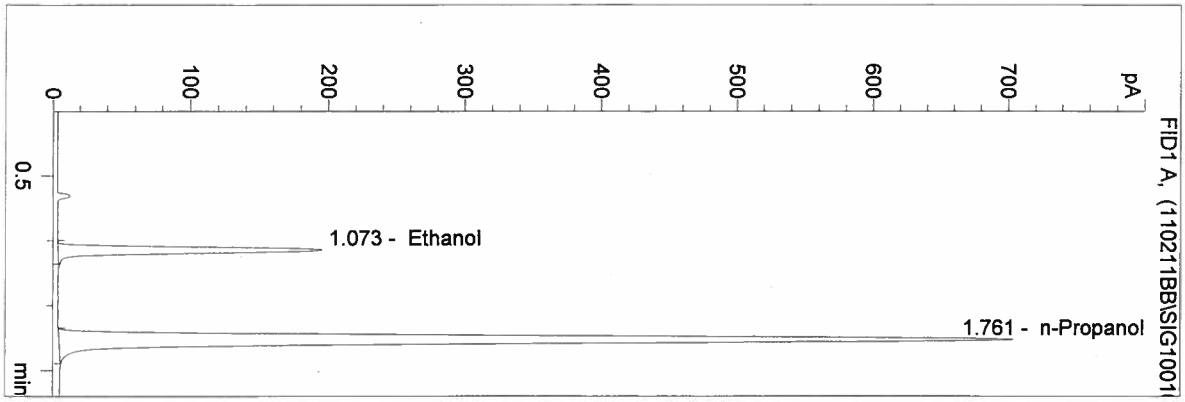
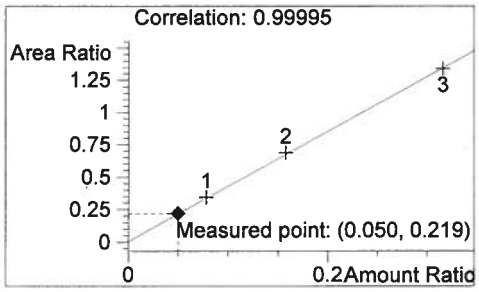
2/11/2011 2:25:23 PM
Instrument 1
DB-ALC1

QAP0.04 11004 #1
Brittany Ball

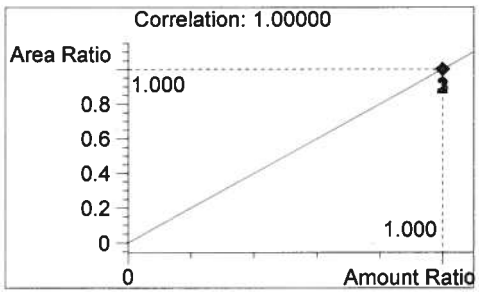
vial # 10



#	Compound	Area	RT
1	Ethanol	613	1.073
2	n-Propanol	2802	1.761
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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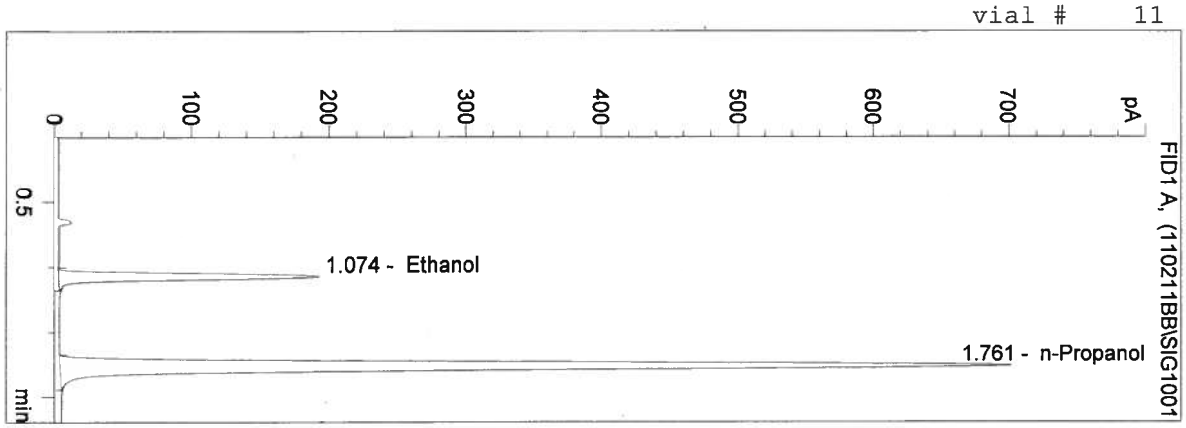
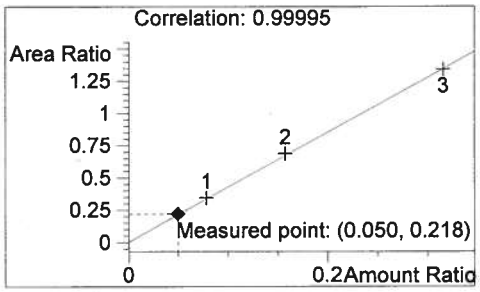
2/11/2011 2:28:28 PM
Instrument 1
DB-ALC1

QAP0.04 11004 #2
Brittany Ball

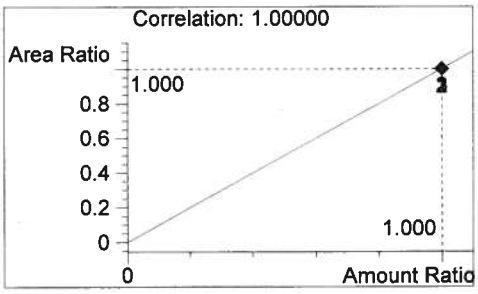
vial # 11



#	Compound	Area	RT
1	Ethanol	608	1.074
2	n-Propanol	2792	1.761
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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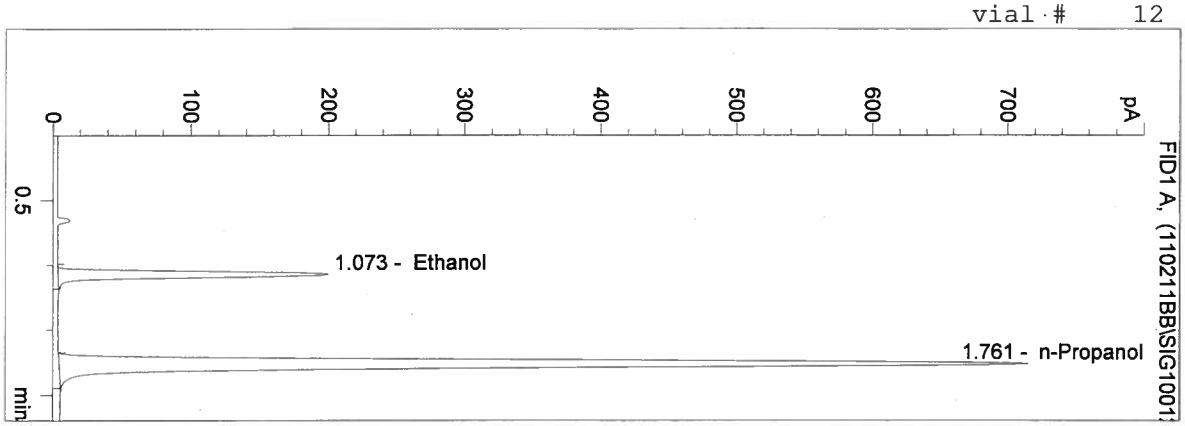
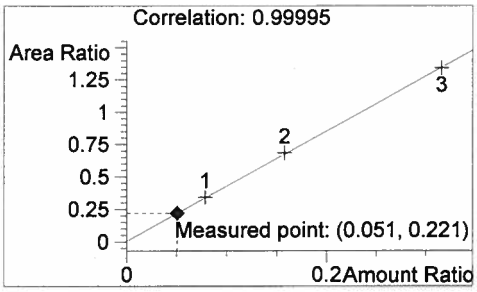
2/11/2011 2:31:33 PM
Instrument 1
DB-ALC1

QAP0.04 11004 #3
Brittany Ball

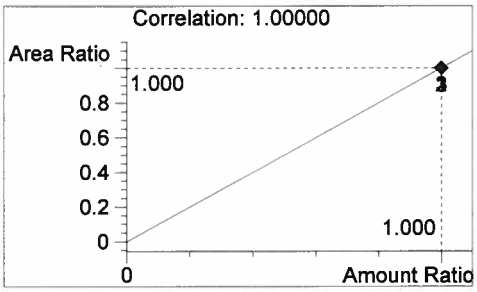
vial # 12



#	Compound	Area	RT
1	Ethanol	629	1.073
2	n-Propanol	2850	1.761
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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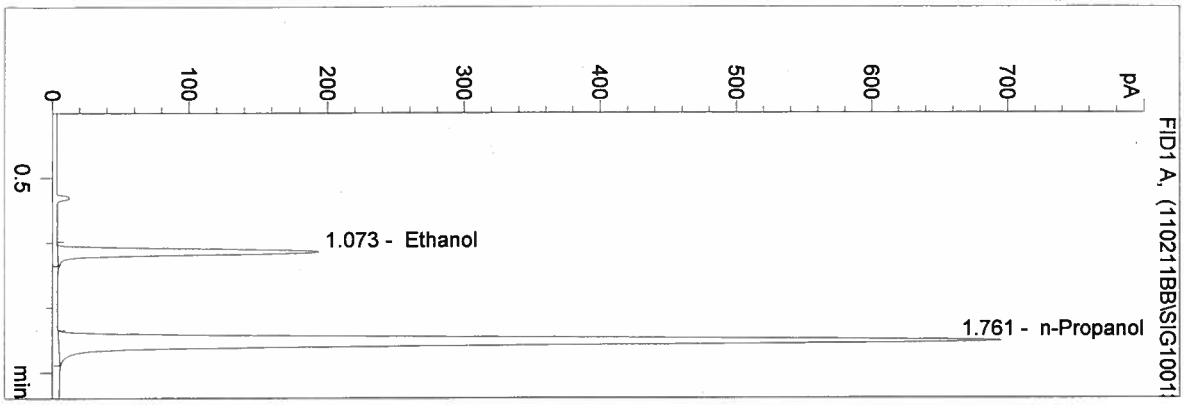
WASHINGTON STATE TOXICOLOGY LABORATORY

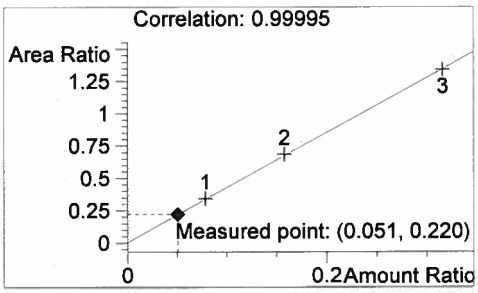
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:34:37 PM
Instrument 1
DB-ALC1

QAP0.04 11004 #4
Brittany Ball

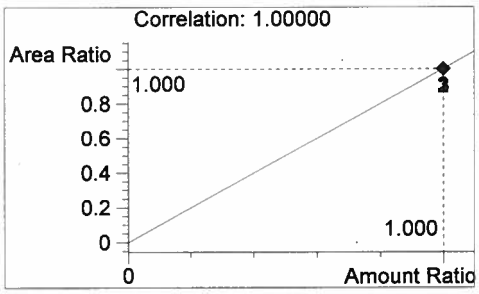
vial # 13



#	Compound	Area	RT
1	Ethanol	605	1.073
2	n-Propanol	2756	1.761
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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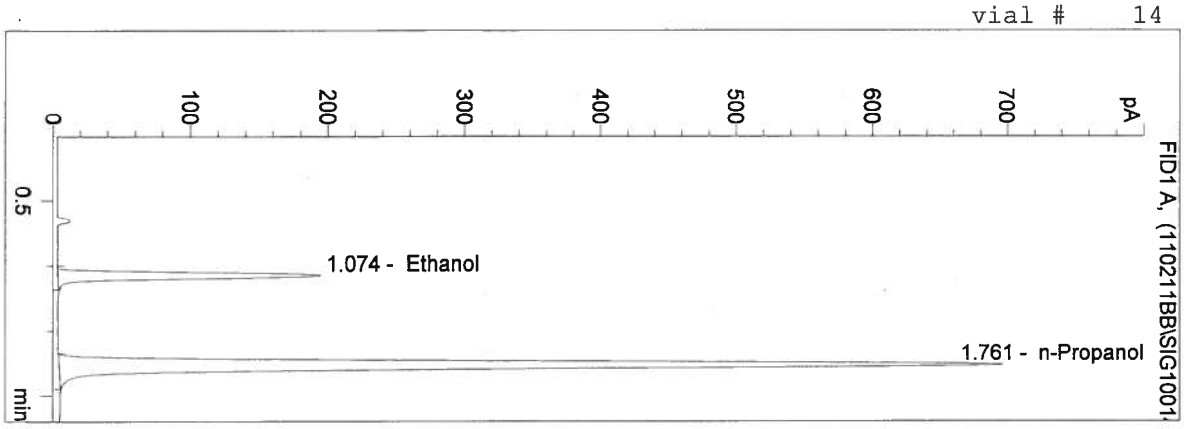
WASHINGTON STATE TOXICOLOGY LABORATORY

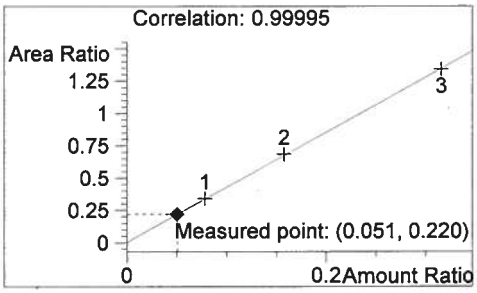
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:37:42 PM
Instrument 1
DB-ALC1

QAP0.04 11004 #5
Brittany Ball

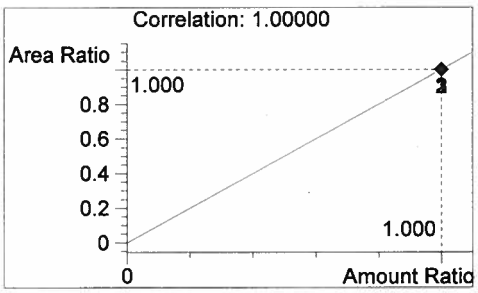
vial # 14



#	Compound	Area	RT
1	Ethanol	612	1.074
2	n-Propanol	2779	1.761
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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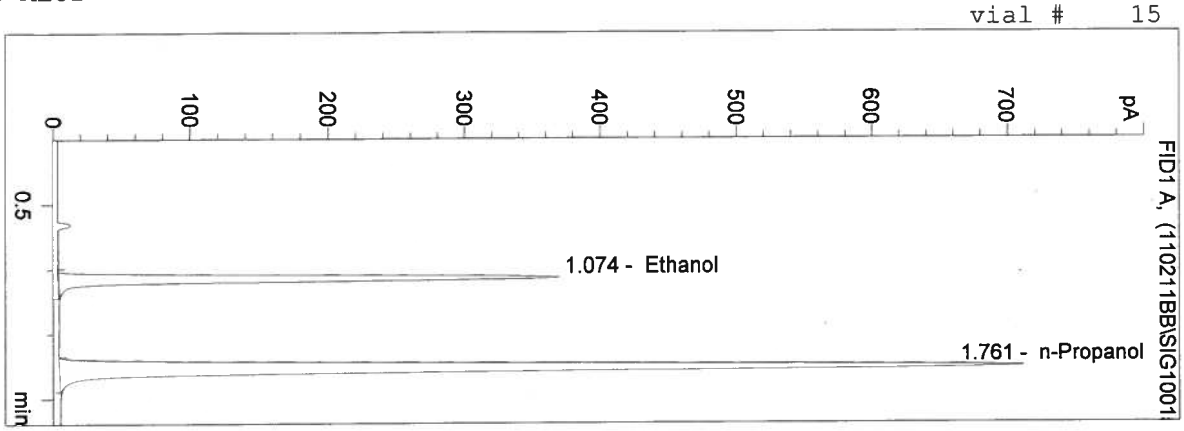
WASHINGTON STATE TOXICOLOGY LABORATORY

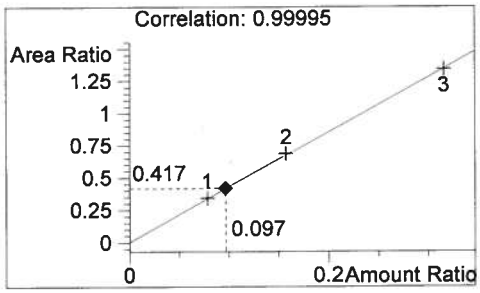
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:40:47 PM
Instrument 1
DB-ALC1

0.10 CTRL-BB
Brittany Ball

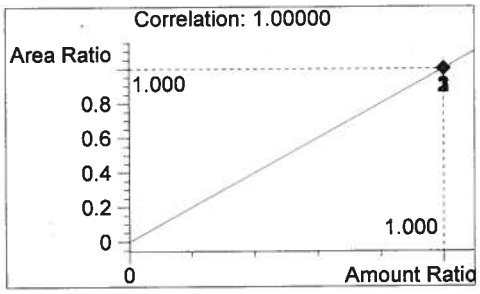
vial # 15



#	Compound	Area	RT
1	Ethanol	1184	1.074
2	n-Propanol	2838	1.761
Tot			



Ethanol 0.097 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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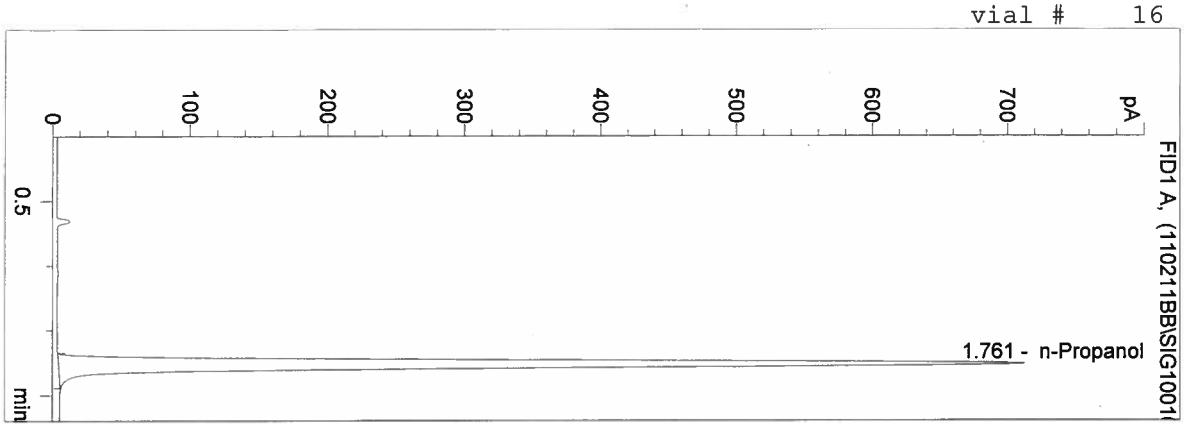
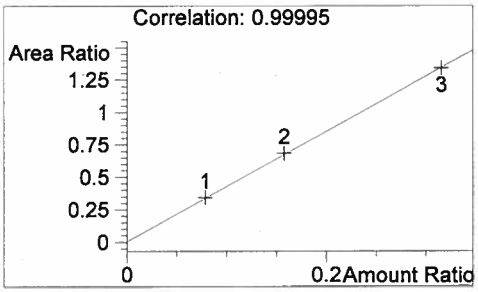
2/11/2011 2:43:52 PM
Instrument 1
DB-ALC1

NEG CTRL-BB
Brittany Ball

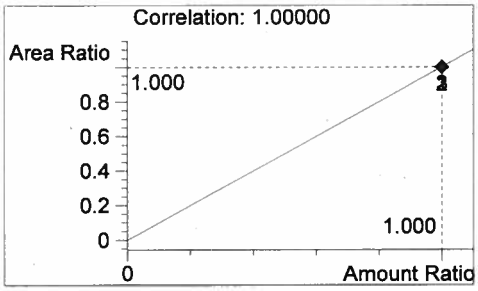
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2836	1.761
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11004

Sequence: C:\HPCHEM\1\SEQUENCE\BPQA2.S

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:	110314B2
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 #A071132 - exp 03/2014
0.20 Control - Lot #A073849 - exp 07/2014

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 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	QA11004-1	SIMALC1	1	Sample		
11	Vial 11	QA11004-2	SIMALC1	1	Sample		
12	Vial 12	QA11004-3	SIMALC1	1	Sample		
13	Vial 13	QA11004-4	SIMALC1	1	Sample		
14	Vial 14	QA11004-5	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:

11004

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	

BP

Sequence Table (Back Injector):

No entries - empty table!

11004

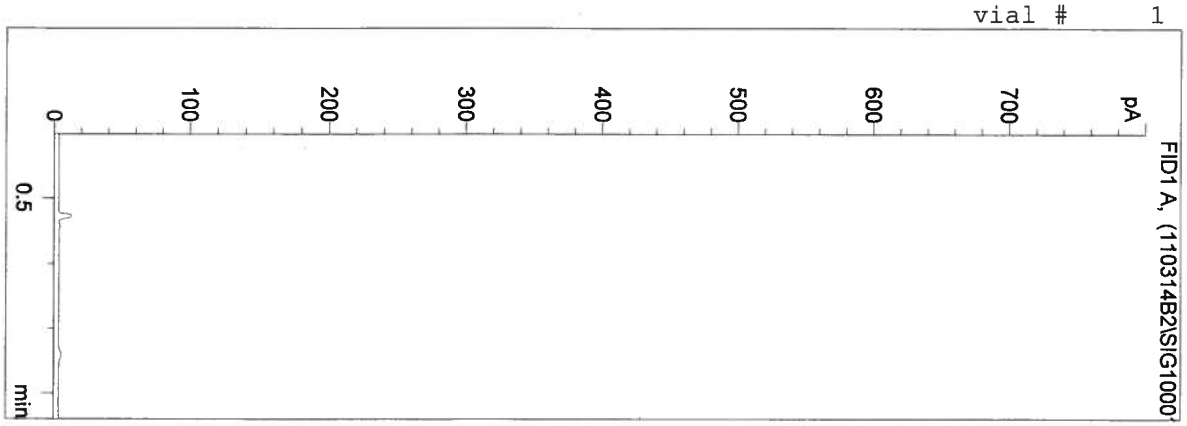
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

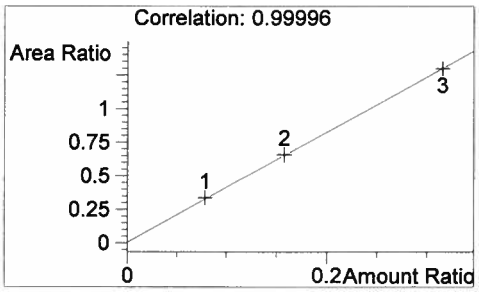
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2011 12:31:59 PM
Instrument 1
DB-ALC1

BLANK
Brianna Peterson

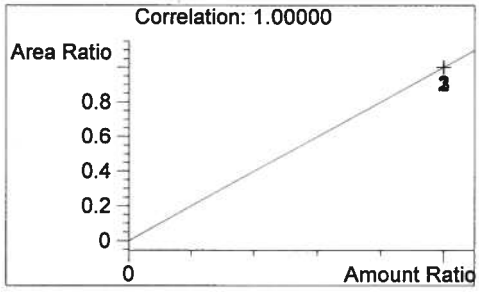
vial # 1



#	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

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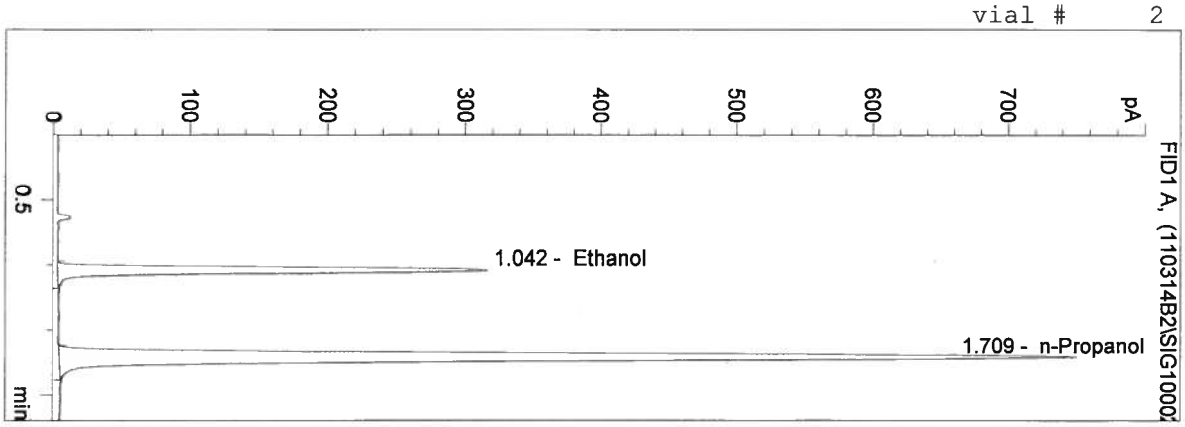
Bl

WASHINGTON STATE TOXICOLOGY LABORATORY

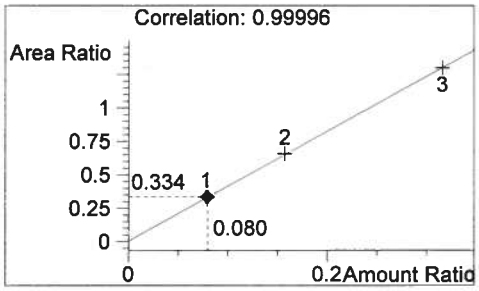
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2011 12:35:04 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianna Peterson

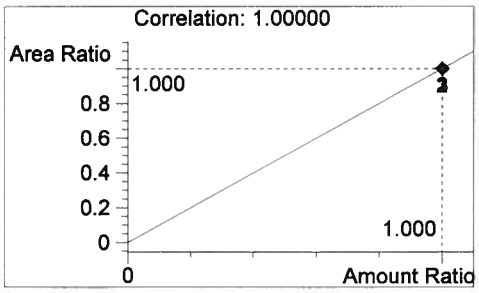
vial # 2



#	Compound	Area	RT
1	Ethanol	978	1.042
2	n-Propanol	2925	1.709
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

11004

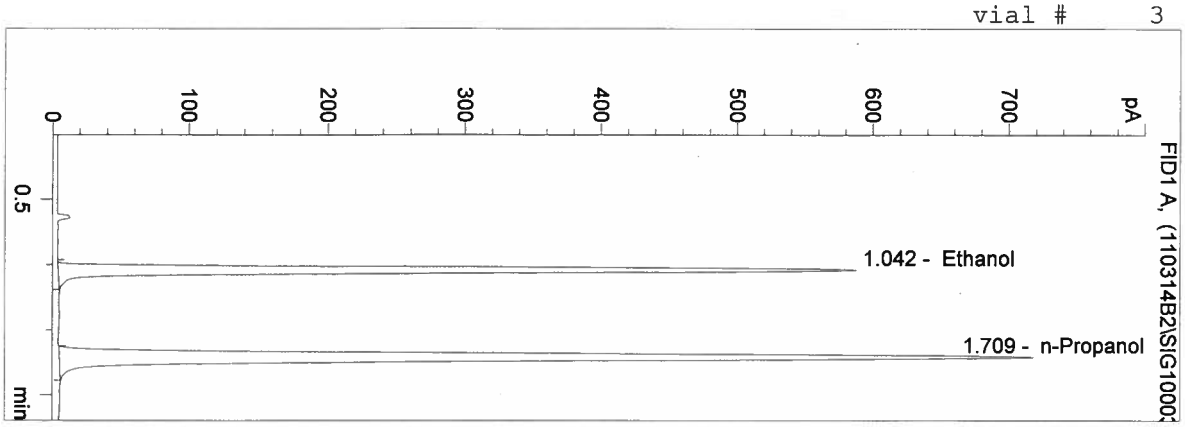
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

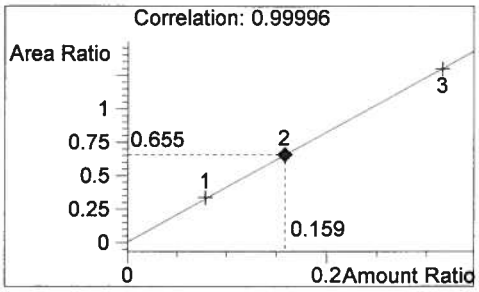
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2011 12:38:09 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianna Peterson

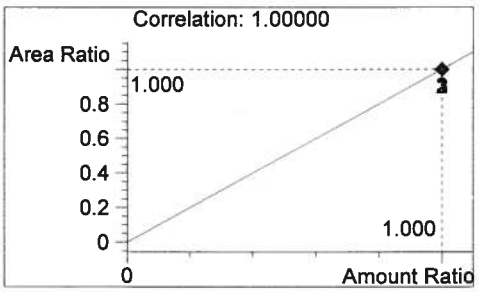
vial # 3



#	Compound	Area	RT
1	Ethanol	1831	1.042
2	n-Propanol	2795	1.709
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

11004

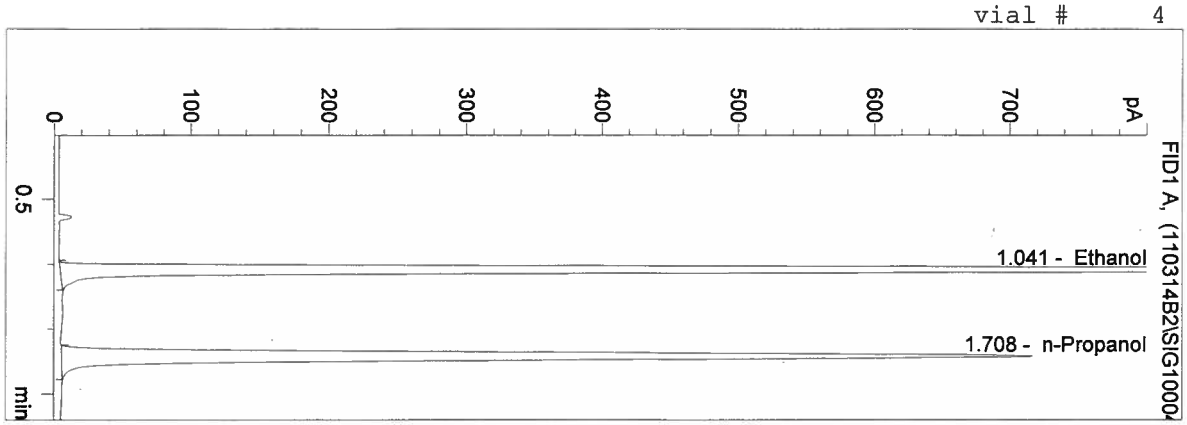
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

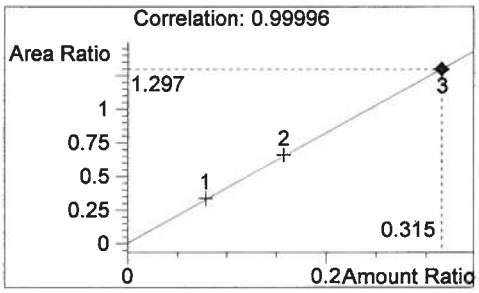
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2011 12:41:13 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianna Peterson

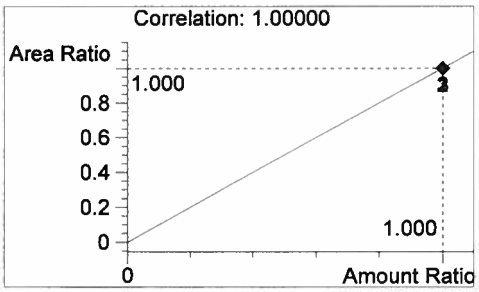
vial # 4



#	Compound	Area	RT
1	Ethanol	3605	1.041
2	n-Propanol	2781	1.708
Tot			



Ethanol 0.315 g/100 mL



n-Propanol 1.000 g/100 mL

11004

BL

WASHINGTON STATE TOXICOLOGY LABORATORY

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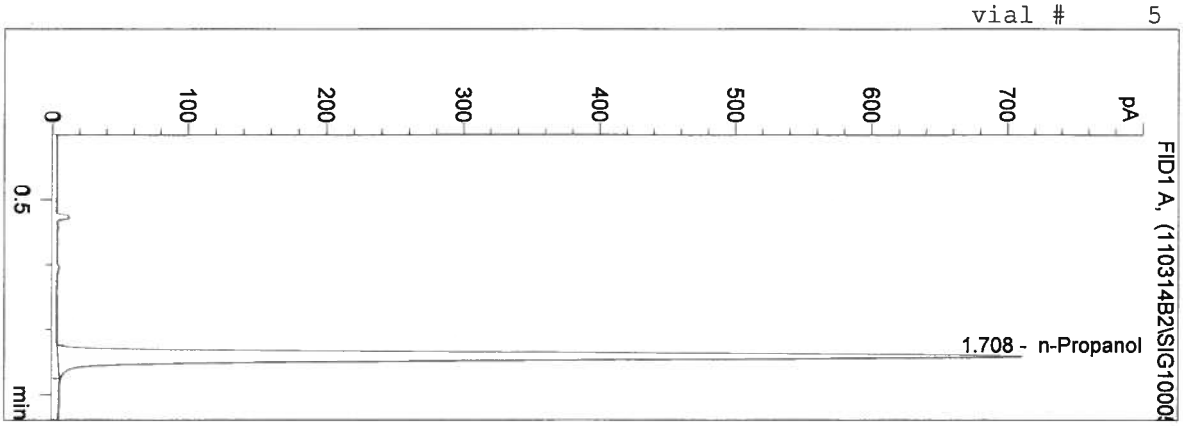
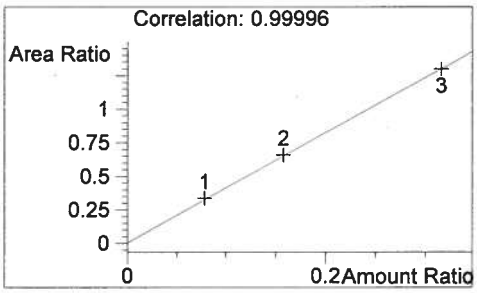
3/14/2011 12:44:18 PM
Instrument 1
DB-ALC1

NEG CTRL BP
Brianna Peterson

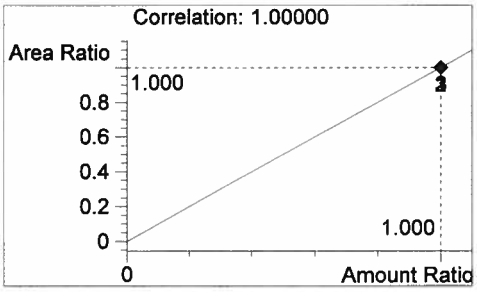
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2763	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11004

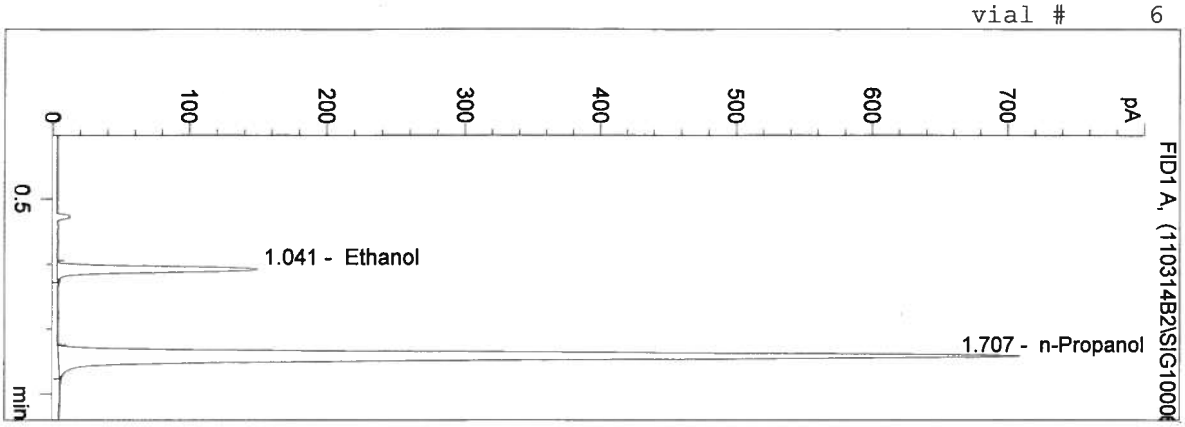
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

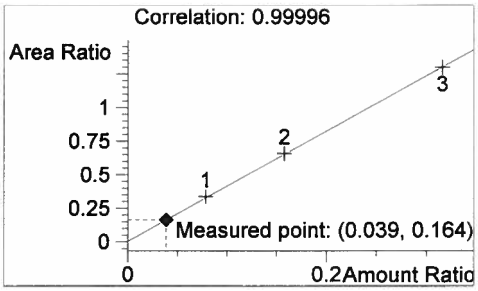
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2011 12:47:23 PM
Instrument 1
DB-ALC1

0.04 CTRL- BP
Brianna Peterson

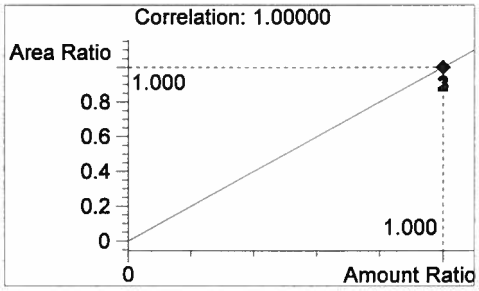
vial # 6



#	Compound	Area	RT
1	Ethanol	450	1.041
2	n-Propanol	2750	1.707
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

11004

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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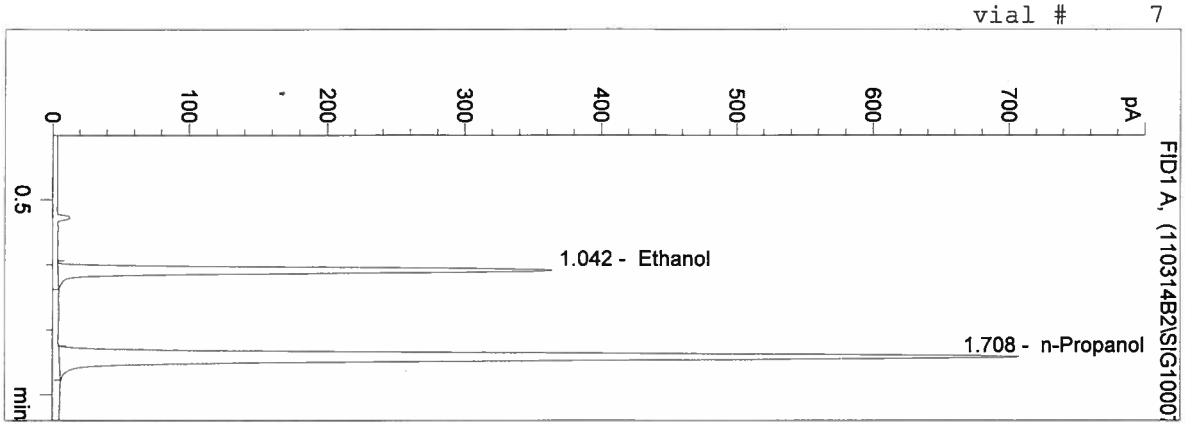
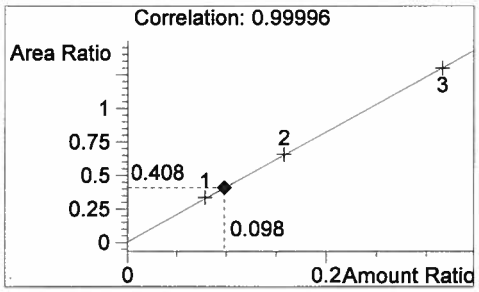
3/14/2011 12:50:27 PM
Instrument 1
DB-ALC1

0.10 CTRL- BP
Brianna Peterson

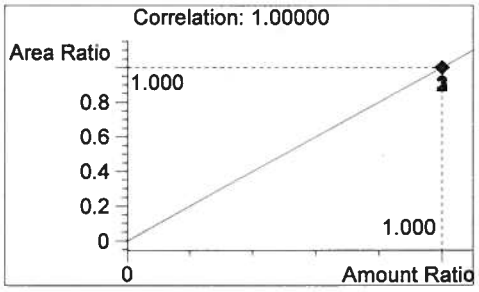
vial # 7



#	Compound	Area	RT
1	Ethanol	1122	1.042
2	n-Propanol	2751	1.708
Tot			



Ethanol 0.098 g/100 mL



n-Propanol 1.000 g/100 mL

11004

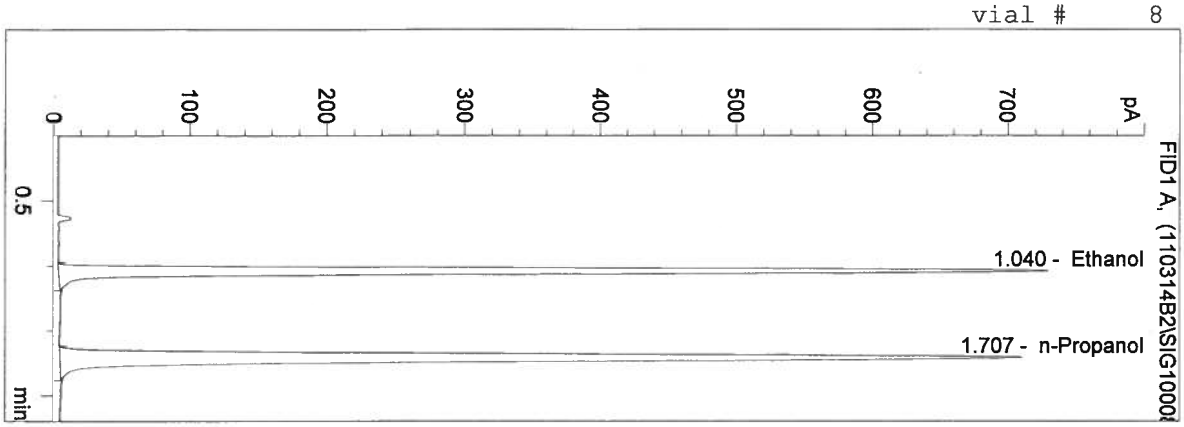
BG

WASHINGTON STATE TOXICOLOGY LABORATORY

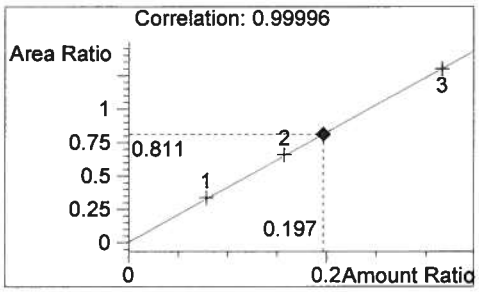
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2011 12:53:32 PM
Instrument 1
DB-ALC1

0.20 CTRL- BP
Brianna Peterson

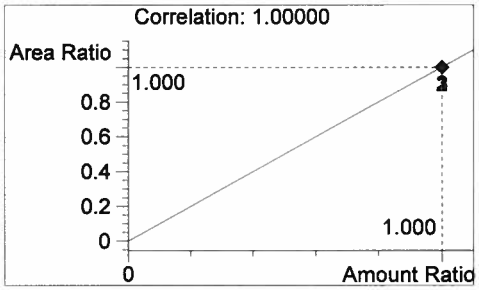
vial # 8



#	Compound	Area	RT
1	Ethanol	2225	1.040
2	n-Propanol	2742	1.707
Tot			



Ethanol 0.197 g/100 mL



n-Propanol 1.000 g/100 mL

11004

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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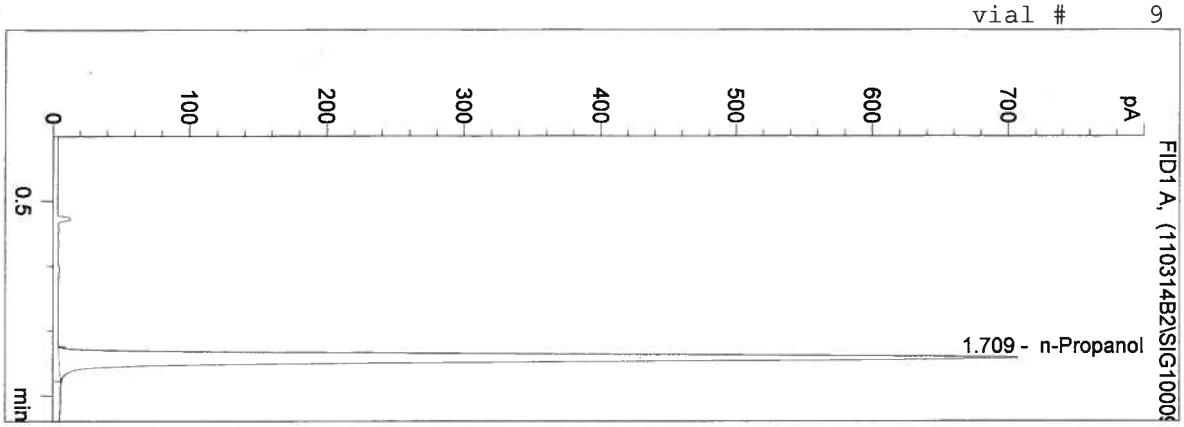
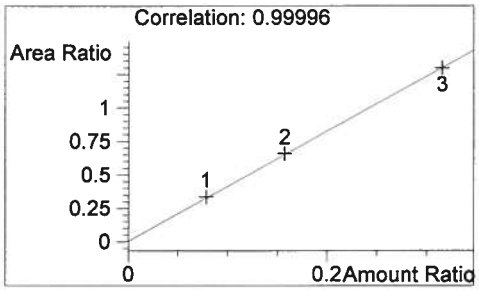
3/14/2011 12:56:37 PM
Instrument 1
DB-ALC1

NEG CTRL BP
Brianna Peterson

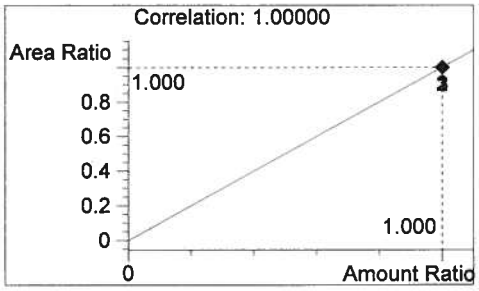
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2752	1.709
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11004

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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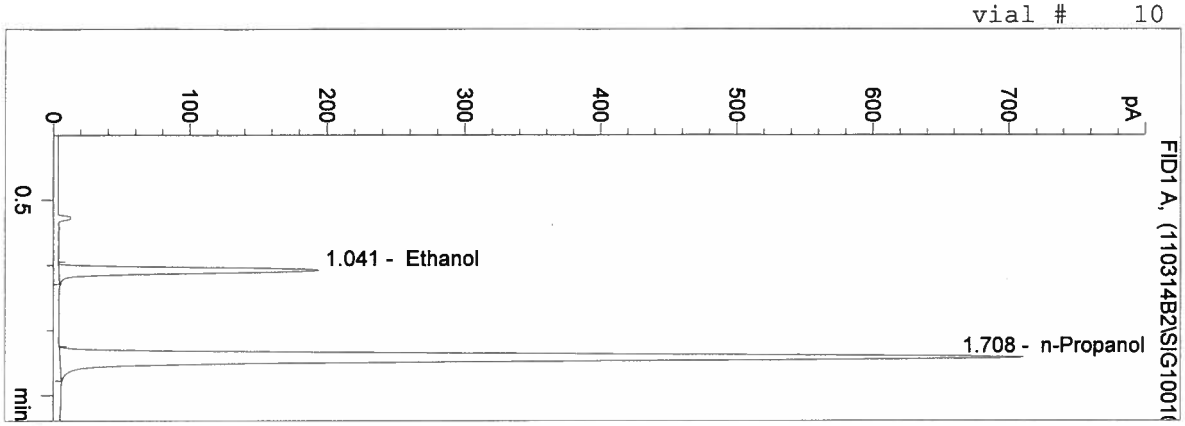
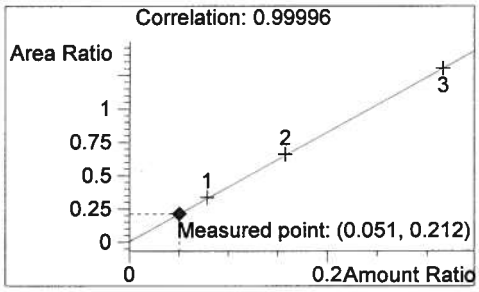
Instrument 1
DB-ALC1

QA11004-1
Brianna Peterson

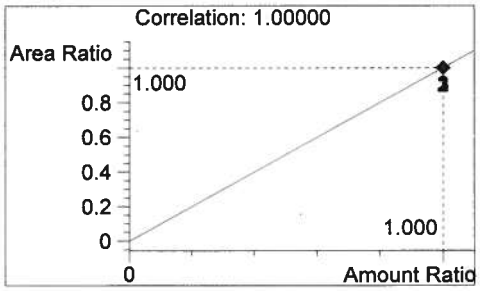
vial # 10



#	Compound	Area	RT
1	Ethanol	586	1.041
2	n-Propanol	2759	1.708
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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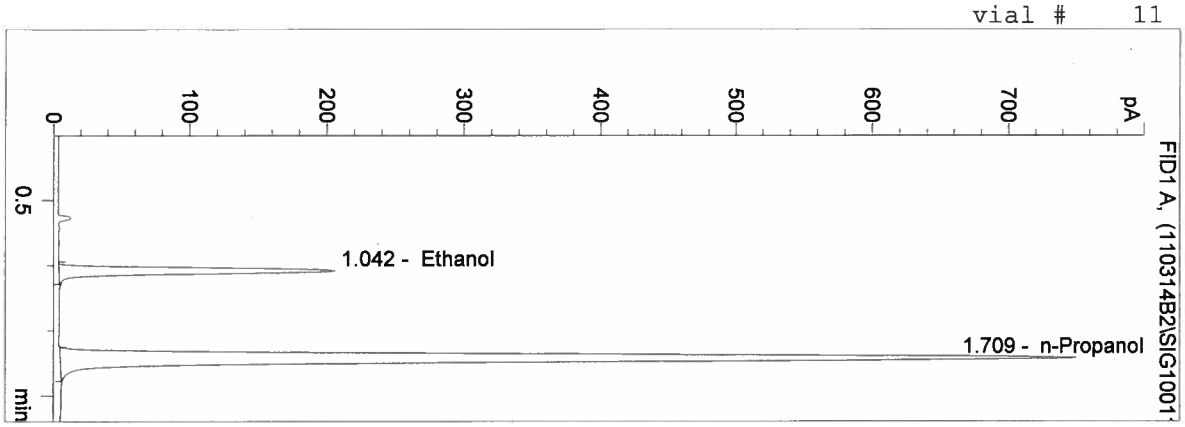
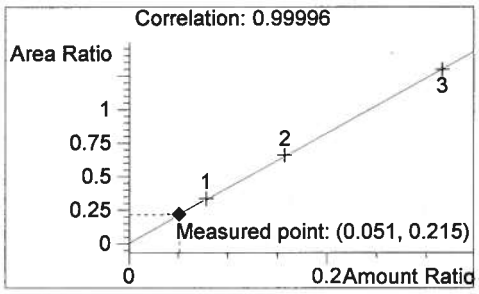
3/14/2011 1:02:46 PM
Instrument 1
DB-ALC1

QA11004-2
Brianna Peterson

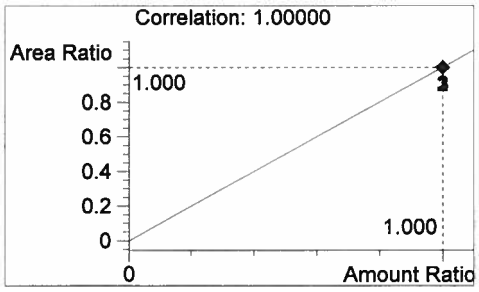
vial # 11



#	Compound	Area	RT
1	Ethanol	629	1.042
2	n-Propanol	2919	1.709
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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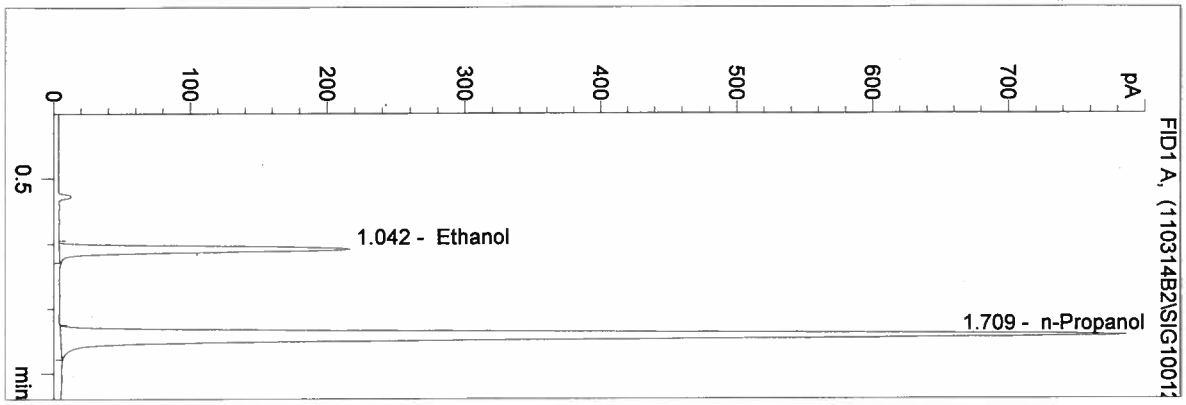
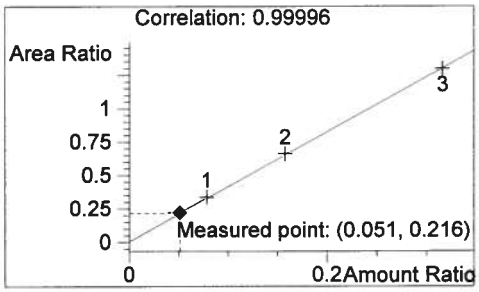
3/14/2011 1:05:51 PM
Instrument 1
DB-ALC1

QA11004-3
Brianna Peterson

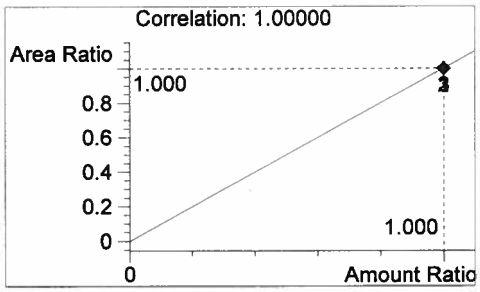
vial # 12



#	Compound	Area	RT
1	Ethanol	662	1.042
2	n-Propanol	3069	1.709
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

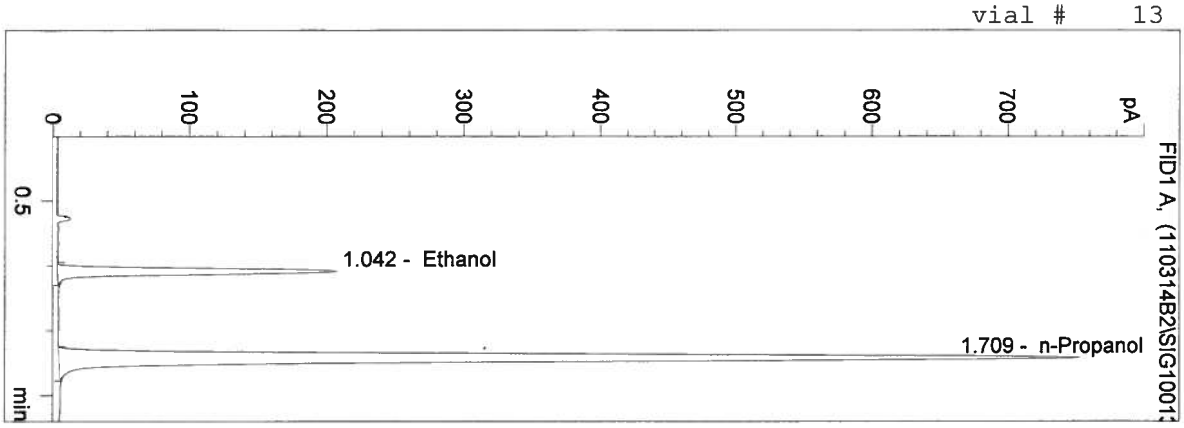
RP

WASHINGTON STATE TOXICOLOGY LABORATORY

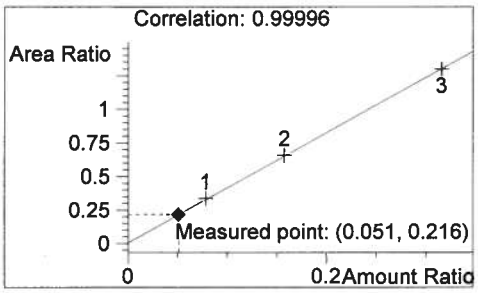
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2011 1:08:56 PM
Instrument 1
DB-ALC1

QA11004-4
Brianna Peterson

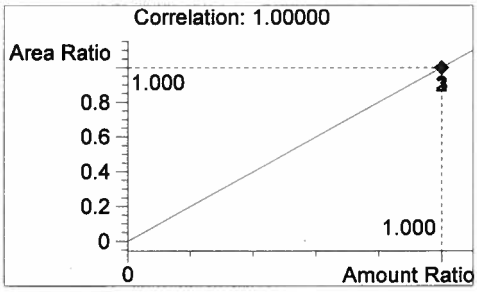
vial # 13



#	Compound	Area	RT
1	Ethanol	631	1.042
2	n-Propanol	2925	1.709
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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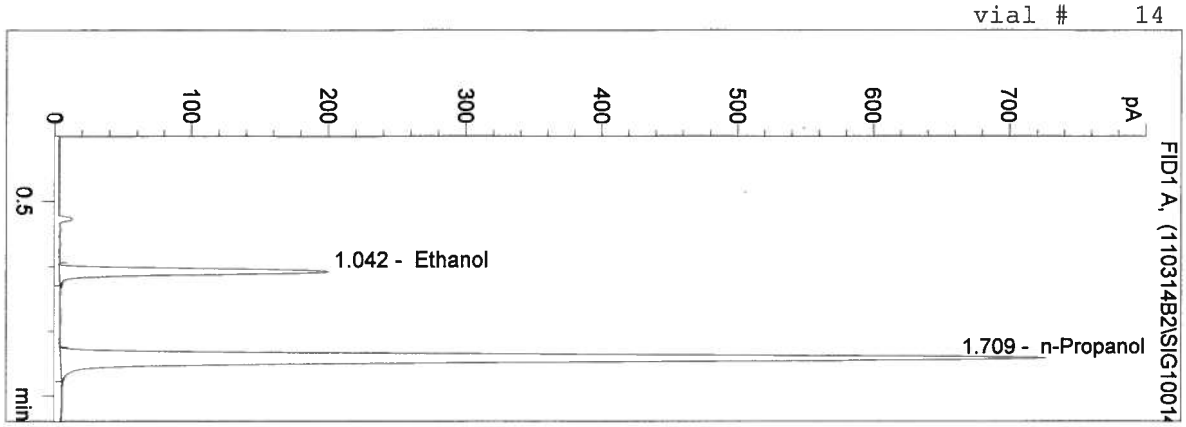
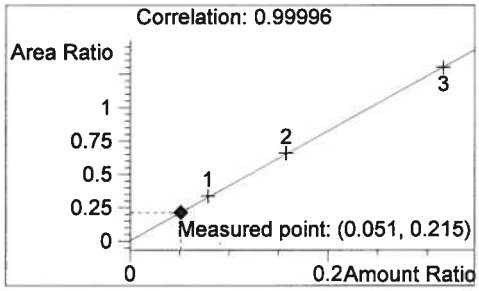
3/14/2011 1:12:01 PM
Instrument 1
DB-ALC1

QA11004-5
Brianna Peterson

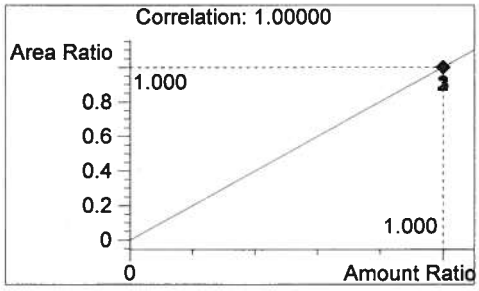
vial # 14



#	Compound	Area	RT
1	Ethanol	606	1.042
2	n-Propanol	2822	1.709
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

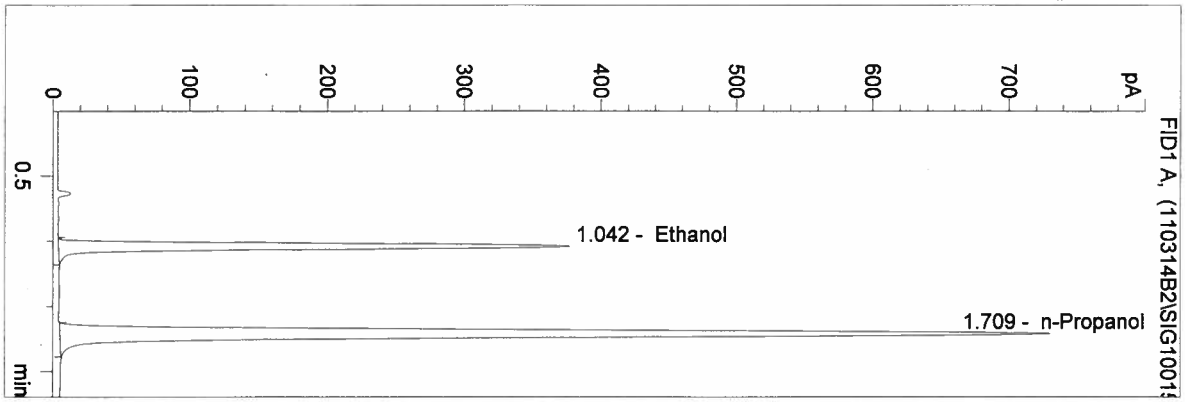
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

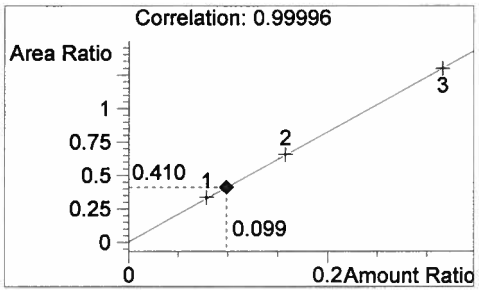
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2011 1:15:06 PM
Instrument 1
DB-ALC1

0.10 CTRL- BP
Brianna Peterson

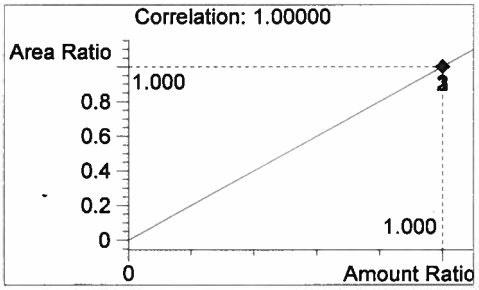
vial # 15



#	Compound	Area	RT
1	Ethanol	1164	1.042
2	n-Propanol	2836	1.709
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

11004

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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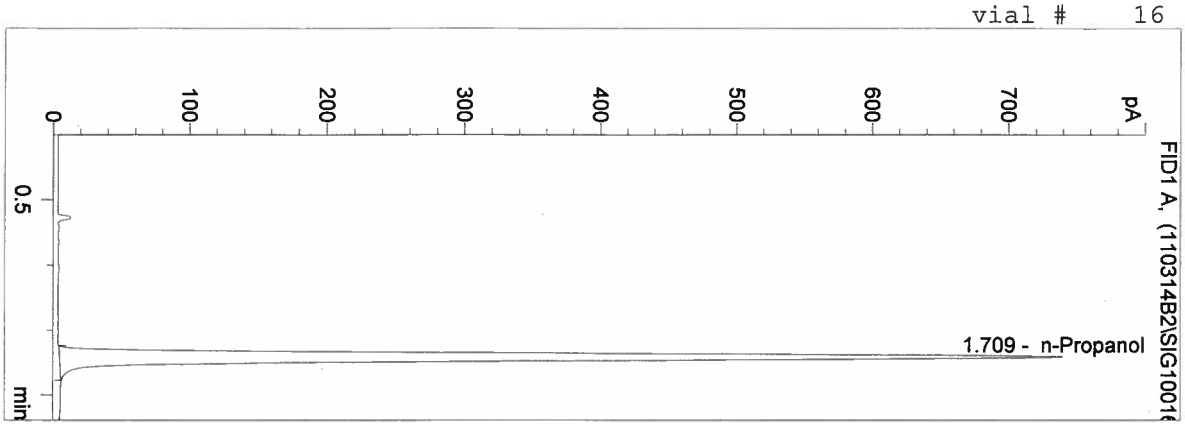
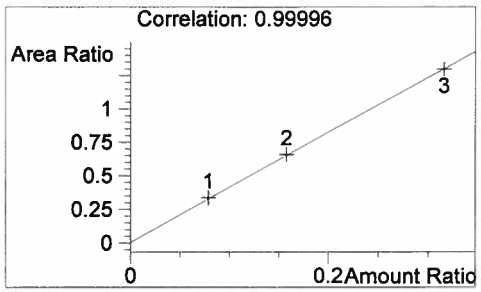
3/14/2011 1:18:10 PM
Instrument 1
DB-ALC1

NEG CTRL BP
Brianna Peterson

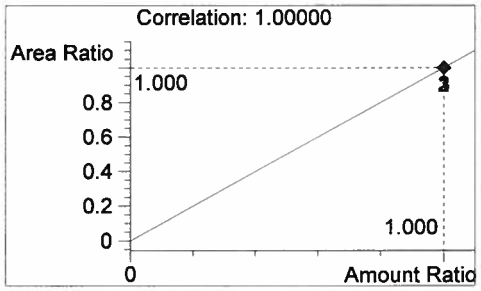
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2881	1.709
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11004

Pf

WSP-TLD	COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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

Preparation Date: 2/9/2011 Initials of Preparer: CM

Expiration Date: 2/9/2012

Lot # of 200-proof Ethanol used in preparation: ZQ0777

Date the 200-proof Ethanol bottle was opened: 2/8/2011

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	☑	11004
QAP 0.08	22.4	18	☑	11005
QAP 0.10	28.1	18	☑	11006
QAP 0.15	42.0	18	☑	11007
ESS	66.5	52	☐	

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 2/9/2011 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 2/9/2011 Date