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

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/16/2000

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 12008

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: 02/08/2012
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Rebecca Flaherty

	RF	CM	SS
1	0.049	0.049	0.049
2	0.049	0.050	0.050
3	0.049	0.050	0.049
4	0.049	0.049	0.049
5	0.049	0.050	0.049
C	0.100	0.101	0.102

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0493 g/100mL
STANDARD DEVIATION: 0.00046
PRECISION CV (%): 0.93
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0401 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

2-27-2012
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
RF	Rebecca Flaherty		02/08/2012
CM	Christie Mitchell-Mata		02/10/2012
SS	Sarah Swenson		02/10/2012

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

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

QAP Solution Batch #: 12008 **Date Prepared:** 2/8/2012

Analyst:	RF	CM	SS
Date Tested:	2/8/2012	2/10/2012	2/10/2012
Instrument:	HS#1	HS#1	HS#1
1	0.049	0.049	0.049
2	0.049	0.050	0.050
3	0.049	0.050	0.049
4	0.049	0.049	0.049
5	0.049	0.050	0.049
C	0.100	0.101	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000057549	0.0000326765	0.0001016326

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

Average Solution Concentration: 0.0493 g/100mL
Standard Deviation: 0.00046 g/100mL
Precision CV (%): 0.93
Equivalent Vapor Concentration: 0.0401 g/210L
Combined Standard Uncertainty (±): 0.0005 g/210L

Calculations performed by: Melissa L. Pemberton [signature] 2-22-2012
Name Signature Date

Calculations verified by: Jason Skiegrov [signature] 2-23-12
Name Signature Date

Method: Hand Calculator

Tech. review performed by: Melissa L. Pemberton [signature] 2-23-12
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV **Date:** 2-23-12

Location: WSP-FLSB ; Seattle, WA **Solution Batch Number:** 12008

	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:** 2-23-12

Reviewer Signature: N/A (JVB) 2/23/12 **Date:**

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Black		
Asa Louis		
Brian Capron		
Brianna Peterson		
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell	CM	2/22/12
Christopher Johnston		
Dawn Cox		
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	2/22/2012
Sarah Swenson	SHS	2/22/12

Batch # 12008

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 12008

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 qap solution, Lot Number 12008, was prepared in the Washington State Toxicology Laboratory on 2/8/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 2/8/2013.

Seattle, WA

02/22/2012

Rebecca Flaherty — Date

Forensic Toxicologist

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 12008

I, Christie Mitchell-Mata, 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 four years experience in forensic toxicology.

The qap solution, Lot Number 12008, was prepared in the Washington State Toxicology Laboratory on 2/8/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 2/8/2013.

Seattle, WA

Christie Mitchell-Mata 2/22/2012

Christie Mitchell-Mata Date

Forensic Toxicologist

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 12008

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 nine years of experience in forensic toxicology.

The qap solution, Lot Number 12008, was prepared in the Washington State Toxicology Laboratory on 2/8/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 2/8/2013.

Seattle, WA

2/22/12

Sarah M. Swenson — Date

Forensic Toxicologist

WSP-TLD	COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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

Preparation Date: 2-8-2012 Initials of Preparer: RF

Expiration Date: 2-8-2013

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

Date the 200-proof Ethanol bottle was opened: 01-09-2012

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

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	✓	12008
QAP 0.08	22.4	18	✓	12009
QAP 0.10	28.1	18	✓	12010
QAP 0.15	42.0	18	✓	12011
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	✓	02-08-~~2013~~ 2012 RF 02/08/12 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

02-08-2012
Date

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:	120208RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E1111-01 - Exp. 02/10/12
Ethanol Calibrator 2, E1111-01 - Exp. 02/10/12
Ethanol Calibrator 3, E1111-01 - Exp. 02/10/12

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

RF

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Ethanol Calibrator 1, E1111-01 - Exp. 02/10/12
3	Vial 3	Ethanol Calibrator 2, E1111-01 - Exp. 02/10/12
4	Vial 4	Ethanol Calibrator 3, E1111-01 - Exp. 02/10/12
5	Vial 5	
6	Vial 6	0.04 Control - Lot #A077459 - Exp. 02/2015
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	

12008
12009
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12011

Sequence: C:\HPCHEM\1\SEQUENCE\RFQAP1.S

Line	Location	Sample Information
15	Vial 15	0.10 Control - Lot #A075806 - Exp. 11/2014
16	Vial 16	
17	Vial 17	
18	Vial 18	
19	Vial 19	
20	Vial 20	
21	Vial 21	
22	Vial 22	0.10 Control - Lot #A075806 - Exp. 11/2014
23	Vial 23	
24	Vial 24	
25	Vial 25	
26	Vial 26	
27	Vial 27	
28	Vial 28	
29	Vial 29	0.10 Control - Lot #A075806 - Exp. 11/2014
30	Vial 30	
31	Vial 31	
32	Vial 32	
33	Vial 33	
34	Vial 34	
35	Vial 35	
36	Vial 36	0.10 Control - Lot #A075806 - Exp. 11/2014
37	Vial 37	

RF

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	QAP0.04 12008 #1	SIMALC1	1	Sample		
11	Vial 11	QAP0.04 12008 #2	SIMALC1	1	Sample		
12	Vial 12	QAP0.04 12008 #3	SIMALC1	1	Sample		
13	Vial 13	QAP0.04 12008 #4	SIMALC1	1	Sample		

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Sequence: C:\HPCHEM\1\SEQUENCE\RFQAP1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
14	Vial 14	QAP0.04 12008 #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		
17	Vial 17	QAP0.08 12009 #1	SIMALC1	1	Sample		
18	Vial 18	QAP0.08 12009 #2	SIMALC1	1	Sample		
19	Vial 19	QAP0.08 12009 #3	SIMALC1	1	Sample		
20	Vial 20	QAP0.08 12009 #4	SIMALC1	1	Sample		
21	Vial 21	QAP0.08 12009 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		
24	Vial 24	QAP0.10 12010 #1	SIMALC1	1	Sample		
25	Vial 25	QAP0.10 12010 #2	SIMALC1	1	Sample		
26	Vial 26	QAP0.10 12010 #3	SIMALC1	1	Sample		
27	Vial 27	QAP0.10 12010 #4	SIMALC1	1	Sample		
28	Vial 28	QAP0.10 12010 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		
31	Vial 31	QAP0.15 12011 #1	SIMALC1	1	Sample		
32	Vial 32	QAP0.15 12011 #2	SIMALC1	1	Sample		
33	Vial 33	QAP0.15 12011 #3	SIMALC1	1	Sample		
34	Vial 34	QAP0.15 12011 #4	SIMALC1	1	Sample		
35	Vial 35	QAP0.15 12011 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
37	Vial 37	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!

12008

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Calibration Table

Calib. Data Modified : Wednesday, February 08, 2012 12:33:07 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

RF

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	7.86300e-2	957.68066	8.21046e-5	1		Ethanol
		2	1.55890e-1	1925.65271	8.09544e-5			
		3	3.12180e-1	3797.99463	8.21960e-5			
1.710	1	1	1.00000	2819.25781	3.54703e-4	I1		n-Propanol
		2	1.00000	2847.26099	3.51215e-4			
		3	1.00000	2828.34082	3.53564e-4			

Peak Sum Table

No Entries in table

12008
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Calibration Curves

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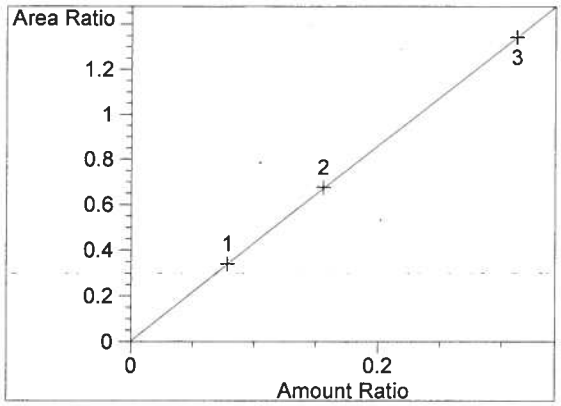
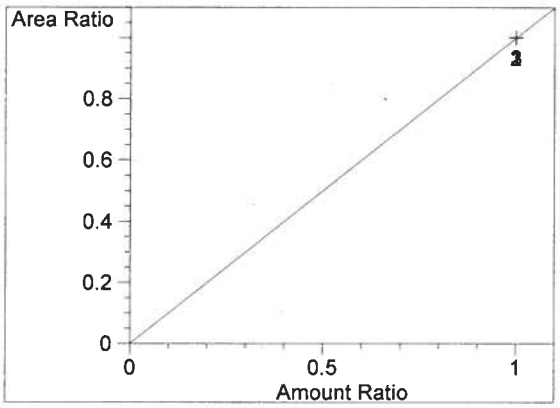


Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00334
Formula: y = mx + b
m: 4.30196
b: 1.74145e-3
x: Amount Ratio
y: Area Ratio



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

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WASHINGTON STATE TOXICOLOGY LABORATORY

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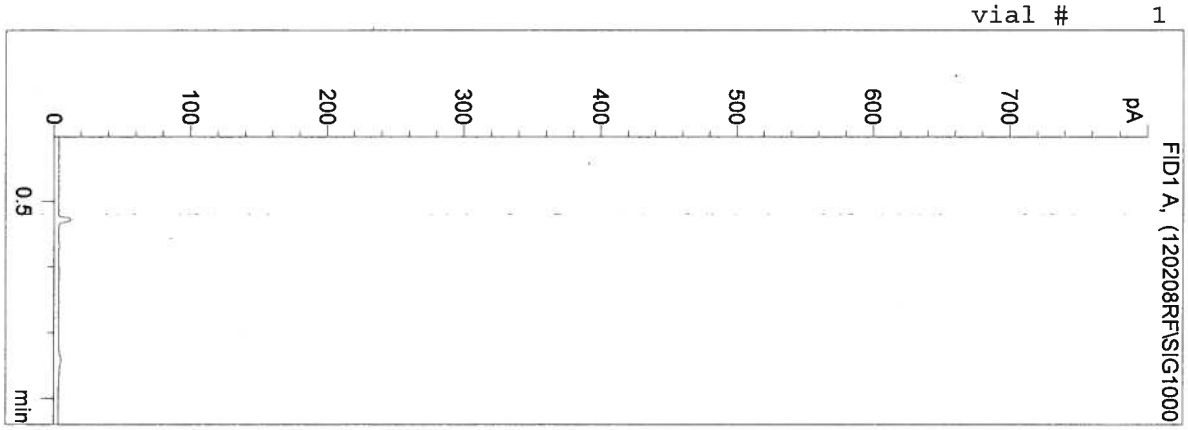
2/8/2012 12:21:40 PM
Instrument 1
DB-ALC1

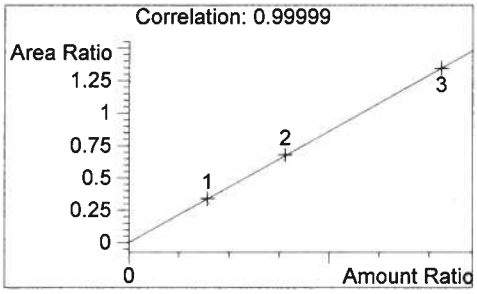
BLANK
Rebecca Flaherty

vial # 1

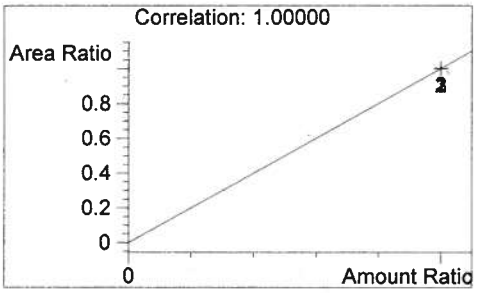


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			

RC



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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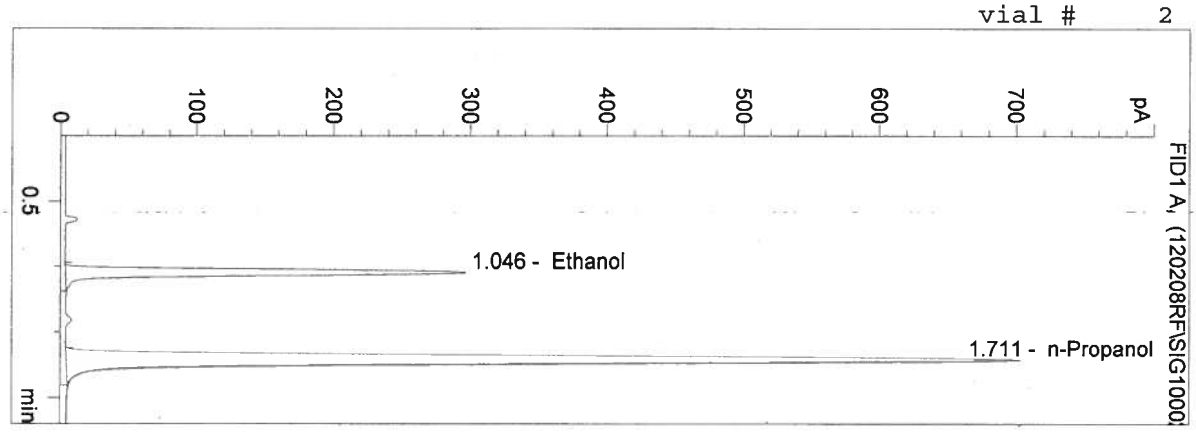
2/8/2012 12:24:44 PM
Instrument 1
DB-ALC1

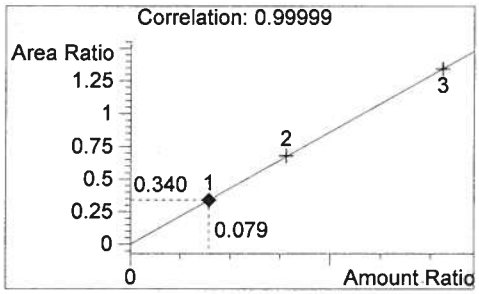
0.079 CAL 1
Rebecca Flaherty

vial # 2

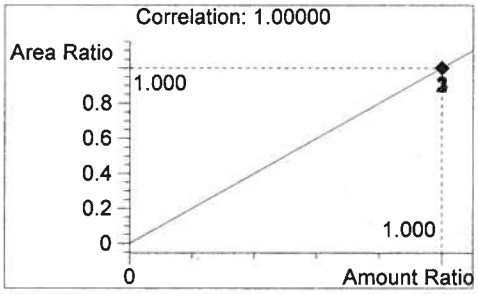


#	Compound	Area	RT
1	Ethanol	958	1.046
2	n-Propanol	2819	1.711
Tot			

RF



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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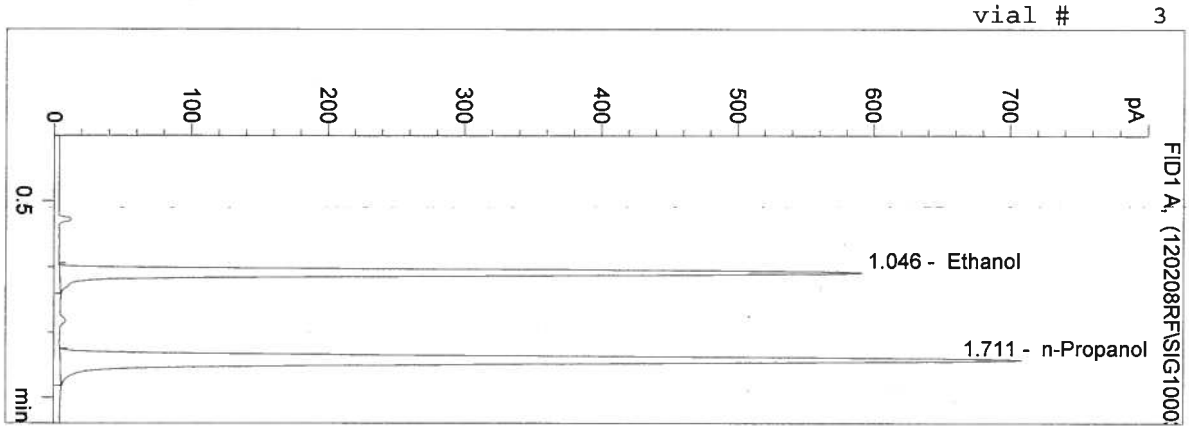
2/8/2012 12:27:49 PM
Instrument 1
DB-ALC1

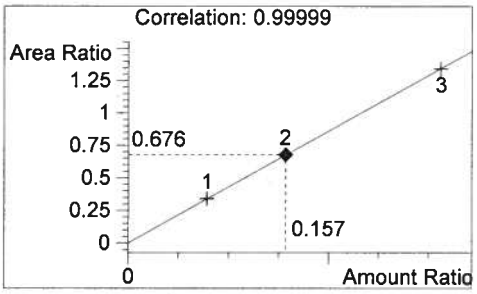
0.158 CAL 2
Rebecca Flaherty

vial # 3

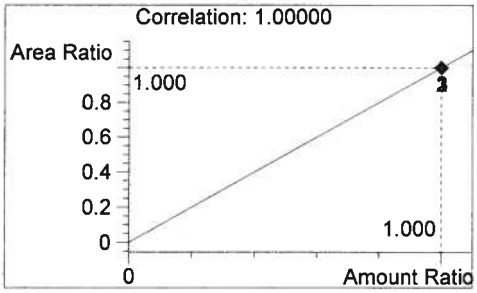


#	Compound	Area	RT
1	Ethanol	1926	1.046
2	n-Propanol	2847	1.711
Tot			

RF



Ethanol 0.157 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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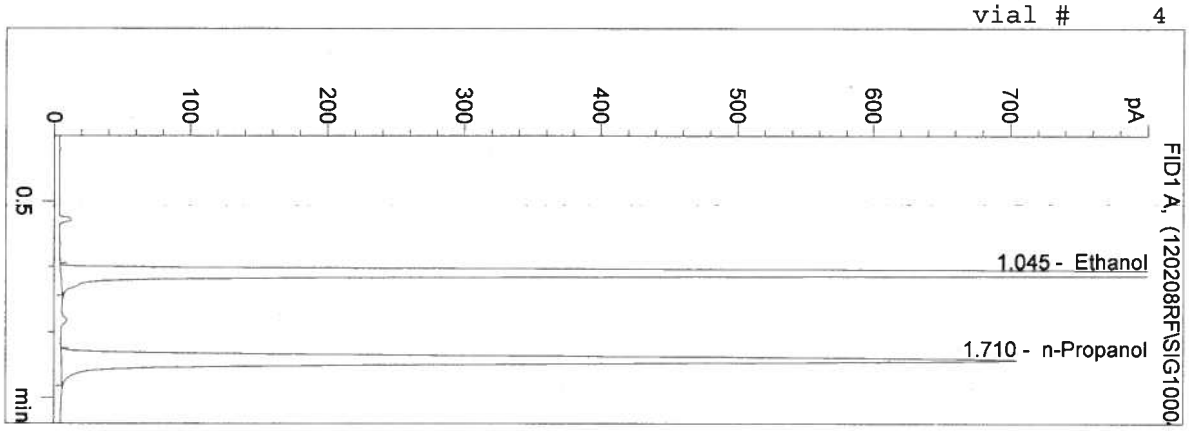
2/8/2012 12:30:54 PM
Instrument 1
DB-ALC1

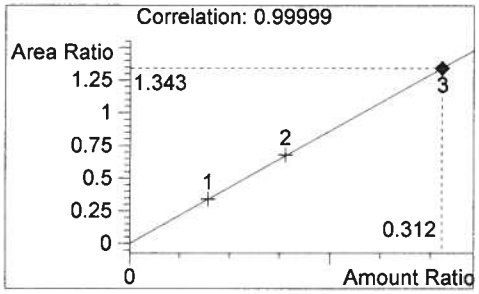
0.316 CAL 3
Rebecca Flaherty

vial # 4

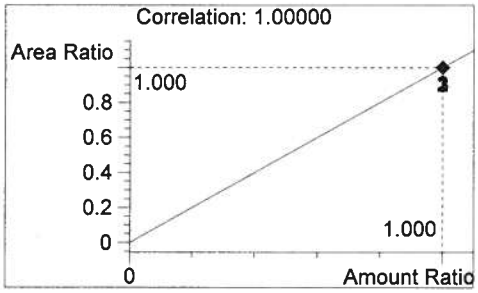


#	Compound	Area	RT
1	Ethanol	3798	1.045
2	n-Propanol	2828	1.710
Tot			

RF



Ethanol 0.312 g/100 mL



n-Propanol 1.000 g/100 mL

12008
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WASHINGTON STATE TOXICOLOGY LABORATORY

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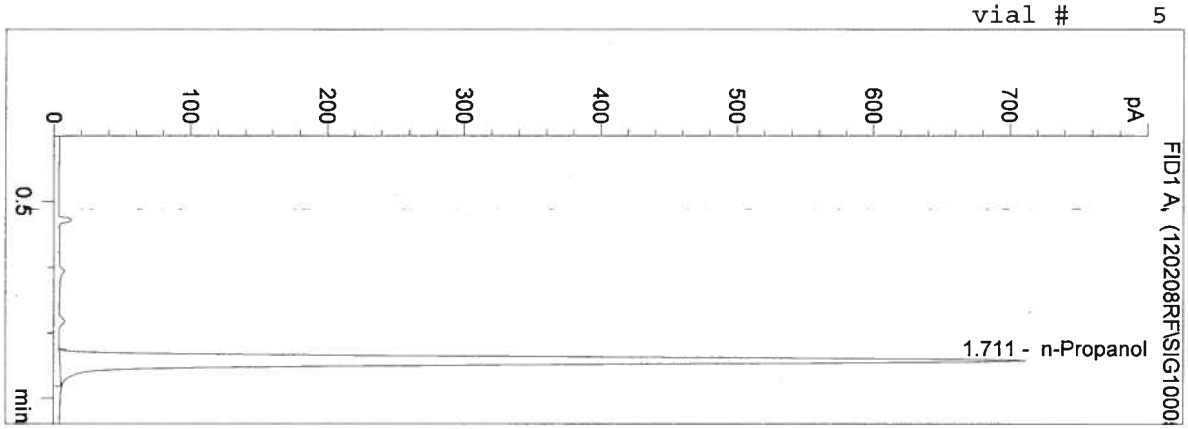
2/8/2012 12:33:58 PM
Instrument 1
DB-ALC1

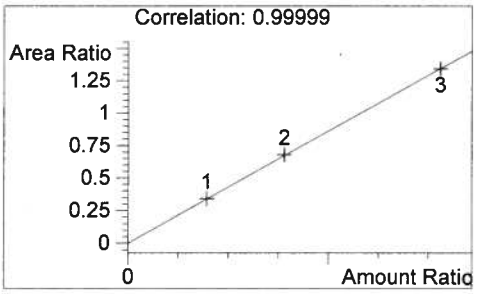
NEG CONTROL-RF
Rebecca Flaherty

vial # 5

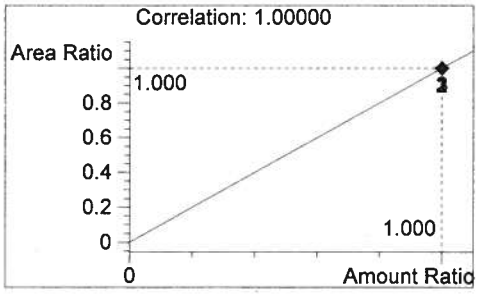


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2856	1.711
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12008
12009
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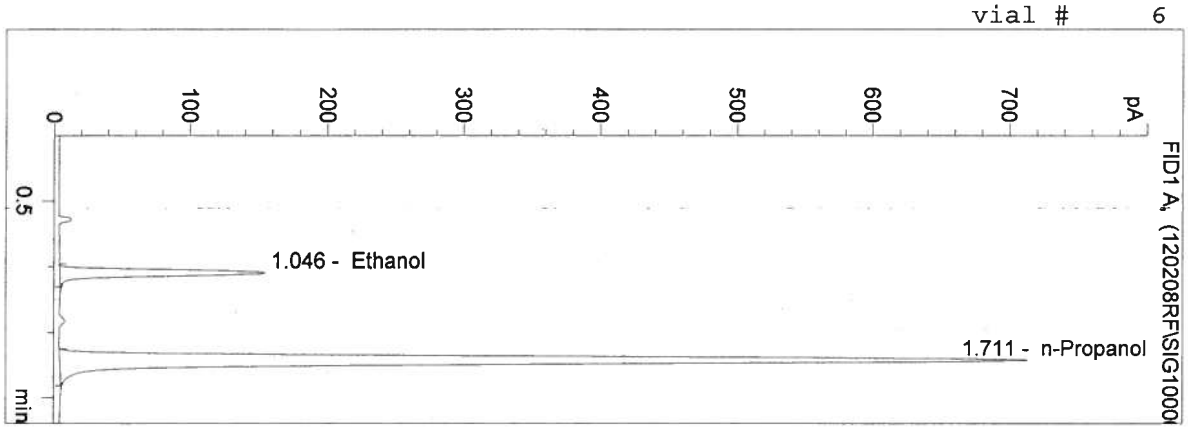
12011

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
2/8/2012 12:37:03 PM
Instrument 1
DB-ALC1

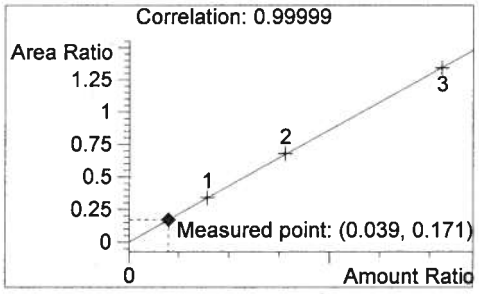
0.04 CONTROL-RF
Rebecca Flaherty

vial # 6

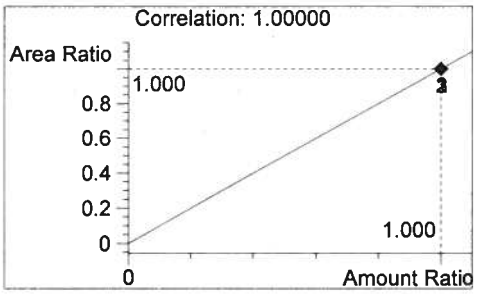


#	Compound	Area	RT
1	Ethanol	490	1.046
2	n-Propanol	2866	1.711
Tot			

RF



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

12008
12009
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12010
12011 bd 2/23/12

WASHINGTON STATE TOXICOLOGY LABORATORY

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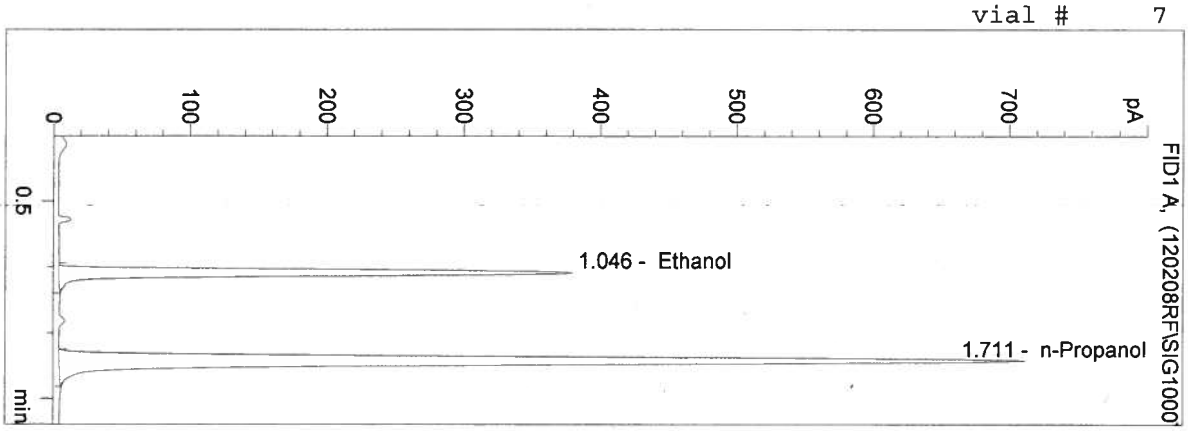
2/8/2012 12:40:08 PM
Instrument 1
DB-ALC1

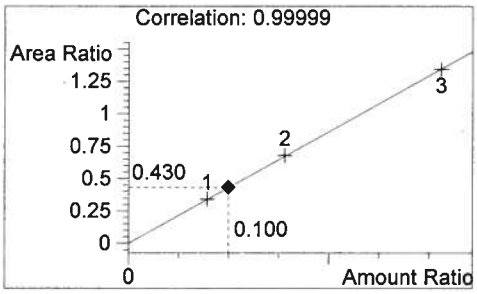
0.10 CONTROL-RF
Rebecca Flaherty

vial # 7

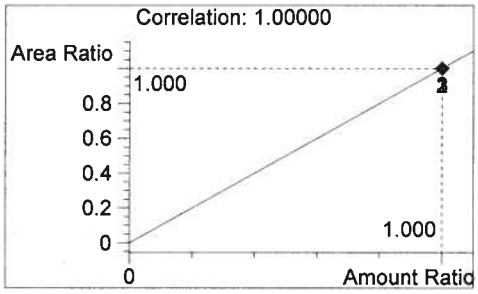


#	Compound	Area	RT
1	Ethanol	1232	1.046
2	n-Propanol	2862	1.711
Tot			

RF



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12008
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WASHINGTON STATE TOXICOLOGY LABORATORY

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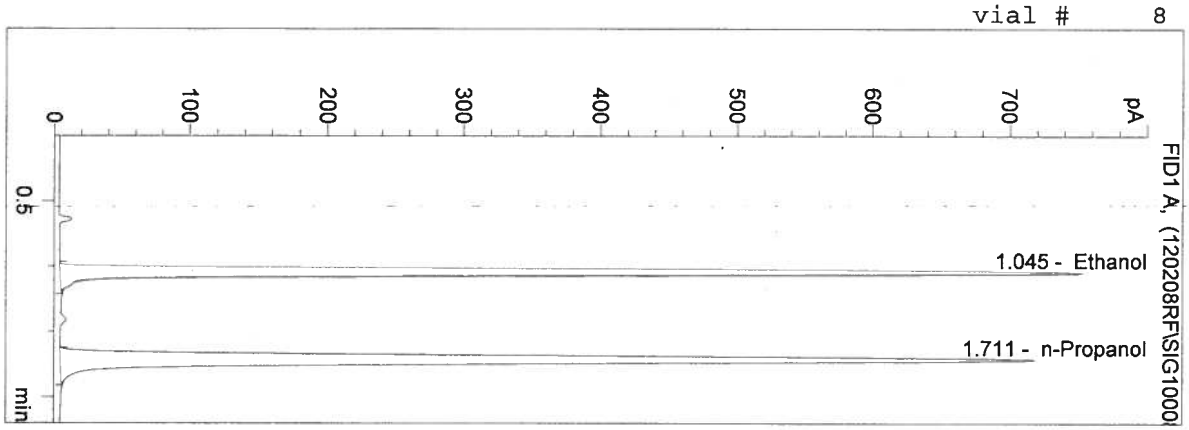
2/8/2012 12:43:12 PM
Instrument 1
DB-ALC1

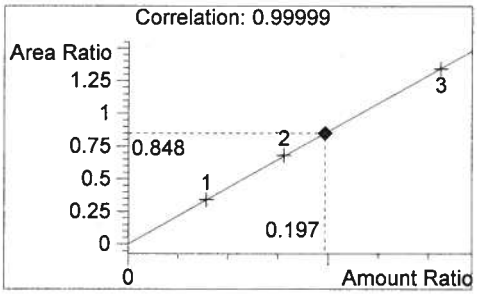
0.20 CONTROL-RF
Rebecca Flaherty

vial # 8

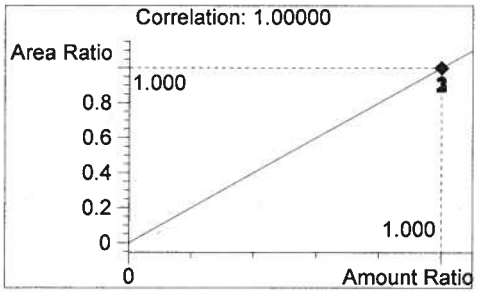


#	Compound	Area	RT
1	Ethanol	2451	1.045
2	n-Propanol	2888	1.711
Tot			

RF



Ethanol 0.197 g/100 mL



n-Propanol 1.000 g/100 mL

12008
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12011

WASHINGTON STATE TOXICOLOGY LABORATORY

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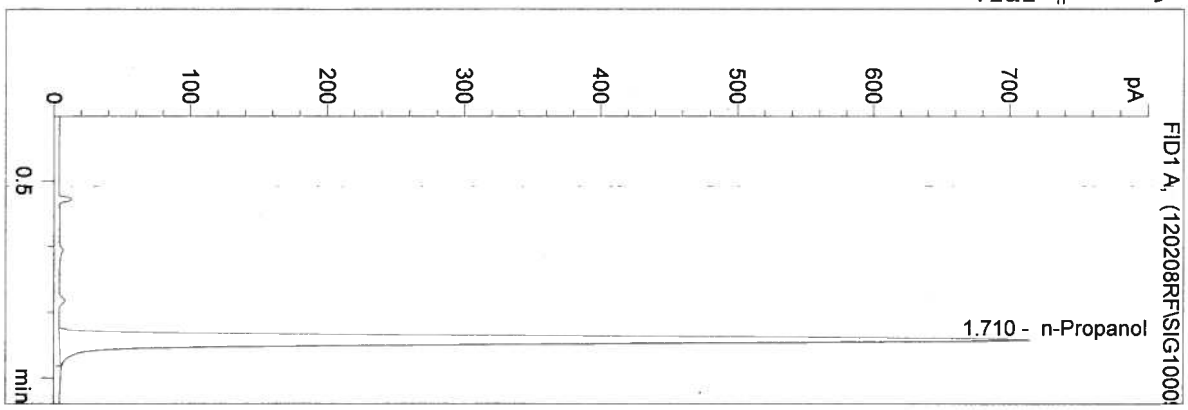
2/8/2012 12:46:17 PM
Instrument 1
DB-ALC1

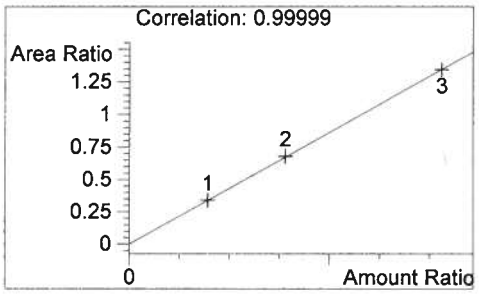
NEG CONTROL-RF
Rebecca Flaherty

vial # 9

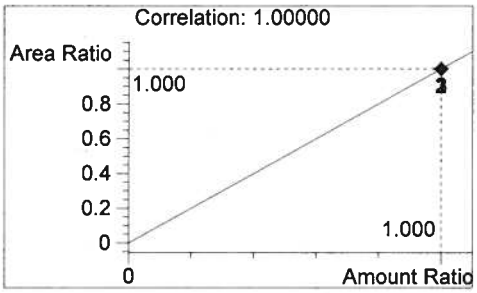


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2872	1.710
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12008
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WASHINGTON STATE TOXICOLOGY LABORATORY

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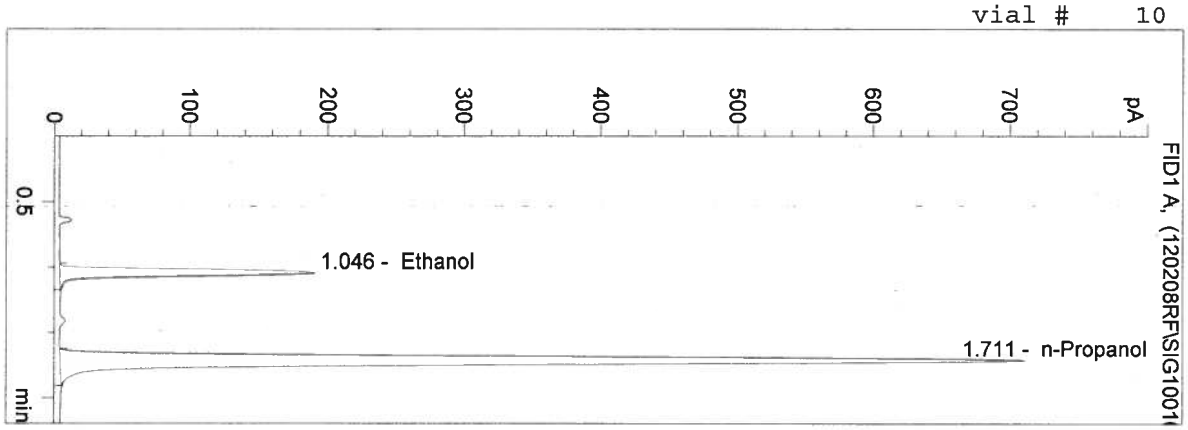
2/8/2012 12:49:22 PM
Instrument 1
DB-ALC1

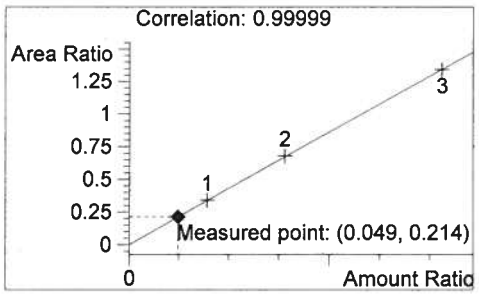
QAP0.04 12008 #1
Rebecca Flaherty

vial # 10

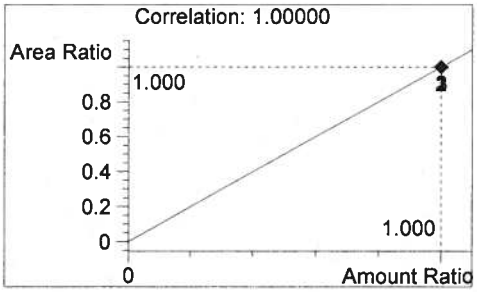


#	Compound	Area	RT
1	Ethanol	611	1.046
2	n-Propanol	2860	1.711
Tot			

RF



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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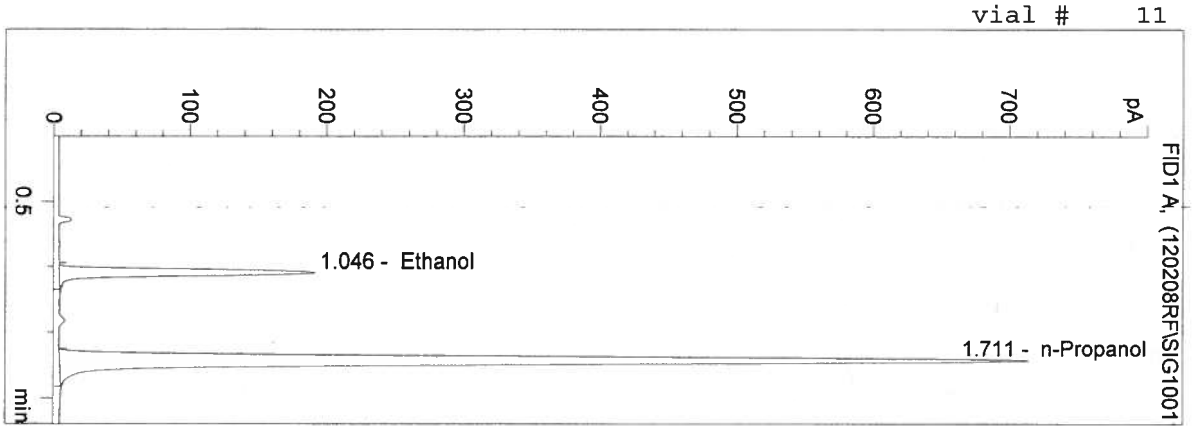
2/8/2012 12:52:27 PM
Instrument 1
DB-ALC1

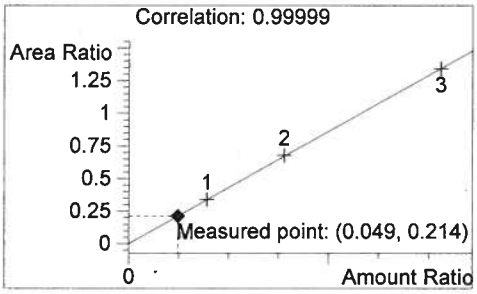
QAP0.04 12008 #2
Rebecca Flaherty

vial # 11

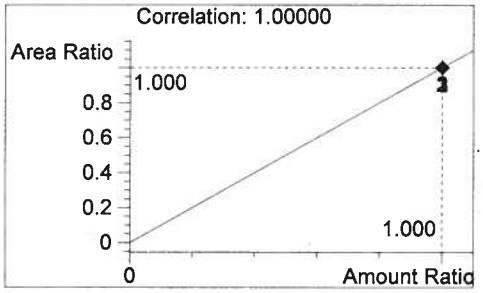


#	Compound	Area	RT
1	Ethanol	615	1.046
2	n-Propanol	2876	1.711
Tot			

RF



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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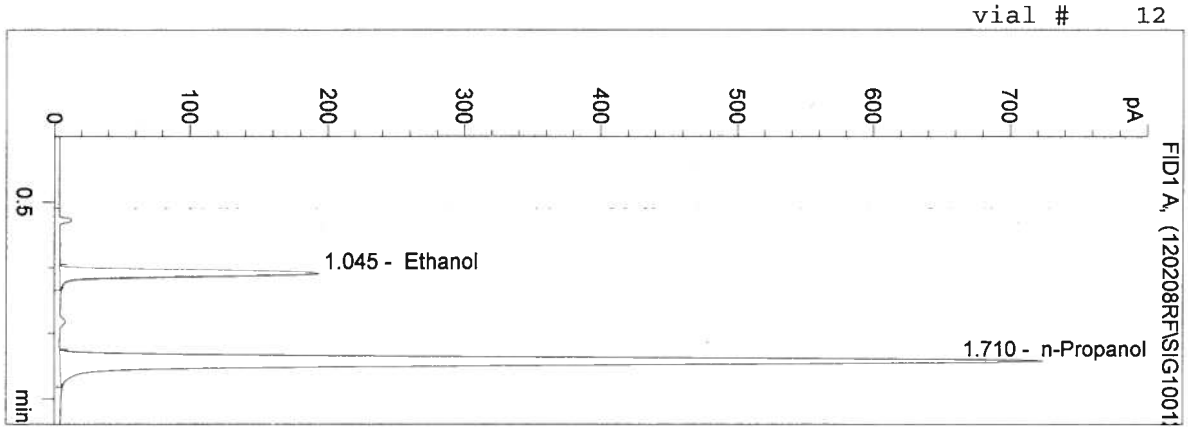
2/8/2012 12:55:31 PM
Instrument 1
DB-ALC1

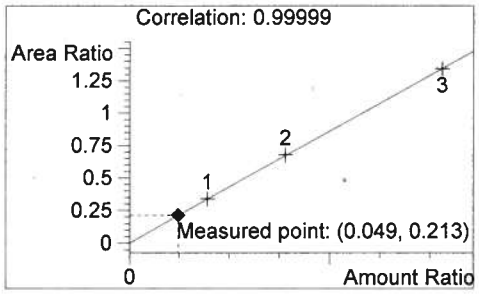
QAP0.04 12008 #3
Rebecca Flaherty

vial # 12

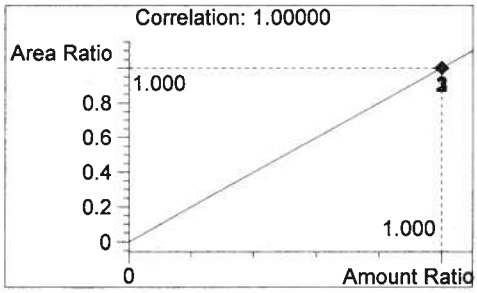


#	Compound	Area	RT
1	Ethanol	618	1.045
2	n-Propanol	2904	1.710
Tot			

RF



Ethanol 0.049 g/100 mL



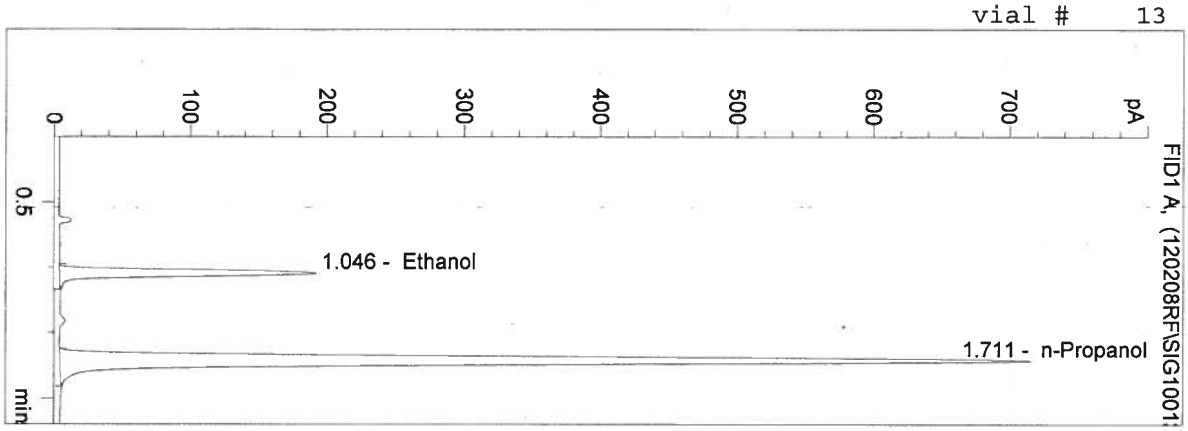
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
2/8/2012 12:58:36 PM
Instrument 1
DB-ALC1

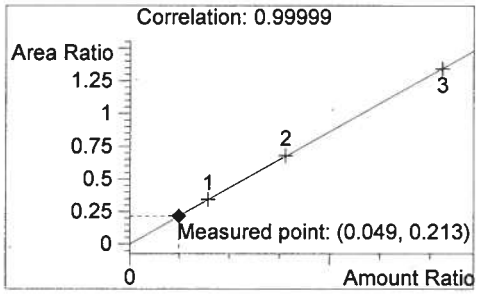
QAP0.04 12008 #4
Rebecca Flaherty

vial # 13

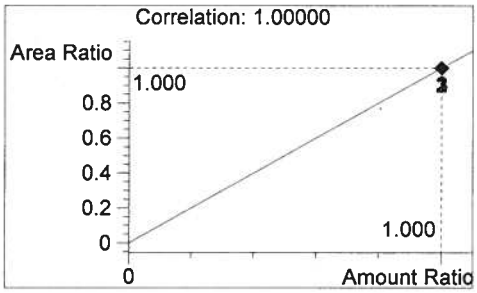


#	Compound	Area	RT
1	Ethanol	614	1.046
2	n-Propanol	2878	1.711
Tot			

RF



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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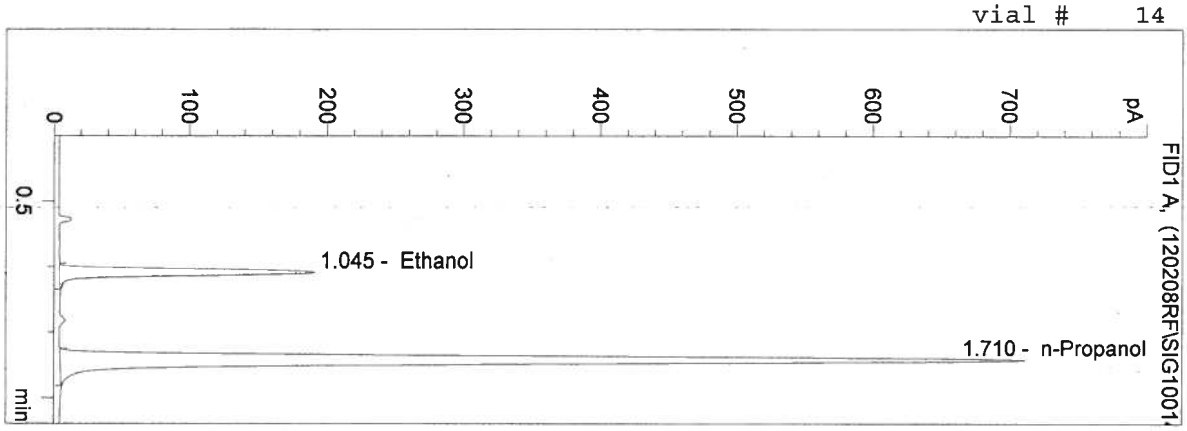
2/8/2012 1:01:41 PM
Instrument 1
DB-ALC1

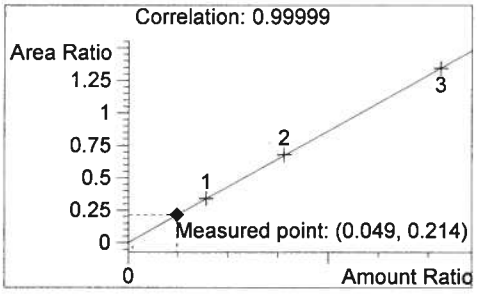
QAP0.04 12008 #5
Rebecca Flaherty

vial # 14

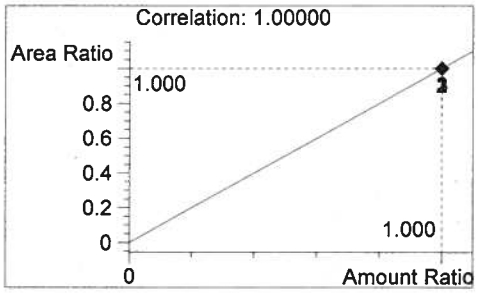


#	Compound	Area	RT
1	Ethanol	610	1.045
2	n-Propanol	2858	1.710
Tot			

RF



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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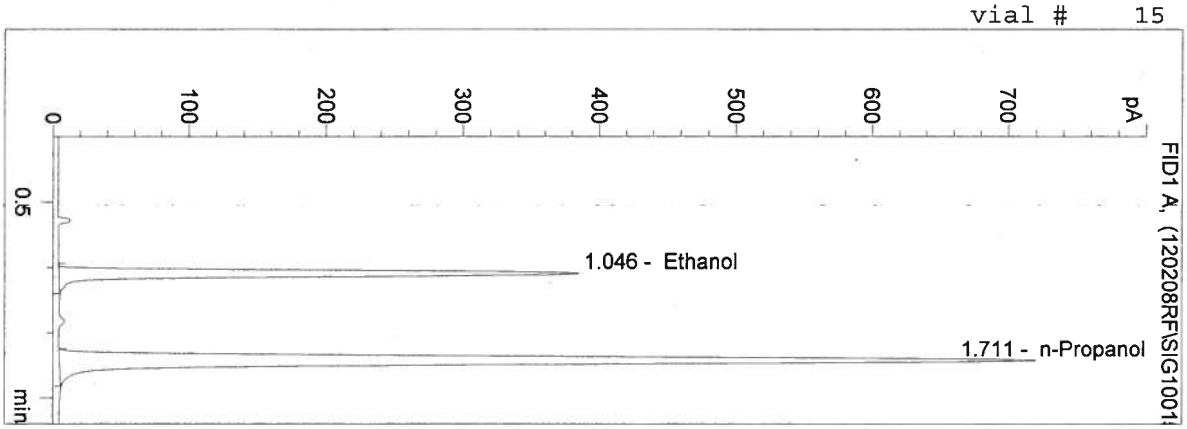
2/8/2012 1:04:46 PM
Instrument 1
DB-ALC1

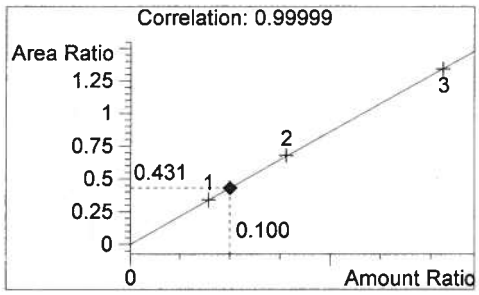
0.10 CONTROL-RF
Rebecca Flaherty

vial # 15

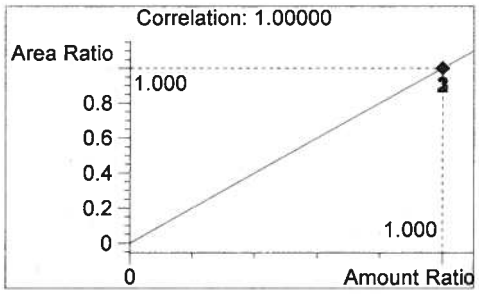


#	Compound	Area	RT
1	Ethanol	1251	1.046
2	n-Propanol	2900	1.711
Tot			

RF



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12008

WASHINGTON STATE TOXICOLOGY LABORATORY

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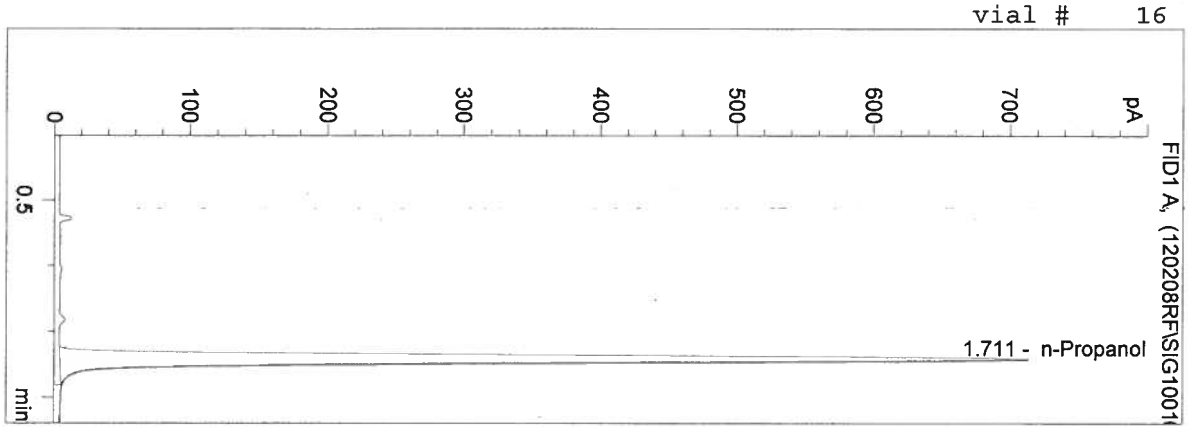
2/8/2012 1:07:50 PM
Instrument 1
DB-ALC1

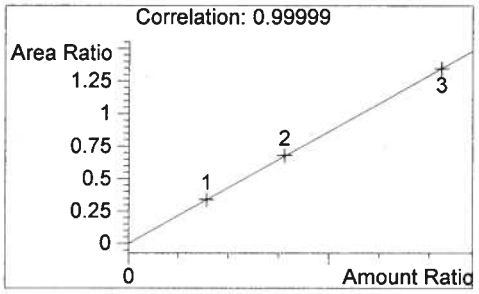
NEG CONTROL-RF
Rebecca Flaherty

vial # 16

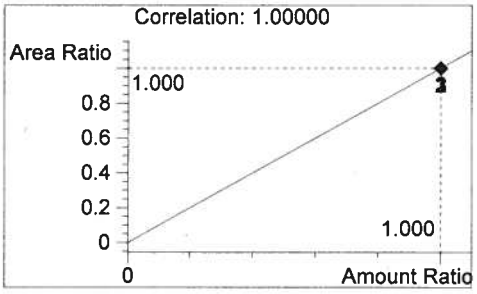


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2876	1.711
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12008

Sequence Parameters:

Operator:	Christie Mitchell-Mata
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:	120210CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E0112-01 Exp. 4/29/12
3	Vial 3	Lot#E0112-02 Exp. 4/29/12
4	Vial 4	Lot#E0112-03 Exp. 4/29/12
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	

12008
12009
12010
12011
CM

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

Line	Location	Sample Information
17	Vial 17	
18	Vial 18	
19	Vial 19	
20	Vial 20	
21	Vial 21	
22	Vial 22	
23	Vial 23	
24	Vial 24	
25	Vial 25	
26	Vial 26	
27	Vial 27	
28	Vial 28	
29	Vial 29	
30	Vial 30	
31	Vial 31	
32	Vial 32	
33	Vial 33	
34	Vial 34	
35	Vial 35	
36	Vial 36	
37	Vial 37	

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	12008 #1	SIMALC1	1	Sample		
11	Vial 11	12008 #2	SIMALC1	1	Sample		
12	Vial 12	12008 #3	SIMALC1	1	Sample		
13	Vial 13	12008 #4	SIMALC1	1	Sample		
14	Vial 14	12008 #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	12009 #1	SIMALC1	1	Sample		

12008
12009
12010
12011

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
18	Vial 18	12009 #2	SIMALC1	1	Sample		
19	Vial 19	12009 #3	SIMALC1	1	Sample		
20	Vial 20	12009 #4	SIMALC1	1	Sample		
21	Vial 21	12009 #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	12010 #1	SIMALC1	1	Sample		
25	Vial 25	12010 #2	SIMALC1	1	Sample		
26	Vial 26	12010 #3	SIMALC1	1	Sample		
27	Vial 27	12010 #4	SIMALC1	1	Sample		
28	Vial 28	12010 #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	12011 #1	SIMALC1	1	Sample		
32	Vial 32	12011 #2	SIMALC1	1	Sample		
33	Vial 33	12011 #3	SIMALC1	1	Sample		
34	Vial 34	12011 #4	SIMALC1	1	Sample		
35	Vial 35	12011 #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!

12008
12009
12010
12011
CM

Calibration Table

Calib. Data Modified : Friday, February 10, 2012 10:02:22 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	7.90200e-2	955.96545	8.26599e-5	1		Ethanol
		2	1.58720e-1	1914.19739	8.29173e-5			
		3	3.17800e-1	3861.85669	8.22920e-5			
1.710	1	1	1.00000	2563.02368	3.90164e-4	I1		n-Propanol
		2	1.00000	2570.58179	3.89017e-4			
		3	1.00000	2615.82642	3.82288e-4			

Peak Sum Table

No Entries in table

12008
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Calibration Curves

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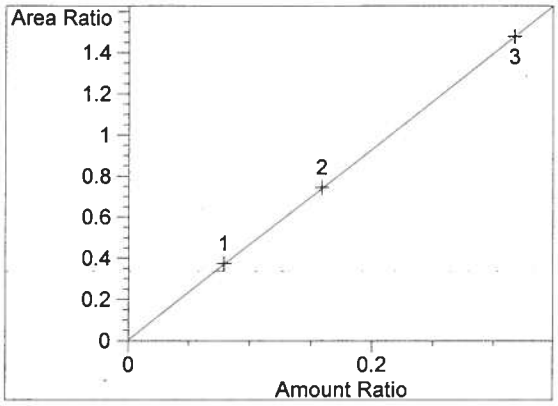
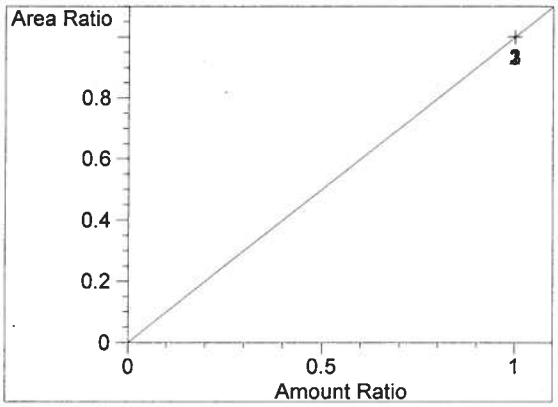


Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00468
Formula: y = mx + b
m: 4.64175
b: 3.82577e-3
x: Amount Ratio
y: Area Ratio



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

==========

12008
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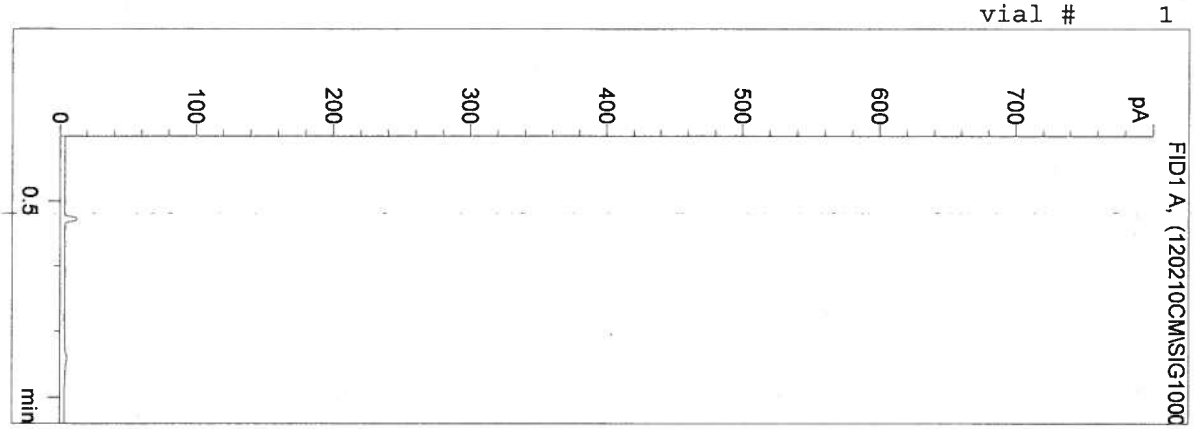
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
2/10/2012 9:50:55 AM
Instrument 1
DB-ALC1

BLANK
Christie Mitchell-Mata

vial # 1



#	Compound	Area	RT
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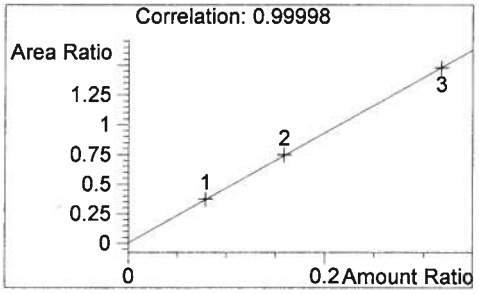
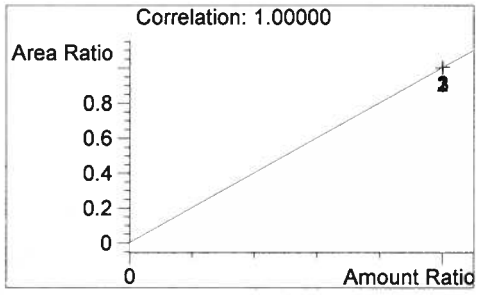
2	n-Propanol	0	0.000
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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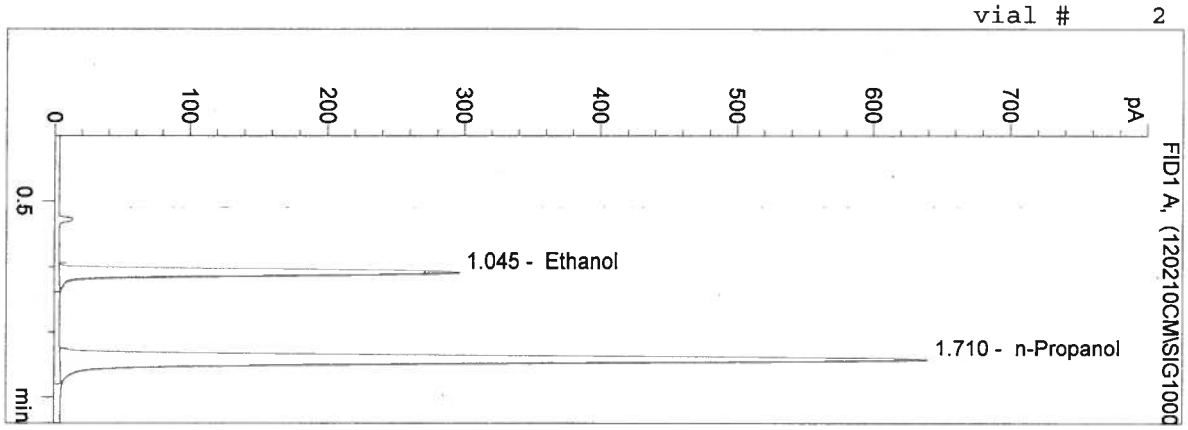
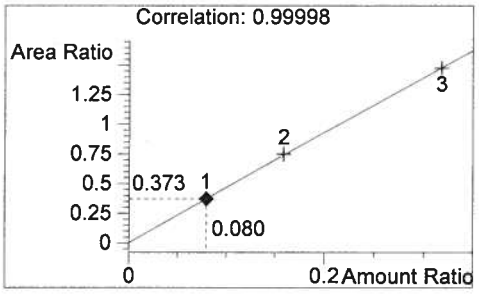
2/10/2012 9:53:59 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Christie Mitchell-Mata

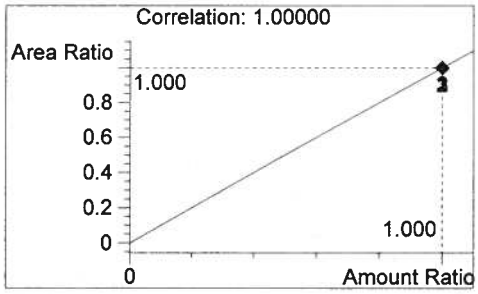
vial # 2



#	Compound	Area	RT
1	Ethanol	956	1.045
2	n-Propanol	2563	1.710
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

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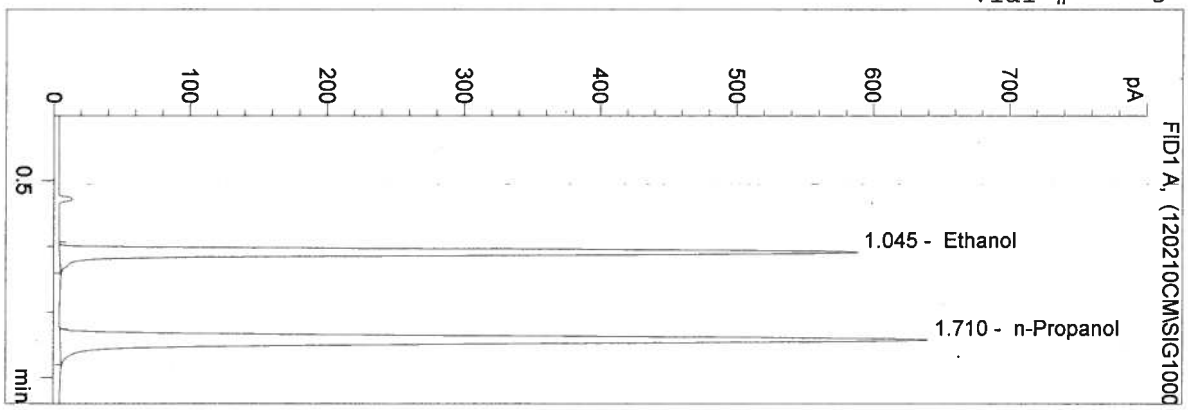
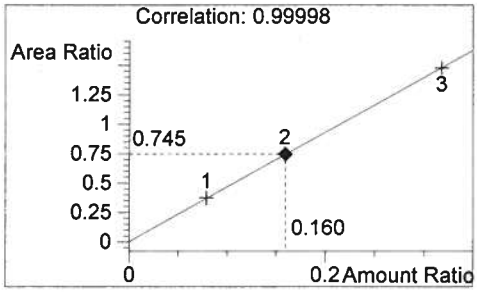
2/10/2012 9:57:04 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Christie Mitchell-Mata

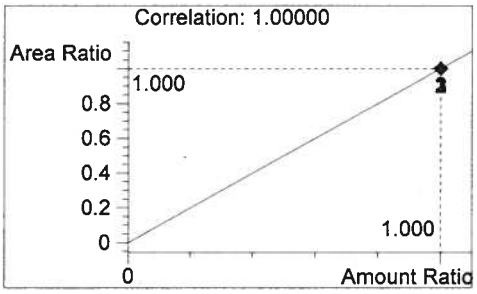
vial # 3



#	Compound	Area	RT
1	Ethanol	1914	1.045
2	n-Propanol	2571	1.710
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

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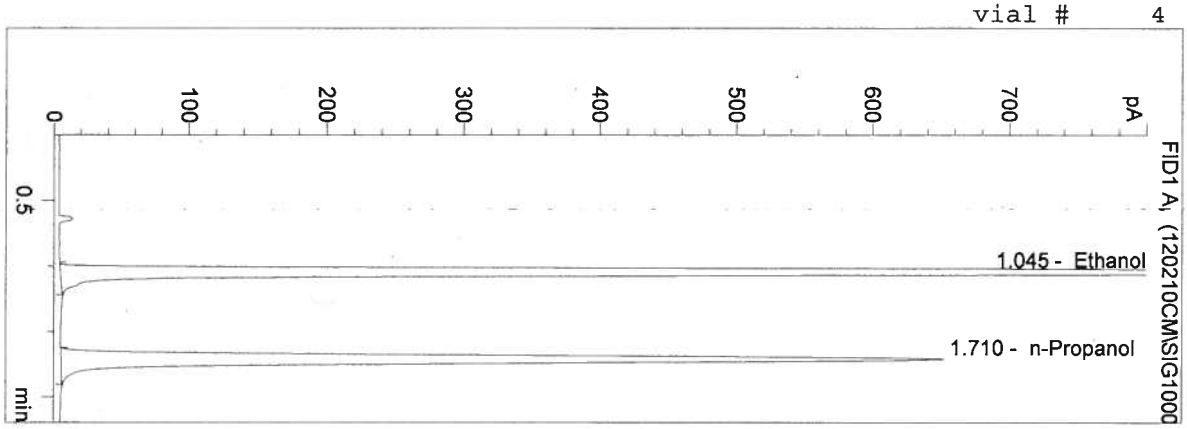
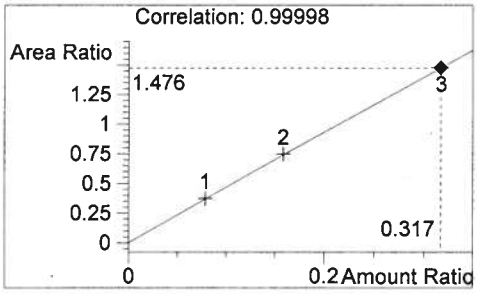
2/10/2012 10:00:09 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Christie Mitchell-Mata

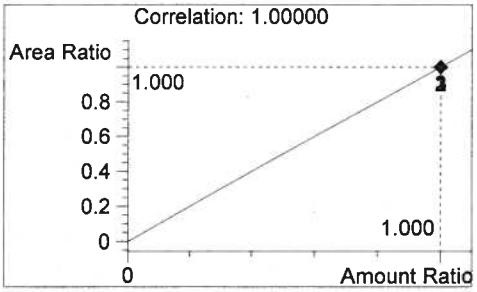
vial # 4



#	Compound	Area	RT
1	Ethanol	3862	1.045
2	n-Propanol	2616	1.710
Tot			



Ethanol 0.317 g/100 mL



n-Propanol 1.000 g/100 mL

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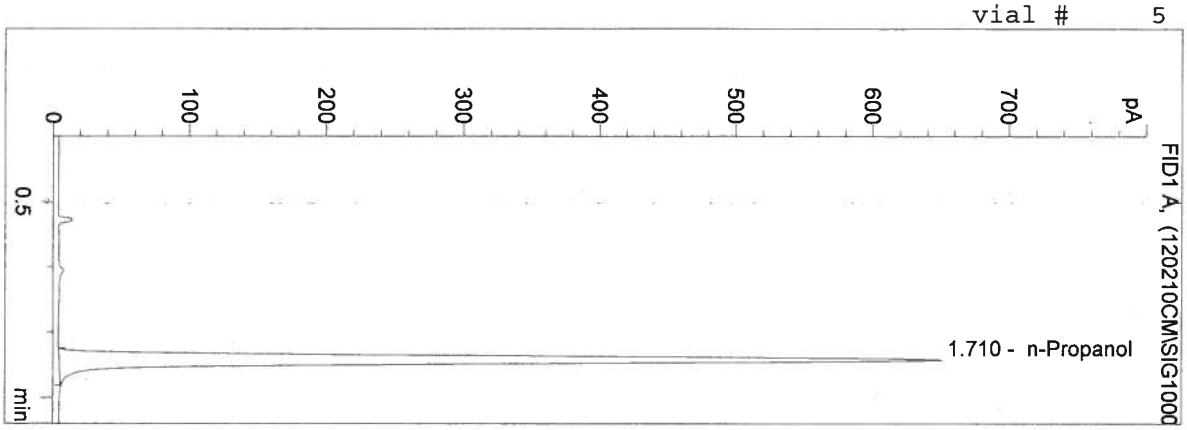
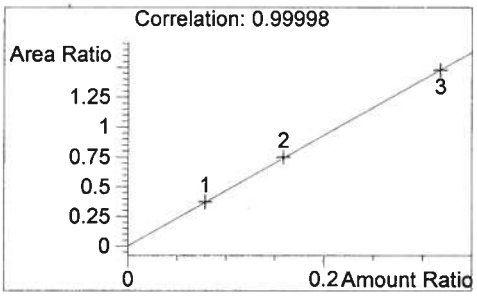
2/10/2012 10:03:13 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

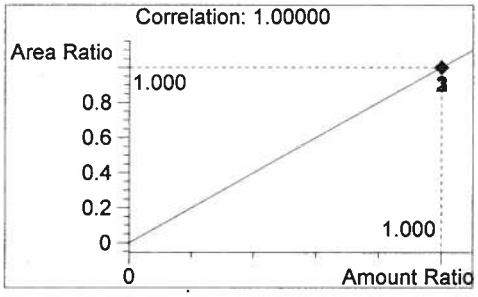
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2610	1.710
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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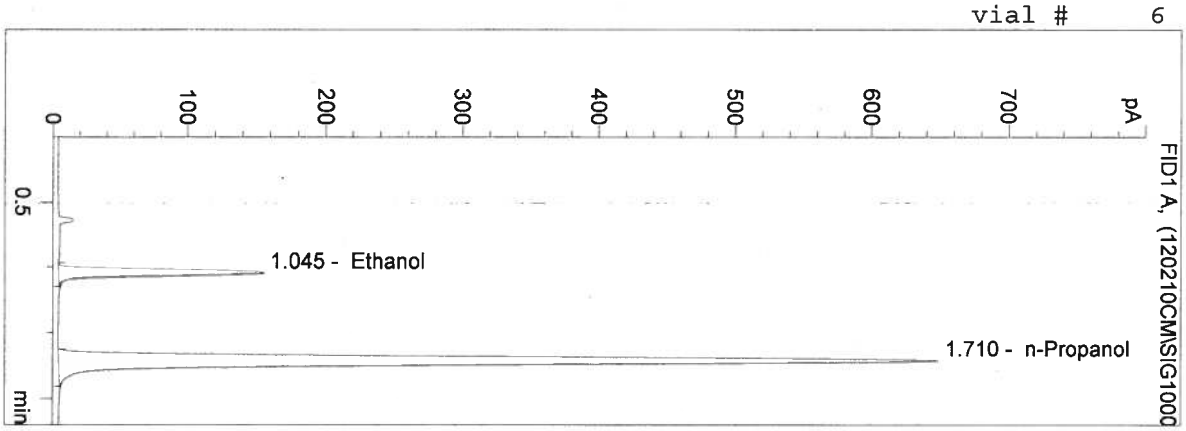
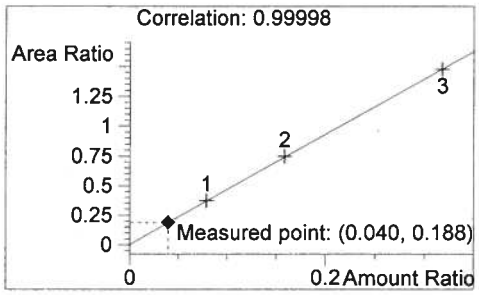
2/10/2012 10:06:18 AM
Instrument 1
DB-ALC1

0.04 CTRL - CM
Christie Mitchell-Mata

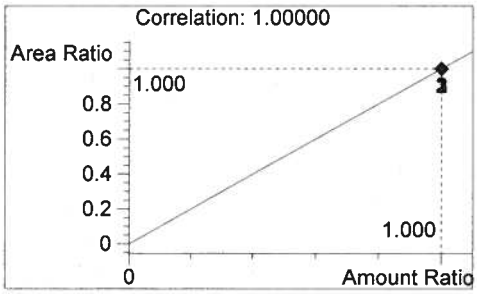
vial # 6



#	Compound	Area	RT
1	Ethanol	490	1.045
2	n-Propanol	2609	1.710
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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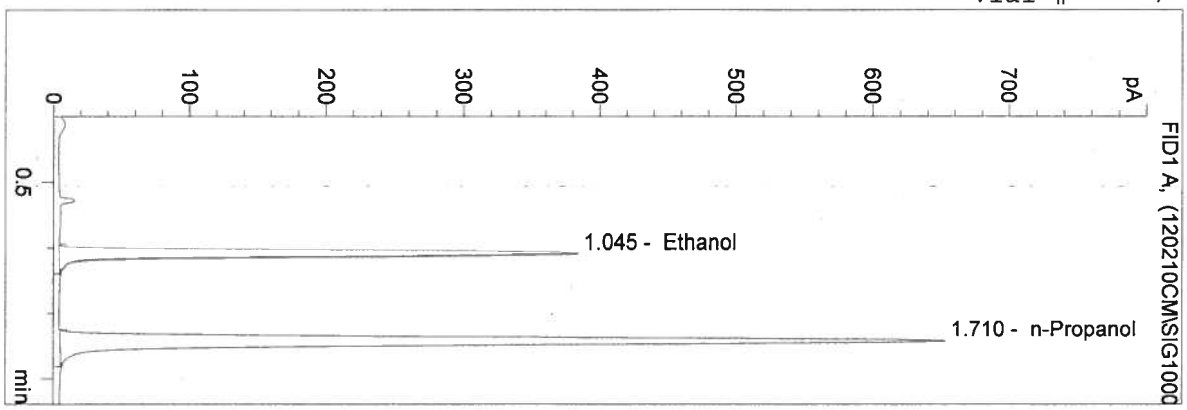
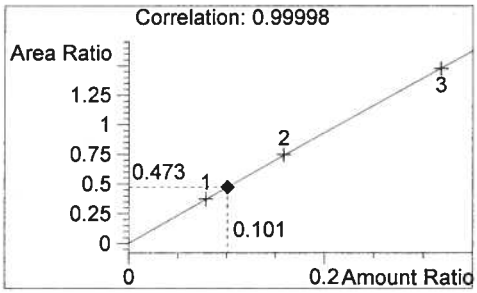
2/10/2012 10:09:23 AM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell-Mata

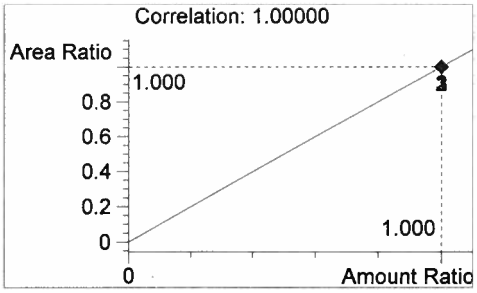
vial # 7



#	Compound	Area	RT
1	Ethanol	1241	1.045
2	n-Propanol	2623	1.710
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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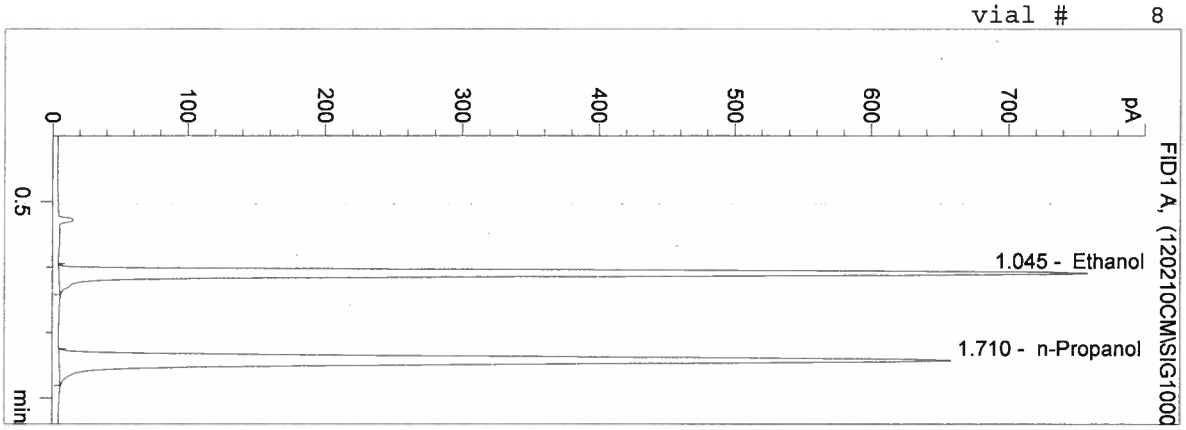
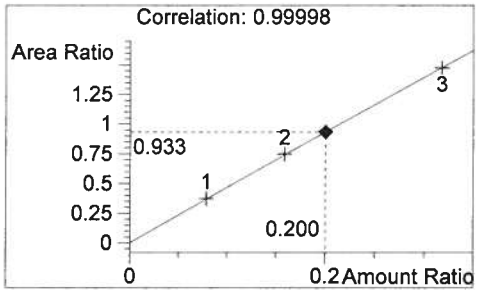
2/10/2012 10:12:27 AM
Instrument 1
DB-ALC1

0.20 CTRL -CM
Christie Mitchell-Mata

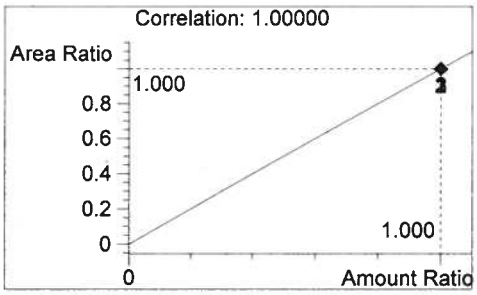
vial # 8



#	Compound	Area	RT
1	Ethanol	2460	1.045
2	n-Propanol	2637	1.710
Tot			



Ethanol 0.200 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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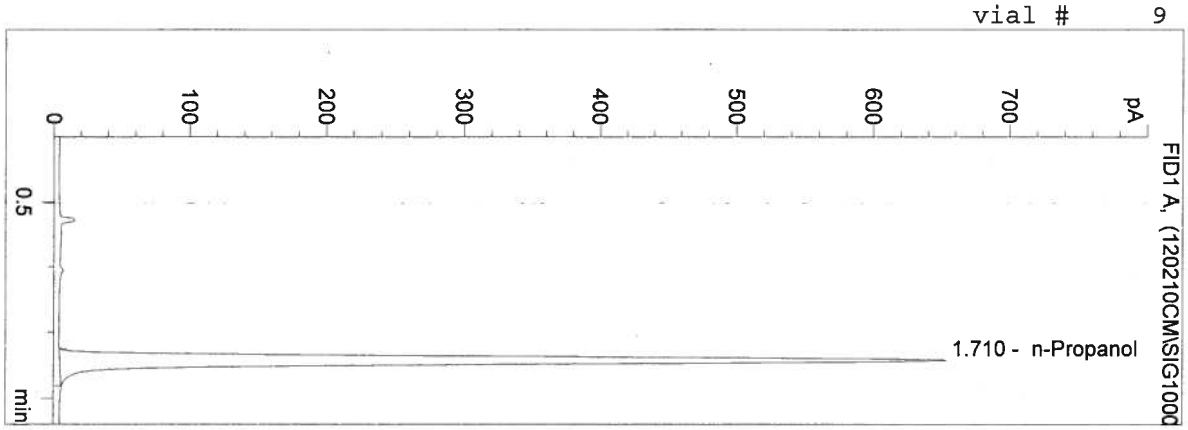
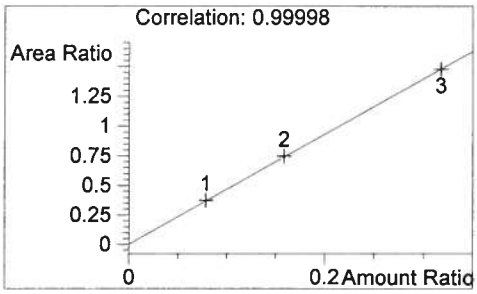
2/10/2012 10:15:32 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

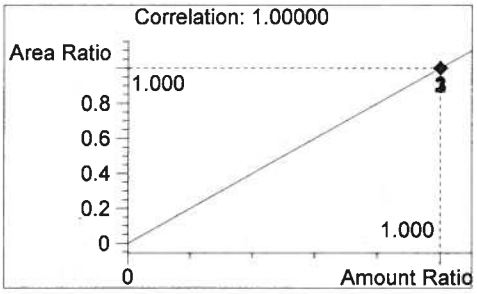
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2618	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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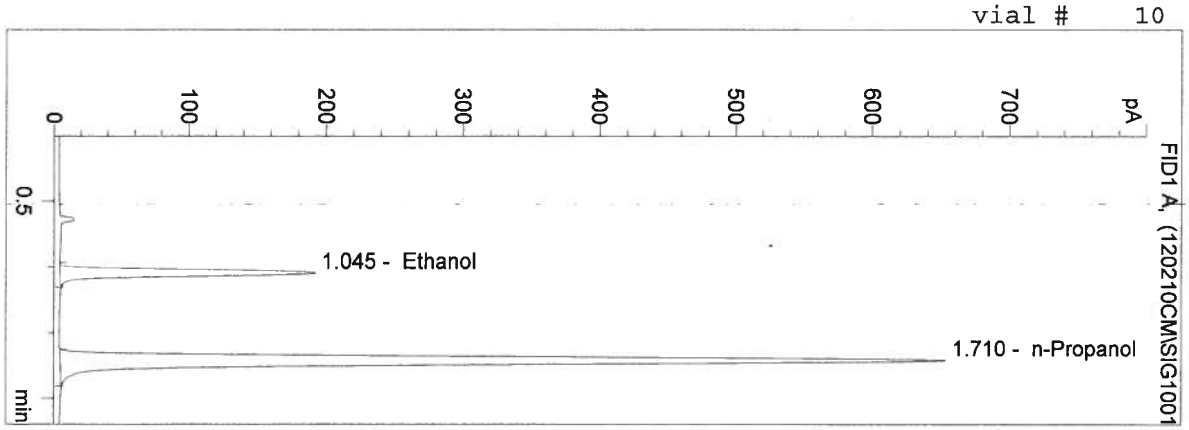
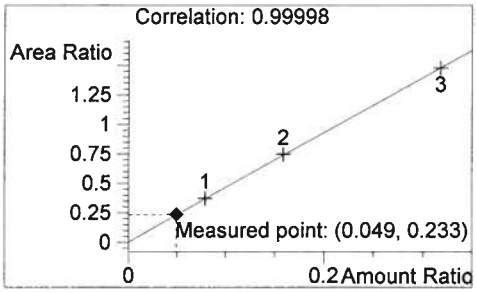
2/10/2012 10:18:37 AM
Instrument 1
DB-ALC1

12008 #1
Christie Mitchell-Mata

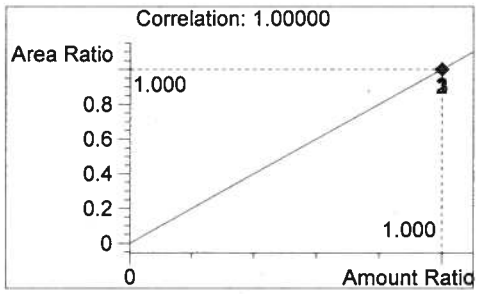
vial # 10



#	Compound	Area	RT
1	Ethanol	610	1.045
2	n-Propanol	2620	1.710
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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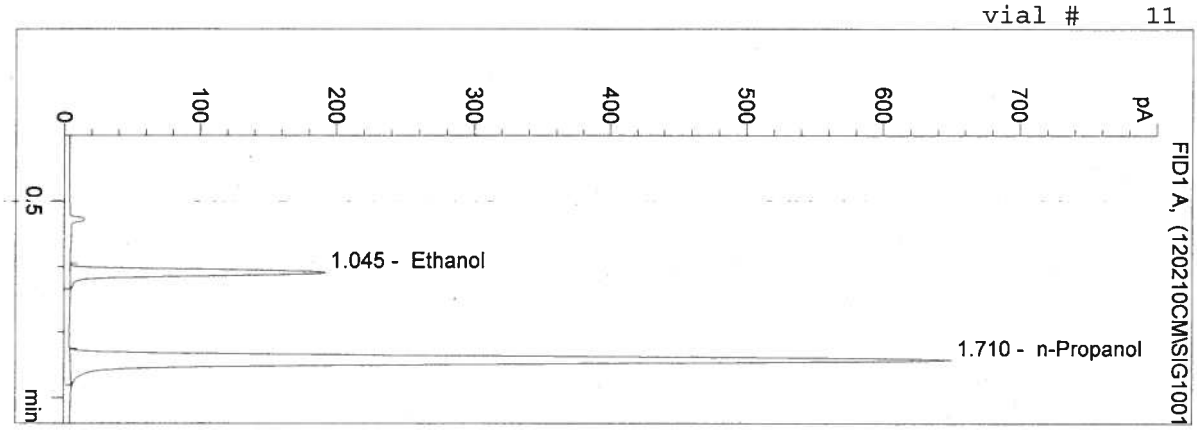
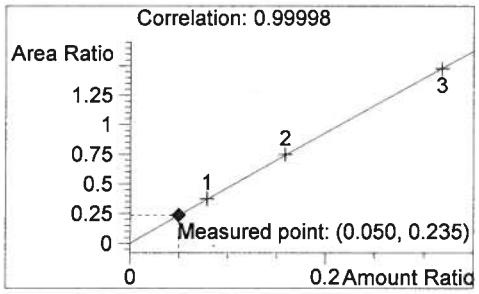
2/10/2012 10:21:42 AM
Instrument 1
DB-ALC1

12008 #2
Christie Mitchell-Mata

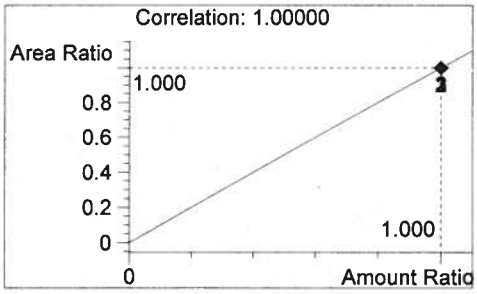
vial # 11



#	Compound	Area	RT
1	Ethanol	612	1.045
2	n-Propanol	2606	1.710
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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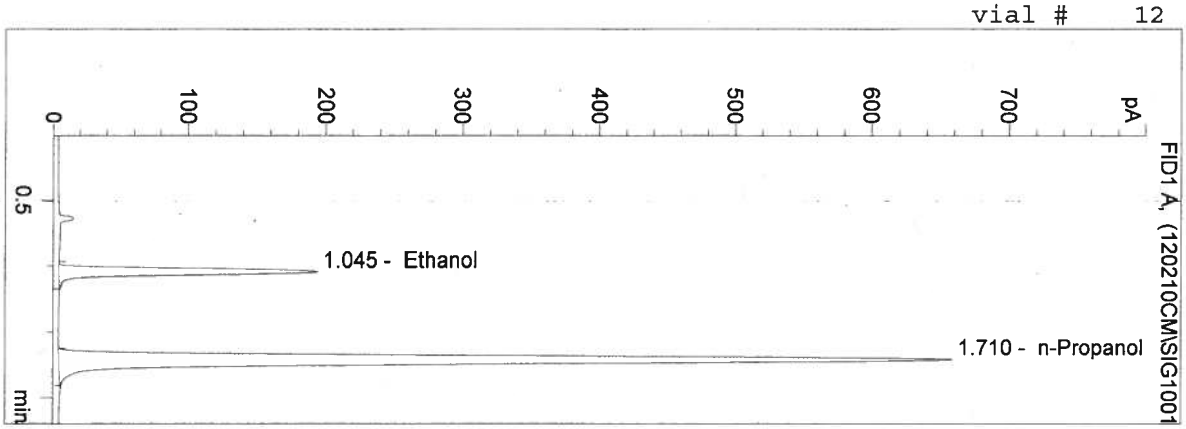
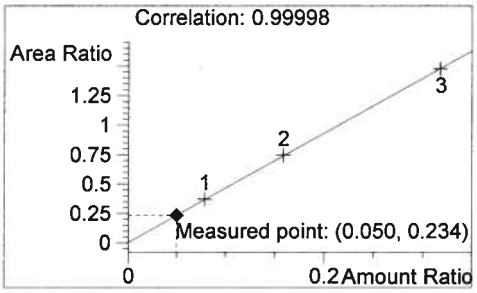
2/10/2012 10:24:46 AM
Instrument 1
DB-ALC1

12008 #3
Christie Mitchell-Mata

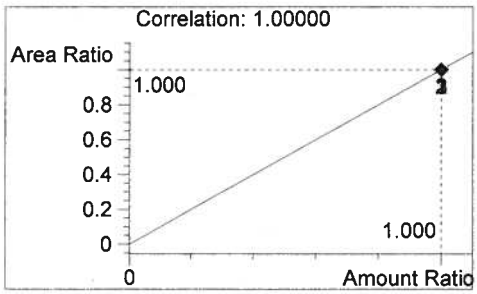
vial # 12



#	Compound	Area	RT
1	Ethanol	619	1.045
2	n-Propanol	2643	1.710
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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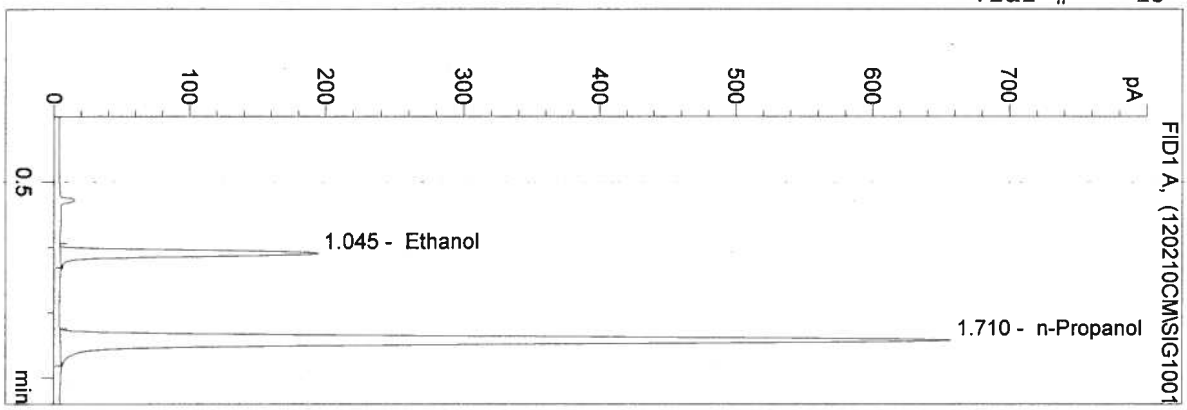
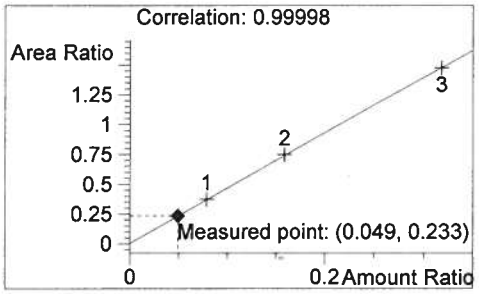
2/10/2012 10:27:51 AM
Instrument 1
DB-ALC1

12008 #4
Christie Mitchell-Mata

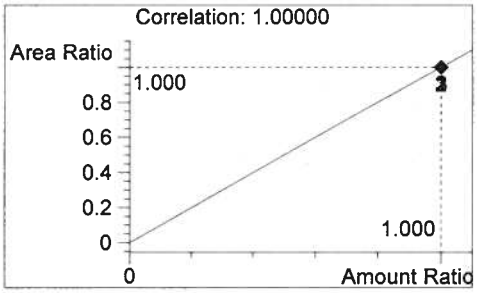
vial # 13



#	Compound	Area	RT
1	Ethanol	615	1.045
2	n-Propanol	2635	1.710
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

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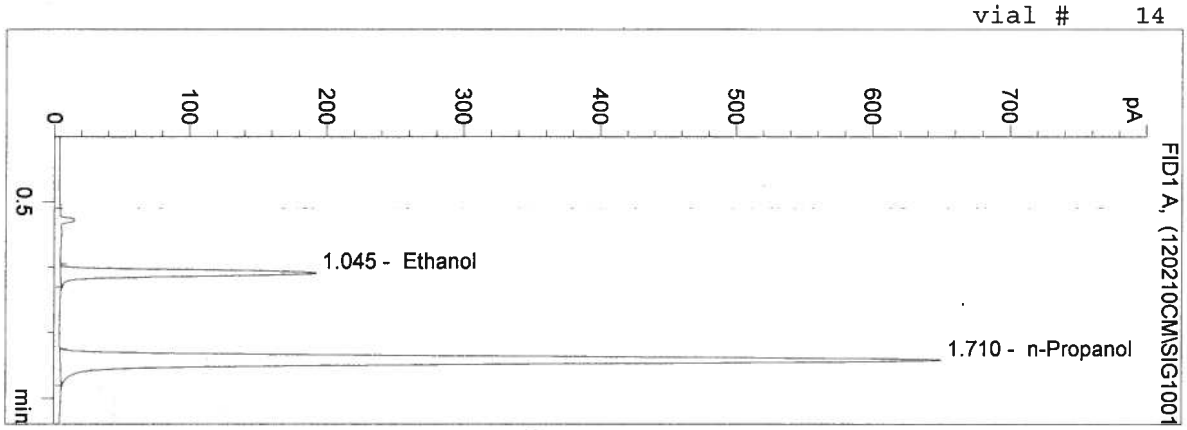
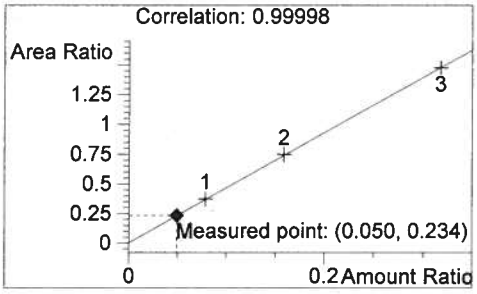
2/10/2012 10:30:55 AM
Instrument 1
DB-ALC1

12008 #5
Christie Mitchell-Mata

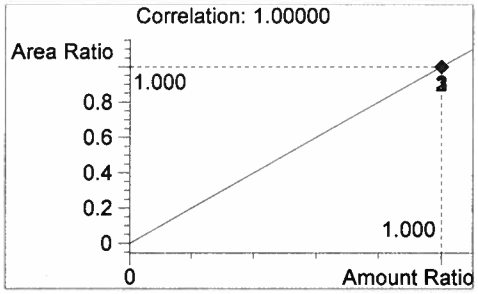
vial # 14



#	Compound	Area	RT
1	Ethanol	611	1.045
2	n-Propanol	2611	1.710
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

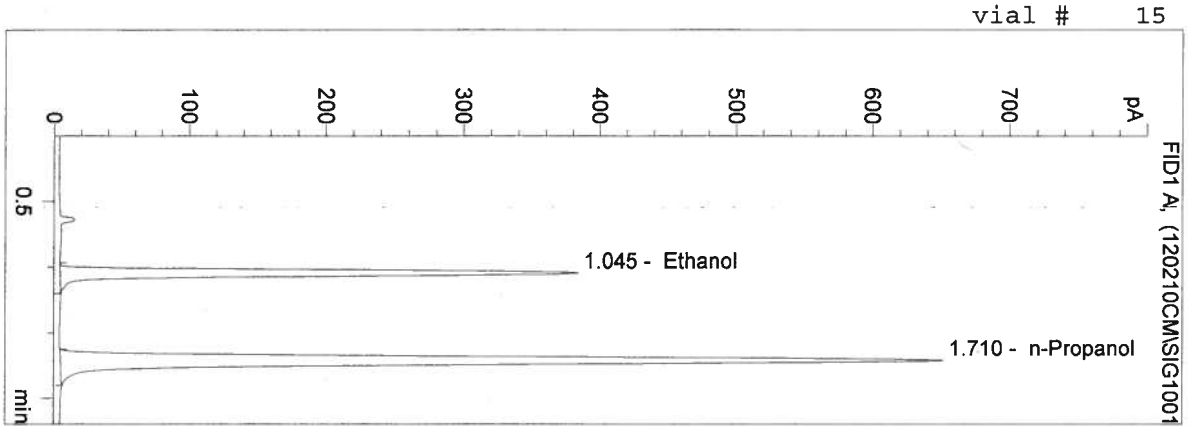
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

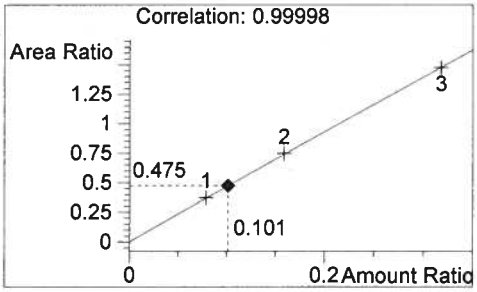
C:\HPCHEM\1\METHODS\SIMALC1.M
2/10/2012 10:34:00 AM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell-Mata

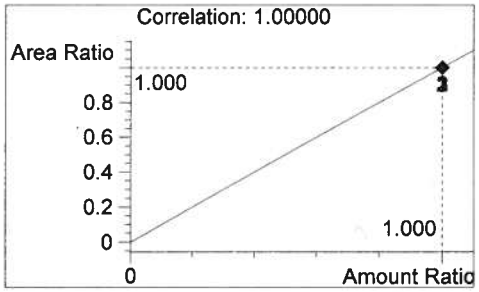
vial # 15



#	Compound	Area	RT
1	Ethanol	1240	1.045
2	n-Propanol	2613	1.710
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12008

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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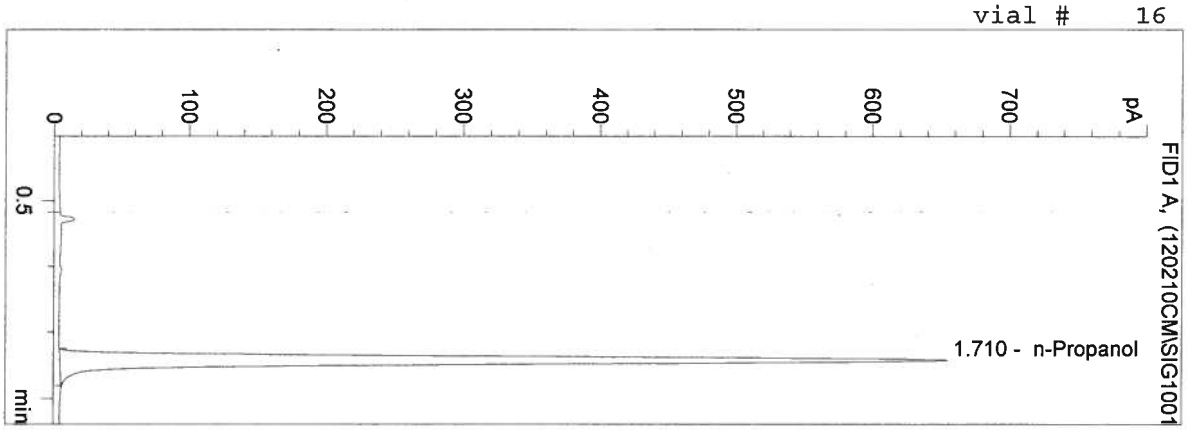
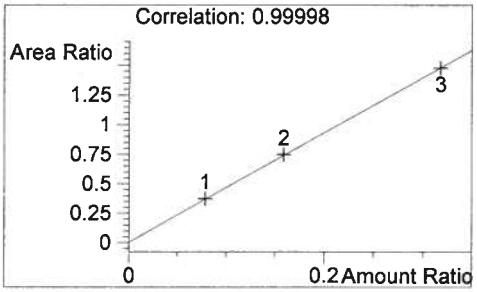
2/10/2012 10:37:05 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

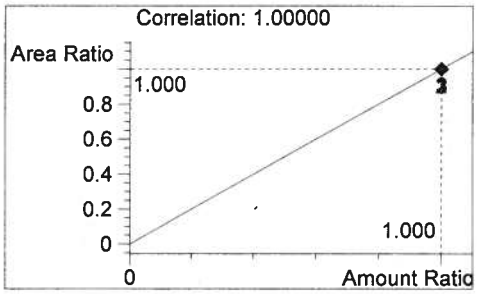
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2628	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12008

CM

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:	120210SS
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E0112-01 Exp. 4/29/12
3	Vial 3	Lot#E0112-02 Exp. 4/29/12
4	Vial 4	Lot#E0112-03 Exp. 4/29/12
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	

SMS

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

Line	Location	Sample Information
17	Vial 17	
18	Vial 18	
19	Vial 19	
20	Vial 20	
21	Vial 21	
22	Vial 22	
23	Vial 23	
24	Vial 24	
25	Vial 25	
26	Vial 26	
27	Vial 27	
28	Vial 28	
29	Vial 29	
30	Vial 30	
31	Vial 31	
32	Vial 32	
33	Vial 33	
34	Vial 34	
35	Vial 35	
36	Vial 36	
37	Vial 37	

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 - 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	12008 #1	SIMALC1	1	Sample		
11	Vial 11	12008 #2	SIMALC1	1	Sample		
12	Vial 12	12008 #3	SIMALC1	1	Sample		
13	Vial 13	12008 #4	SIMALC1	1	Sample		
14	Vial 14	12008 #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		
17	Vial 17	12009 #1	SIMALC1	1	Sample		

SMS

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
18	Vial 18	12009 #2	SIMALC1	1	Sample		
19	Vial 19	12009 #3	SIMALC1	1	Sample		
20	Vial 20	12009 #4	SIMALC1	1	Sample		
21	Vial 21	12009 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL - SS	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL - SS	SIMALC1	1	Ctrl Samp		
24	Vial 24	12010 #1	SIMALC1	1	Sample		
25	Vial 25	12010 #2	SIMALC1	1	Sample		
26	Vial 26	12010 #3	SIMALC1	1	Sample		
27	Vial 27	12010 #4	SIMALC1	1	Sample		
28	Vial 28	12010 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL - SS	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL - SS	SIMALC1	1	Ctrl Samp		
31	Vial 31	12011 #1	SIMALC1	1	Sample		
32	Vial 32	12011 #2	SIMALC1	1	Sample		
33	Vial 33	12011 #3	SIMALC1	1	Sample		
34	Vial 34	12011 #4	SIMALC1	1	Sample		
35	Vial 35	12011 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL - SS	SIMALC1	1	Ctrl Samp		
37	Vial 37	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!

SMS

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Calibration Table

Calib. Data Modified : Friday, February 10, 2012 1:00:06 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
1.046	1	1	7.90200e-2	1000.11749	7.90107e-5	1		Ethanol
		2	1.58720e-1	2001.91736	7.92840e-5			
		3	3.17800e-1	4008.83447	7.92749e-5			
1.711	1	1	1.00000	2641.74341	3.78538e-4	I1		n-Propanol
		2	1.00000	2654.82007	3.76673e-4			
		3	1.00000	2688.26245	3.71987e-4			

Peak Sum Table

No Entries in table

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Calibration Curves

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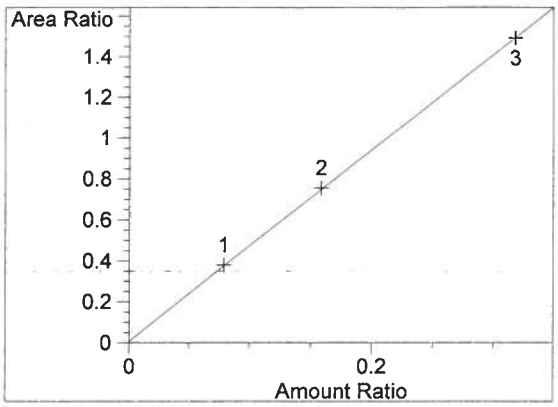
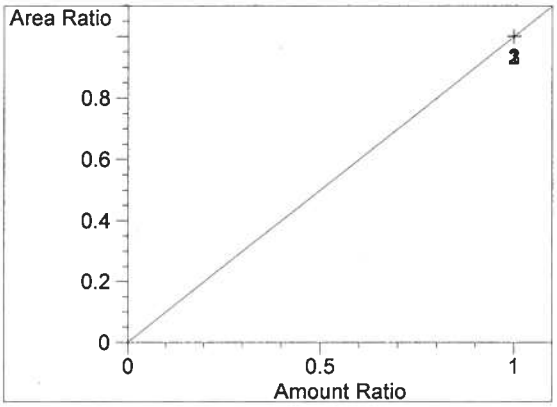


Ethanol at exp. RT: 1.046
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00603
Formula: y = mx + b
m: 4.68727
b: 4.98024e-3
x: Amount Ratio
y: Area Ratio



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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SMS

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WASHINGTON STATE TOXICOLOGY LABORATORY

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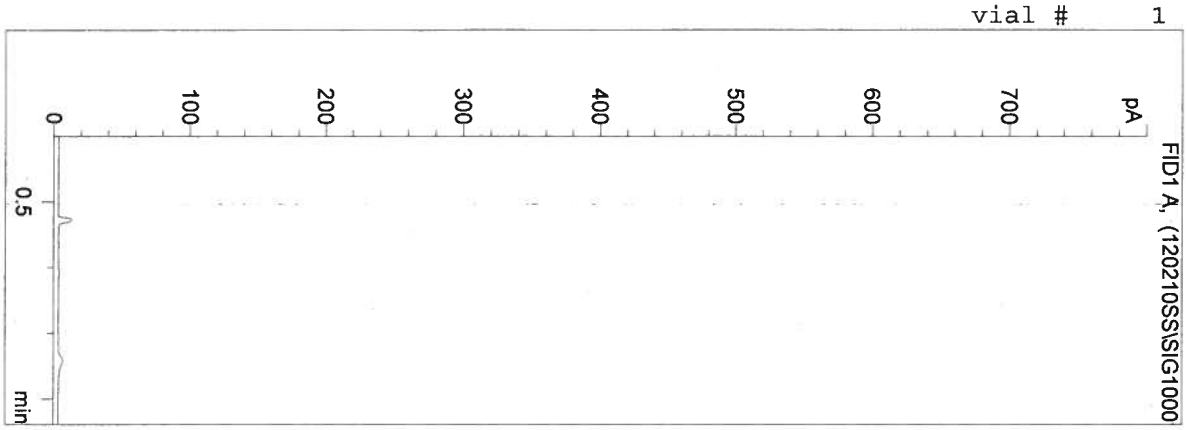
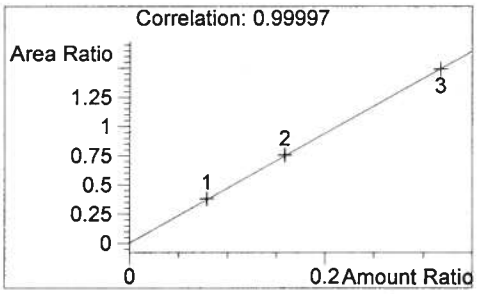
2/10/2012 12:48:39 PM
Instrument 1
DB-ALC1

BLANK
Sarah Swenson

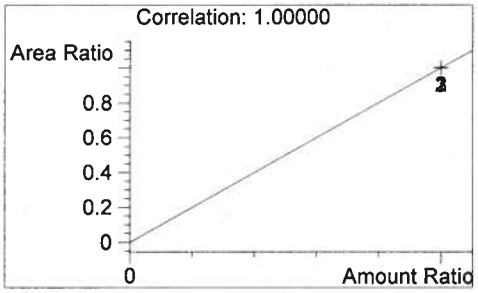
vial # 1



#	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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SLS

WASHINGTON STATE TOXICOLOGY LABORATORY

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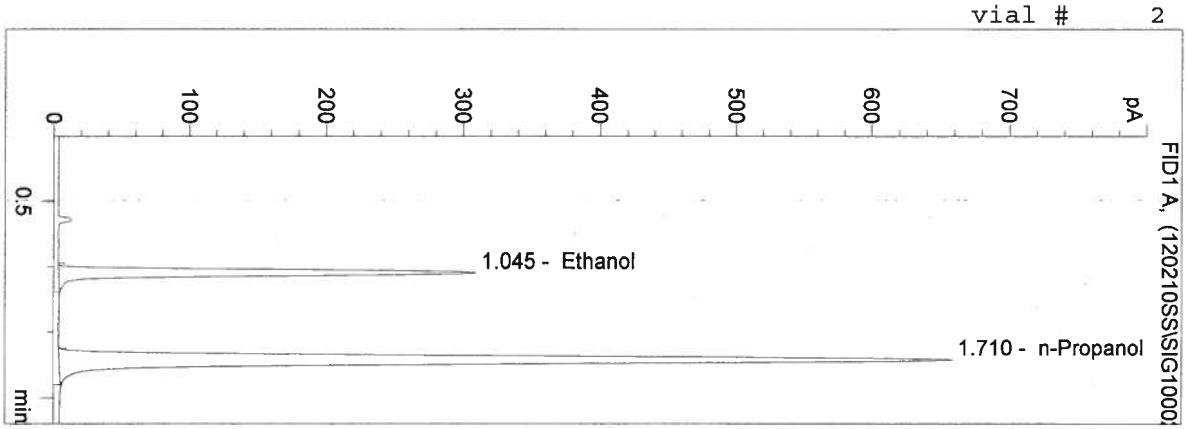
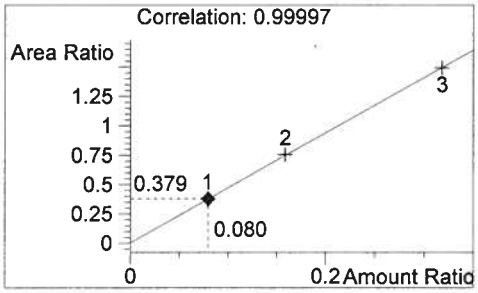
2/10/2012 12:51:43 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Sarah Swenson

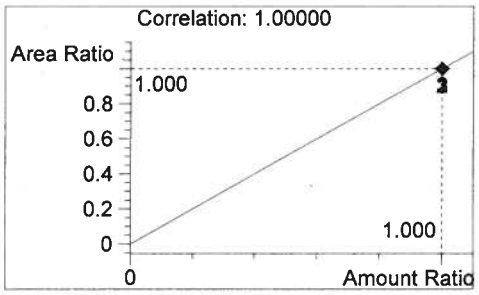
vial # 2



#	Compound	Area	RT
1	Ethanol	1000	1.045
2	n-Propanol	2642	1.710
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

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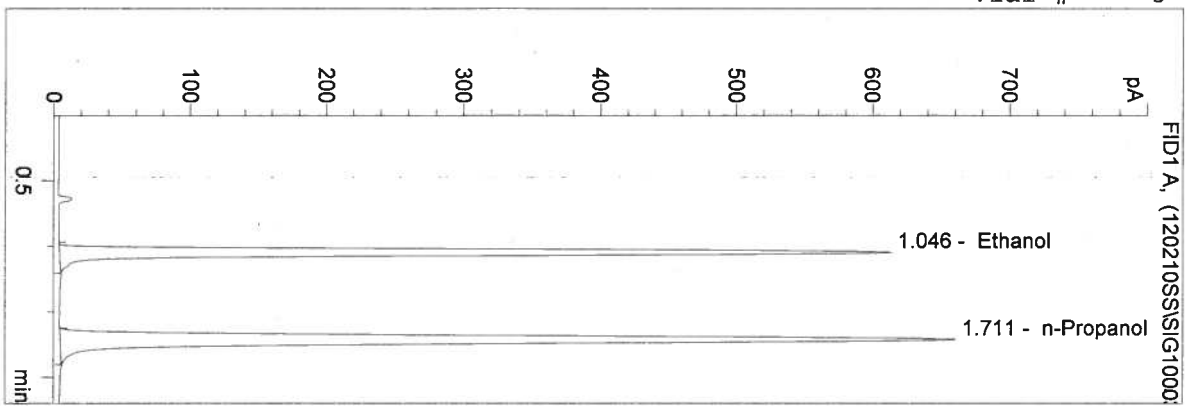
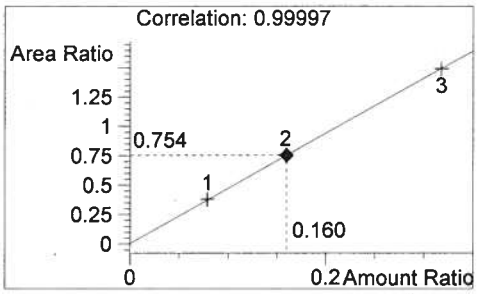
2/10/2012 12:54:48 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Sarah Swenson

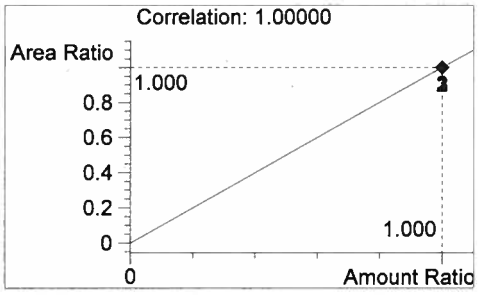
vial # 3



#	Compound	Area	RT
1	Ethanol	2002	1.046
2	n-Propanol	2655	1.711
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

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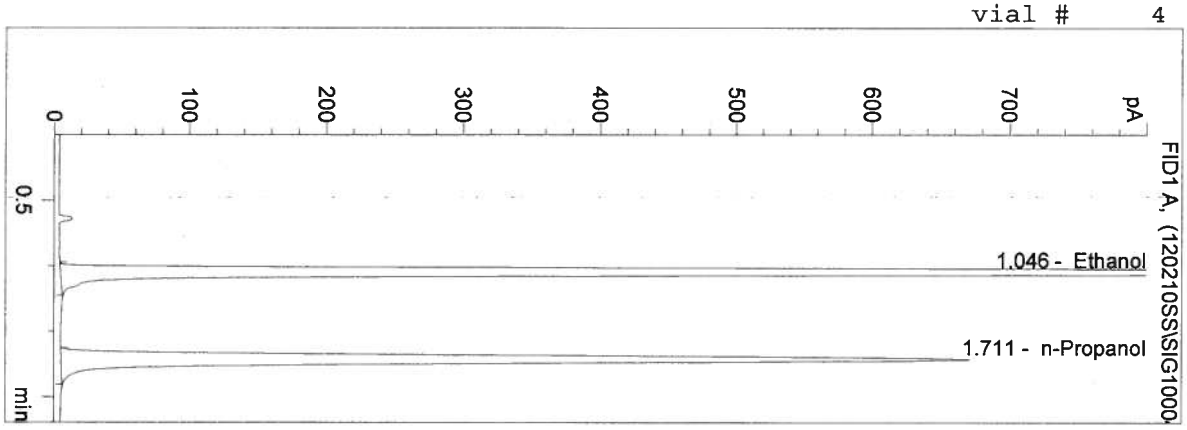
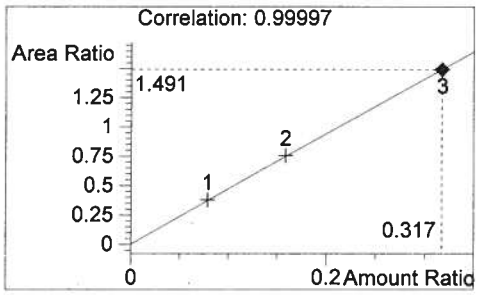
2/10/2012 12:57:53 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Sarah Swenson

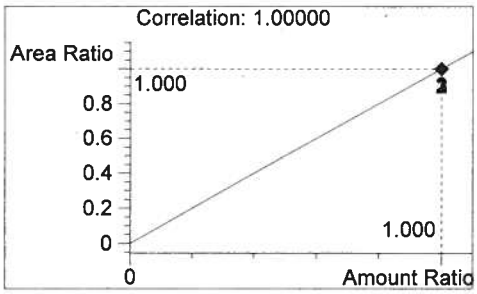
vial # 4



#	Compound	Area	RT
1	Ethanol	4009	1.046
2	n-Propanol	2688	1.711
Tot			



Ethanol 0.317 g/100 mL



n-Propanol 1.000 g/100 mL

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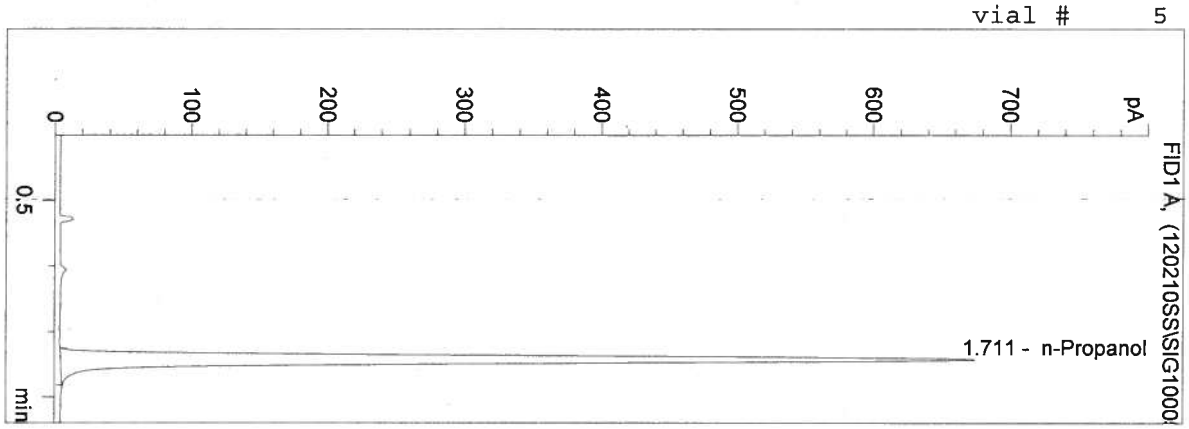
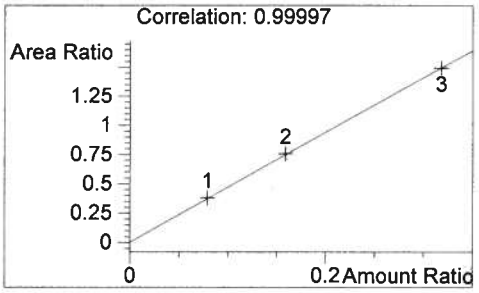
2/10/2012 1:00:58 PM
Instrument 1
DB-ALC1

NEG CTRL - SS
Sarah Swenson

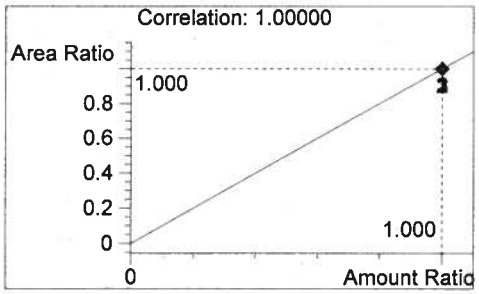
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2711	1.711
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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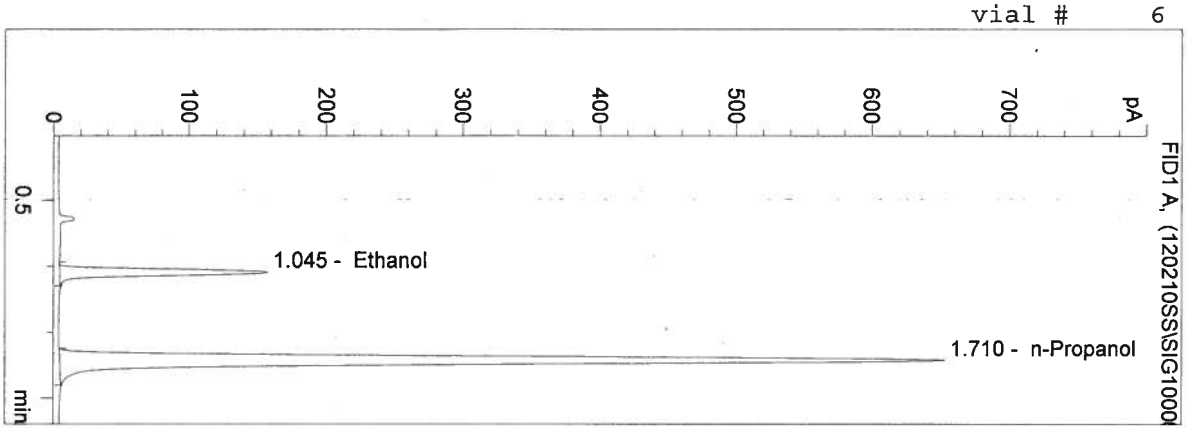
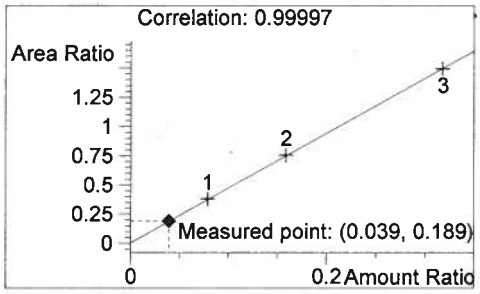
2/10/2012 1:04:03 PM
Instrument 1
DB-ALC1

0.04 CTRL - SS
Sarah Swenson

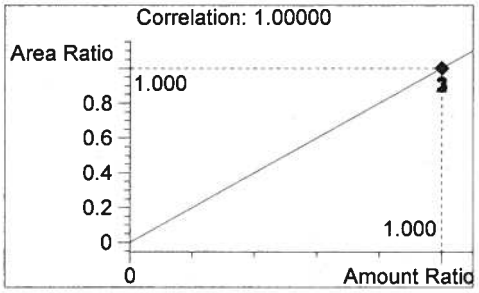
vial # 6



#	Compound	Area	RT
1	Ethanol	496	1.045
2	n-Propanol	2621	1.710
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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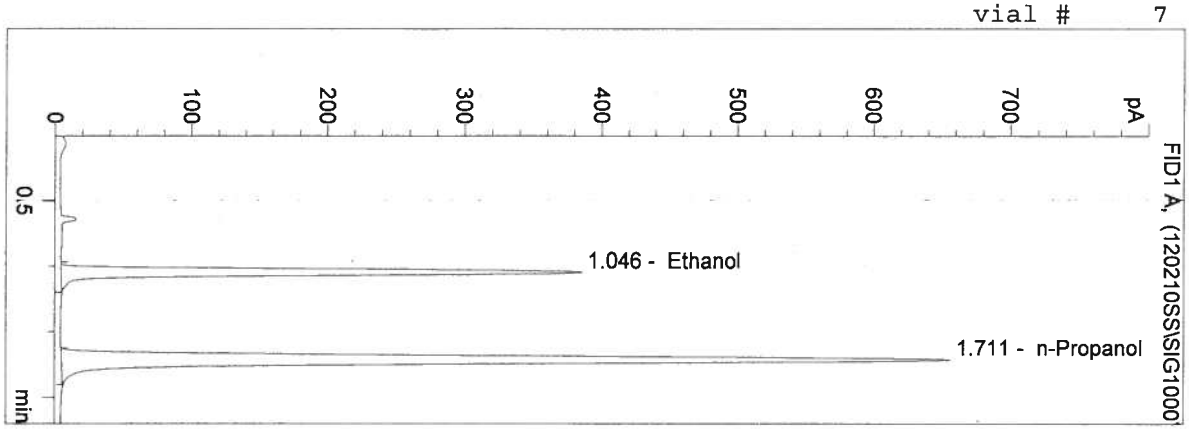
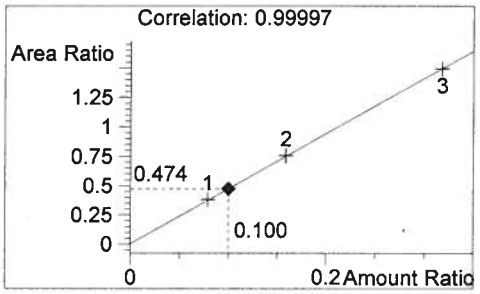
2/10/2012 1:07:07 PM
Instrument 1
DB-ALC1

0.10 CTRL - SS
Sarah Swenson

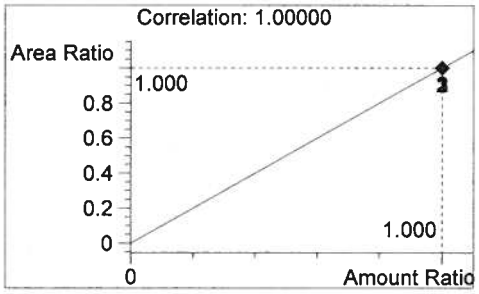
vial # 7



#	Compound	Area	RT
1	Ethanol	1249	1.046
2	n-Propanol	2638	1.711
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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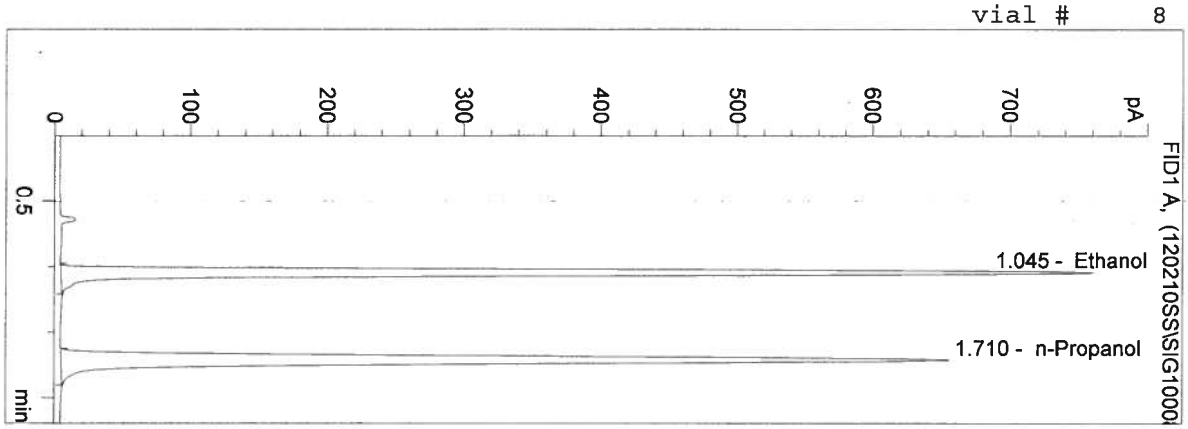
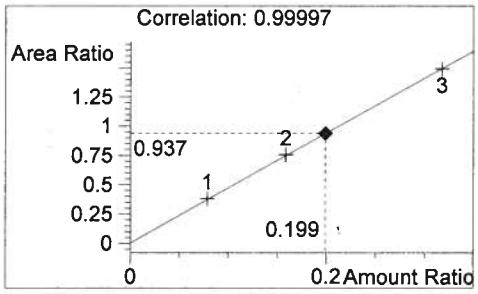
2/10/2012 1:10:12 PM
Instrument 1
DB-ALC1

0.20 CTRL -SS
Sarah Swenson

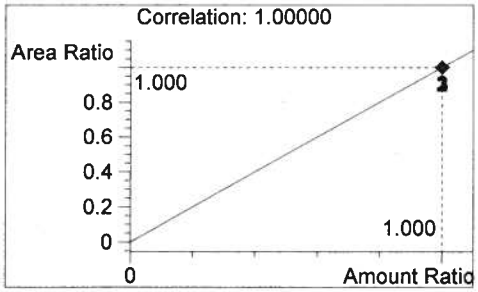
vial # 8



#	Compound	Area	RT
1	Ethanol	2466	1.045
2	n-Propanol	2631	1.710
Tot			



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

12008
12009
12010
12011

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WASHINGTON STATE TOXICOLOGY LABORATORY

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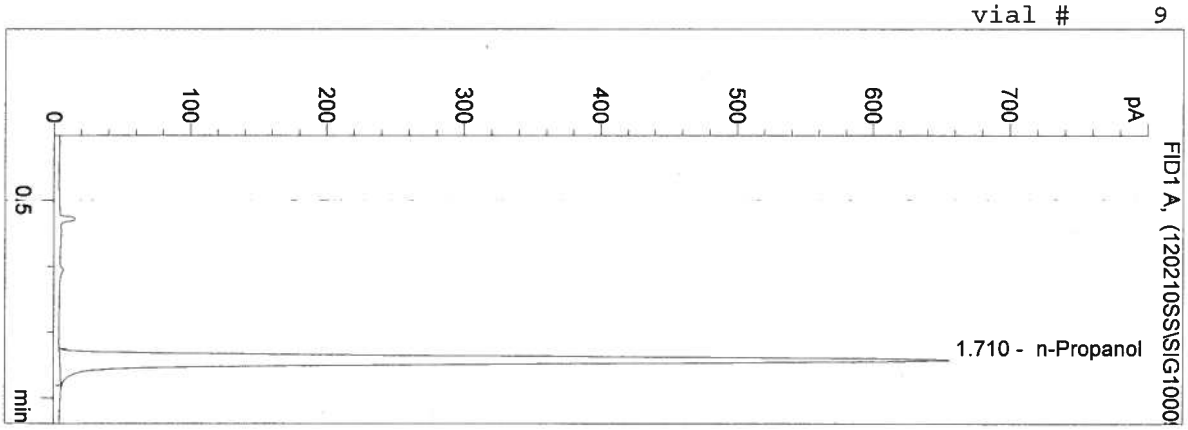
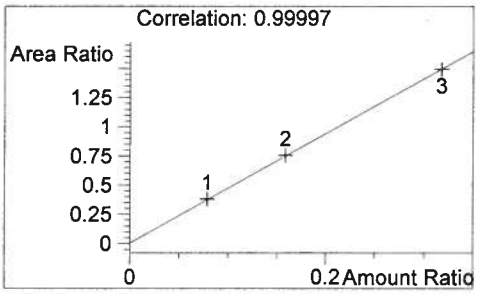
Instrument 1
DB-ALC1

NEG CTRL - SS
Sarah Swenson

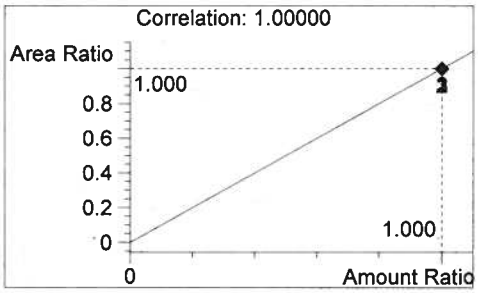
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2634	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12008
12009
12010
12011

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WASHINGTON STATE TOXICOLOGY LABORATORY

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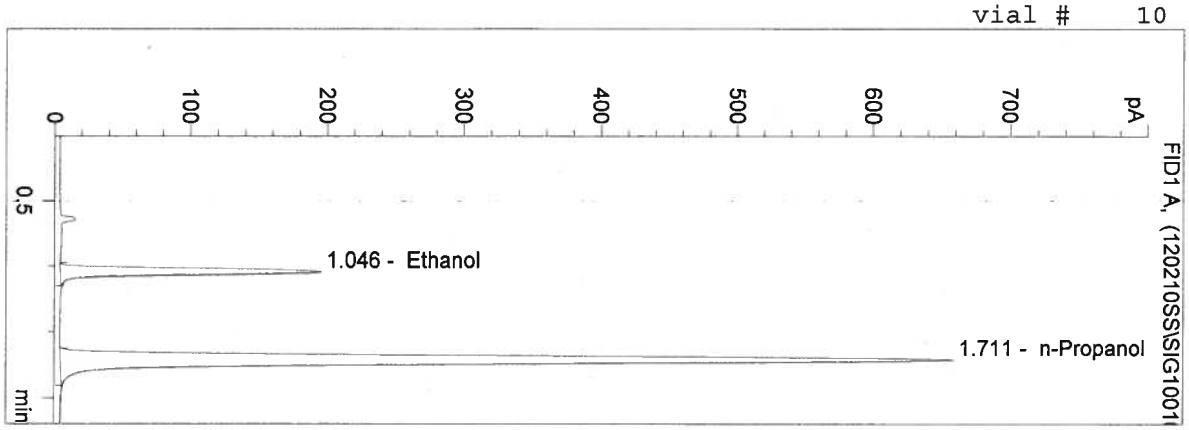
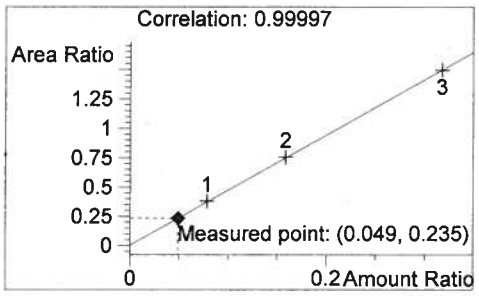
Instrument 1
DB-ALC1

12008 #1
Sarah Swenson

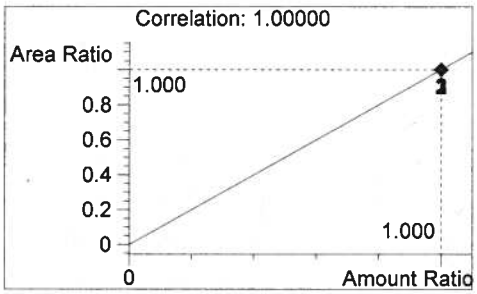
vial # 10



#	Compound	Area	RT
1	Ethanol	619	1.046
2	n-Propanol	2639	1.711
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

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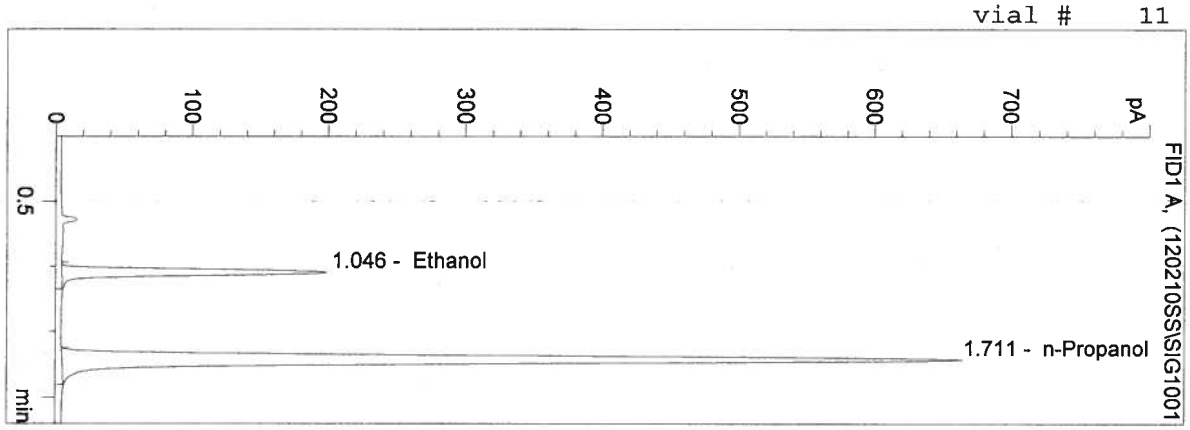
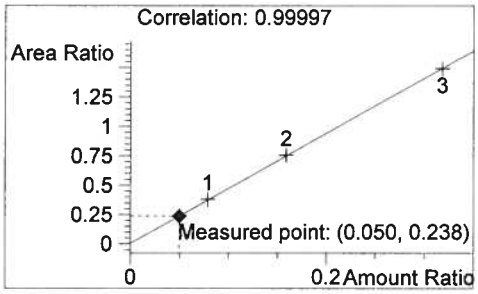
Instrument 1
DB-ALC1

12008 #2
Sarah Swenson

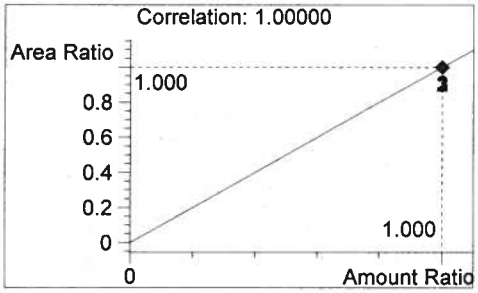
vial # 11



#	Compound	Area	RT
1	Ethanol	635	1.046
2	n-Propanol	2671	1.711
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

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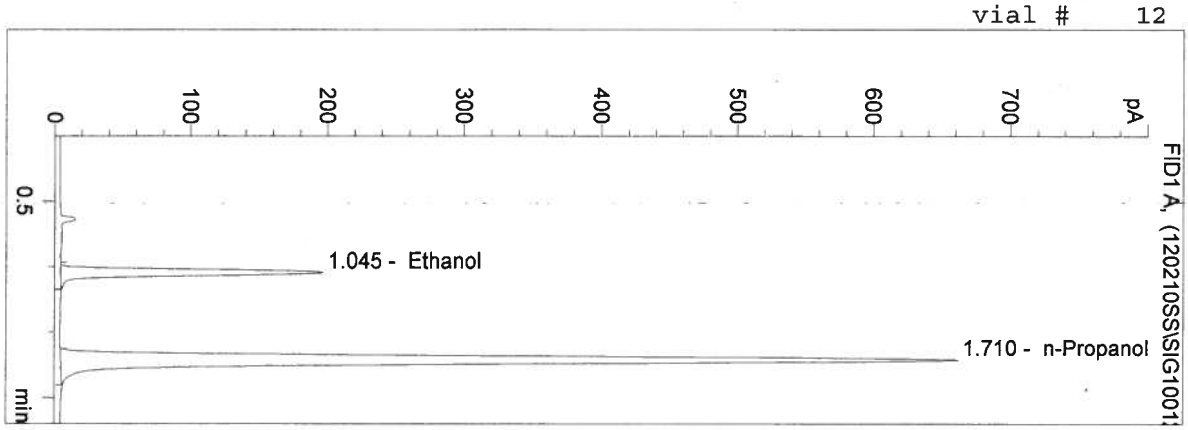
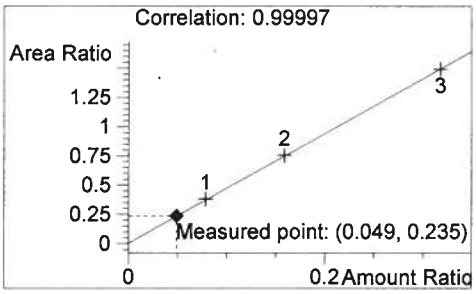
Instrument 1
DB-ALC1

12008 #3
Sarah Swenson

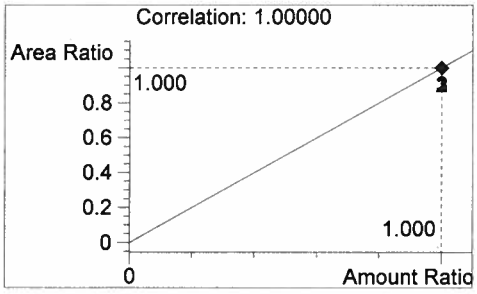
vial # 12



#	Compound	Area	RT
1	Ethanol	626	1.045
2	n-Propanol	2659	1.710
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

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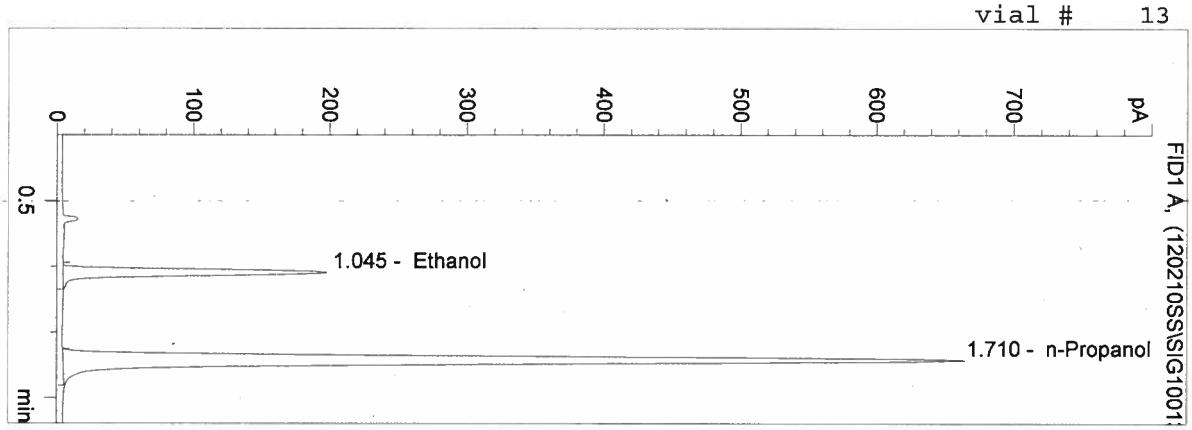
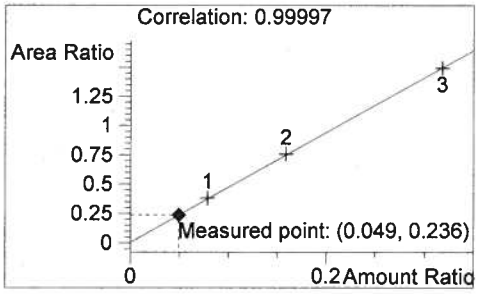
Instrument 1
DB-ALC1

12008 #4
Sarah Swenson

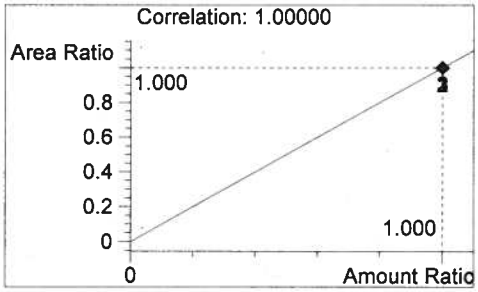
vial # 13



#	Compound	Area	RT
1	Ethanol	630	1.045
2	n-Propanol	2669	1.710
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

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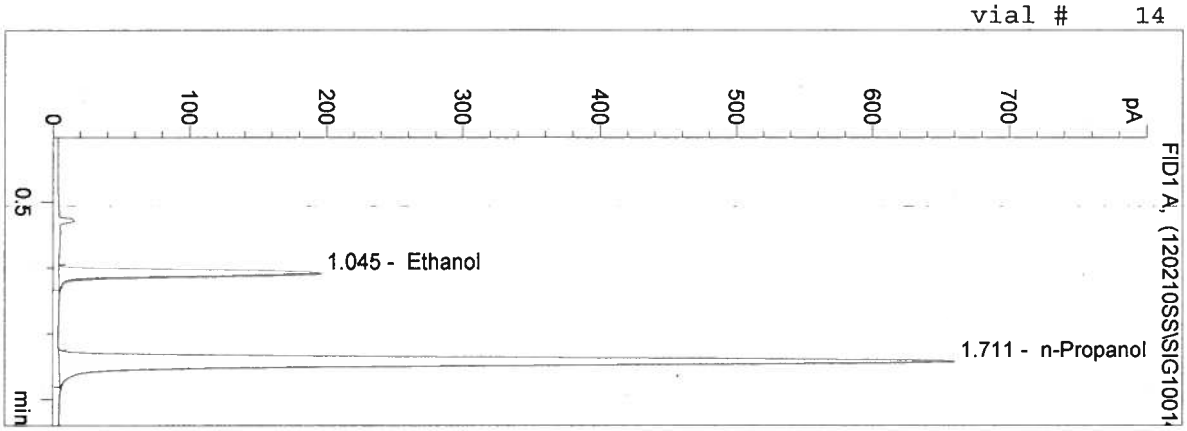
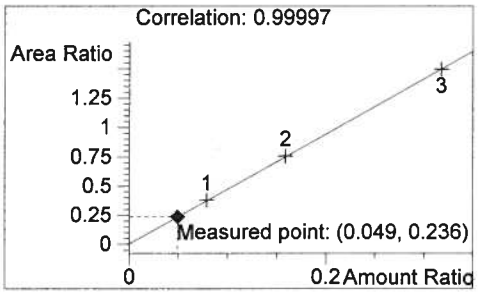
Instrument 1
DB-ALC1

12008 #5
Sarah Swenson

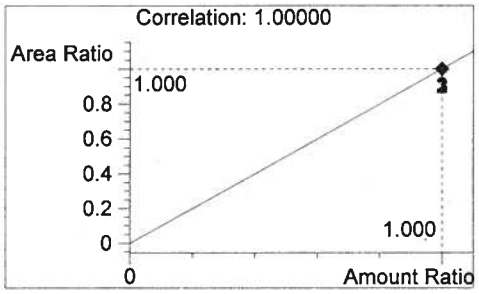
vial # 14



#	Compound	Area	RT
1	Ethanol	626	1.045
2	n-Propanol	2648	1.711
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

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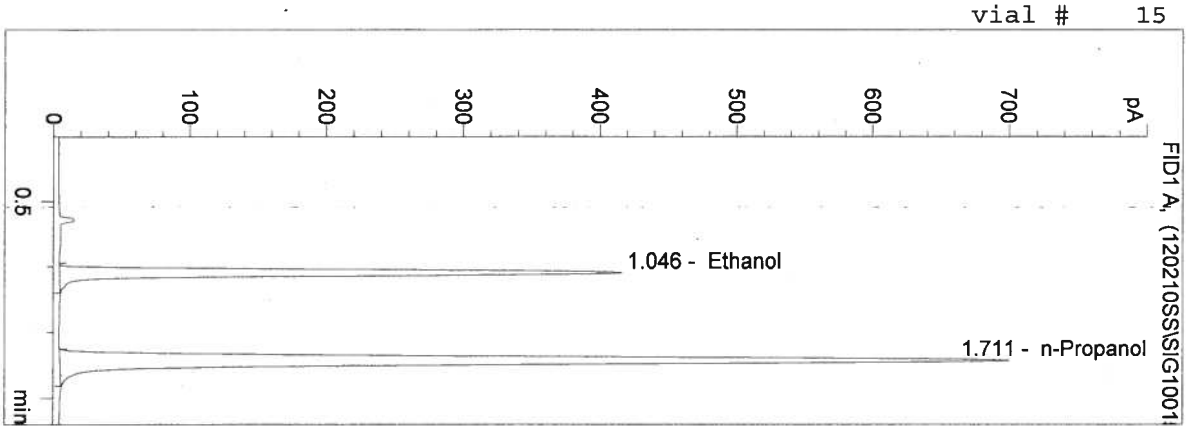
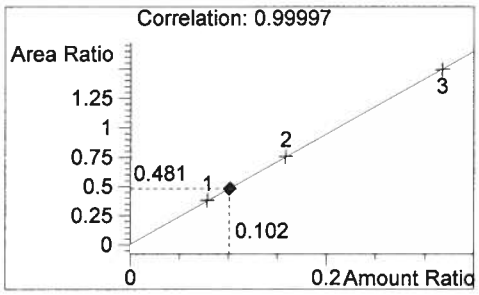
Instrument 1
DB-ALC1

0.10 CTRL - SS
Sarah Swenson

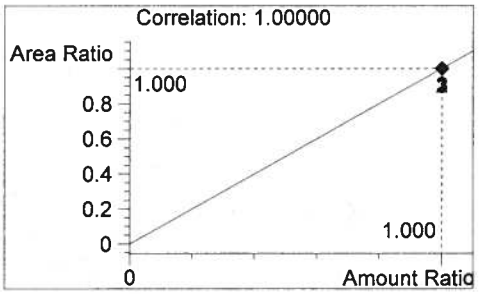
vial # 15



#	Compound	Area	RT
1	Ethanol	1352	1.046
2	n-Propanol	2809	1.711
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

12008

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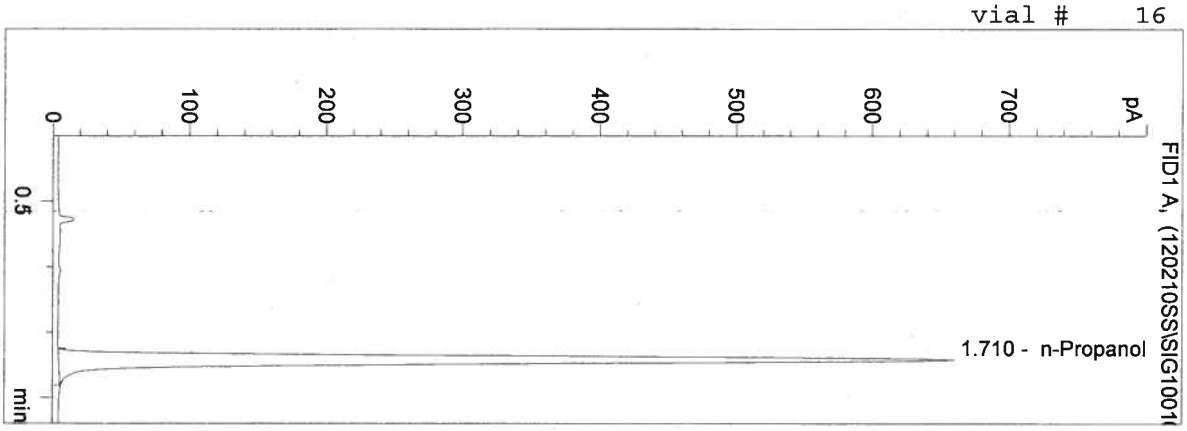
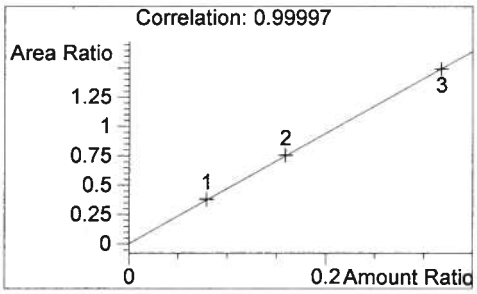
Instrument 1
DB-ALC1

NEG CTRL - SS
Sarah Swenson

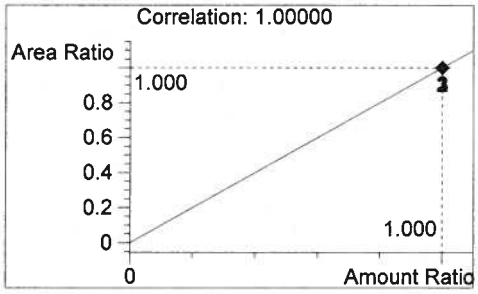
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2653	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12008

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