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

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 11041

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: 10/13/2011
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Brianne O'Reilly

	BEO	BP	RF
1	0.050	0.050	0.049
2	0.050	0.049	0.049
3	0.050	0.049	0.049
4	0.050	0.049	0.049
5	0.050	0.049	0.049
C	0.102	0.102	0.103

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0494 g/100mL
STANDARD DEVIATION: 0.00051
PRECISION CV (%): 1.03
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0402 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0005 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS5
Melissa L. Pemberton Forensic Scientist Supervisor

10.24.11
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
BEO	Brianne O'Reilly	Brianne E O'Reilly	10/17/2011
BP	Brianna Peterson	Brianna Peterson	10/19/2011
RF	Rebecca Flaherty	[illegible]	10/20/2011

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 #: 11041 **Date Prepared:** 10/13/2011

Analyst:	BEO	BP	RF
Date Tested:	10/17/2011	10/19/2011	10/20/2011
Instrument:	HS#1	HS#1	HS#1
1	0.050	0.050	0.049
2	0.050	0.049	0.049
3	0.050	0.049	0.049
4	0.050	0.049	0.049
5	0.050	0.049	0.049
C	0.102	0.102	0.103

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000070247	0.0000106102	0.0001016326

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

Average Solution Concentration: 0.0494 g/100mL
Standard Deviation: 0.00051 g/100mL
Precision CV (%): 1.03
Equivalent Vapor Concentration: 0.0402 g/210L
Combined Standard Uncertainty (±): 0.0005 g/210L

Calculations performed by: Melissa L. Pemberton [signature] 10.20.2011
Name Signature Date

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

Tech. review performed by: Melissa L. Pemberton [signature] 10.21.11
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Jason H. Sklerov **Date:** 10/21/11

Location: WSP-FLSB; Seattle, WA **Solution Batch Number:** 11041

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

Comments:

Reviewer Signature: (SKLEROV) **Date:** 10/21/11

Reviewer Signature: N/A JMS 10/21/11 **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	10/20/11
Brianne O'Reilly	BOO	10·20·11
Brittany Ball		
Christie Mitchell		
Christopher Johnston		
Dawn Cox		
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	10-20-11
Sarah Swenson		

Batch # 11041

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 11041

I, Brianne E. O'Reilly, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biology and MS degree in Veterinary Medical Sciences.

The qap solution, Lot Number 11041, was prepared in the Washington State Toxicology Laboratory on 10/13/2011. 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 10/13/2012.

Seattle, WA

Brianne E O'Reilly 10·20·11

Brianne E. O'Reilly 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 11041

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 11041, was prepared in the Washington State Toxicology Laboratory on 10/13/2011. 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 10/13/2012.

Seattle, WA

Brianna Peterson 10/20/11

Brianna Peterson 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 11041

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 11041, was prepared in the Washington State Toxicology Laboratory on 10/13/2011. 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 10/13/2012.

Seattle, WA

10-20-11

Rebecca Flaherty Date

Forensic Toxicologist

Sequence Parameters:

Operator:	Brianne E. O'Reilly
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	111017BO
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot: E0911-01
3	Vial 3	Lot: E0911-02
4	Vial 4	Lot: E0911-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

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BEO

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 BO	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL BO	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL BO	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL BO	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL BO	SIMALC1	1	Ctrl Samp		
10	Vial 10	QAP 11041-1	SIMALC1	1	Sample		
11	Vial 11	QAP 11041-2	SIMALC1	1	Sample		
12	Vial 12	QAP 11041-3	SIMALC1	1	Sample		
13	Vial 13	QAP 11041-4	SIMALC1	1	Sample		
14	Vial 14	QAP 11041-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL BO	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL BO	SIMALC1	1	Ctrl Samp		
17	Vial 17	QAP 11042-1	SIMALC1	1	Sample		

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BWO

Sequence: C:\HPCHEM\1\SEQUENCE\BOQAP-1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
18	Vial 18	QAP 11042-2	SIMALC1	1	Sample		
19	Vial 19	QAP 11042-3	SIMALC1	1	Sample		
20	Vial 20	QAP 11042-4	SIMALC1	1	Sample		
21	Vial 21	QAP 11042-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL BO	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL BO	SIMALC1	1	Ctrl Samp		
24	Vial 24	QAP 11043-1	SIMALC1	1	Sample		
25	Vial 25	QAP 11043-2	SIMALC1	1	Sample		
26	Vial 26	QAP 11043-3	SIMALC1	1	Sample		
27	Vial 27	QAP 11043-4	SIMALC1	1	Sample		
28	Vial 28	QAP 11043-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL BO	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL BO	SIMALC1	1	Ctrl Samp		
31	Vial 31	QAP 11044-1	SIMALC1	1	Sample		
32	Vial 32	QAP 11044-2	SIMALC1	1	Sample		
33	Vial 33	QAP 11044-3	SIMALC1	1	Sample		
34	Vial 34	QAP 11044-4	SIMALC1	1	Sample		
35	Vial 35	QAP 11044-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL BO	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL BO	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!

11041
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BLD

Calibration Table

Calib. Data Modified : 10/17/2011 3:28:37 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.046	1	1	8.12800e-2	1077.02405	7.54672e-5	1		Ethanol
		2	1.60090e-1	2167.94824	7.38440e-5			
		3	3.22750e-1	4183.72656	7.71441e-5			
1.710	1	1	1.00000	2863.67847	3.49201e-4	I1		n-Propanol
		2	1.00000	2923.23584	3.42087e-4			
		3	1.00000	2837.45166	3.52429e-4			

Peak Sum Table

No Entries in table

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Calibration Curves

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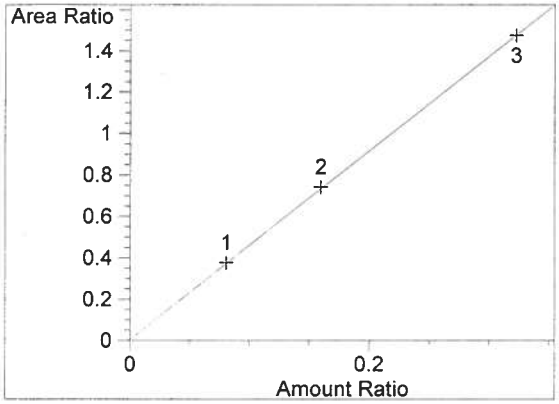
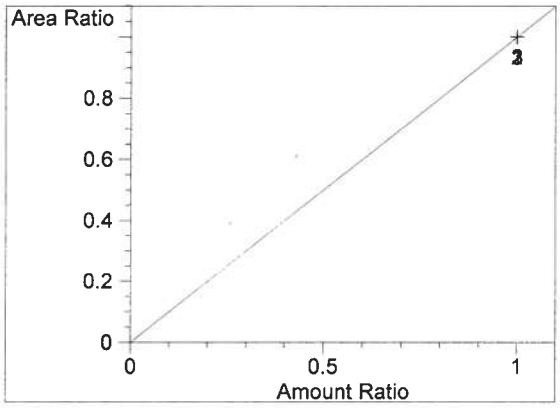


Ethanol at exp. RT: 1.046
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00598
Formula: y = mx + b
m: 4.56687
b: 3.98204e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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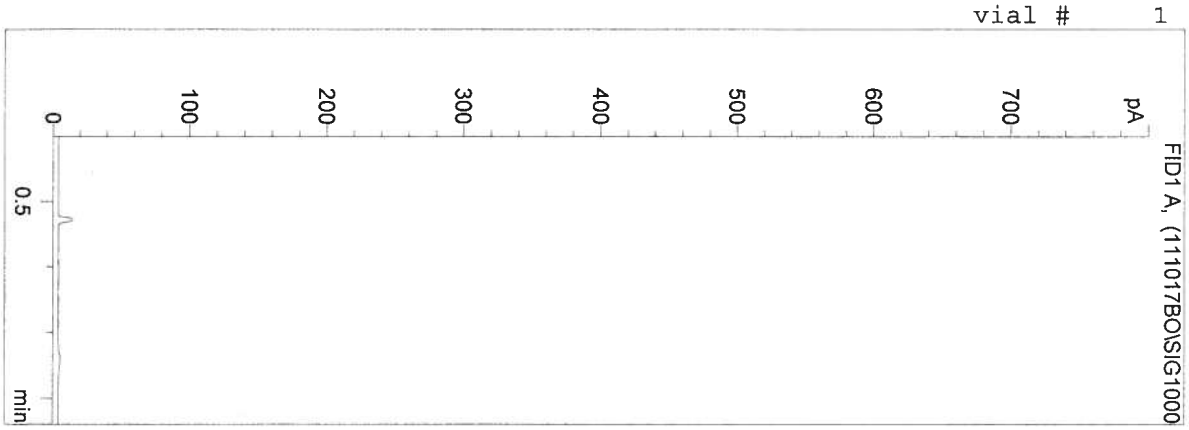
WASHINGTON STATE TOXICOLOGY LABORATORY

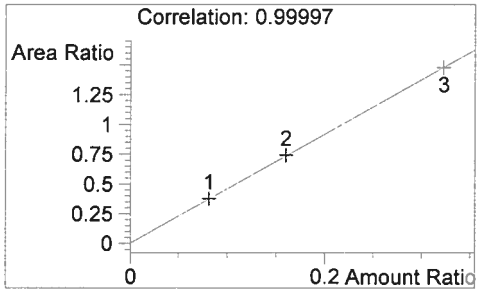
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 9:26:10 AM
Instrument 1
DB-ALC1

BLANK
Brianne E. O'Reilly

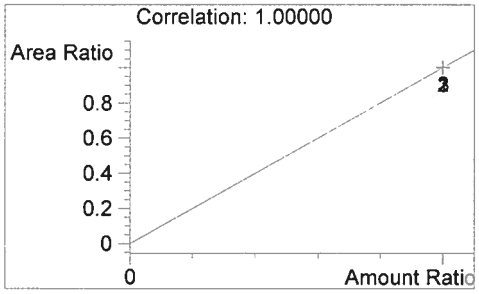
vial # 1



#	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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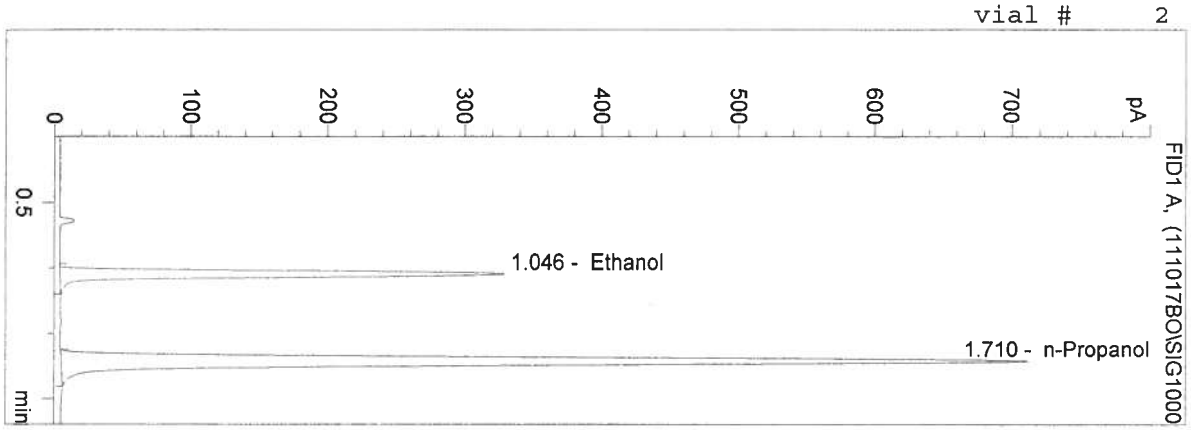
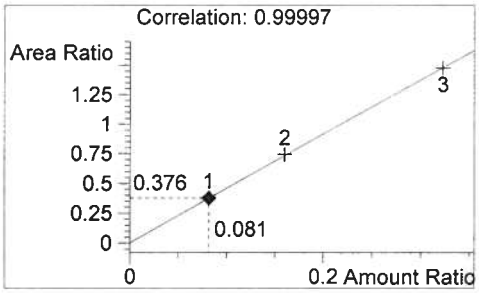
10/17/2011 9:29:14 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianne E. O'Reilly

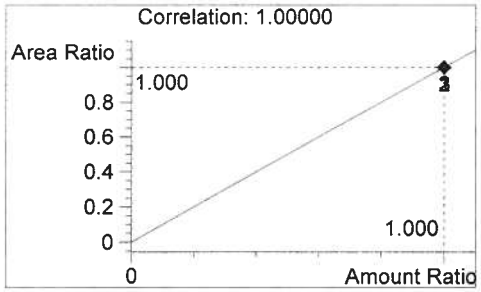
vial # 2



#	Compound	Area	RT
1	Ethanol	1077	1.046
2	n-Propanol	2864	1.710
Tot			



Ethanol 0.081 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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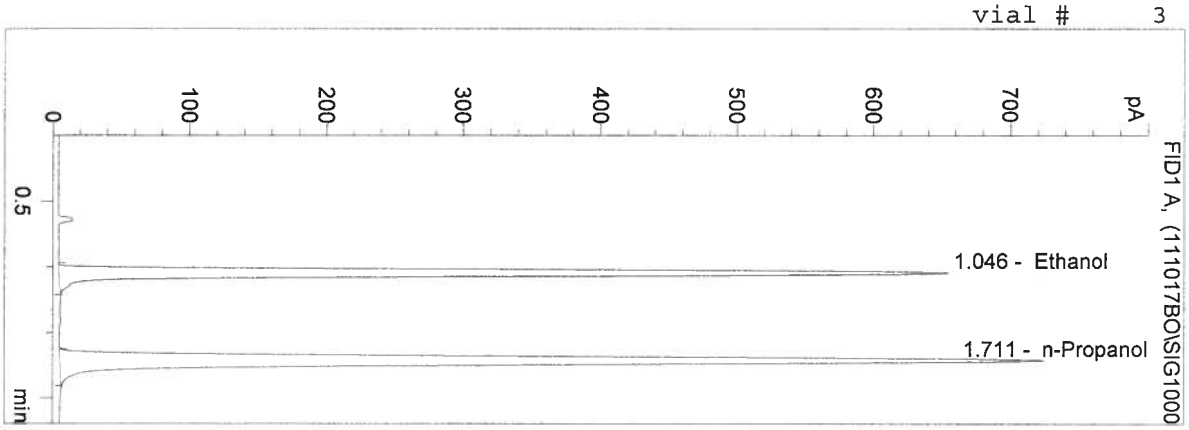
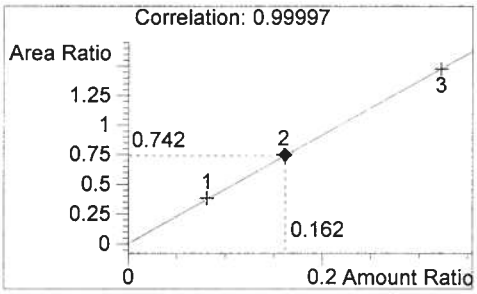
10/17/2011 9:32:19 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianne E. O'Reilly

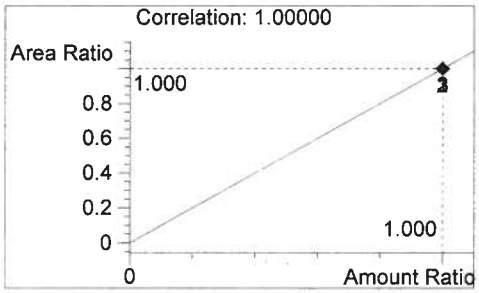
vial # 3



#	Compound	Area	RT
1	Ethanol	2168	1.046
2	n-Propanol	2923	1.711
Tot			



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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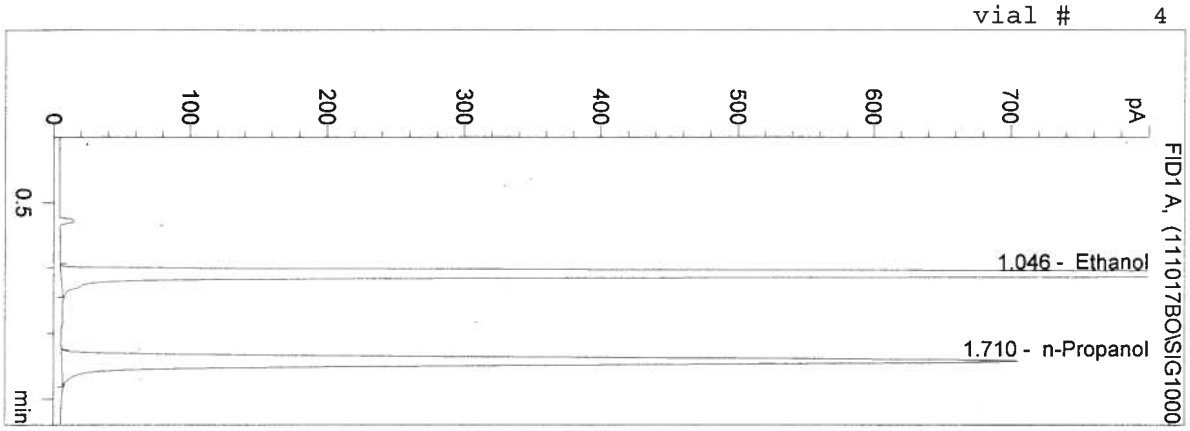
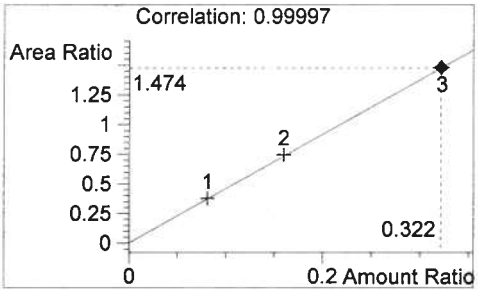
10/17/2011 9:35:24 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianne E. O'Reilly

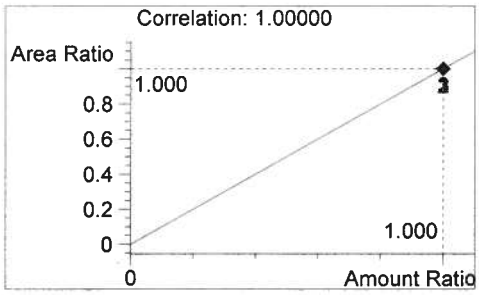
vial # 4



#	Compound	Area	RT
1	Ethanol	4184	1.046
2	n-Propanol	2837	1.710
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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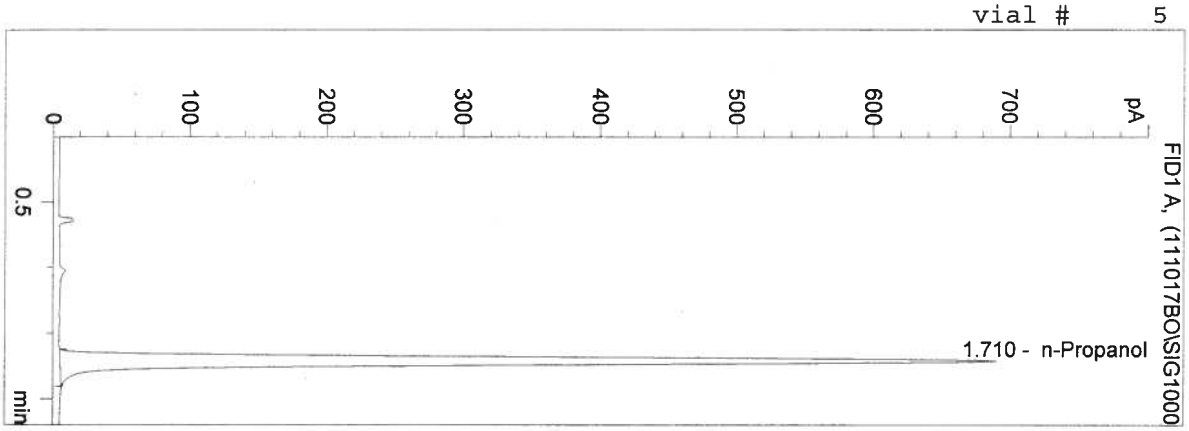
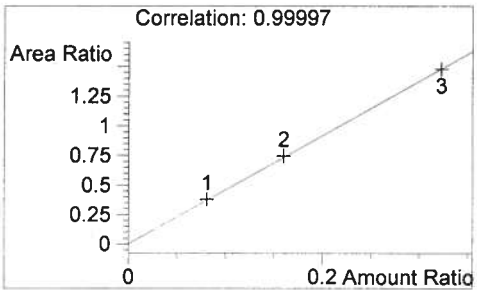
10/17/2011 9:38:29 AM
Instrument 1
DB-ALC1

NEG CTRL BO
Brianne E. O'Reilly

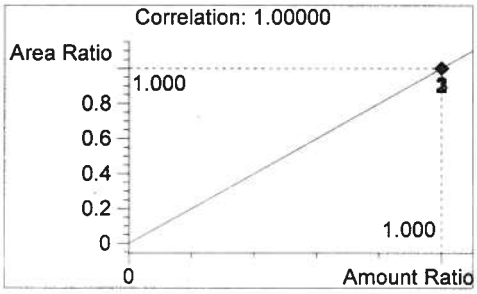
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2777	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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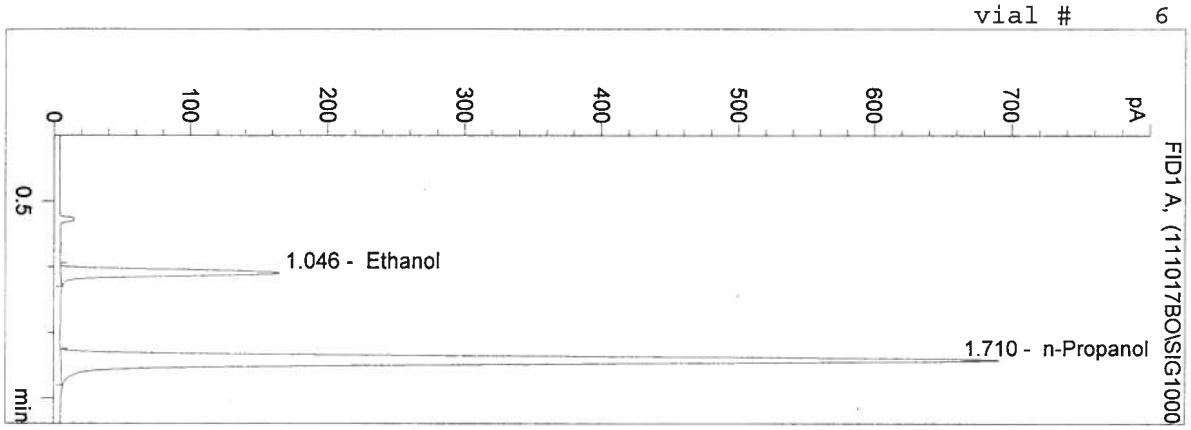
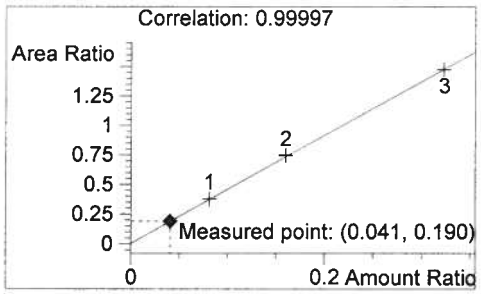
10/17/2011 9:41:33 AM
Instrument 1
DB-ALC1

0.04 CTRL BO
Brianne E. O'Reilly

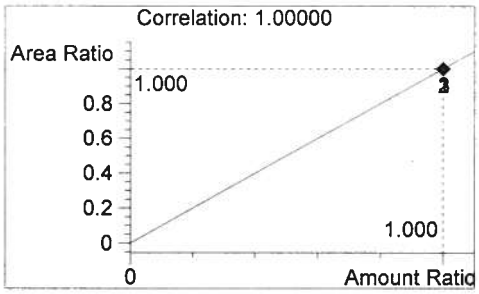
vial # 6



#	Compound	Area	RT
1	Ethanol	528	1.046
2	n-Propanol	2785	1.710
Tot			



Ethanol 0.041 g/100 mL



n-Propanol 1.000 g/100 mL

11041
11042
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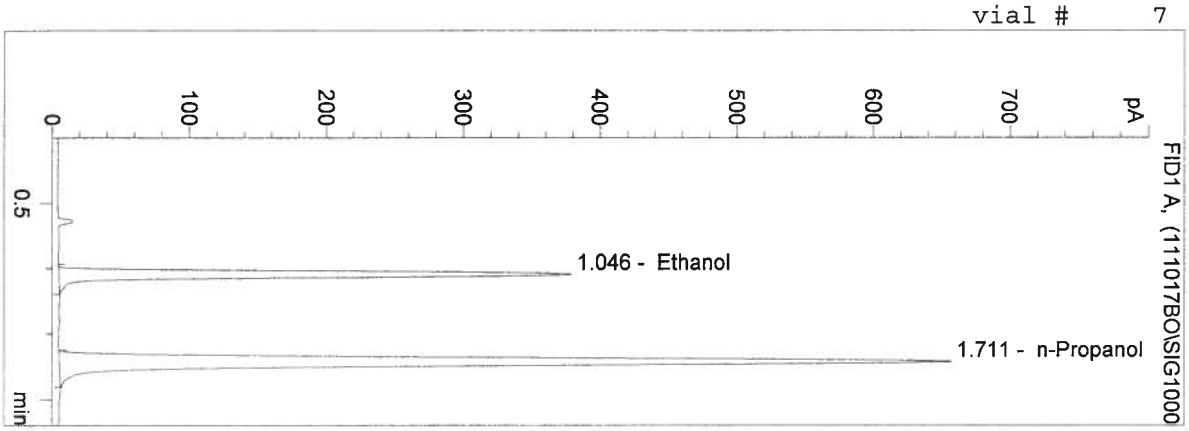
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

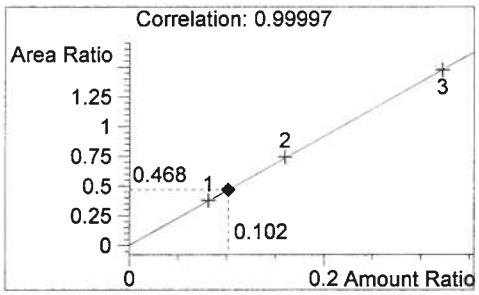
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 9:44:38 AM
Instrument 1
DB-ALC1

0.10 CTRL BO
Brianne E. O'Reilly

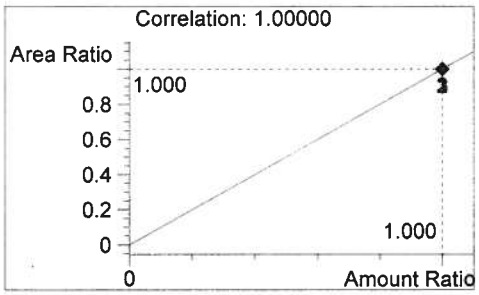
vial # 7



#	Compound	Area	RT
1	Ethanol	1240	1.046
2	n-Propanol	2649	1.711
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

11041
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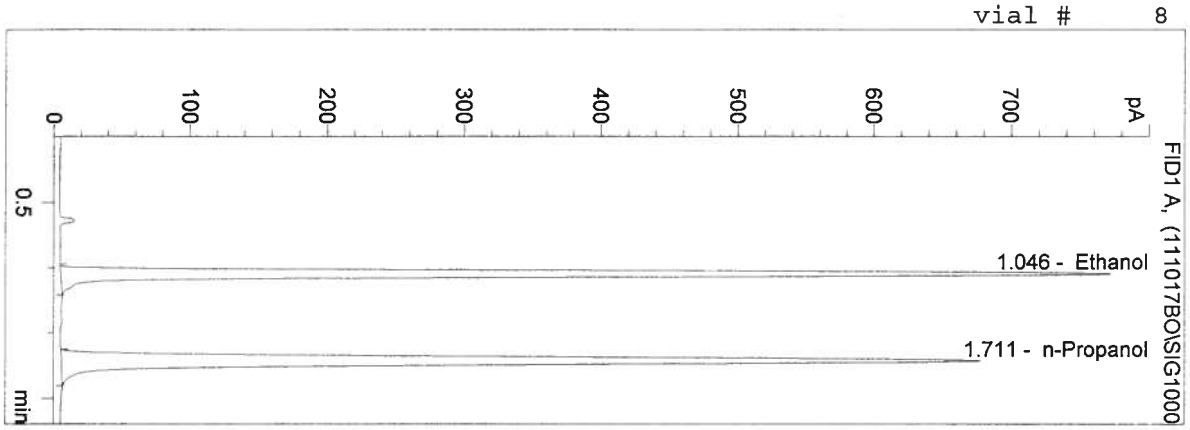
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

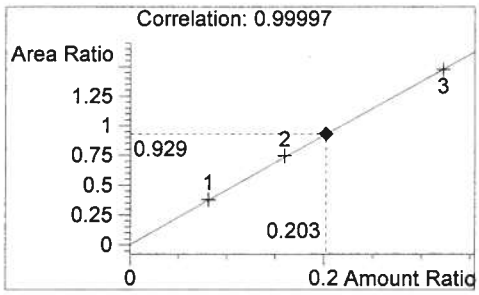
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 9:47:43 AM
Instrument 1
DB-ALC1

0.20 CTRL BO
Brianne E. O'Reilly

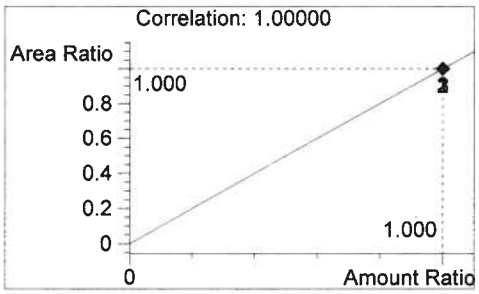
vial # 8



#	Compound	Area	RT
1	Ethanol	2536	1.046
2	n-Propanol	2730	1.711
Tot			



Ethanol 0.203 g/100 mL



n-Propanol 1.000 g/100 mL

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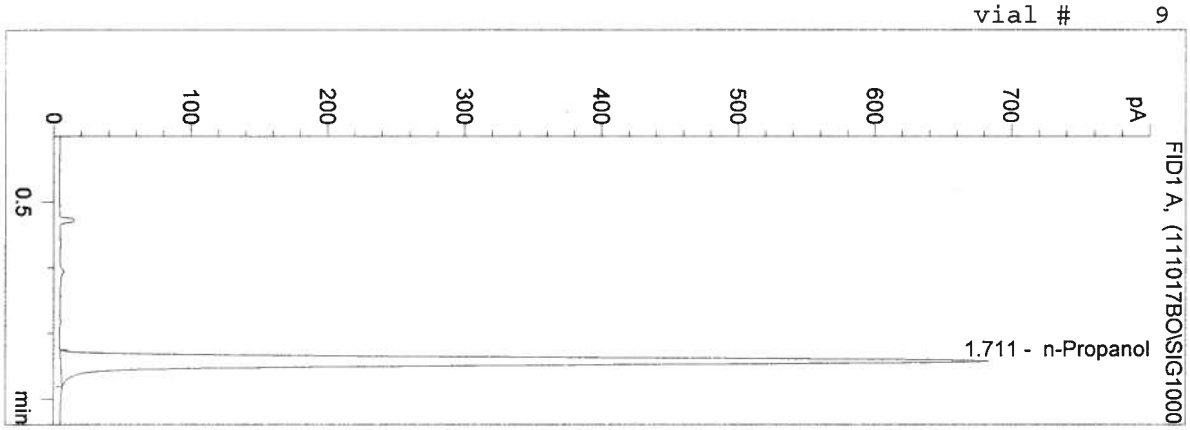
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

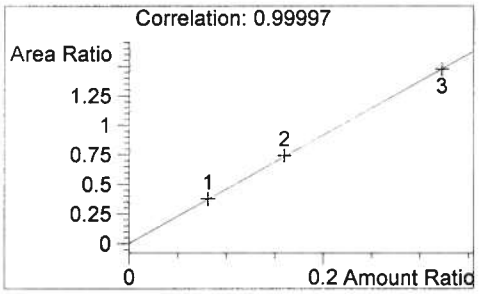
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 9:50:48 AM
Instrument 1
DB-ALC1

NEG CTRL BO
Brianne E. O'Reilly

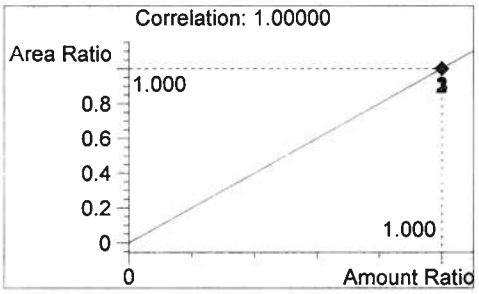
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2756	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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11044

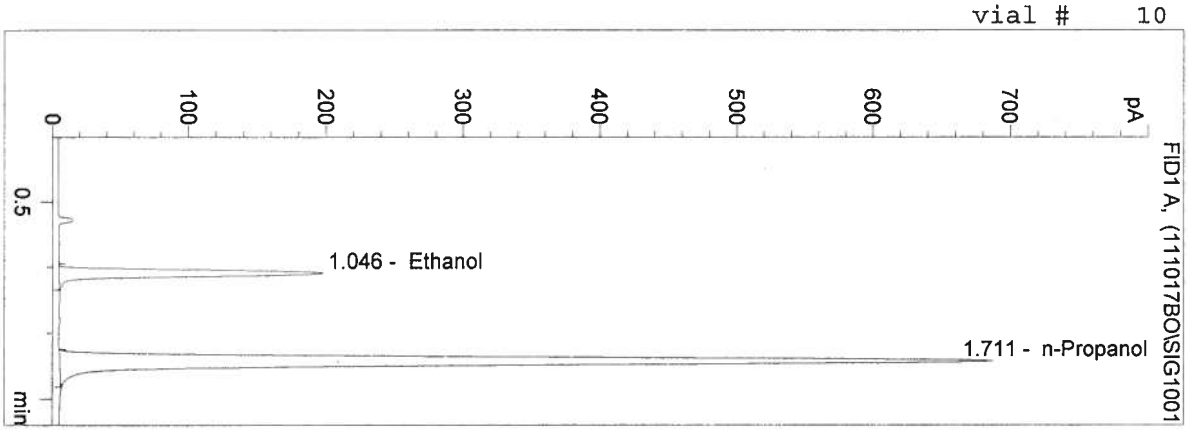
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

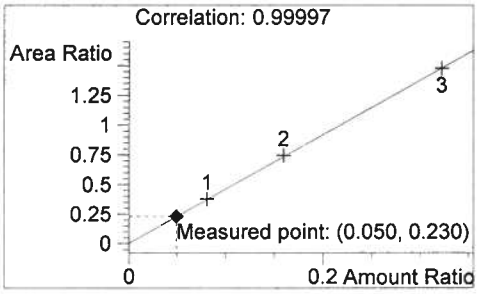
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 9:53:53 AM
Instrument 1
DB-ALC1

QAP 11041-1
Brianne E. O'Reilly

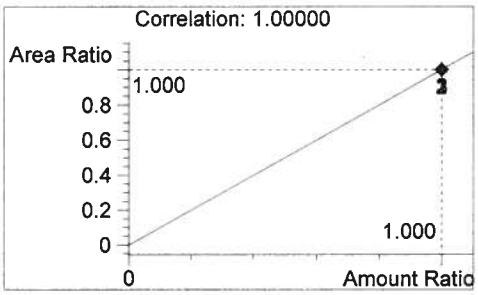
vial # 10



#	Compound	Area	RT
1	Ethanol	639	1.046
2	n-Propanol	2775	1.711
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

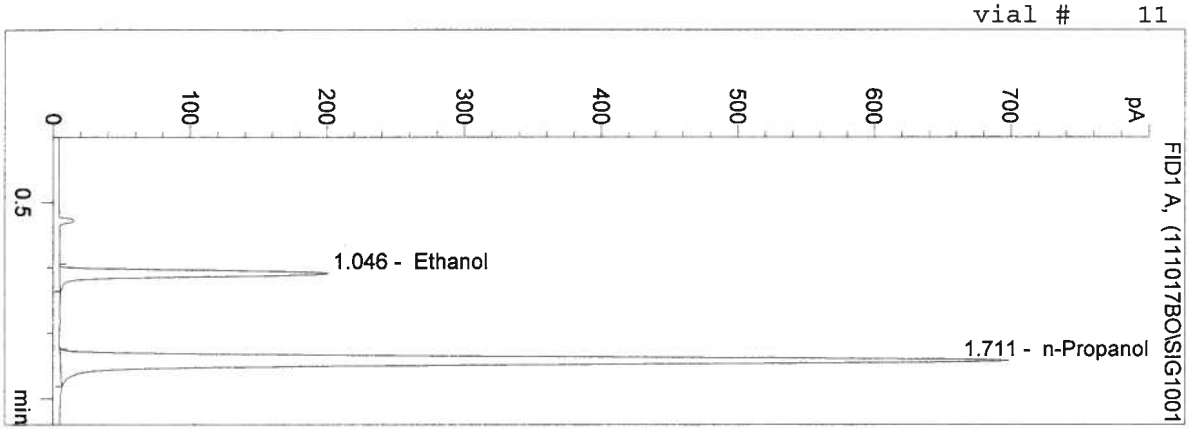
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

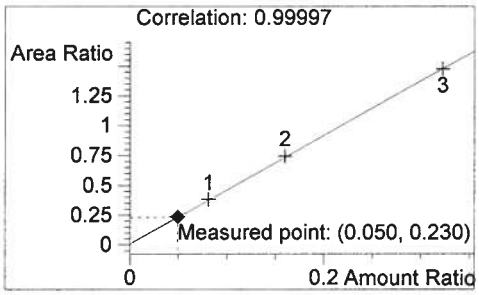
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 9:56:58 AM
Instrument 1
DB-ALC1

QAP 11041-2
Brianne E. O'Reilly

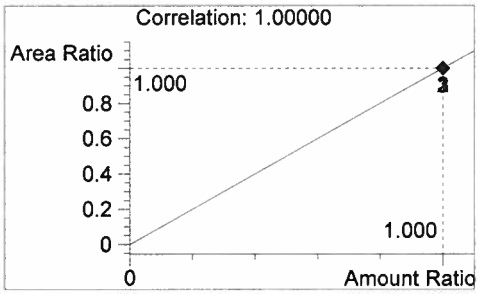
vial # 11



#	Compound	Area	RT
1	Ethanol	650	1.046
2	n-Propanol	2824	1.711
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

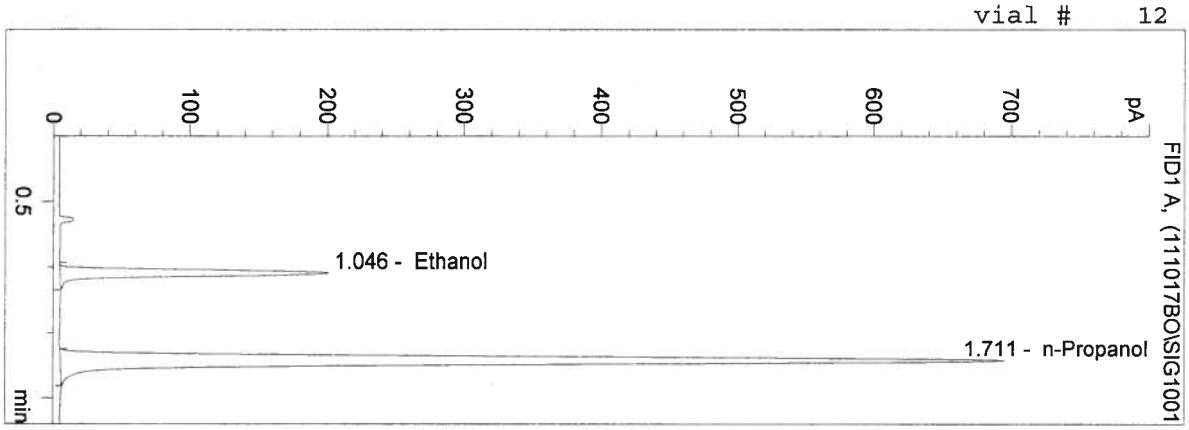
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

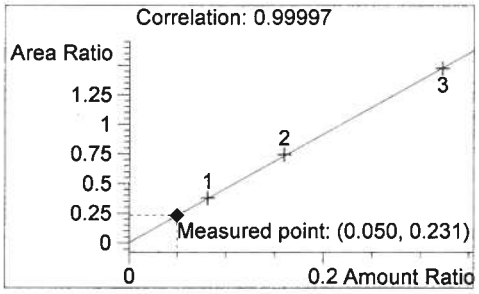
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 10:00:03 AM
Instrument 1
DB-ALC1

QAP 11041-3
Brianne E. O'Reilly

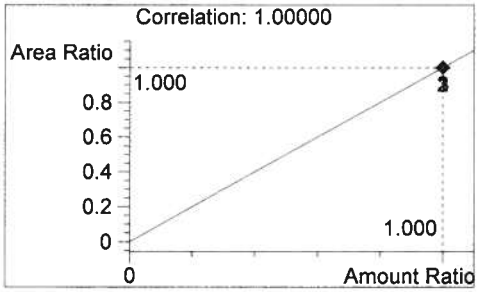
vial # 12



#	Compound	Area	RT
1	Ethanol	648	1.046
2	n-Propanol	2806	1.711
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

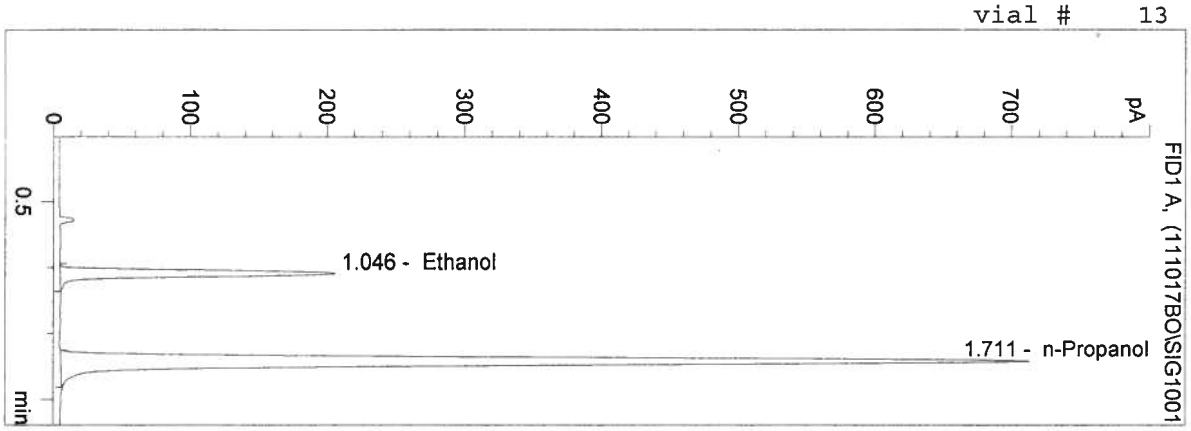
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

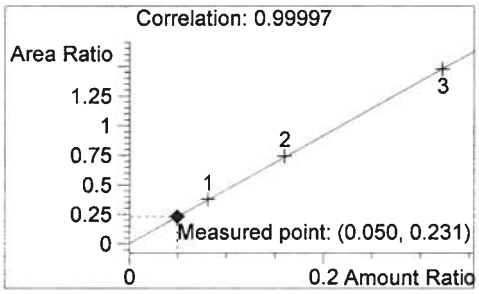
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 10:03:07 AM
Instrument 1
DB-ALC1

QAP 11041-4
Brianne E. O'Reilly

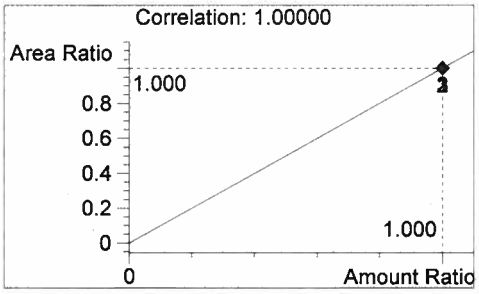
vial # 13



#	Compound	Area	RT
1	Ethanol	663	1.046
2	n-Propanol	2870	1.711
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

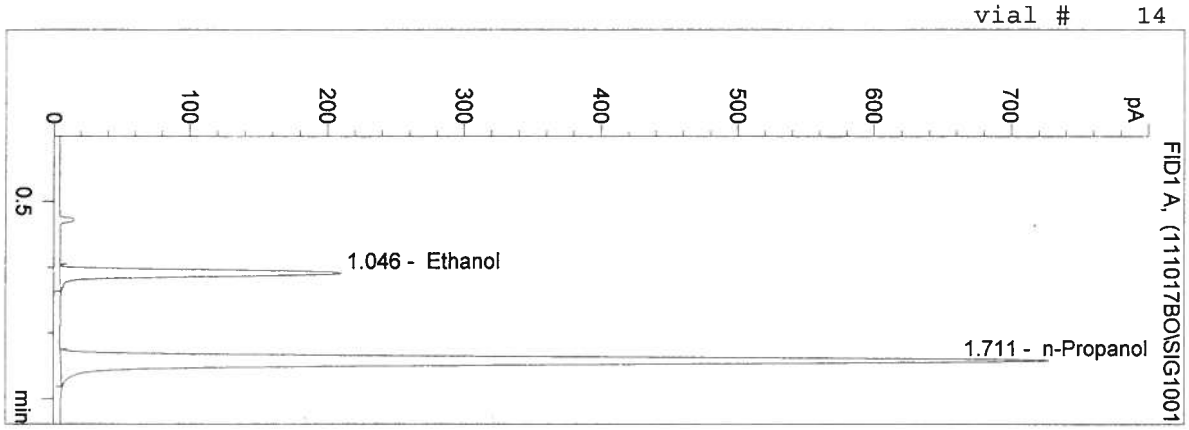
BWD

WASHINGTON STATE TOXICOLOGY LABORATORY

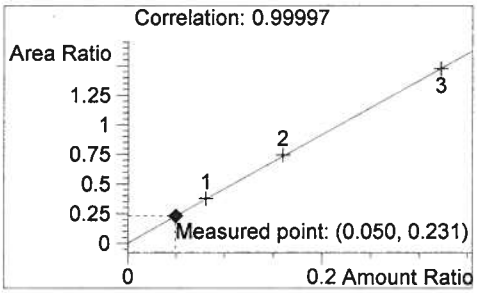
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 10:06:12 AM
Instrument 1
DB-ALC1

QAP 11041-5
Brianne E. O'Reilly

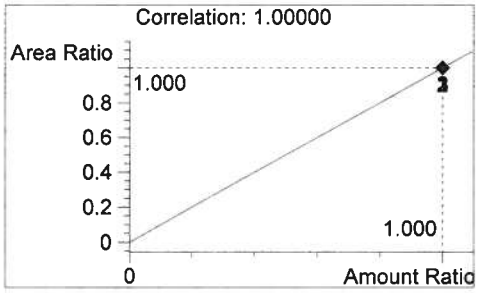
vial # 14



#	Compound	Area	RT
1	Ethanol	678	1.046
2	n-Propanol	2934	1.711
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

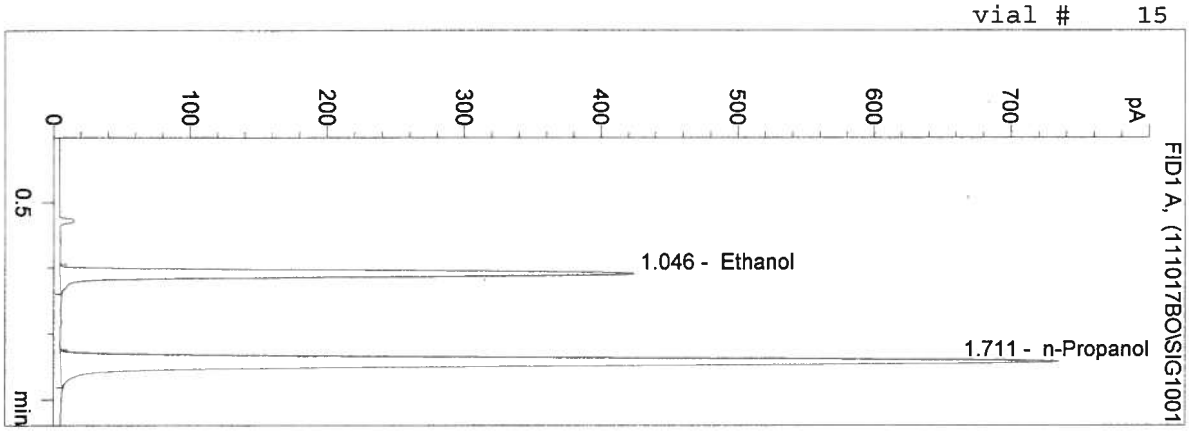
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

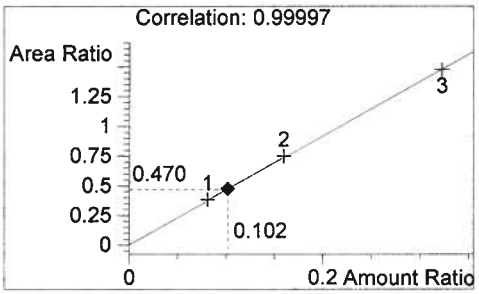
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 10:09:17 AM
Instrument 1
DB-ALC1

0.10 CTRL BO
Brianne E. O'Reilly

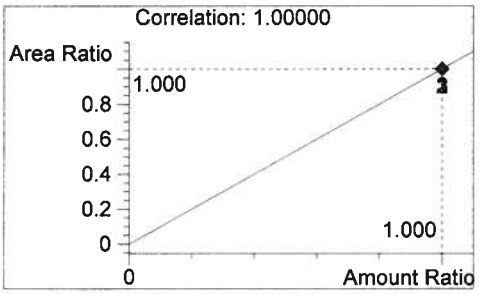
vial # 15



#	Compound	Area	RT
1	Ethanol	1391	1.046
2	n-Propanol	2961	1.711
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

11041

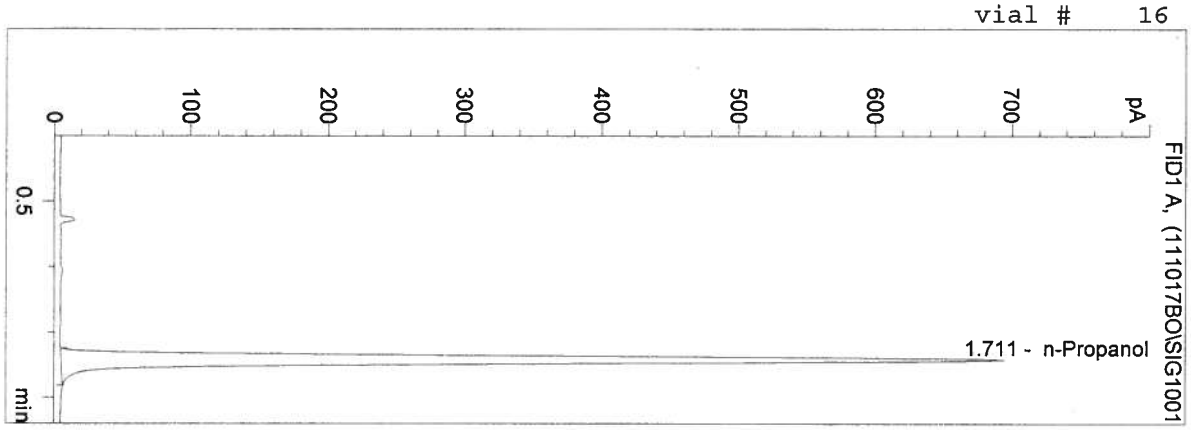
BLO

WASHINGTON STATE TOXICOLOGY LABORATORY

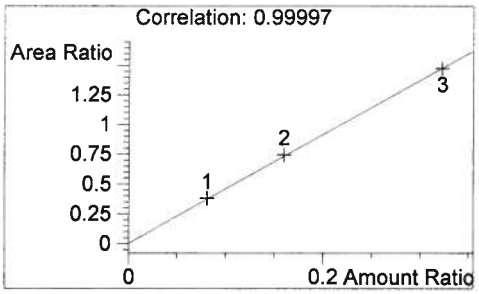
C:\HPCHEM\1\METHODS\SIMALC1.M
10/17/2011 10:12:22 AM
Instrument 1
DB-ALC1

NEG CTRL BO
Brianne E. O'Reilly

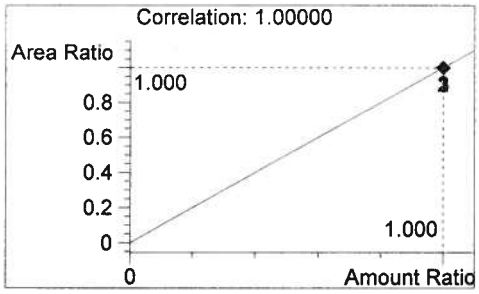
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2794	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11041

BLO

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:	111019BP
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 control Lot#A075264 - exp 10/2014
0.10 control Lot#A075806 - exp 11/2014
0.20 control Lot#A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0911-01
3	Vial 3	E0911-02
4	Vial 4	E0911-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

BL

11041
11042
11043
11044

Sequence: C:\HPCHEM\1\SEQUENCE\BPQA.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 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	QA11041-1	SIMALC1	1	Sample		
11	Vial 11	QA11041-2	SIMALC1	1	Sample		
12	Vial 12	QA11041-3	SIMALC1	1	Sample		
13	Vial 13	QA11041-4	SIMALC1	1	Sample		
14	Vial 14	QA11041-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL BP	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL BP	SIMALC1	1	Ctrl Samp		
17	Vial 17	QA11042-1	SIMALC1	1	Sample		

11041

BL

11042
11043
11044

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
18	Vial 18	QA11042-2	SIMALC1	1	Sample		
19	Vial 19	QA11042-3	SIMALC1	1	Sample		
20	Vial 20	QA11042-4	SIMALC1	1	Sample		
21	Vial 21	QA11042-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL BP	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL BP	SIMALC1	1	Ctrl Samp		
24	Vial 24	QA11043-1	SIMALC1	1	Sample		
25	Vial 25	QA11043-2	SIMALC1	1	Sample		
26	Vial 26	QA11043-3	SIMALC1	1	Sample		
27	Vial 27	QA11043-4	SIMALC1	1	Sample		
28	Vial 28	QA11043-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL BP	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL BP	SIMALC1	1	Ctrl Samp		
31	Vial 31	QA11044-1	SIMALC1	1	Sample		
32	Vial 32	QA11044-2	SIMALC1	1	Sample		
33	Vial 33	QA11044-3	SIMALC1	1	Sample		
34	Vial 34	QA11044-4	SIMALC1	1	Sample		
35	Vial 35	QA11044-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL BP	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL BP	SIMALC1	1	Ctrl Samp		

Sequence Table (Back Injector):

No entries - empty table!

11041 BJ
11042
11043
11044

Calibration Table

Calib. Data Modified : Wednesday, October 19, 2011 9:08:25 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
1.046	1	1	8.12800e-2	964.02588	8.43131e-5	1		Ethanol
		2	1.60090e-1	1901.08630	8.42097e-5			
		3	3.22750e-1	3800.85303	8.49151e-5			
1.711	1	1	1.00000	2583.90869	3.87011e-4	I1		n-Propanol
		2	1.00000	2588.41797	3.86336e-4			
		3	1.00000	2615.17603	3.82383e-4			

Peak Sum Table

No Entries in table

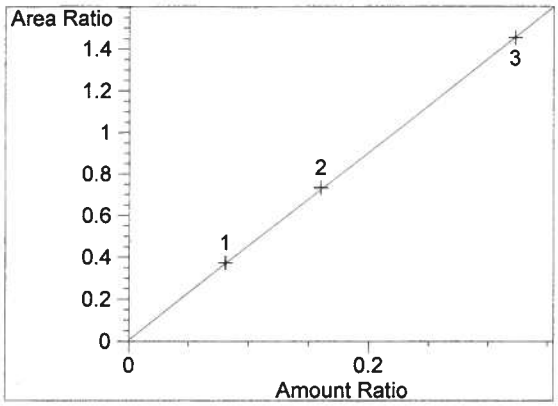
BL

1 1 0 4 1
1 1 0 4 2
1 1 1 0 4 4 3 4

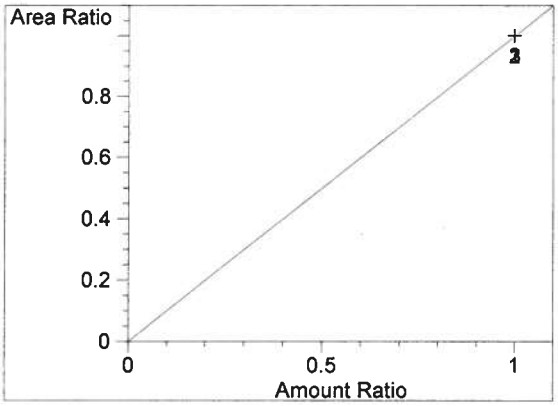
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.046
FID1 A,
Correlation: 0.99994
Residual Std. Dev.: 0.00797
Formula: y = mx + b
m: 4.50023
b: 5.56475e-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

==========

BCP

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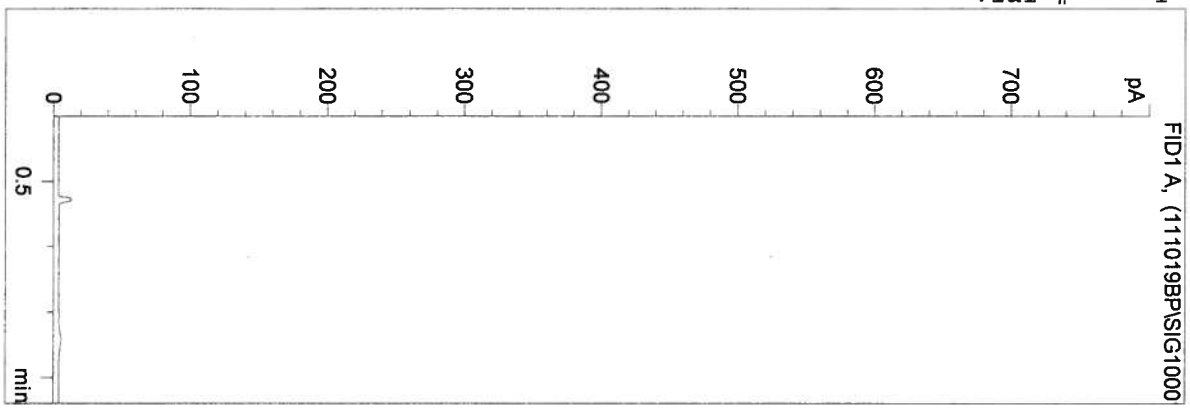
WASHINGTON STATE TOXICOLOGY LABORATORY

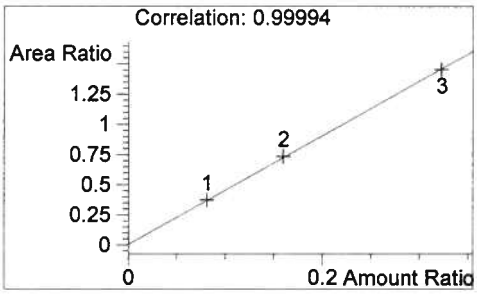
C:\HPCHEM\1\METHODS\SIMALC1.M
10/19/2011 8:56:57 AM
Instrument 1
DB-ALC1

BLANK
Brianna Peterson

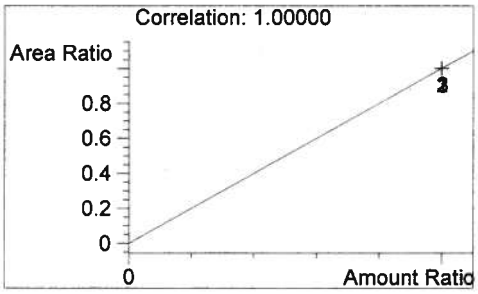
vial # 1



#	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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WASHINGTON STATE TOXICOLOGY LABORATORY

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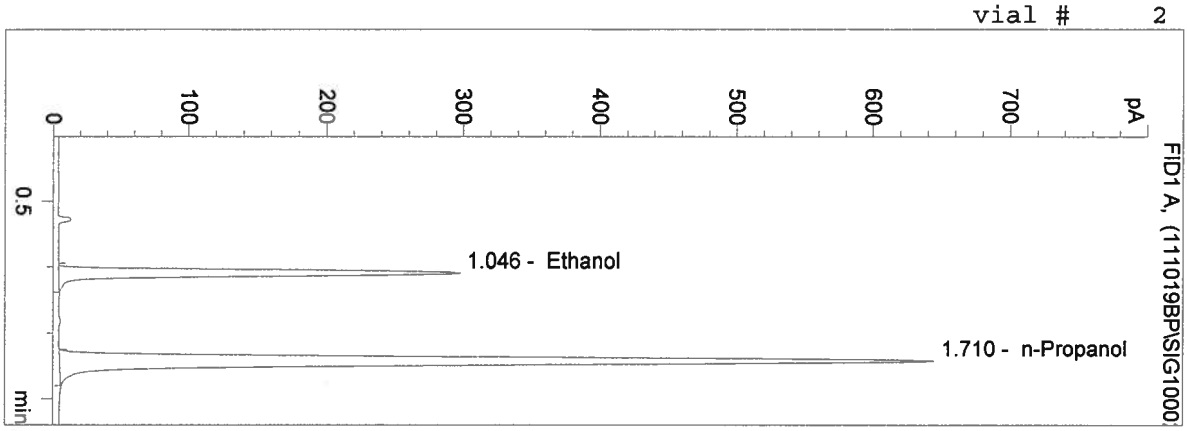
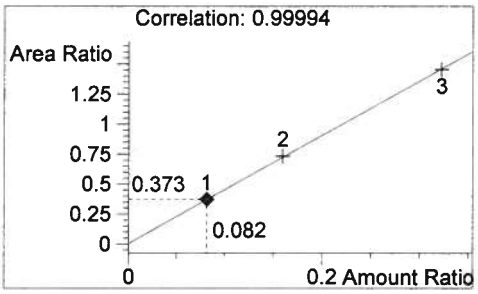
10/19/2011 9:00:02 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianna Peterson

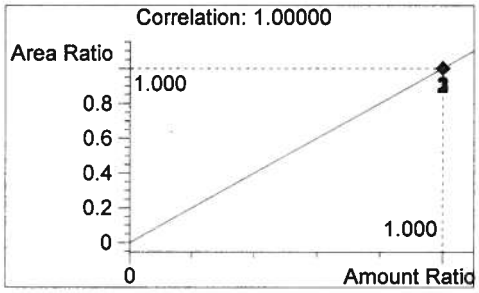
vial # 2



#	Compound	Area	RT
1	Ethanol	964	1.046
2	n-Propanol	2584	1.710
Tot			



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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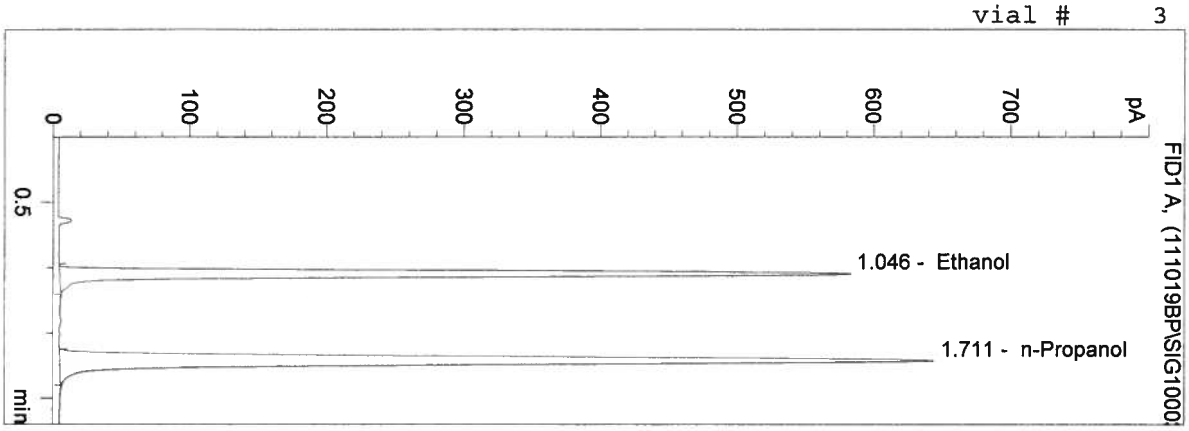
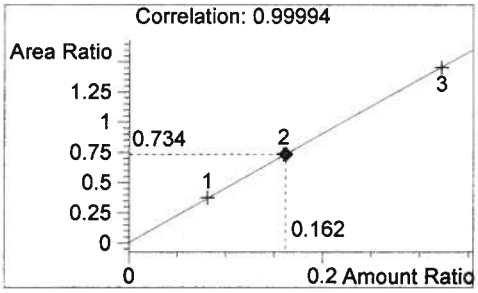
10/19/2011 9:03:07 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianna Peterson

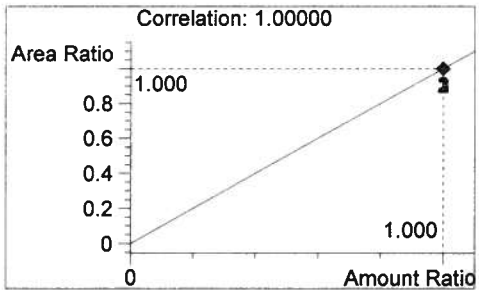
vial # 3



#	Compound	Area	RT
1	Ethanol	1901	1.046
2	n-Propanol	2588	1.711
Tot			



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

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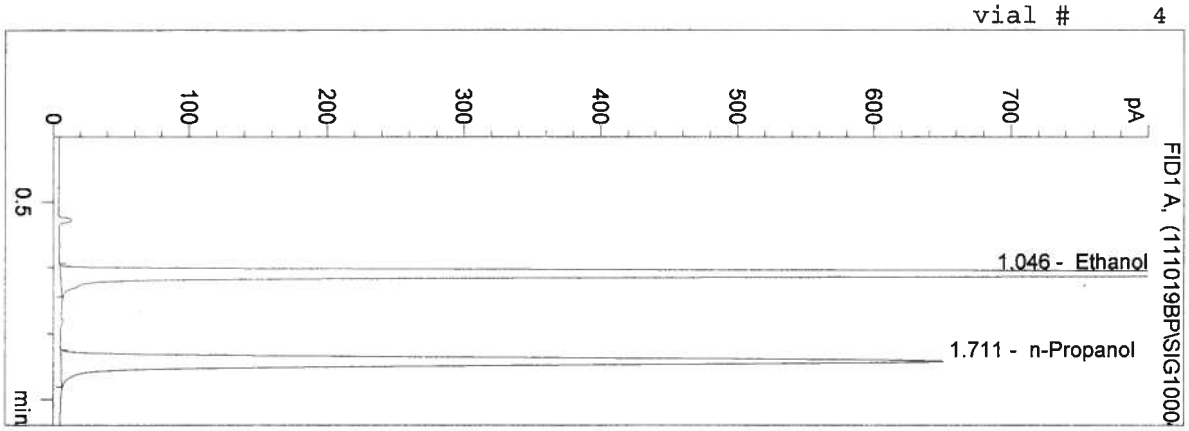
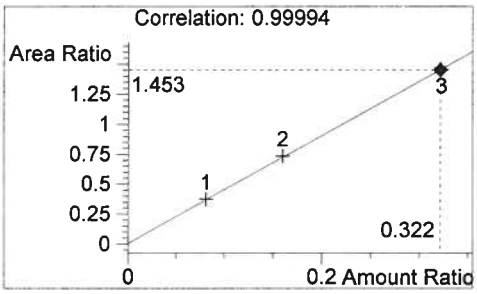
10/19/2011 9:06:11 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianna Peterson

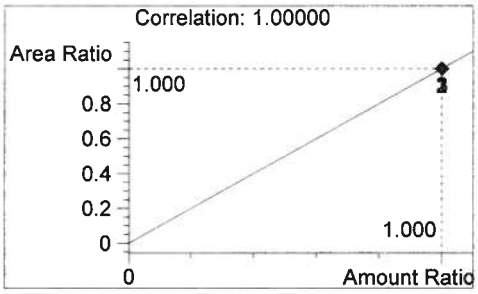
vial # 4



#	Compound	Area	RT
1	Ethanol	3801	1.046
2	n-Propanol	2615	1.711
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

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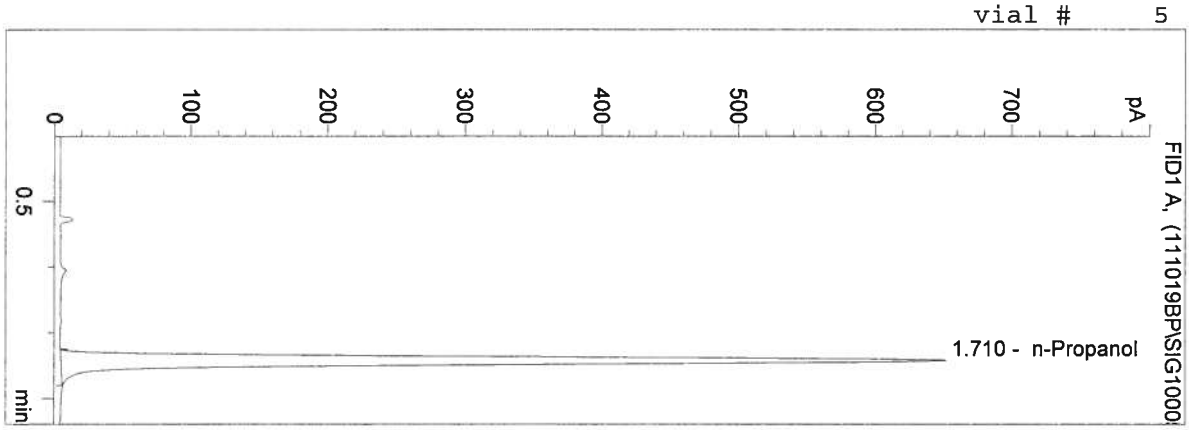
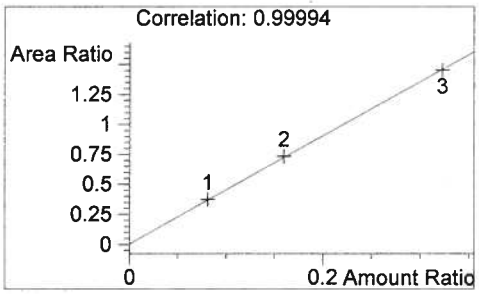
10/19/2011 9:09:16 AM
Instrument 1
DB-ALC1

NEG CTRL BP
Brianna Peterson

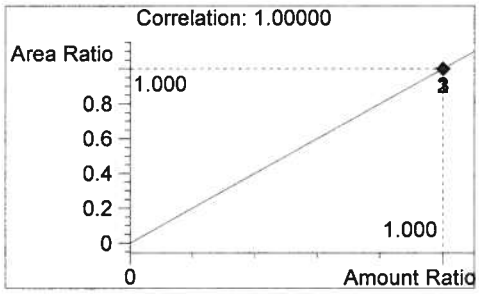
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2612	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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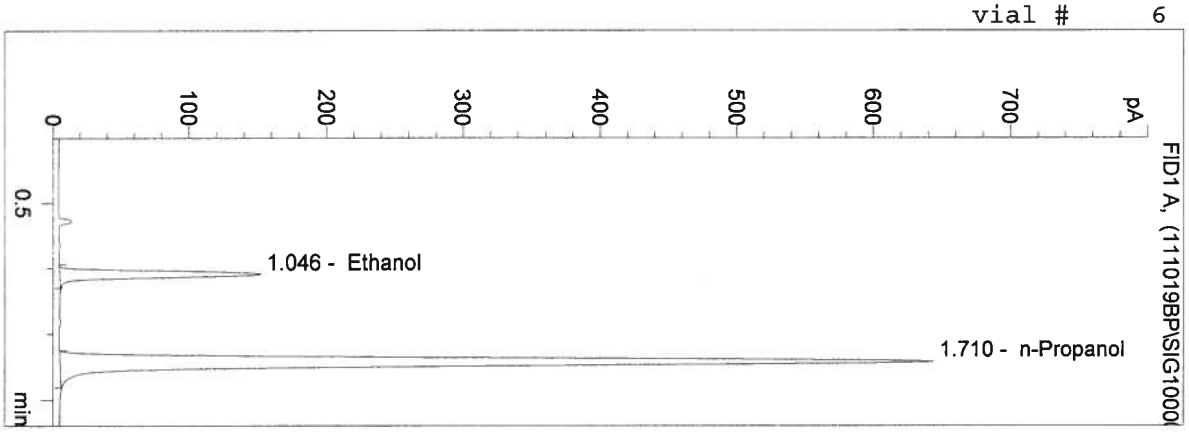
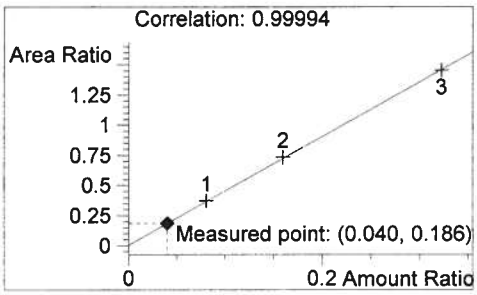
10/19/2011 9:12:21 AM
Instrument 1
DB-ALC1

0.04 CTRL BP
Brianna Peterson

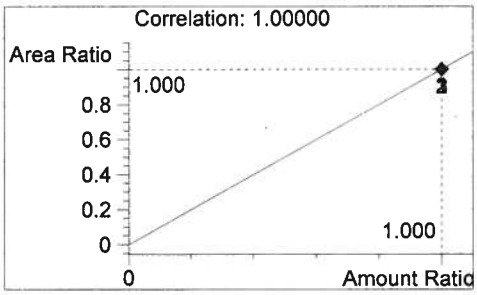
vial # 6



#	Compound	Area	RT
1	Ethanol	482	1.046
2	n-Propanol	2586	1.710
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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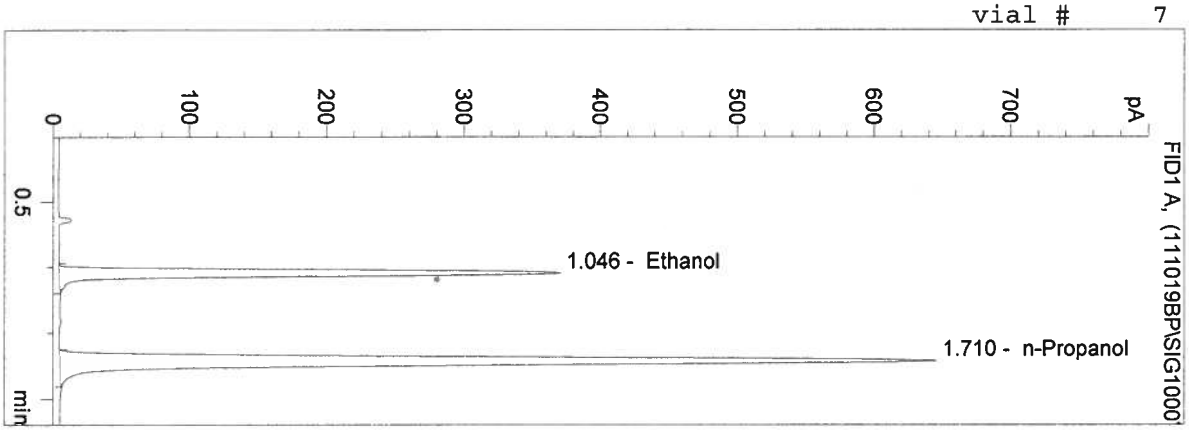
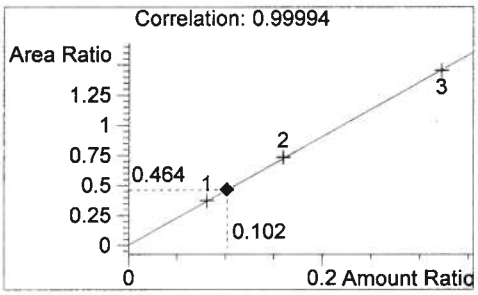
10/19/2011 9:15:26 AM
Instrument 1
DB-ALC1

0.10 CTRL BP
Brianna Peterson

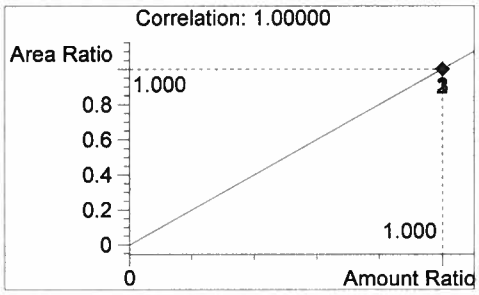
vial # 7



#	Compound	Area	RT
1	Ethanol	1203	1.046
2	n-Propanol	2594	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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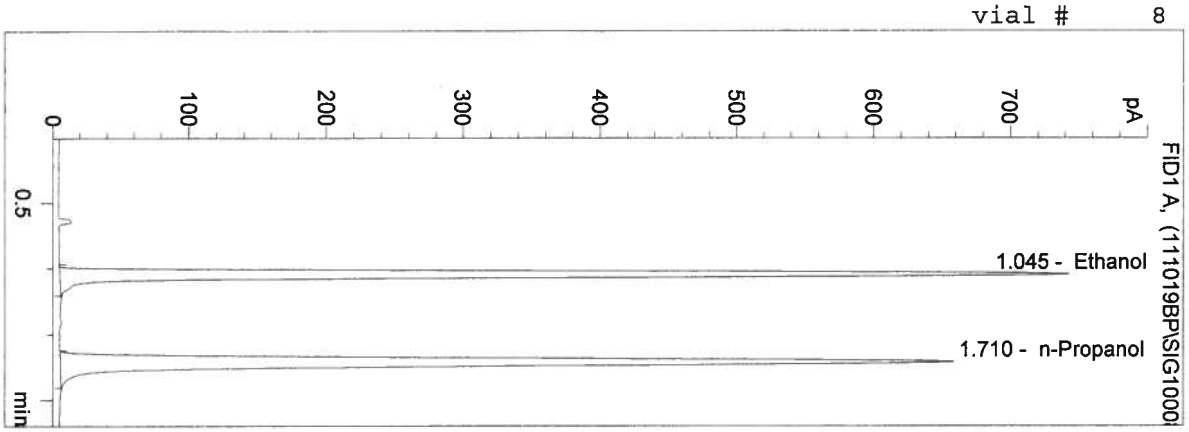
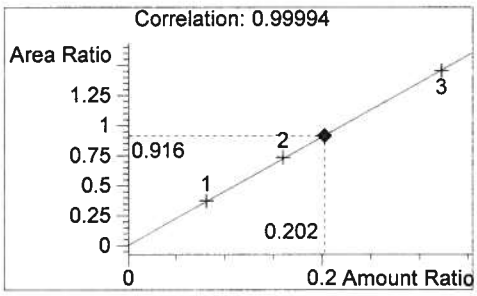
10/19/2011 9:18:31 AM
Instrument 1
DB-ALC1

0.20 CTRL BP
Brianna Peterson

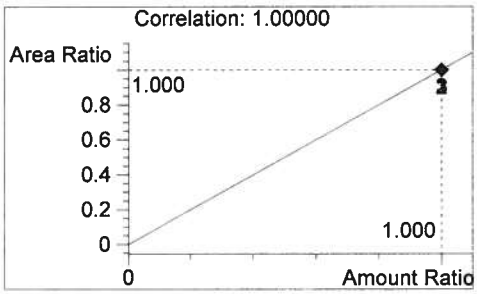
vial # 8



#	Compound	Area	RT
1	Ethanol	2418	1.045
2	n-Propanol	2638	1.710
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

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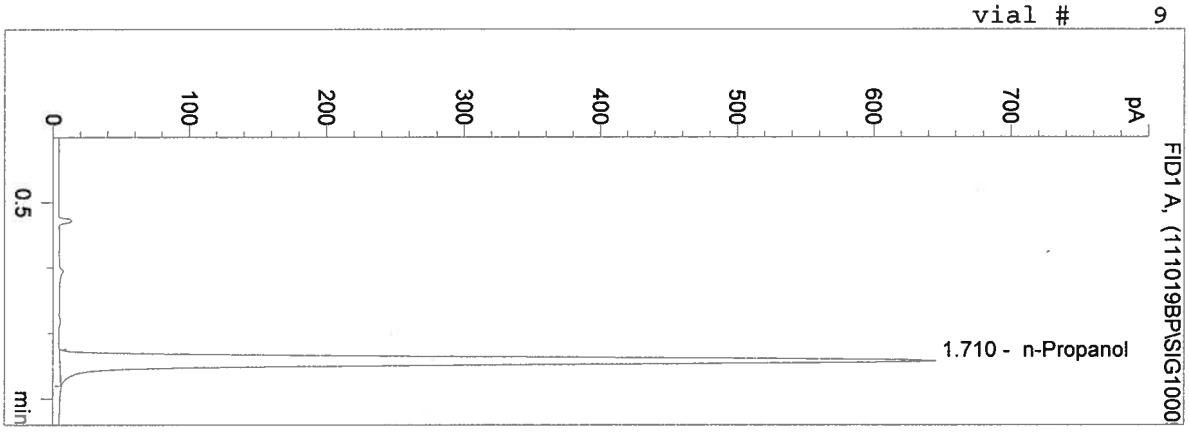
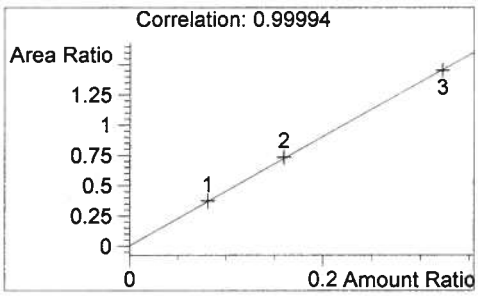
10/19/2011 9:21:36 AM
Instrument 1
DB-ALC1

NEG CTRL BP
Brianna Peterson

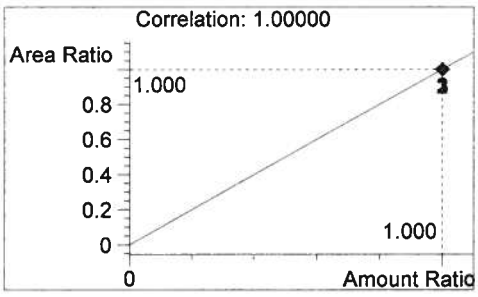
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2590	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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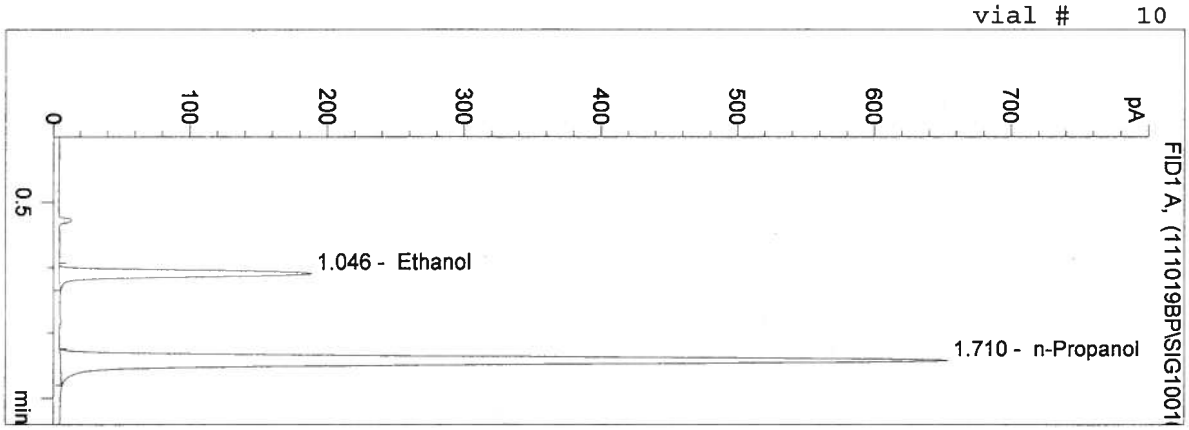
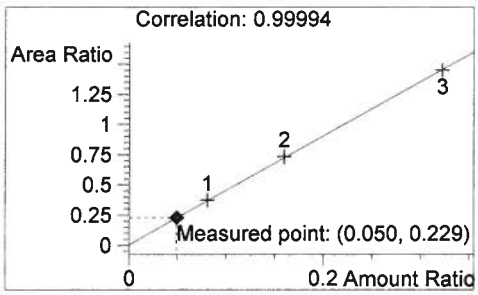
10/19/2011 9:24:41 AM
Instrument 1
DB-ALC1

QA11041-1
Brianna Peterson

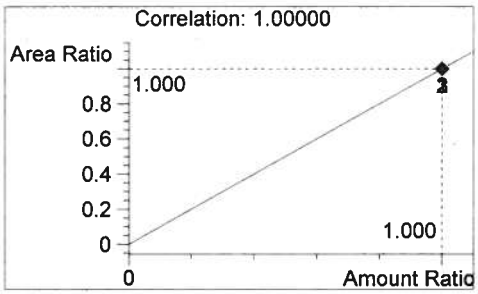
vial # 10



#	Compound	Area	RT
1	Ethanol	602	1.046
2	n-Propanol	2630	1.710
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

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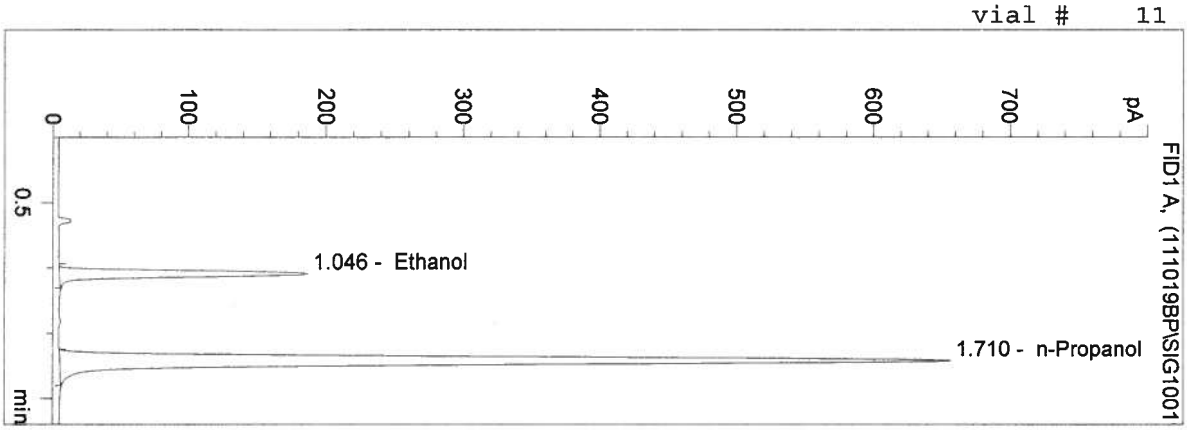
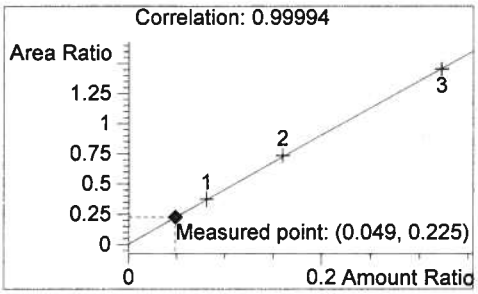
10/19/2011 9:27:45 AM
Instrument 1
DB-ALC1

QA11041-2
Brianna Peterson

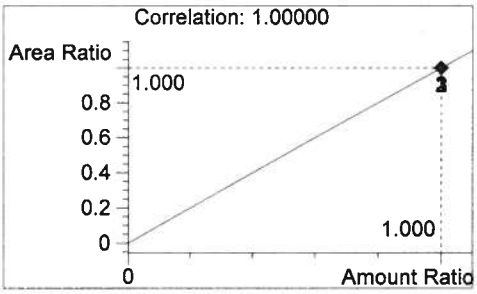
vial # 11



#	Compound	Area	RT
1	Ethanol	595	1.046
2	n-Propanol	2640	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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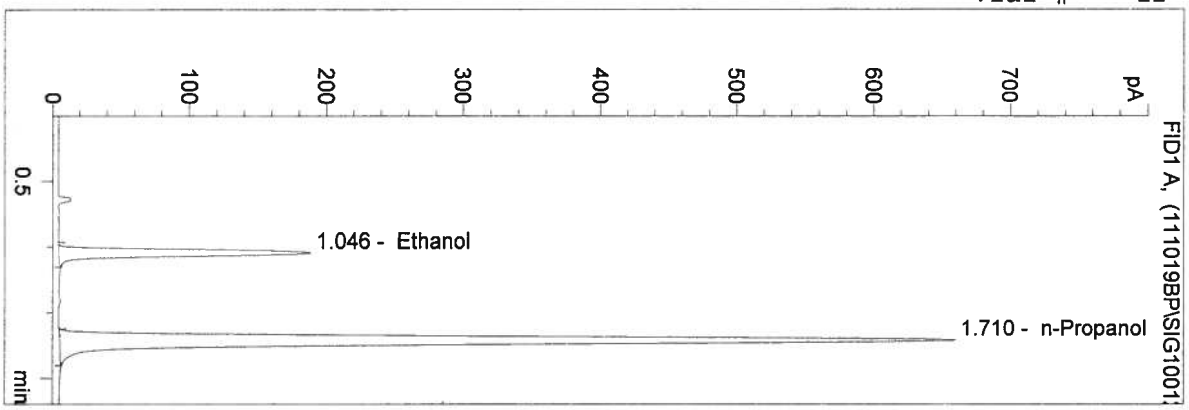
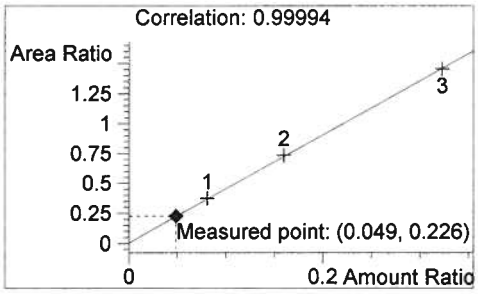
10/19/2011 9:30:50 AM
Instrument 1
DB-ALC1

QA11041-3
Brianna Peterson

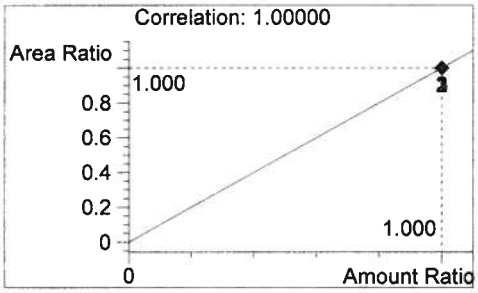
vial # 12



#	Compound	Area	RT
1	Ethanol	600	1.046
2	n-Propanol	2653	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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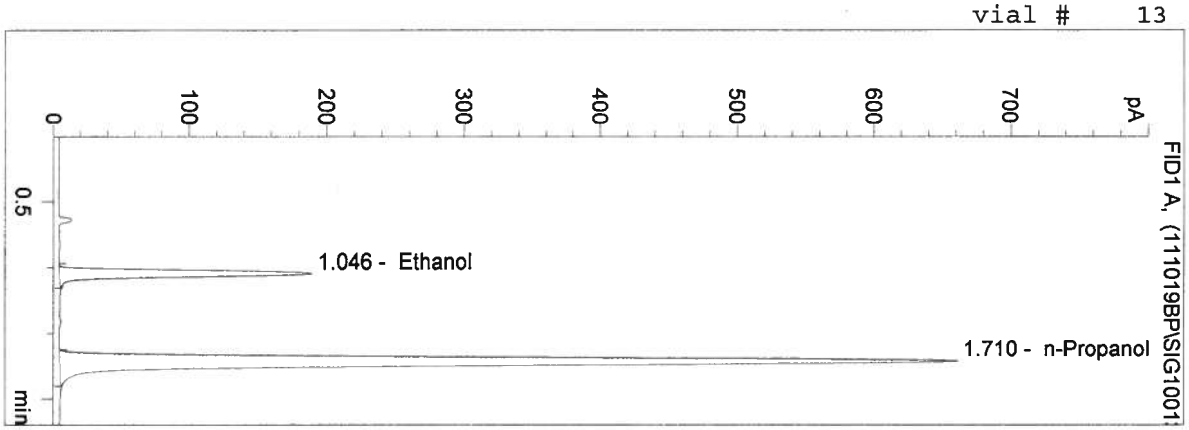
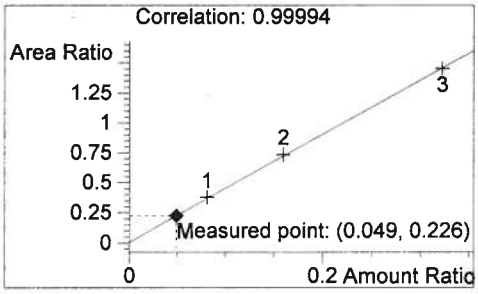
10/19/2011 9:33:55 AM
Instrument 1
DB-ALC1

QA11041-4
Brianna Peterson

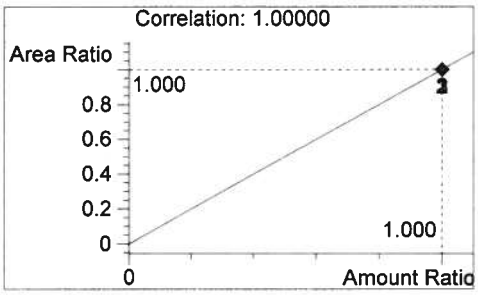
vial # 13



#	Compound	Area	RT
1	Ethanol	601	1.046
2	n-Propanol	2655	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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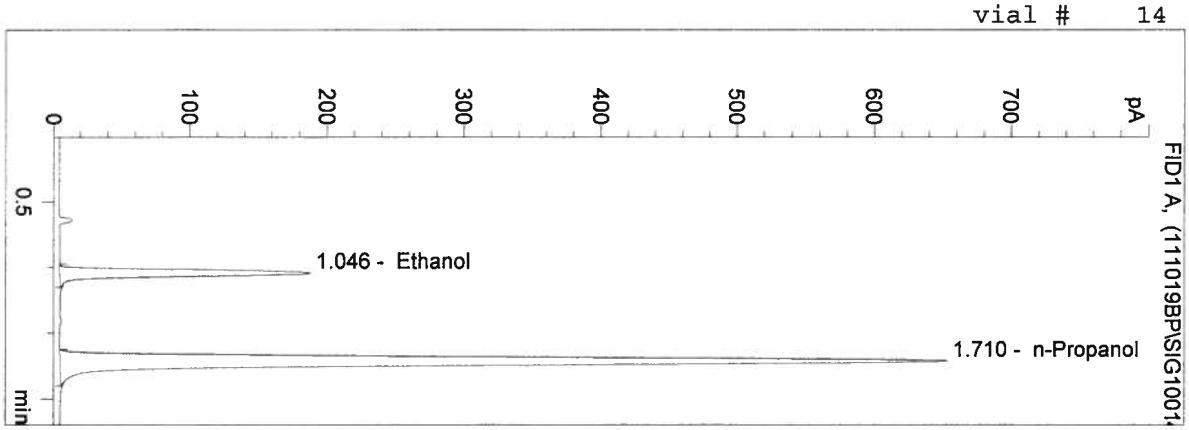
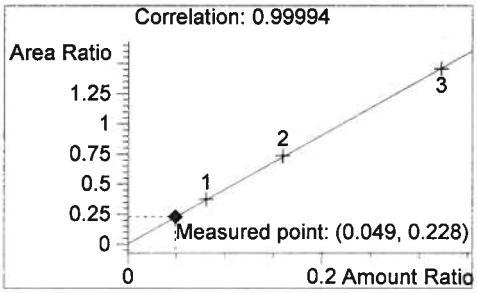
10/19/2011 9:37:00 AM
Instrument 1
DB-ALC1

QA11041-5
Brianna Peterson

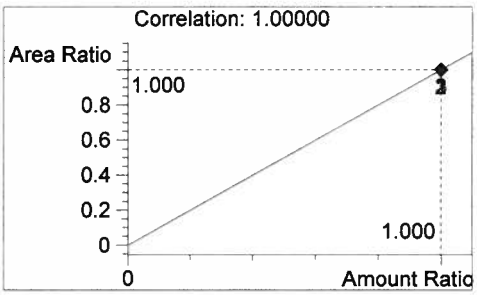
vial # 14



#	Compound	Area	RT
1	Ethanol	597	1.046
2	n-Propanol	2624	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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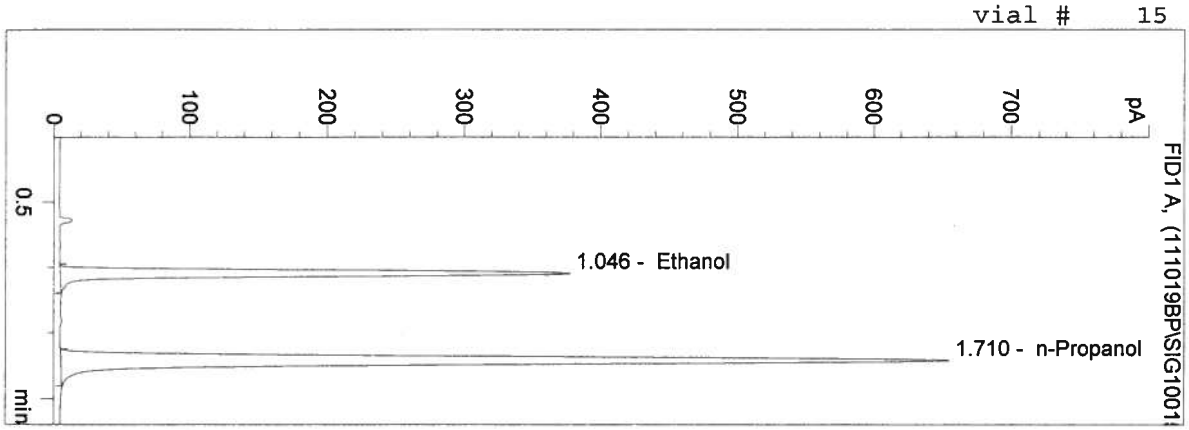
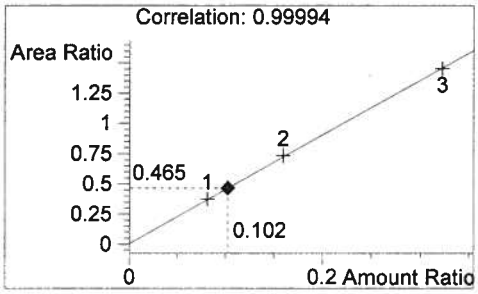
10/19/2011 9:40:04 AM
Instrument 1
DB-ALC1

0.10 CTRL BP
Brianna Peterson

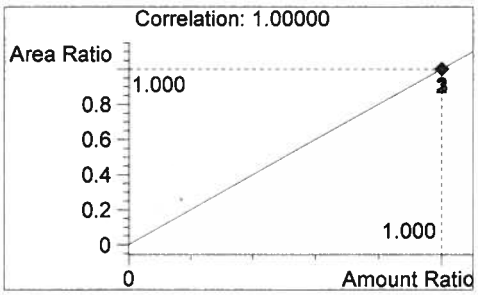
vial # 15



#	Compound	Area	RT
1	Ethanol	1226	1.046
2	n-Propanol	2635	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

11041

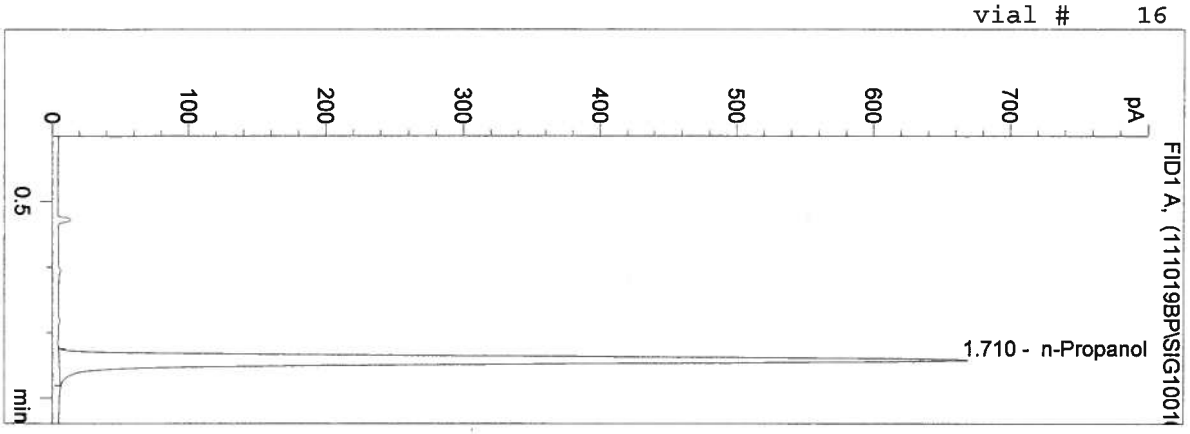
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

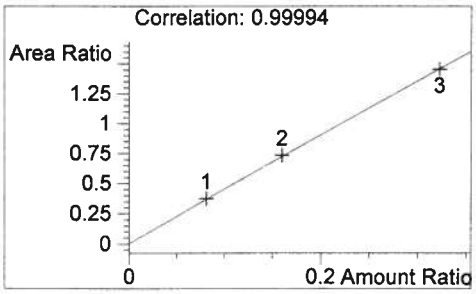
C:\HPCHEM\1\METHODS\SIMALC1.M
10/19/2011 9:43:09 AM
Instrument 1
DB-ALC1

NEG CTRL BP
Brianna Peterson

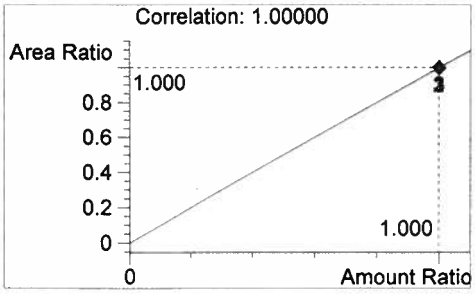
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2689	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11041

BL

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:	111020R2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

RS

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0911-01
3	Vial 3	E0911-02
4	Vial 4	E0911-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

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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	RF
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 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 10041 #1	SIMALC1	1	Sample		
11	Vial 11	QAP0.04 10041 #2	SIMALC1	1	Sample		
12	Vial 12	QAP0.04 10041 #3	SIMALC1	1	Sample		
13	Vial 13	QAP0.04 10041 #4	SIMALC1	1	Sample		
14	Vial 14	QAP0.04 10041 #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 10042 #1	SIMALC1	1	Sample		

RF 10-21-11

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
18	Vial 18	QAP0.08 11042 #2	SIMALC1	1	Sample		
19	Vial 19	QAP0.08 11042 #3	SIMALC1	1	Sample		
20	Vial 20	QAP0.08 11042 #4	SIMALC1	1	Sample		
21	Vial 21	QAP0.08 11042 #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 11043 #1	SIMALC1	1	Sample		
25	Vial 25	QAP0.10 11043 #2	SIMALC1	1	Sample		
26	Vial 26	QAP0.10 11043 #3	SIMALC1	1	Sample		
27	Vial 27	QAP0.10 11043 #4	SIMALC1	1	Sample		
28	Vial 28	QAP0.10 11043 #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 11044 #1	SIMALC1	1	Sample		
32	Vial 32	QAP0.15 11044 #2	SIMALC1	1	Sample		
33	Vial 33	QAP0.15 11044 #3	SIMALC1	1	Sample		
34	Vial 34	QAP0.15 11044 #4	SIMALC1	1	Sample		
35	Vial 35	QAP0.15 11044 #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 10-21-11

RF 10-21-11

RF 10-21-11

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!

11041

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Calibration Table

Calib. Data Modified : Thursday, October 20, 2011 10:38:16 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
1.047	1	1	8.12800e-2	967.02216	8.40518e-5	1		Ethanol
		2	1.60090e-1	1911.88367	8.37342e-5			
		3	3.22750e-1	3851.46655	8.37992e-5			
1.711	1	1	1.00000	2599.37427	3.84708e-4	I1		n-Propanol
		2	1.00000	2613.39111	3.82645e-4			
		3	1.00000	2654.80835	3.76675e-4			

Peak Sum Table

No Entries in table

11041
11042
11043
11044

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Calibration Curves

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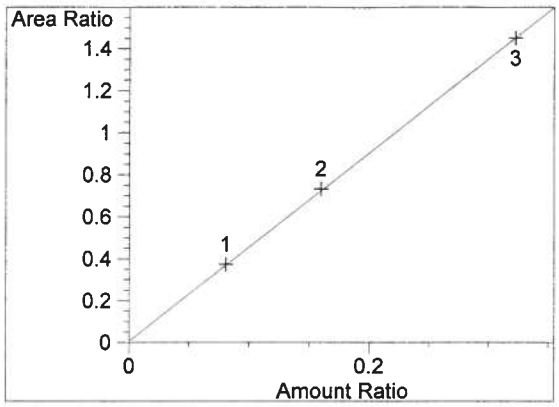
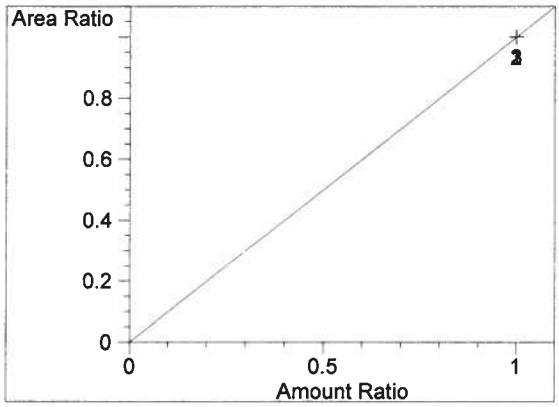


Ethanol at exp. RT: 1.047
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00709
Formula: y = mx + b
m: 4.49197
b: 5.08322e-3
x: Amount Ratio
y: Area Ratio



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

RF

==========

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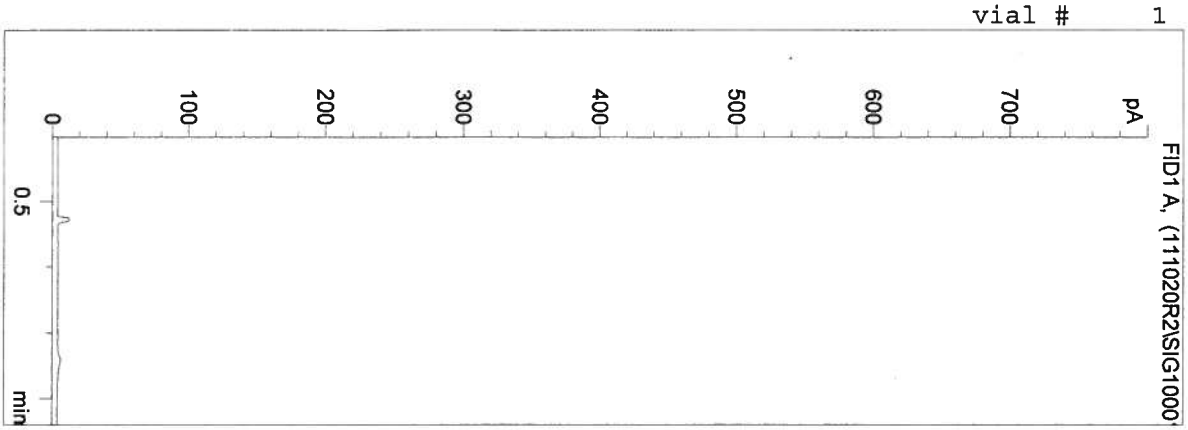
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:26:48 AM
Instrument 1
DB-ALC1

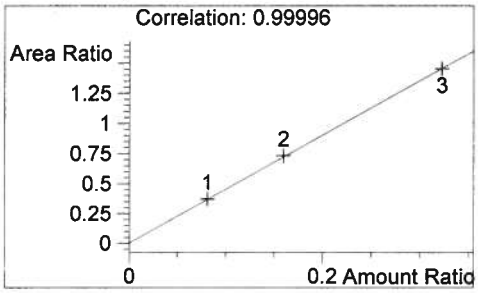
BLANK
Rebecca Flaherty

vial # 1

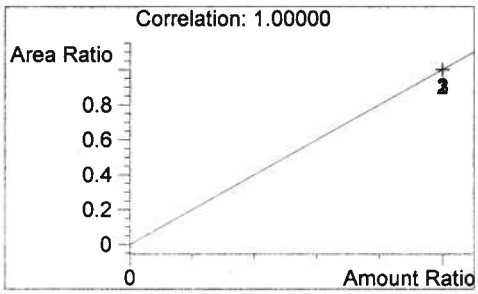


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

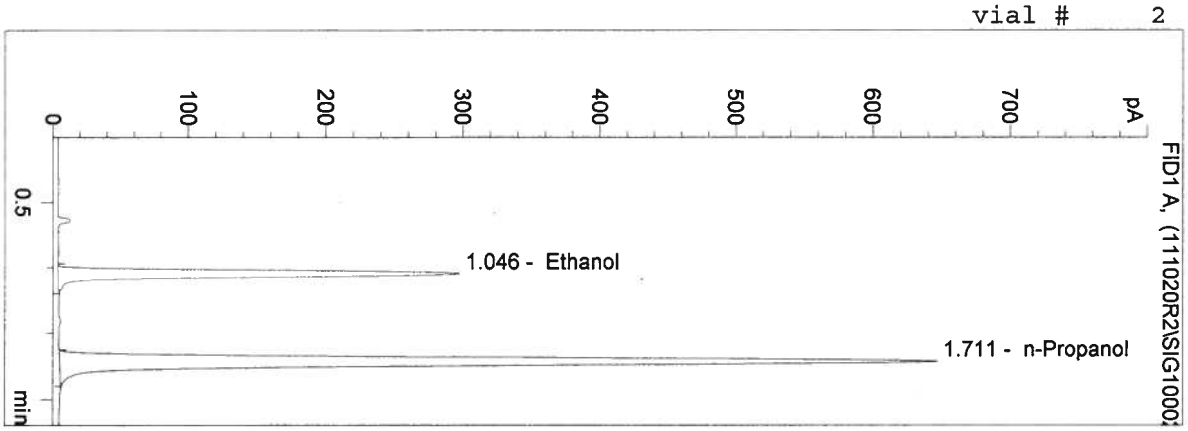
11041
111044 23
11044

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:29:53 AM
Instrument 1
DB-ALC1

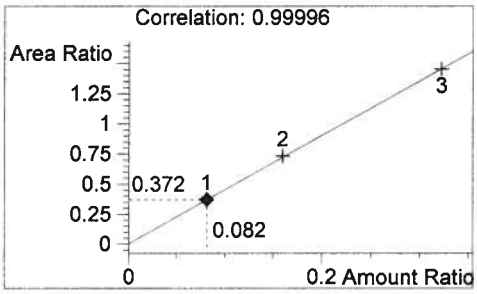
0.079 CAL 1
Rebecca Flaherty

vial # 2

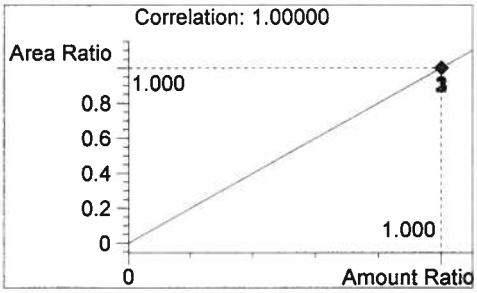


#	Compound	Area	RT
1	Ethanol	967	1.046
2	n-Propanol	2599	1.711
Tot			

RF



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

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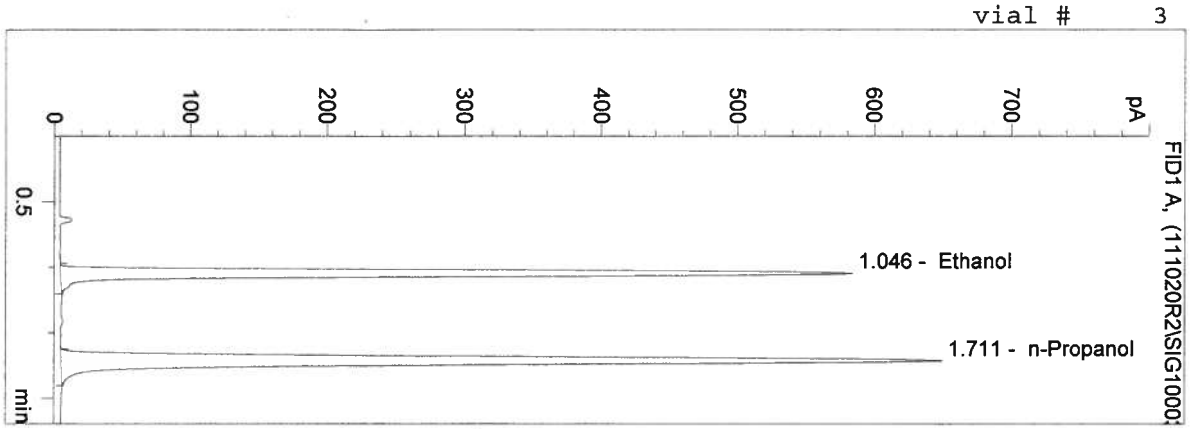
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:32:58 AM
Instrument 1
DB-ALC1

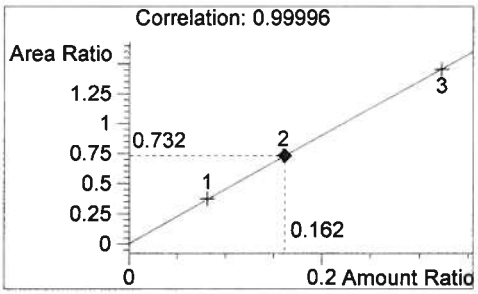
0.158 CAL 2
Rebecca Flaherty

vial # 3

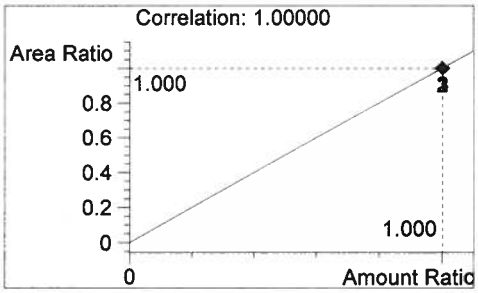


#	Compound	Area	RT
1	Ethanol	1912	1.046
2	n-Propanol	2613	1.711
Tot			

RF



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

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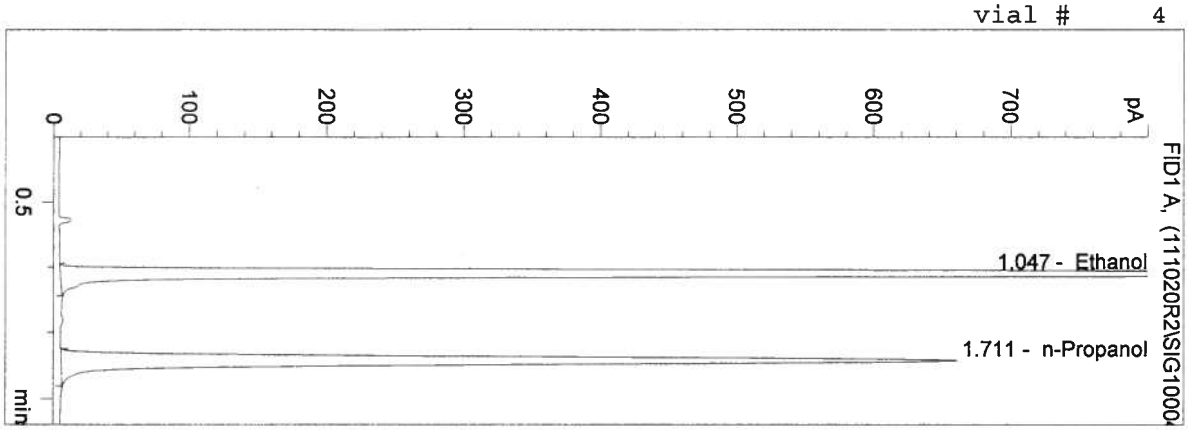
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:36:02 AM
Instrument 1
DB-ALC1

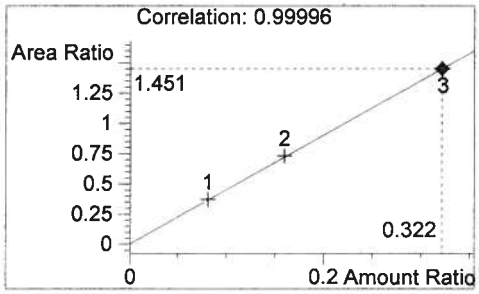
0.316 CAL 3
Rebecca Flaherty

vial # 4

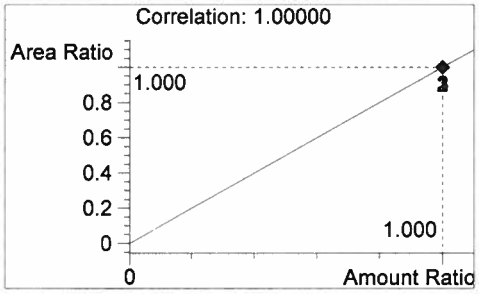


#	Compound	Area	RT
1	Ethanol	3851	1.047
2	n-Propanol	2655	1.711
Tot			

RF



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

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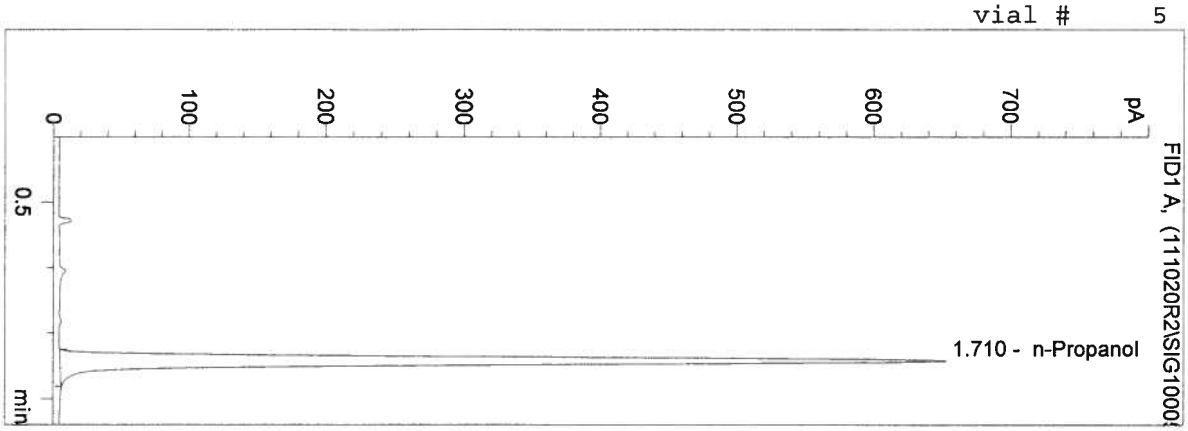
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:39:07 AM
Instrument 1
DB-ALC1

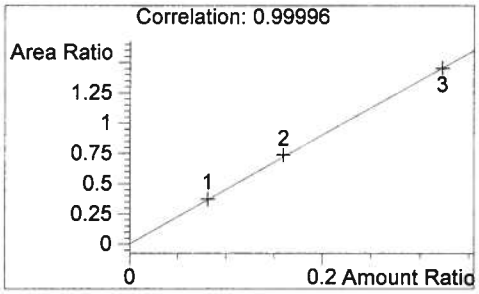
NEG CONTROL-RF
Rebecca Flaherty

vial # 5

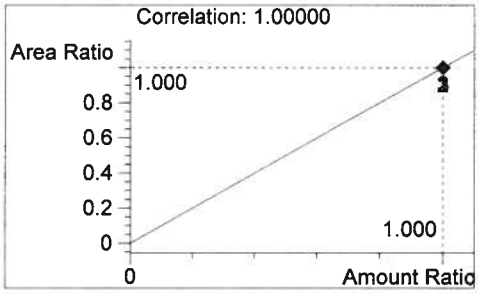


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2630	1.710
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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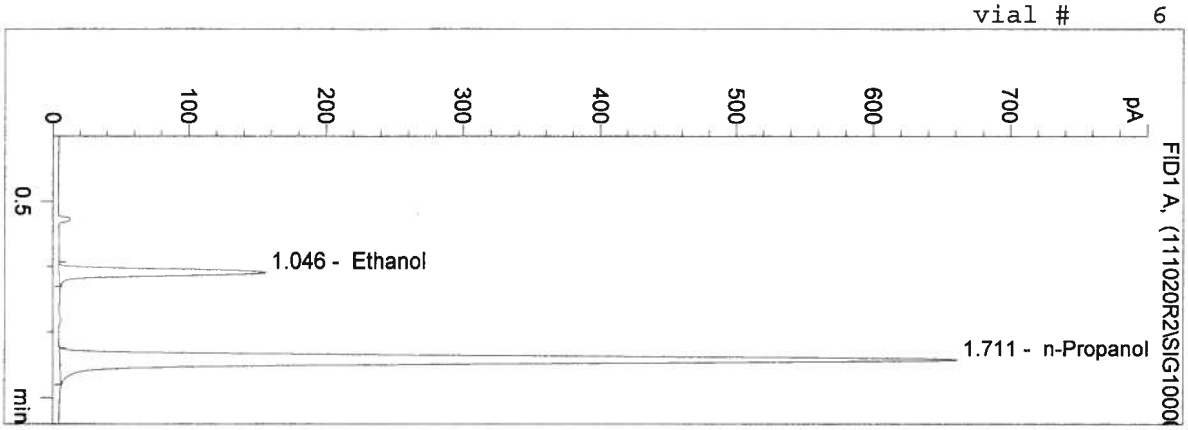
WASHINGTON STATE TOXICOLOGY LABORATORY

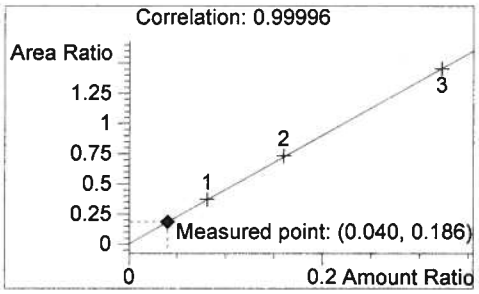
C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:42:12 AM
Instrument 1
DB-ALC1

0.04 CONTROL-RF
Rebecca Flaherty

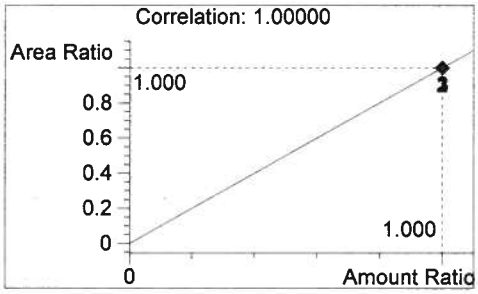
vial # 6



#	Compound	Area	RT
1	Ethanol	496	1.046
2	n-Propanol	2665	1.711
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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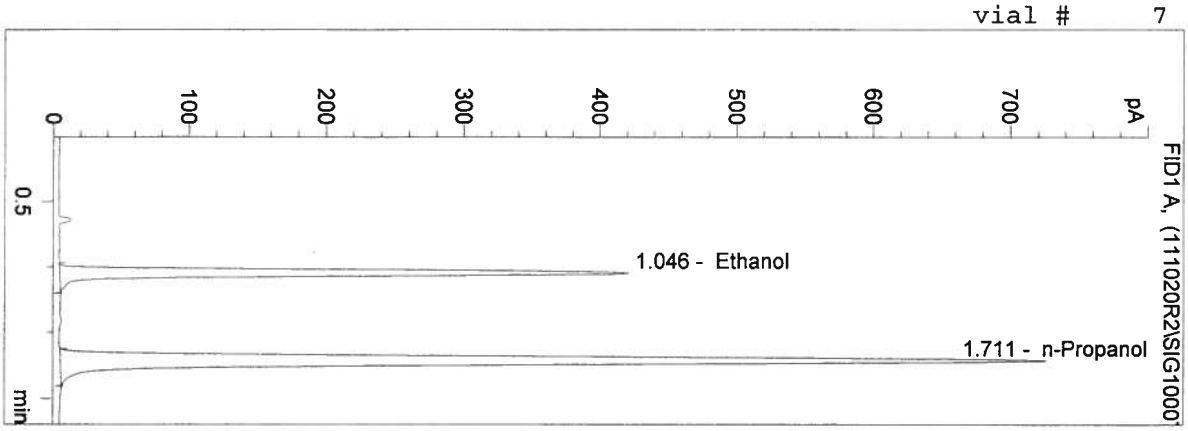
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:45:17 AM
Instrument 1
DB-ALC1

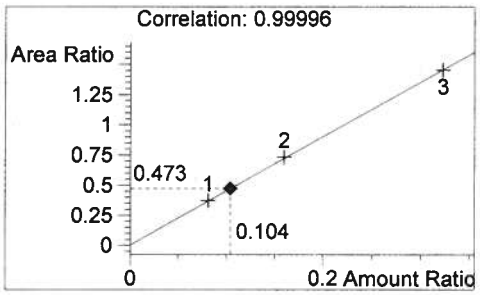
0.10 CONTROL-RF
Rebecca Flaherty

vial # 7

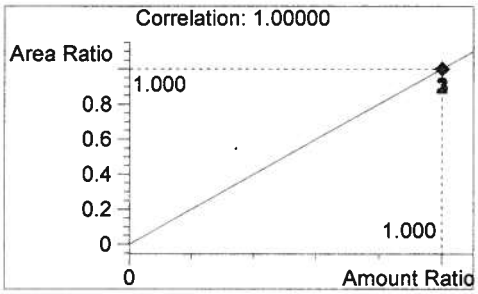


#	Compound	Area	RT
1	Ethanol	1381	1.046
2	n-Propanol	2922	1.711
Tot			

RF



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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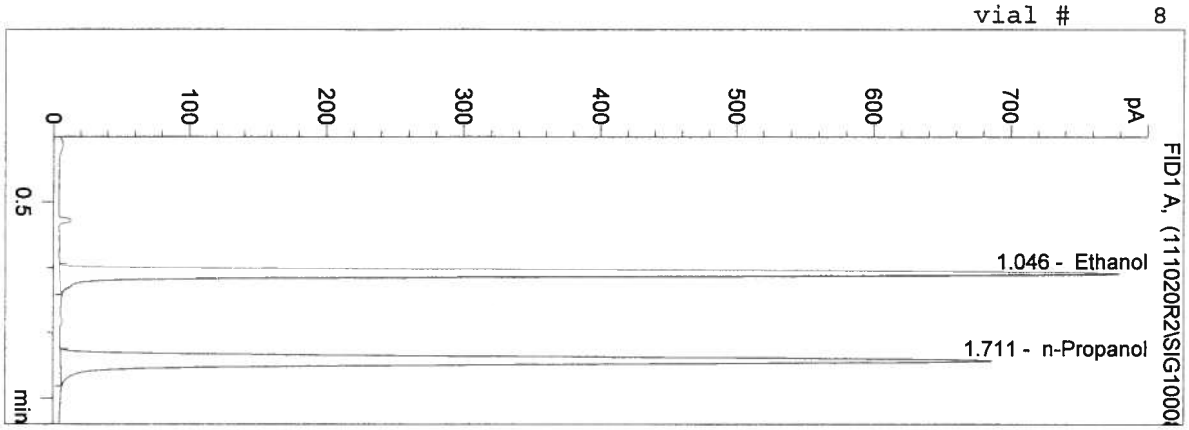
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:48:21 AM
Instrument 1
DB-ALC1

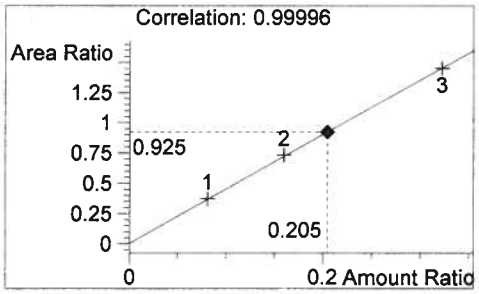
0.20 CONTROL-RF
Rebecca Flaherty

vial # 8

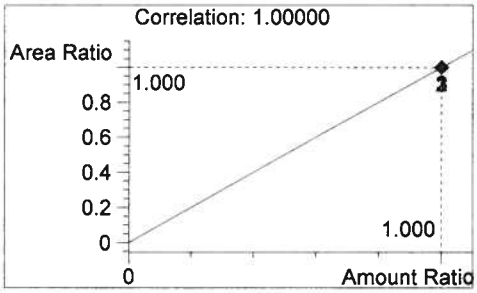


#	Compound	Area	RT
1	Ethanol	2549	1.046
2	n-Propanol	2756	1.711
Tot			

RK



Ethanol 0.205 g/100 mL



n-Propanol 1.000 g/100 mL

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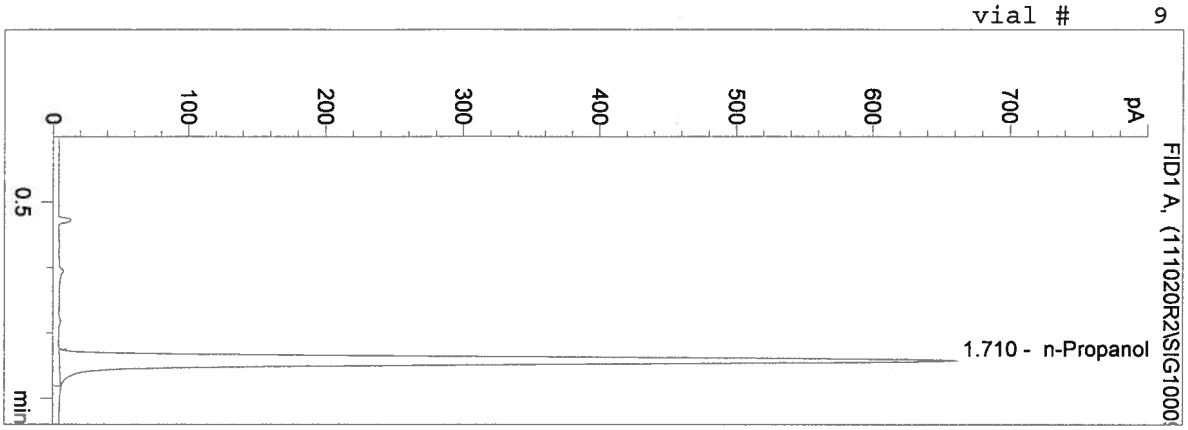
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:51:26 AM
Instrument 1
DB-ALC1

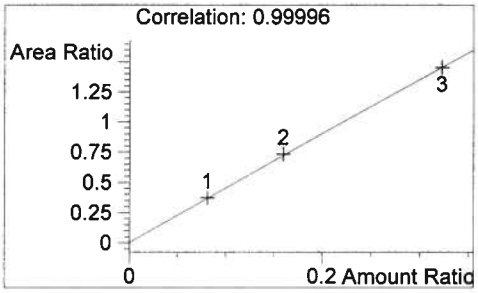
NEG CONTROL-RF
Rebecca Flaherty

vial # 9

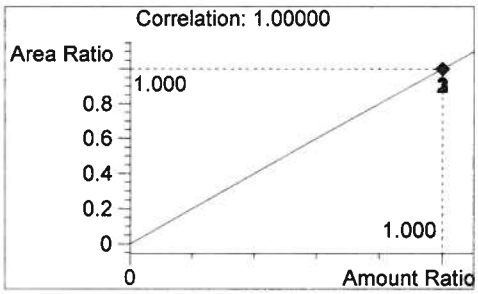


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2663	1.710
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

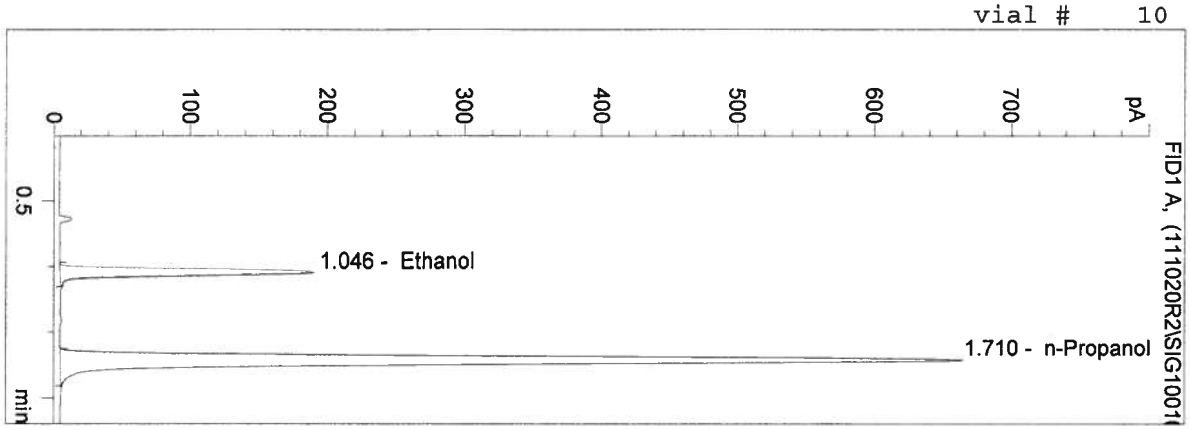
11041
11042
11043
11044

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:54:31 AM
Instrument 1
DB-ALC1

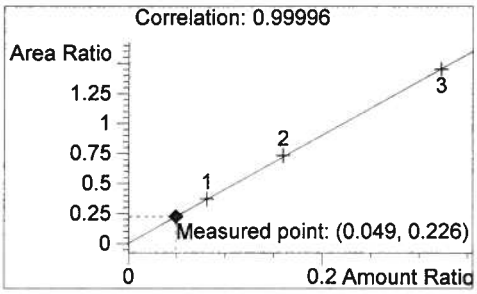
11041 RF10-21-11
QAP0.04 ~~10041~~ #1
Rebecca Flaherty

vial # 10

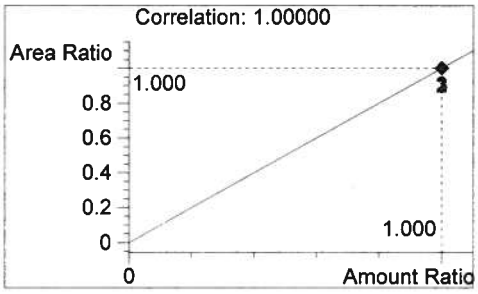


#	Compound	Area	RT
1	Ethanol	605	1.046
2	n-Propanol	2672	1.710
Tot			

RF



Ethanol 0.049 g/100 mL



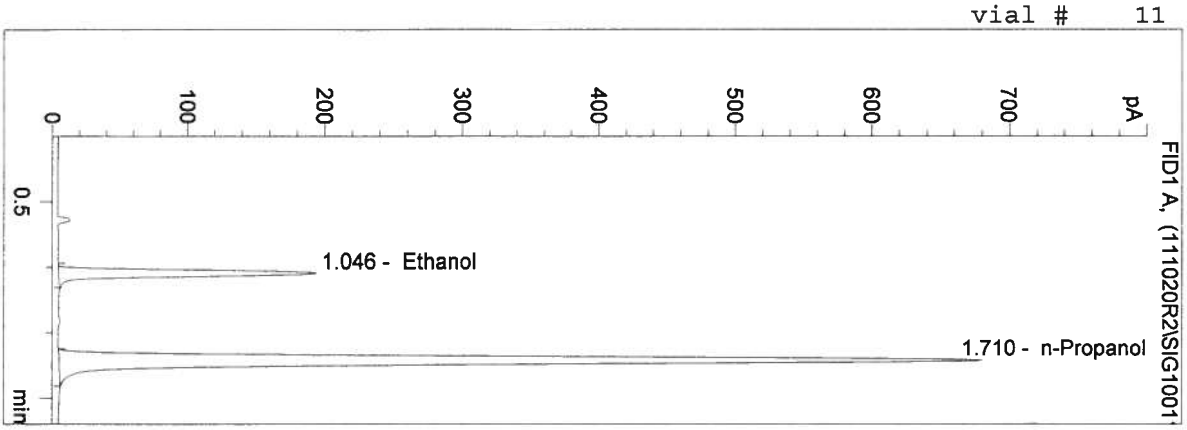
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 10:57:36 AM
Instrument 1
DB-ALC1

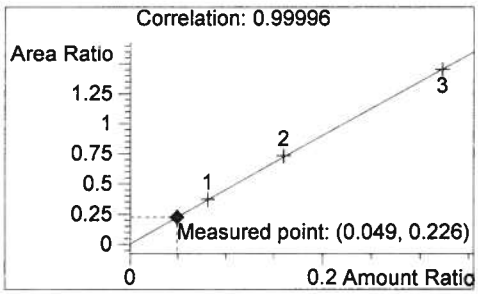
1 RF 10 21-11
QAP0.04 10041 #2
Rebecca Flaherty

vial # 11

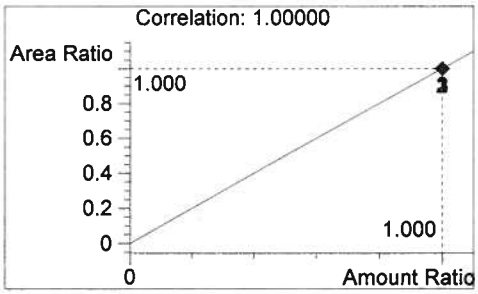


#	Compound	Area	RT
1	Ethanol	618	1.046
2	n-Propanol	2734	1.710
Tot			

RF



Ethanol 0.049 g/100 mL



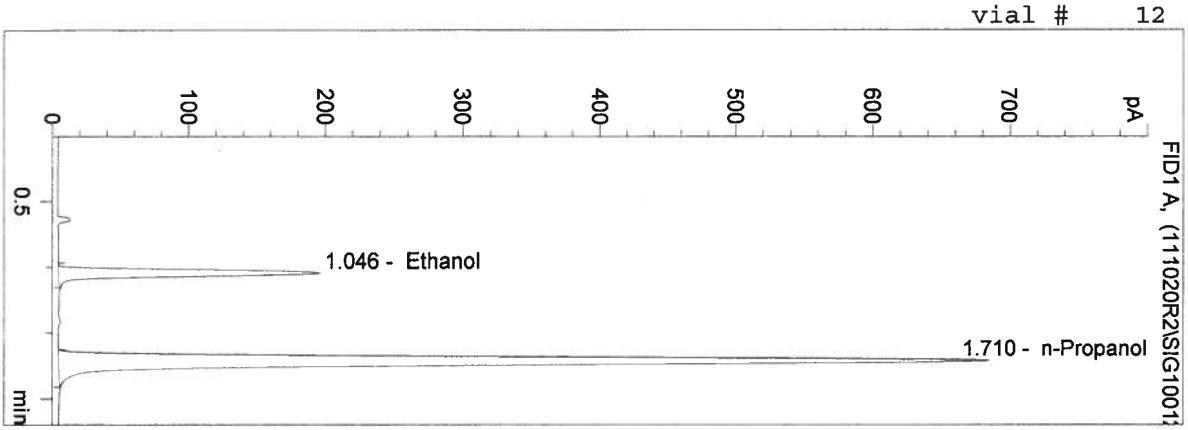
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 11:00:40 AM
Instrument 1
DB-ALC1

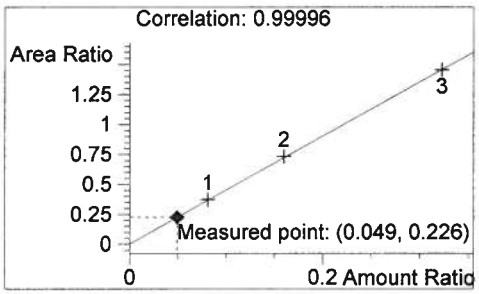
1 RF 10-21-11
QAP0.04 10041 #3
Rebecca Flaherty

vial # 12

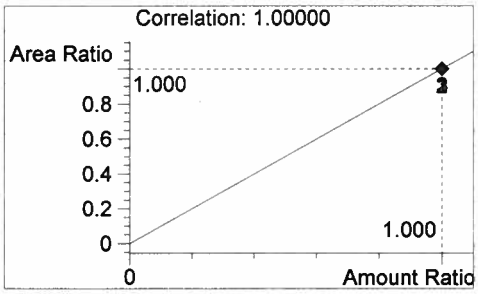


#	Compound	Area	RT
1	Ethanol	622	1.046
2	n-Propanol	2752	1.710
Tot			

RF



Ethanol 0.049 g/100 mL



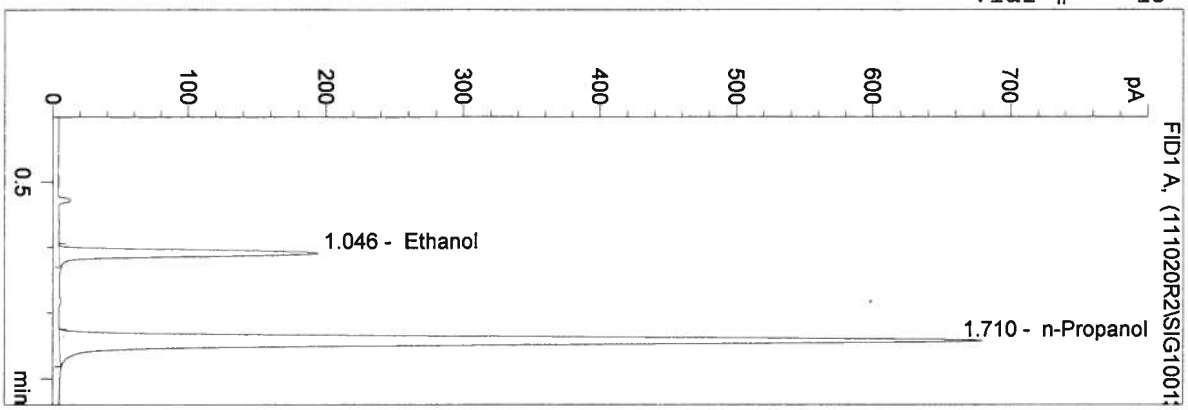
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 11:03:45 AM
Instrument 1
DB-ALC1

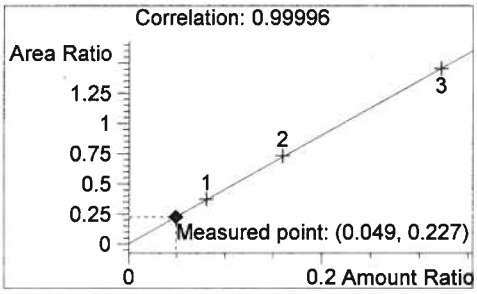
1 RF 10-21-11
QAP0.04 1~~0~~041 #4
Rebecca Flaherty

vial # 13

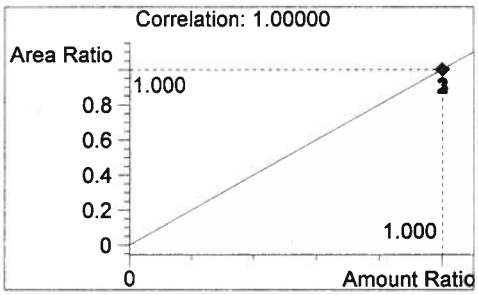


#	Compound	Area	RT
1	Ethanol	617	1.046
2	n-Propanol	2725	1.710
Tot			

RF



Ethanol 0.049 g/100 mL



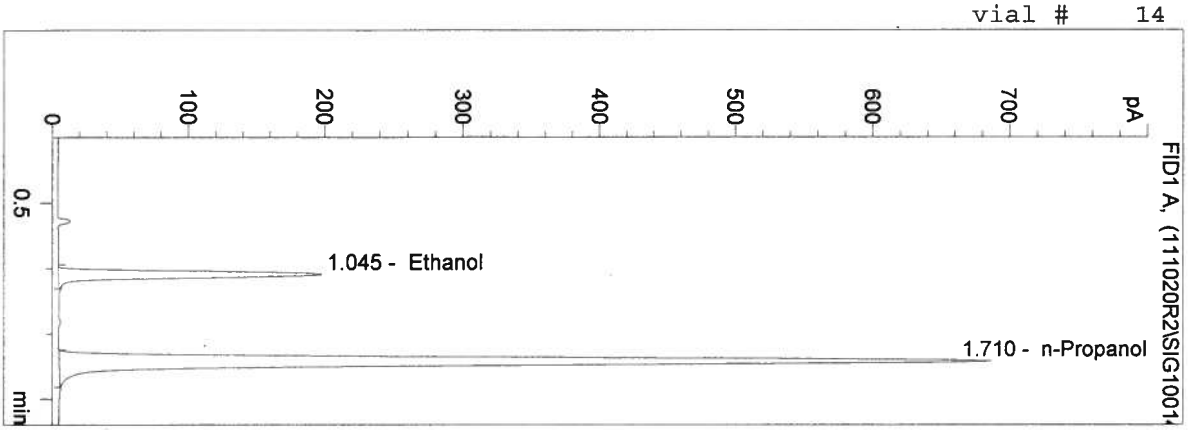
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 11:06:50 AM
Instrument 1
DB-ALC1

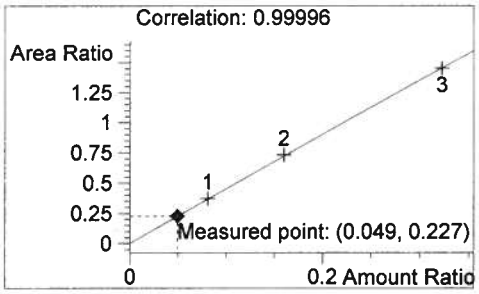
1 RF10-21-11
QAP0.04 10041 #5
Rebecca Flaherty

vial # 14

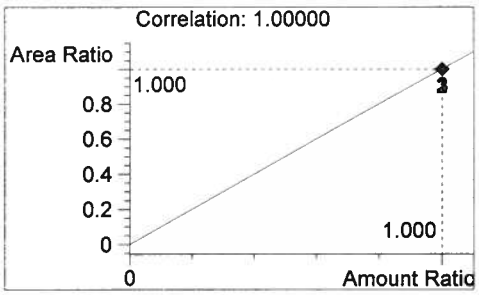


#	Compound	Area	RT
1	Ethanol	627	1.045
2	n-Propanol	2761	1.710
Tot			

RF



Ethanol 0.049 g/100 mL



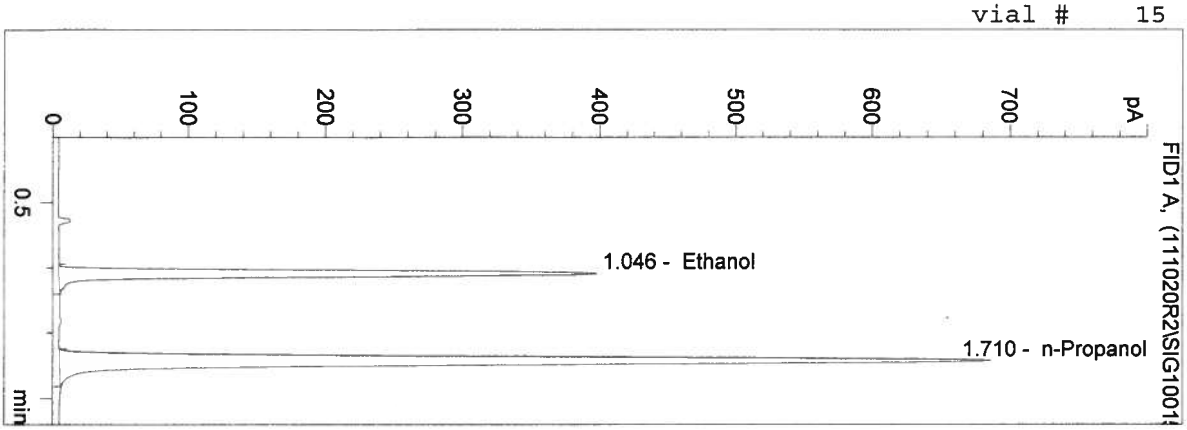
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 11:09:55 AM
Instrument 1
DB-ALC1

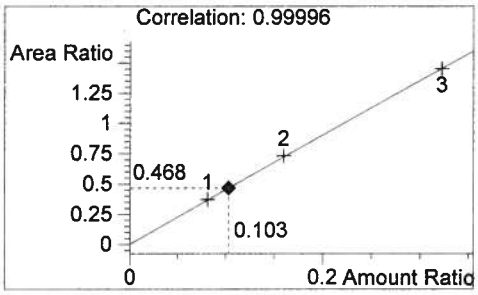
0.10 CONTROL-RF
Rebecca Flaherty

vial # 15

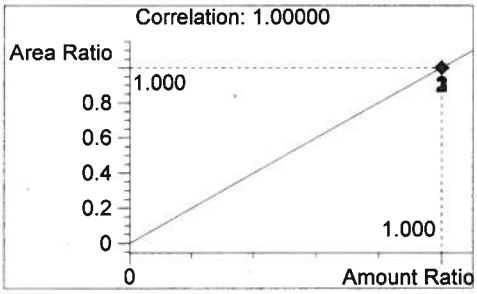


#	Compound	Area	RT
1	Ethanol	1291	1.046
2	n-Propanol	2761	1.710
Tot			

RF



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

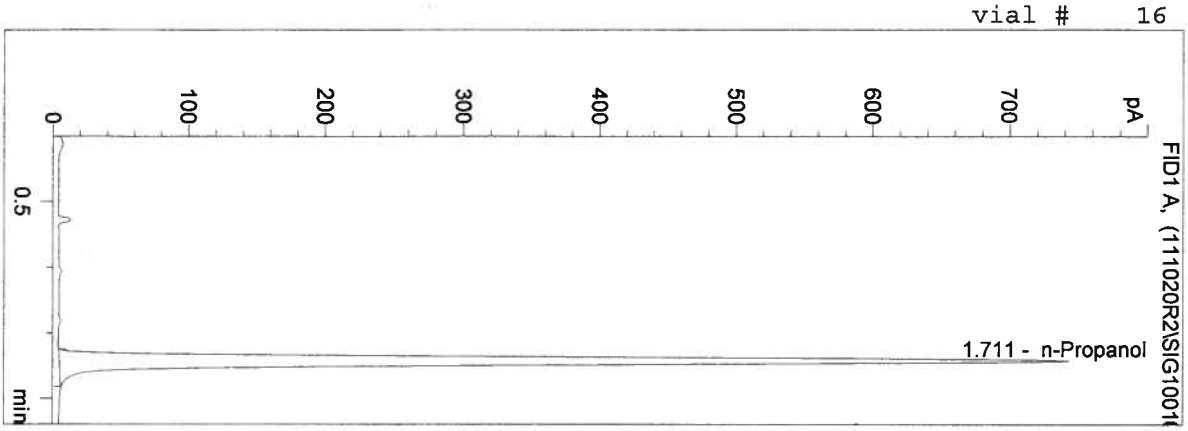
11041

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
10/20/2011 11:13:00 AM
Instrument 1
DB-ALC1

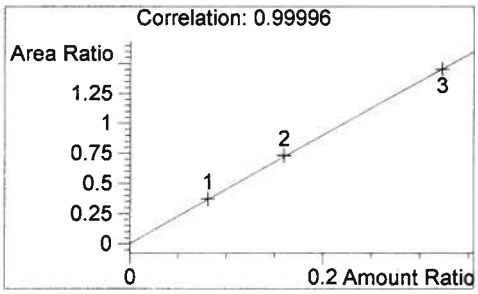
NEG CONTROL-RF
Rebecca Flaherty

vial # 16

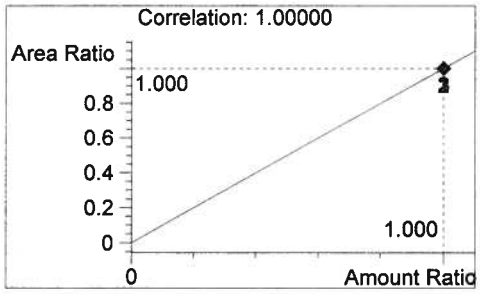


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2990	1.711
Tot			

pc



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11041

WSP-TLD	COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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

Preparation Date: 10·13·11 Initials of Preparer: BCW

Expiration Date: 10·13·12

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

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

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

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☑	11041
QAP 0.08	22.4	18	☑	11042
QAP 0.10	28.1	18	☑	11043
QAP 0.15	42.0	18	☑	11044
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	☑ 10·13·11 Date

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

Comments:

Brian E. Reilly
Analyst Signature

10·13·11
Date