Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: KEN DENTON / ROD GULLBERG **Date:** 9/15/2010

Location: SEATTLE / FLSB H.Q. **Solution Batch Number:** 10035

	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: R. J. Gullberg **Date:** 9-15-2010

Reviewer Signature: K.L. Ts[illegible] **Date:** 9/15/2010

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 10035

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: 09/01/2010
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Lisa Noble

	LN	BP	CM
1	0.049	0.049	0.049
2	0.049	0.049	0.049
3	0.049	0.049	0.049
4	0.049	0.049	0.049
5	0.049	0.049	0.049
C	0.101	0.098	0.100

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0490 g/100mL
STANDARD DEVIATION: 0.00000
PRECISION CV (%): 0.00
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0398 g/210L**

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

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

9-17-2010
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
LN	Lisa Noble	Lisa Noble	09/01/2010
BP	Brianna Peterson	Brianna Peterson	09/03/2010
CM	Christie Mitchell	Christie Mitchell	09/08/2010

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 #: 10035 **Date Prepared:** 9/1/2010

Analyst:	LN	BP	CM
Date Tested:	9/1/2010	9/3/2010	9/8/2010
Instrument:	HS#1	HS#1	HS#1
1	0.049	0.049	0.049
2	0.049	0.049	0.049
3	0.049	0.049	0.049
4	0.049	0.049	0.049
5	0.049	0.049	0.049
C	0.101	0.098	0.100

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	CV^2_{Bias}	$CV^2_{Part\ Coef}$
0.0000084100	0.0000000000	0.0000782989	0.0001333333	0.0001016326

Average Solution Concentration: 0.0490 g/100mL
Standard Deviation: 0.00000 g/100mL
Precision CV (%): 0.00
Equivalent Vapor Concentration: 0.0398 g/210L
Combined Standard Uncertainty (±): 0.0007 g/210L

Ethanol Control Lot #: A071132
Control Uncertainty (%): 0.29
Maximum (-) Control Bias: 0.002
Maximum (+) Control Bias: 0.001

Calculations performed by: Melissa L. Pemberton [signature] 9/9/2010
Name Signature Date

Calculations verified by: RONG GUTLBERG [signature] 9-15-2010 Method: EXCEL
Name Signature Date

Tech. review performed by: Melissa L. Pemberton [signature] 9-17-2010
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Black		
Asa Louis		
Brian Capron		
Brianna Peterson	BP	9/9/10
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell	CM	9/9/10
Christopher Johnston		
Dawn Cox		
Justin Knoy		
Lisa Noble	ln	9/9/10
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 10035

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 10035

I, Lisa Noble, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biochemistry and three years laboratory experience in forensic toxicology.

The qap solution, Lot Number 10035, was prepared in the Washington State Toxicology Laboratory on 9/1/2010. 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 9/1/2011.

Seattle, WA

Lisa Noble 9/9/10

Lisa Noble Date

Forensic Toxicologist

LN/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 10035

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 10035, was prepared in the Washington State Toxicology Laboratory on 9/1/2010. 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 9/1/2011.

Seattle, WA

Brianna Peterson 9/9/10

Brianna Peterson Date

Forensic Toxicologist

BP/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 10035

I, Christie Mitchell, do certify under penalty of perjury that:

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

I possess the following qualifications: BA degree in Chemistry and MFS degree in Forensic Science.

The qap solution, Lot Number 10035, was prepared in the Washington State Toxicology Laboratory on 9/1/2010. 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 9/1/2011.

Seattle, WA

9/9/2010

Christie Mitchell — Date

Forensic Toxicologist

CM/ik

Sequence Parameters:

Operator:	Lisa Noble
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	100901LN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A068379 - exp 10/2013
0.10 Control - Lot # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC	1	Calib		
5	Vial 5	NEG CTRL - LN	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - LN	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - LN	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL -LN	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL - LN	SIMALC	1	Ctrl Samp		
10	Vial 10	10035 #1	SIMALC	1	Sample		
11	Vial 11	10035 #2	SIMALC	1	Sample		
12	Vial 12	10035 #3	SIMALC	1	Sample		
13	Vial 13	10035 #4	SIMALC	1	Sample		
14	Vial 14	10035 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL - LN	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL - LN	SIMALC	1	Ctrl Samp		
17	Vial 17	10036 #1	SIMALC	1	Sample		
18	Vial 18	10036 #2	SIMALC	1	Sample		
19	Vial 19	10036 #3	SIMALC	1	Sample		
20	Vial 20	10036 #4	SIMALC	1	Sample		
21	Vial 21	10036 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL - LN	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL - LN	SIMALC	1	Ctrl Samp		
24	Vial 24	10037 #1	SIMALC	1	Sample		
25	Vial 25	10037 #2	SIMALC	1	Sample		
26	Vial 26	10037 #3	SIMALC	1	Sample		
27	Vial 27	10037 #4	SIMALC	1	Sample		
28	Vial 28	10037 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL - LN	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL - LN	SIMALC	1	Ctrl Samp		
31	Vial 31	10038 #1	SIMALC	1	Sample		
32	Vial 32	10038 #2	SIMALC	1	Sample		

for calibration
see 10035.
Ln

10035
10036
10037
10038

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	10038 #3	SIMALC	1	Sample		
34	Vial 34	10038 #4	SIMALC	1	Sample		
35	Vial 35	10038 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CTRL - LN	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CTRL - LN	SIMALC	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

LN

10035

10036

10037

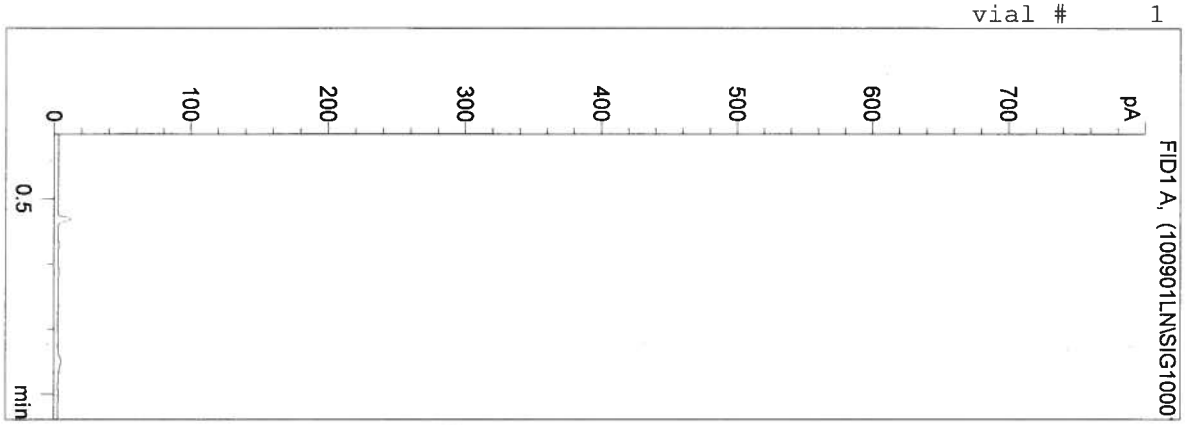
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

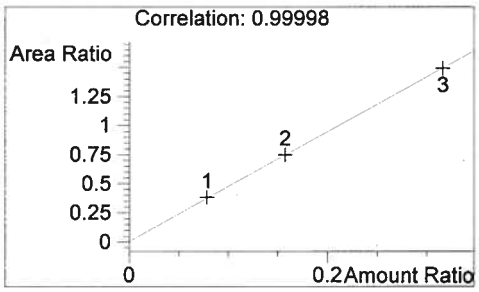
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 2:46:07 PM
Instrument 1
DB ALC 1

BLANK
Lisa Noble

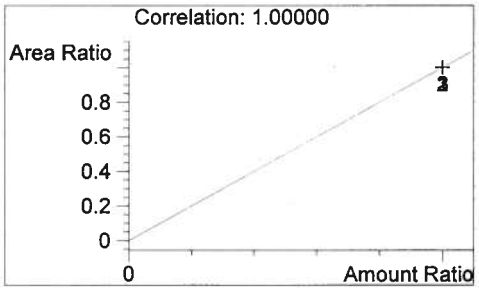
vial # 1



#	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

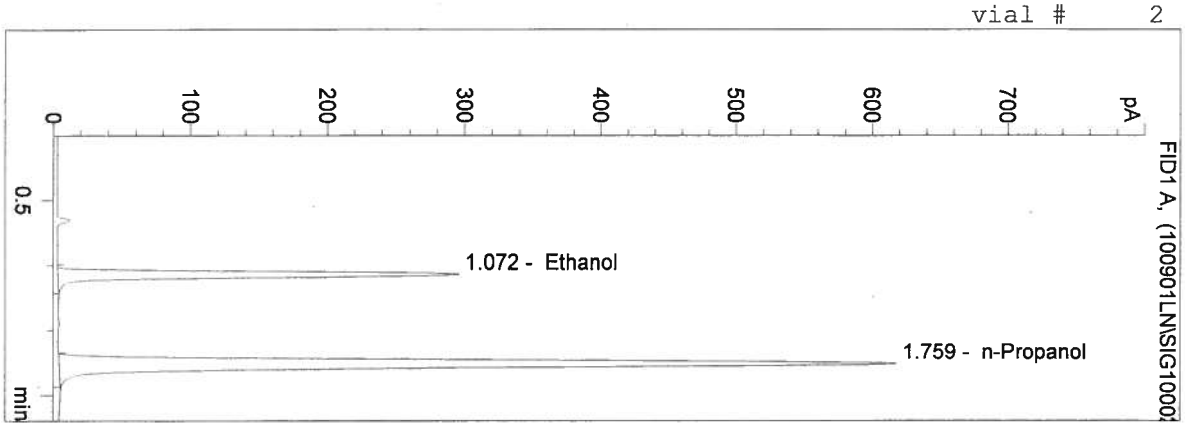
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

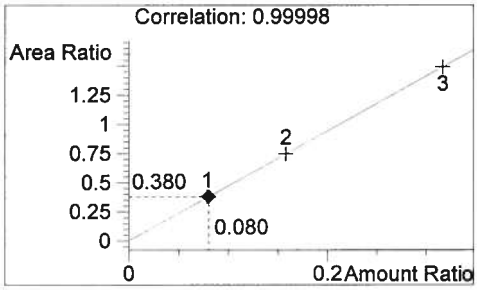
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 2:49:12 PM
Instrument 1
DB ALC 1

0.079 CAL 1
Lisa Noble

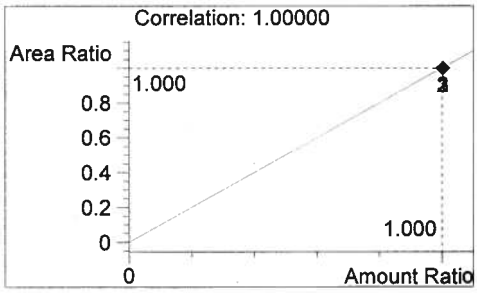
vial # 2



#	Compound	Area	RT
1	Ethanol	932	1.072
2	n-Propanol	2450	1.759
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

10035

10036
10037

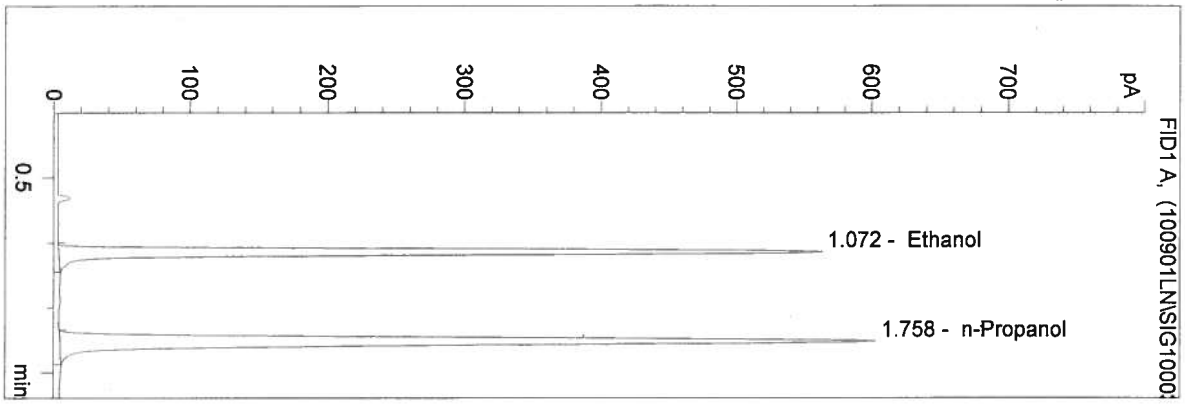
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

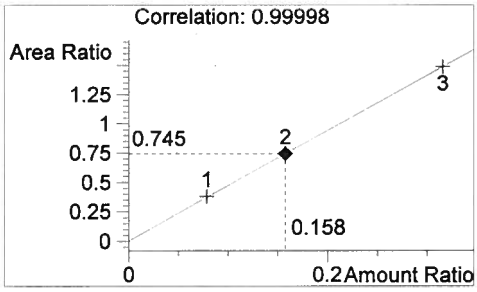
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 2:52:17 PM
Instrument 1
DB ALC 1

0.158 CAL 2
Lisa Noble

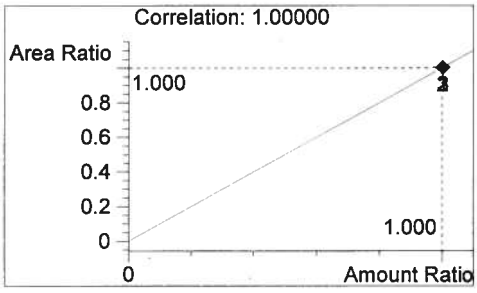
vial # 3



#	Compound	Area	RT
1	Ethanol	1780	1.072
2	n-Propanol	2389	1.758
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

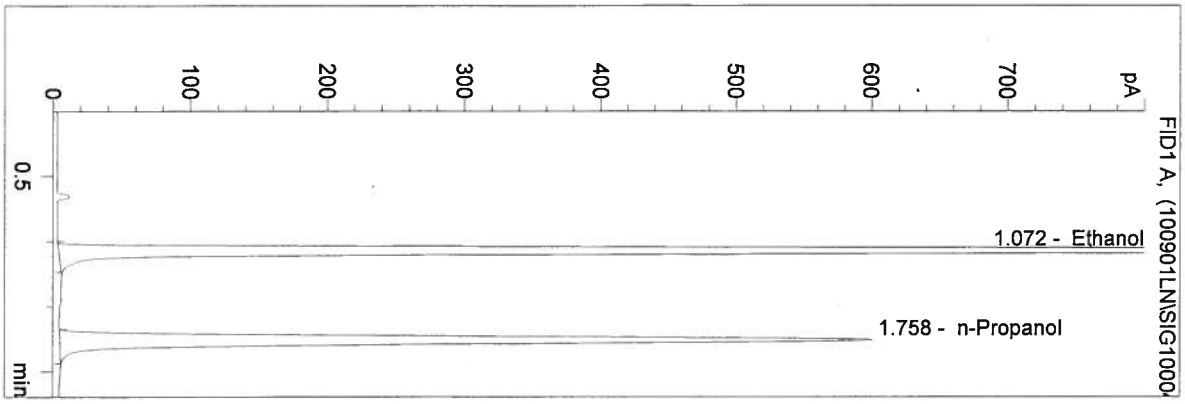
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

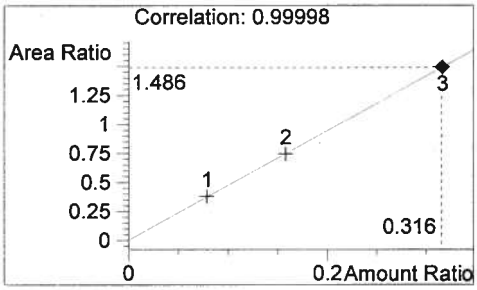
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 2:55:22 PM
Instrument 1
DB ALC 1

0.316 CAL 3
Lisa Noble

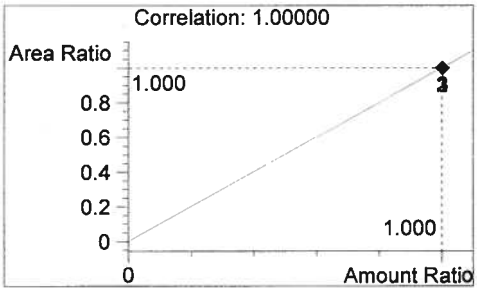
vial # 4



#	Compound	Area	RT
1	Ethanol	3521	1.072
2	n-Propanol	2369	1.758
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

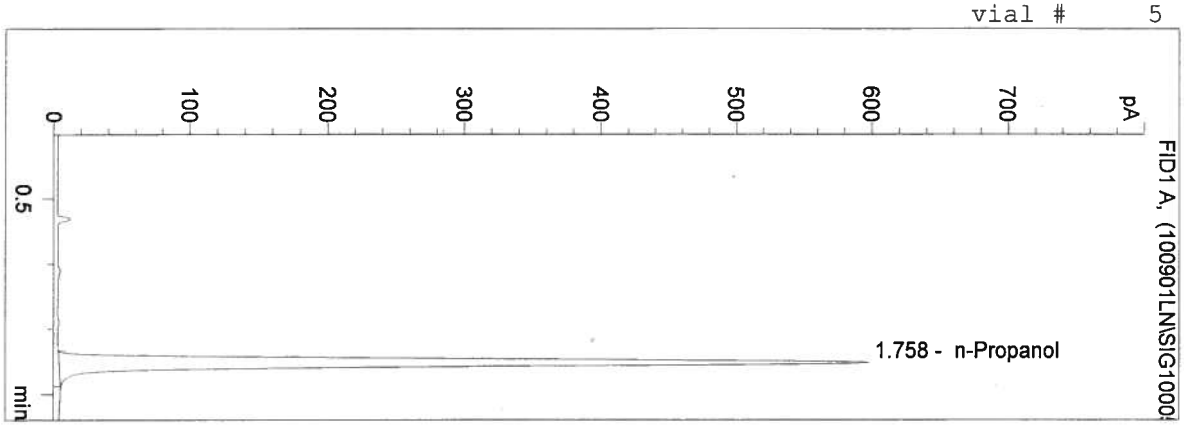
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

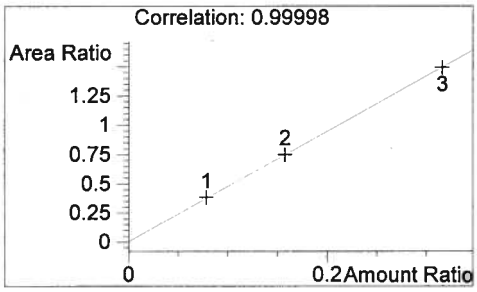
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 2:58:27 PM
Instrument 1
DB ALC 1

NEG CTRL - LN
Lisa Noble

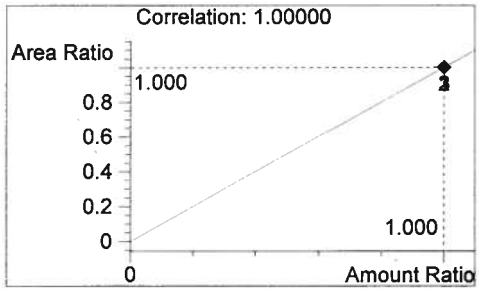
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2368	1.758
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10035

10036

10037

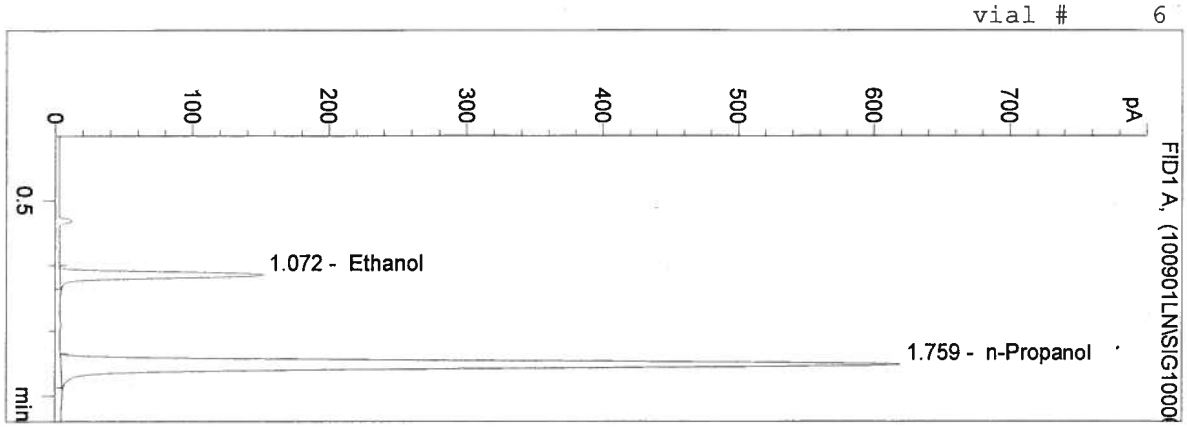
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

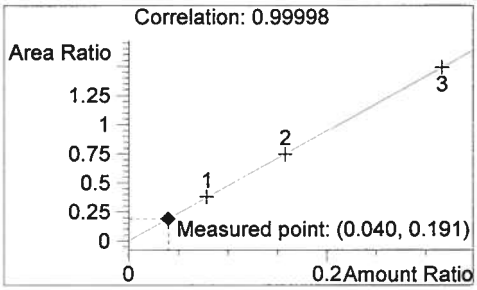
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:01:31 PM
Instrument 1
DB ALC 1

0.04 CTRL - LN
Lisa Noble

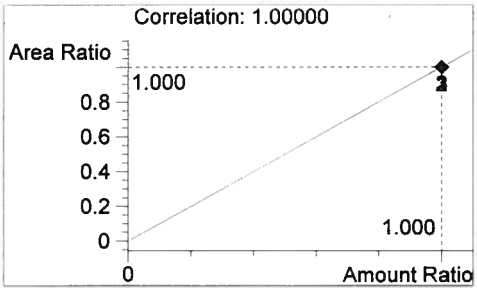
vial # 6



#	Compound	Area	RT
1	Ethanol	470	1.072
2	n-Propanol	2455	1.759
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

10035

10036

10037

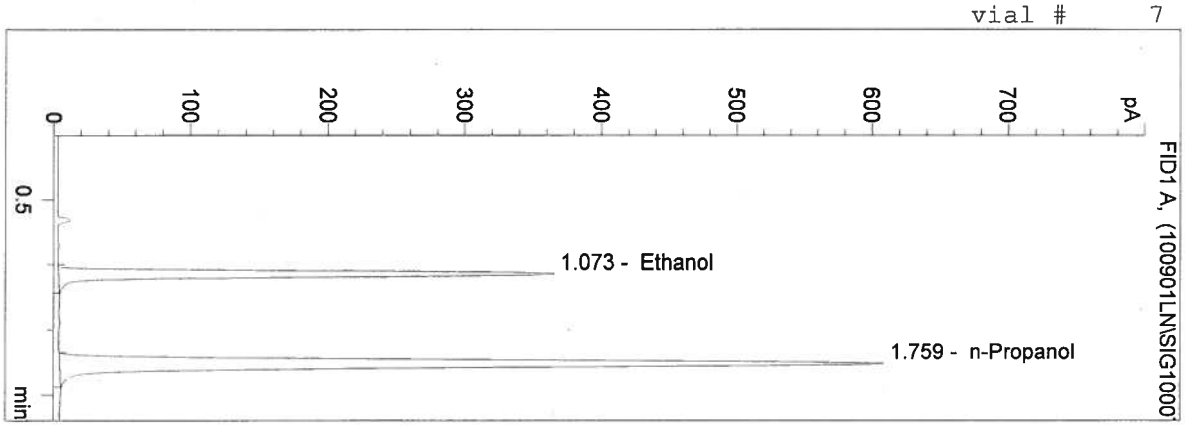
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

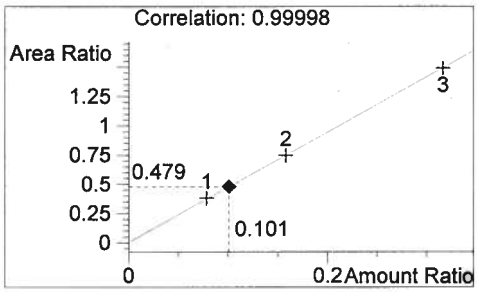
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:04:36 PM
Instrument 1
DB ALC 1

0.10 CTRL - LN
Lisa Noble

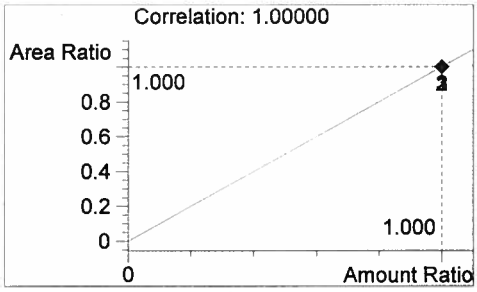
vial # 7



#	Compound	Area	RT
1	Ethanol	1155	1.073
2	n-Propanol	2413	1.759
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

10035

10036

10037

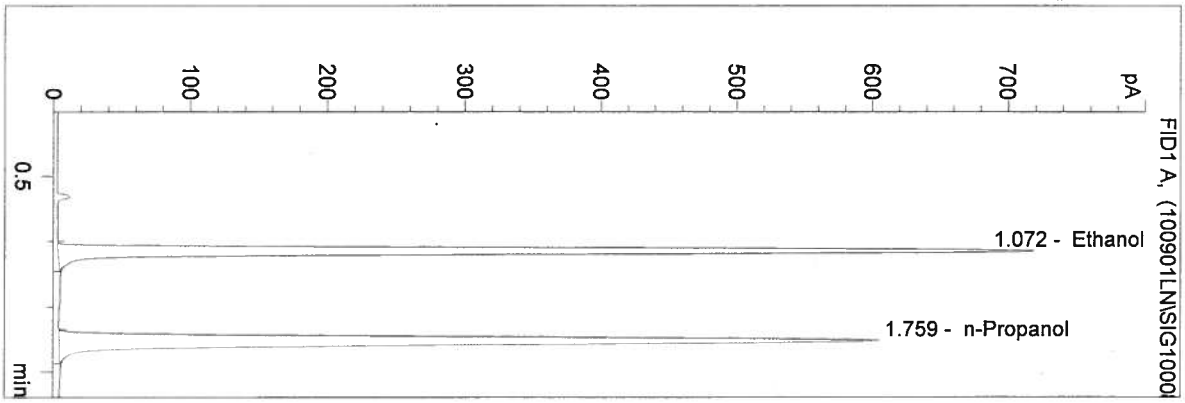
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

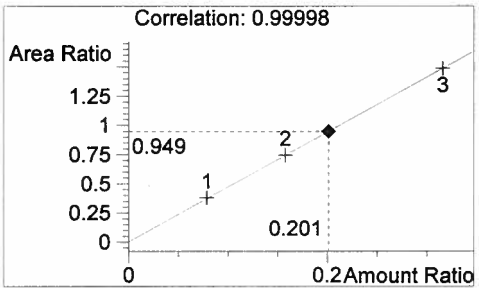
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:07:41 PM
Instrument 1
DB ALC 1

0.20 CTRL -LN
Lisa Noble

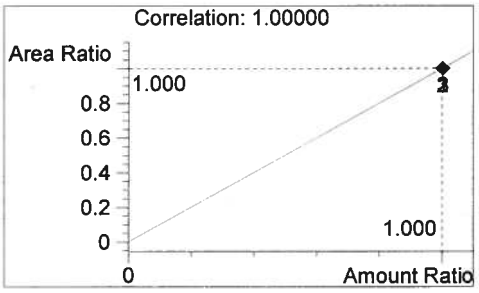
vial # 8



#	Compound	Area	RT
1	Ethanol	2266	1.072
2	n-Propanol	2388	1.759
Tot			



Ethanol 0.201 g/100 mL



n-Propanol 1.000 g/100 mL

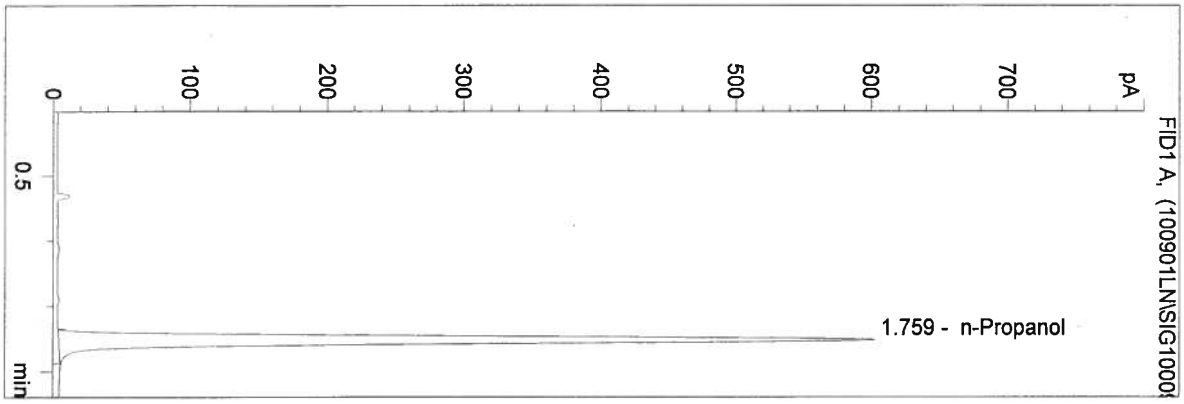
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

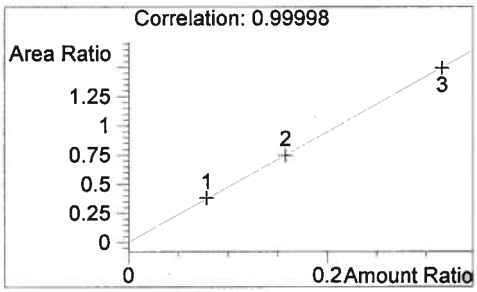
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:10:46 PM
Instrument 1
DB ALC 1

NEG CTRL - LN
Lisa Noble

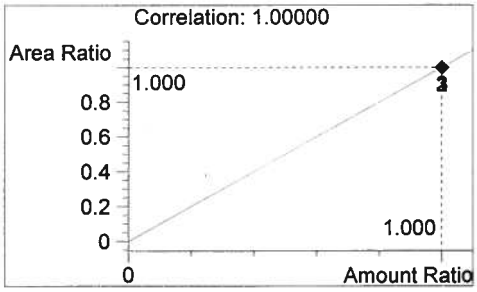
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2385	1.759
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10035

10036

10037

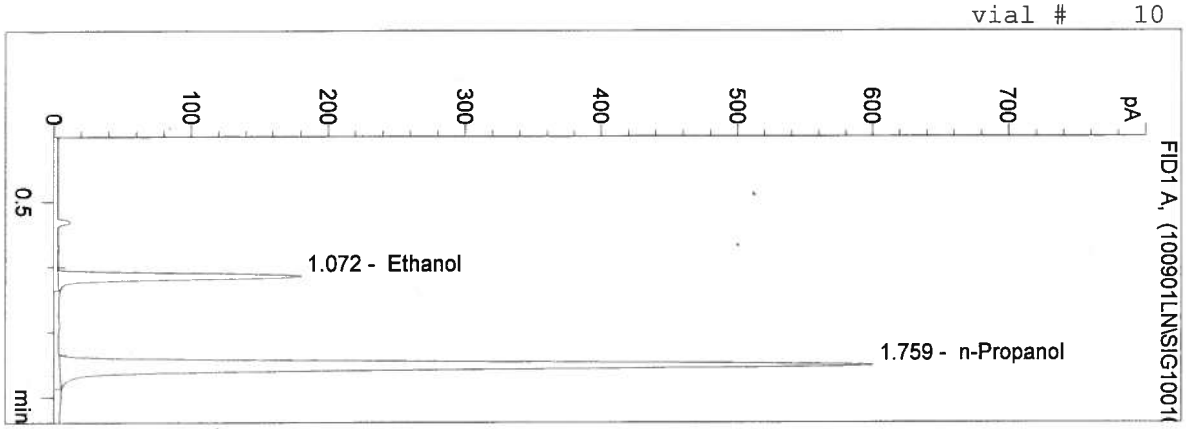
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

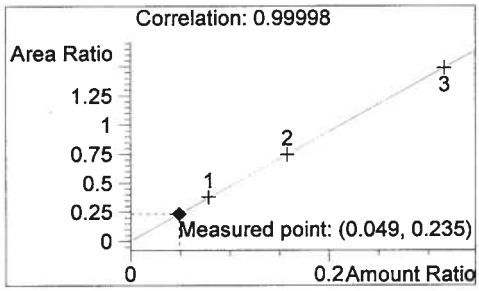
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:13:51 PM
Instrument 1
DB ALC 1

10035 #1
Lisa Noble

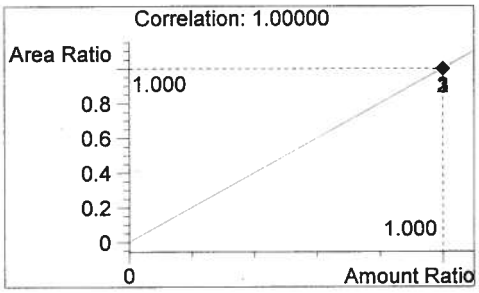
vial # 10



#	Compound	Area	RT
1	Ethanol	558	1.072
2	n-Propanol	2377	1.759
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

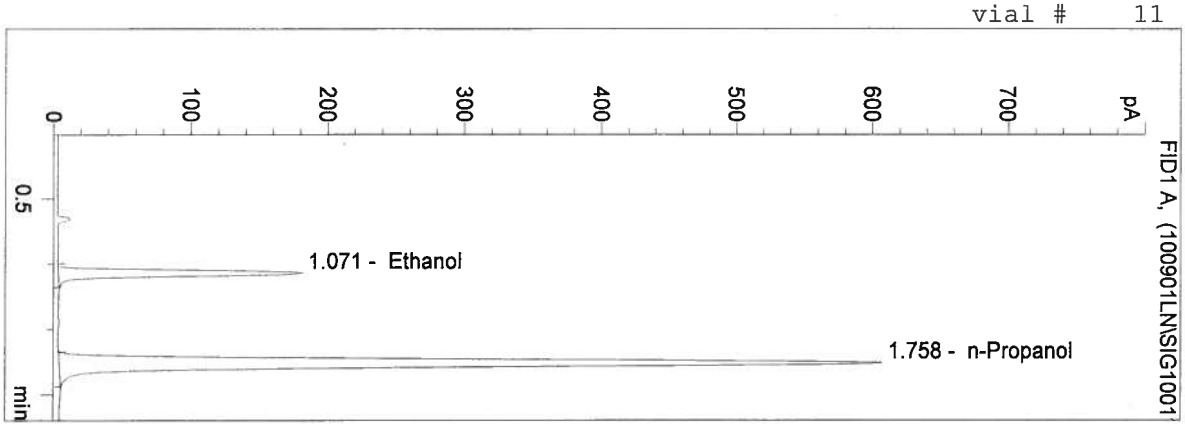
Jn

WASHINGTON STATE TOXICOLOGY LABORATORY

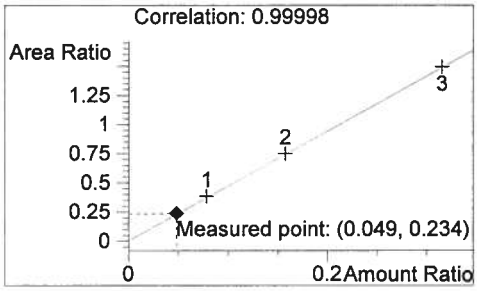
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:16:56 PM
Instrument 1
DB ALC 1

10035 #2
Lisa Noble

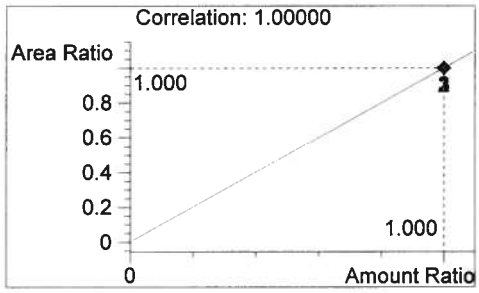
vial # 11



#	Compound	Area	RT
1	Ethanol	563	1.071
2	n-Propanol	2407	1.758
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

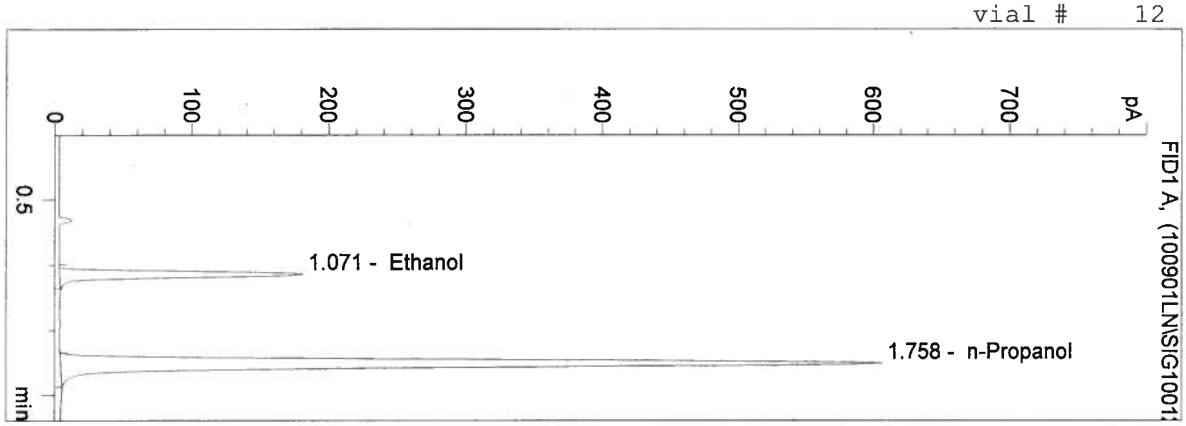
Sn

WASHINGTON STATE TOXICOLOGY LABORATORY

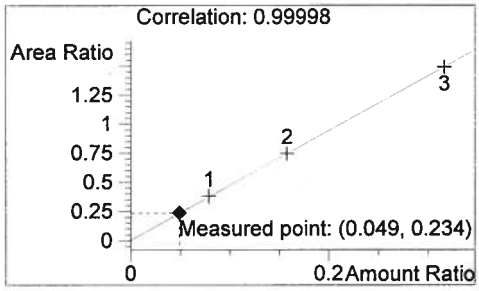
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:20:01 PM
Instrument 1
DB ALC 1

10035 #3
Lisa Noble

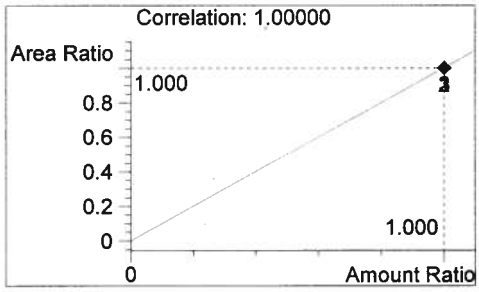
vial # 12



#	Compound	Area	RT
1	Ethanol	562	1.071
2	n-Propanol	2400	1.758
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

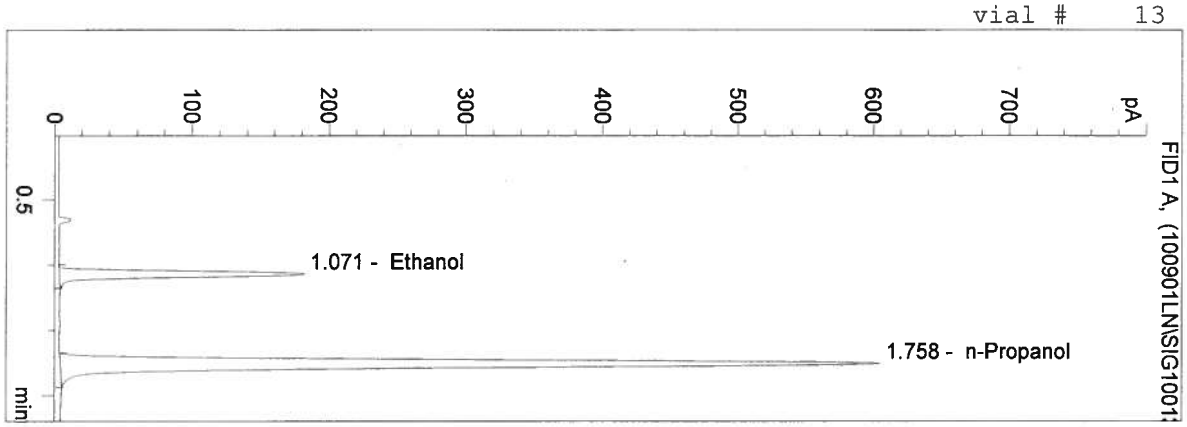
fn

WASHINGTON STATE TOXICOLOGY LABORATORY

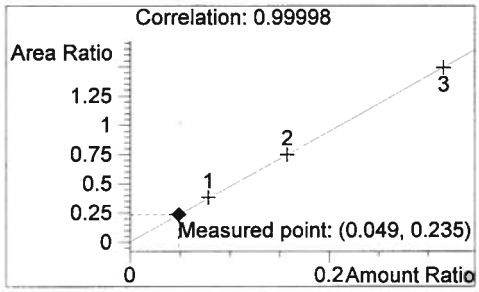
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:23:06 PM
Instrument 1
DB ALC 1

10035 #4
Lisa Noble

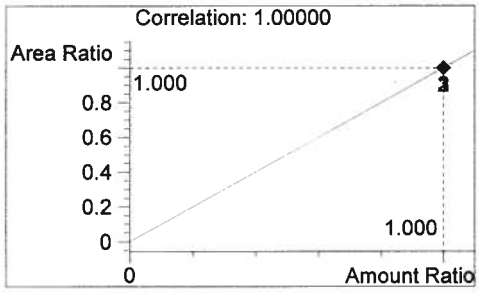
vial # 13



#	Compound	Area	RT
1	Ethanol	563	1.071
2	n-Propanol	2397	1.758
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

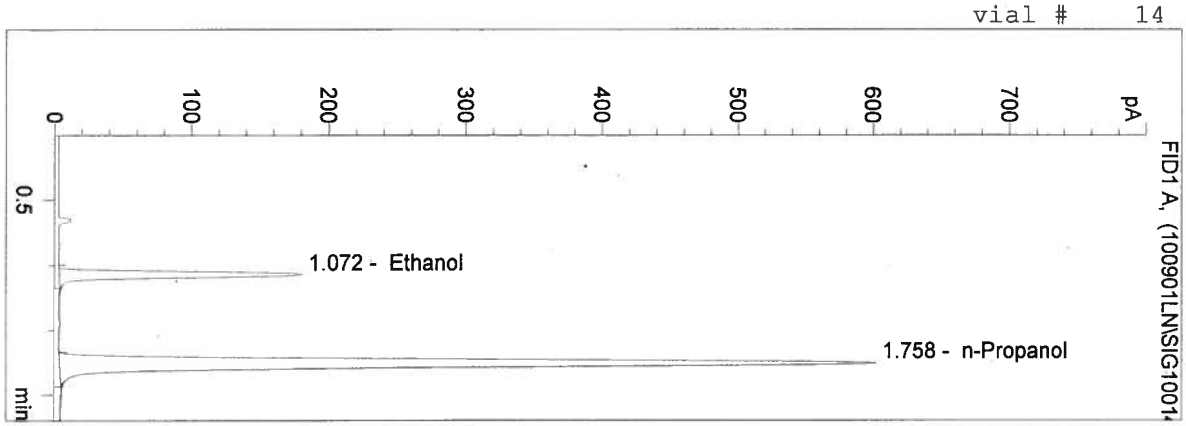
fn

WASHINGTON STATE TOXICOLOGY LABORATORY

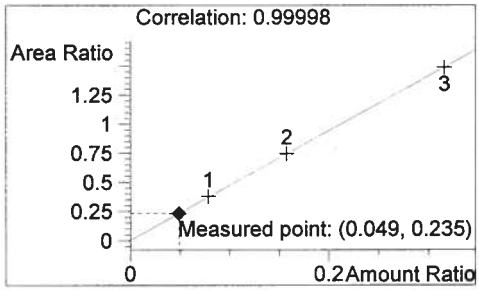
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:26:10 PM
Instrument 1
DB ALC 1

10035 #5
Lisa Noble

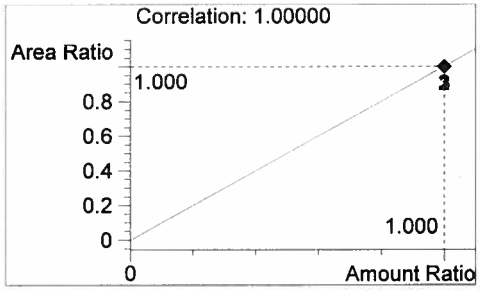
vial # 14



#	Compound	Area	RT
1	Ethanol	560	1.072
2	n-Propanol	2381	1.758
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

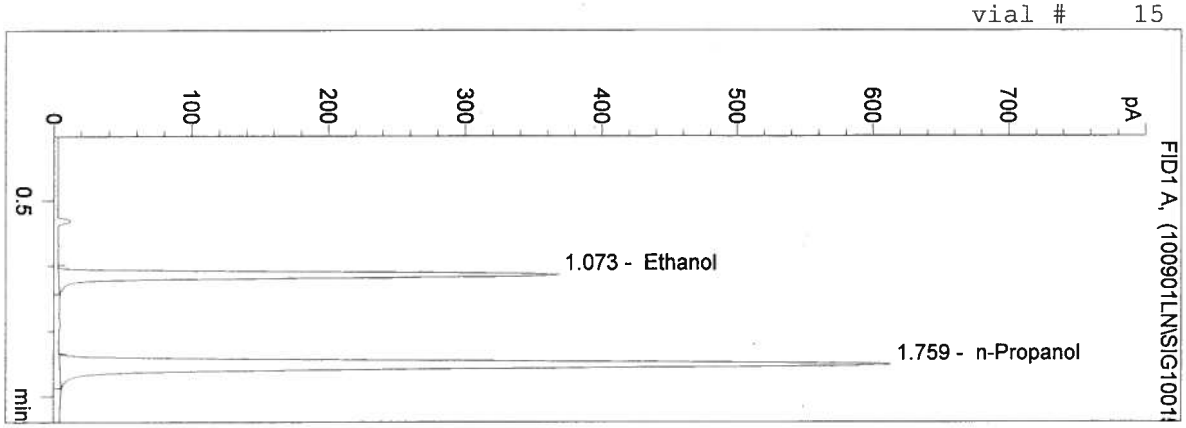
fn

WASHINGTON STATE TOXICOLOGY LABORATORY

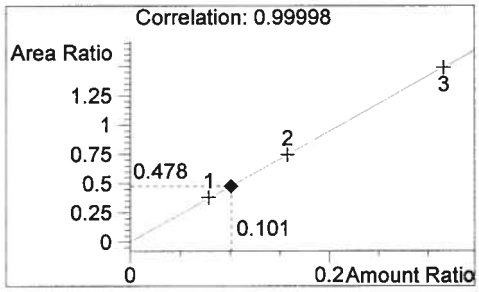
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:29:15 PM
Instrument 1
DB ALC 1

0.10 CTRL - LN
Lisa Noble

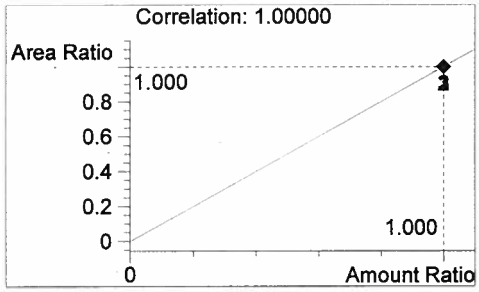
vial # 15



#	Compound	Area	RT
1	Ethanol	1163	1.073
2	n-Propanol	2433	1.759
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

fn

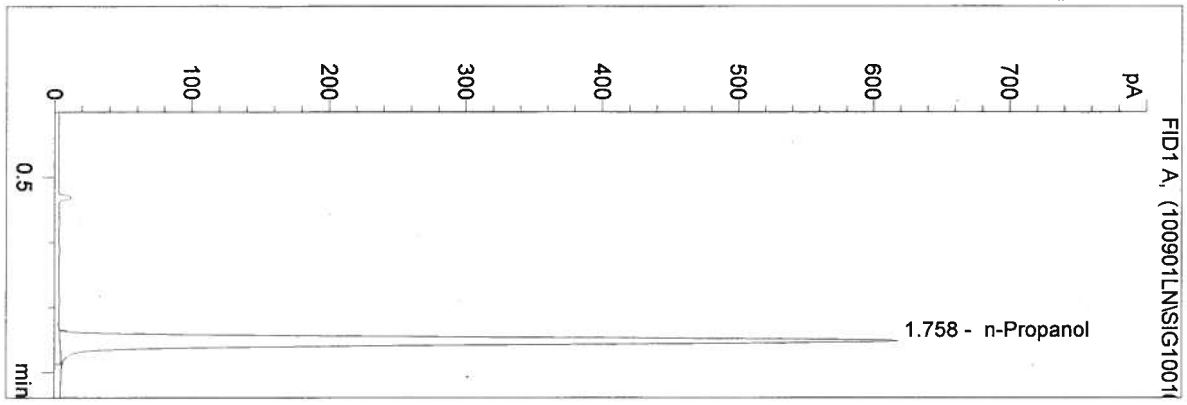
10035

WASHINGTON STATE TOXICOLOGY LABORATORY

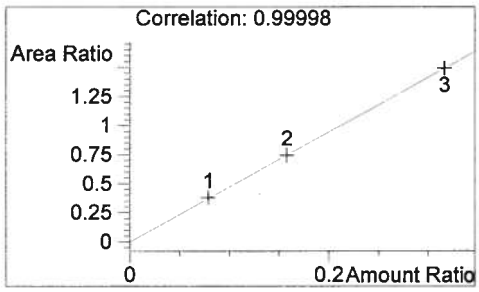
C:\HPCHEM\1\METHODS\SIMALC.M
9/1/2010 3:32:20 PM
Instrument 1
DB ALC 1

NEG CTRL - LN
Lisa Noble

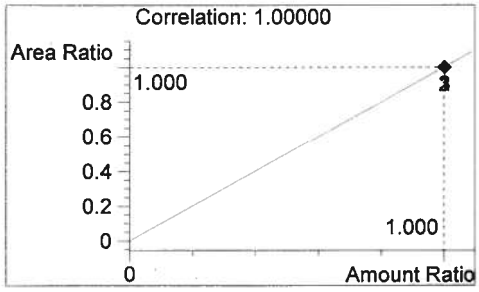
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2451	1.758
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10035

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:	100903BP
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A068379 - exp 10/2013
0.10 Control - Lot # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC	1	Calib		
5	Vial 5	NEG CTRL - BP	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - BP	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - BP	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL -BP	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL - BP	SIMALC	1	Ctrl Samp		
10	Vial 10	10035 #1	SIMALC	1	Sample		
11	Vial 11	10035 #2	SIMALC	1	Sample		
12	Vial 12	10035 #3	SIMALC	1	Sample		
13	Vial 13	10035 #4	SIMALC	1	Sample		
14	Vial 14	10035 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL - BP	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL - BP	SIMALC	1	Ctrl Samp		
17	Vial 17	10036 #1	SIMALC	1	Sample		
18	Vial 18	10036 #2	SIMALC	1	Sample		
19	Vial 19	10036 #3	SIMALC	1	Sample		
20	Vial 20	10036 #4	SIMALC	1	Sample		
21	Vial 21	10036 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL - BP	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL - BP	SIMALC	1	Ctrl Samp		
24	Vial 24	10037 #1	SIMALC	1	Sample		
25	Vial 25	10037 #2	SIMALC	1	Sample		
26	Vial 26	10037 #3	SIMALC	1	Sample		
27	Vial 27	10037 #4	SIMALC	1	Sample		
28	Vial 28	10037 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL - BP	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL - BP	SIMALC	1	Ctrl Samp		
31	Vial 31	10038 #1	SIMALC	1	Sample		
32	Vial 32	10038 #2	SIMALC	1	Sample		

CALIBRATION DATA FILED WITH QAP 100365 BP

10035

10036

10037

10038

BP

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	10038 #3	SIMALC	1	Sample		
34	Vial 34	10038 #4	SIMALC	1	Sample		
35	Vial 35	10038 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CTRL - BP	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CTRL - BP	SIMALC	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

BP

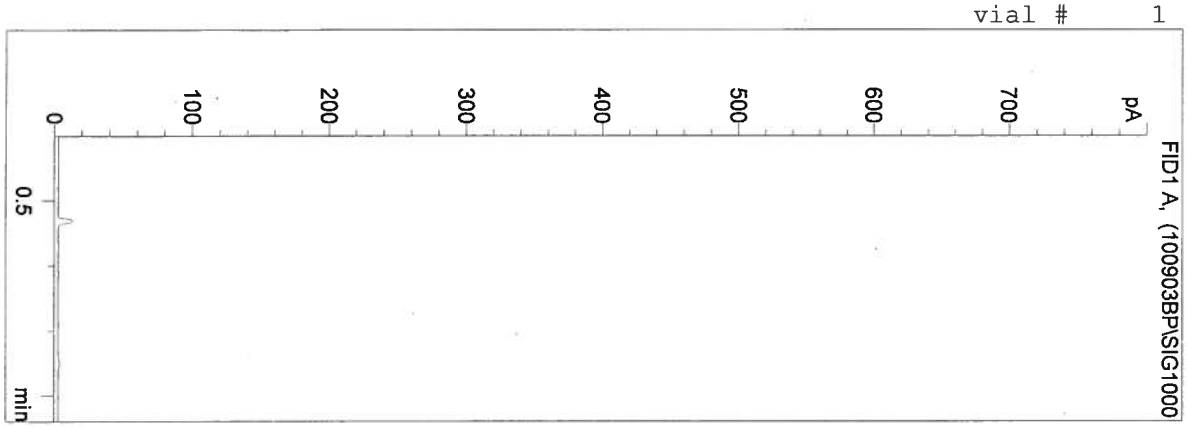
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

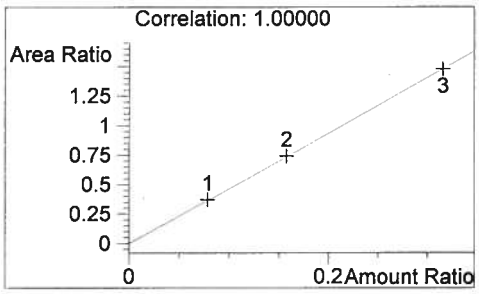
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:00:46 PM
Instrument 1
DB ALC 1

BLANK
Brianna Peterson

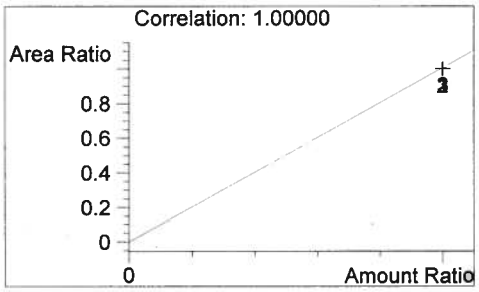
vial # 1



#	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

BL

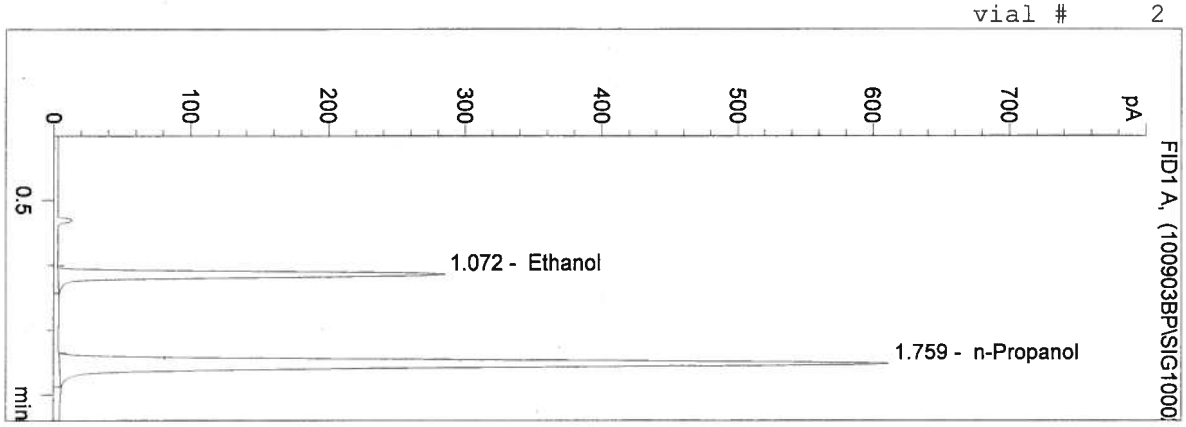
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

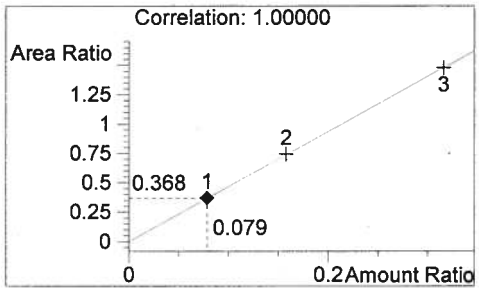
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:03:51 PM
Instrument 1
DB ALC 1

0.079 CAL 1
Brianna Peterson

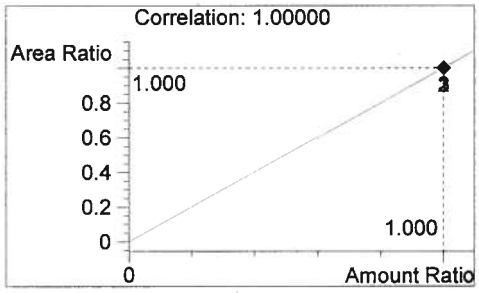
vial # 2



#	Compound	Area	RT
1	Ethanol	889	1.072
2	n-Propanol	2414	1.759
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

BP

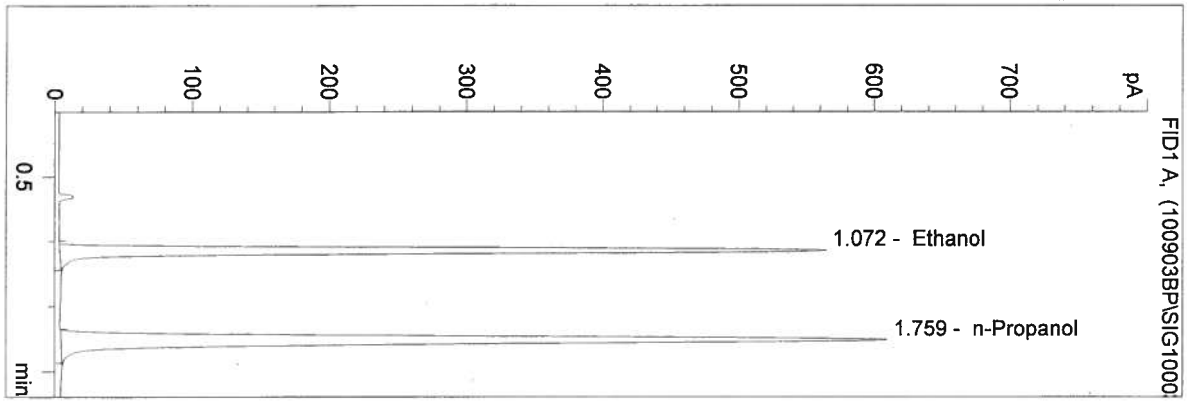
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

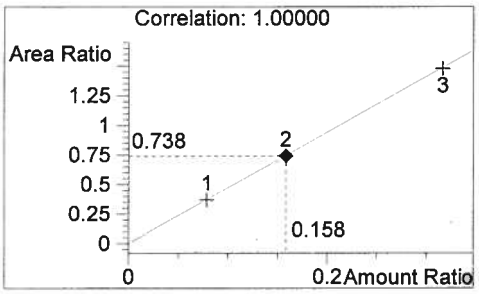
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:06:56 PM
Instrument 1
DB ALC 1

0.158 CAL 2
Brianna Peterson

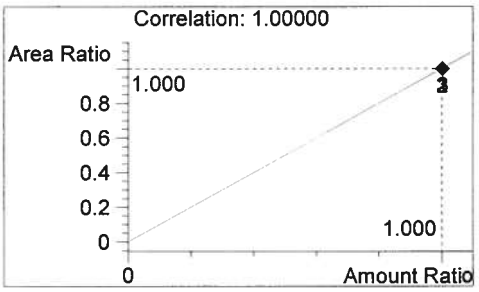
vial # 3



#	Compound	Area	RT
1	Ethanol	1777	1.072
2	n-Propanol	2408	1.759
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

BJ

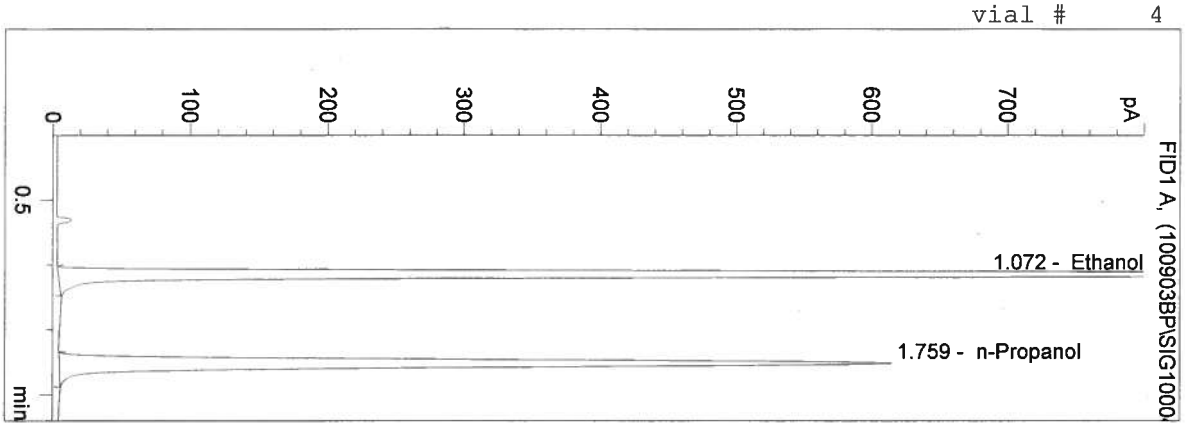
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

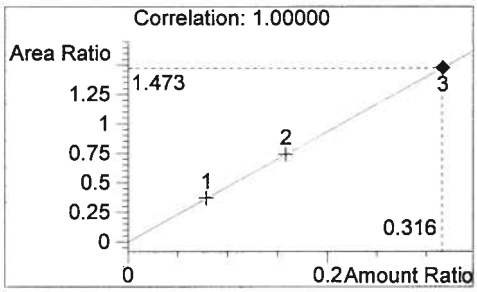
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:10:01 PM
Instrument 1
DB ALC 1

0.316 CAL 3
Brianna Peterson

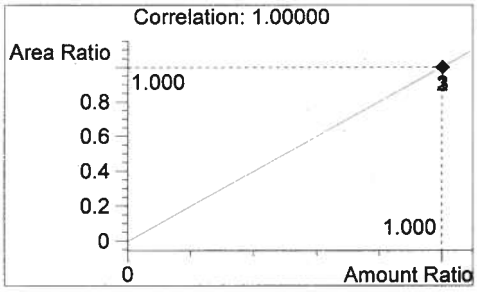
vial # 4



#	Compound	Area	RT
1	Ethanol	3577	1.072
2	n-Propanol	2428	1.759
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

BP

10035

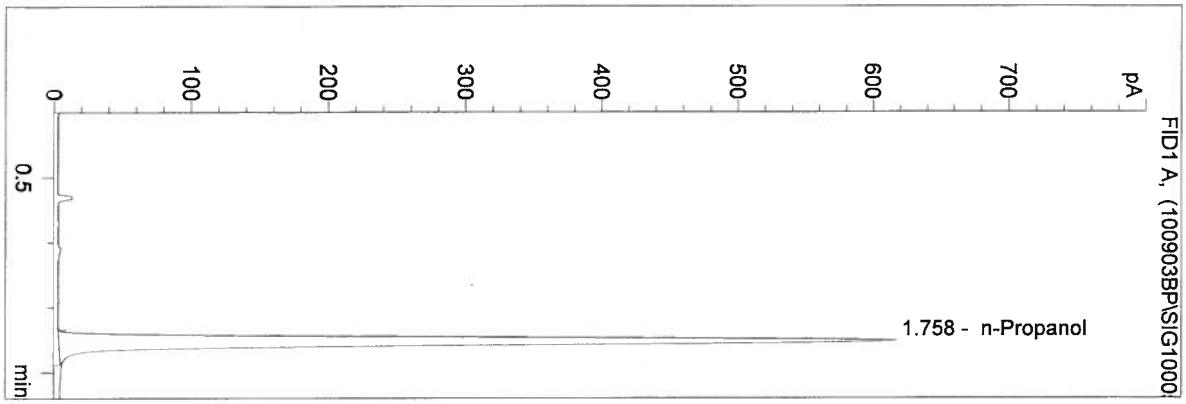
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

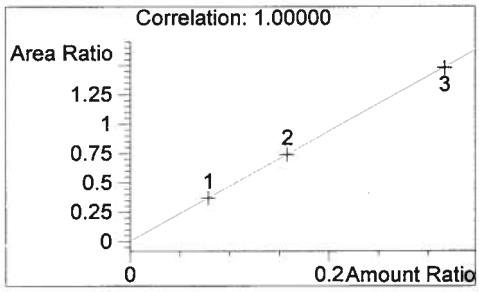
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:13:06 PM
Instrument 1
DB ALC 1

NEG CTRL - BP
Brianna Peterson

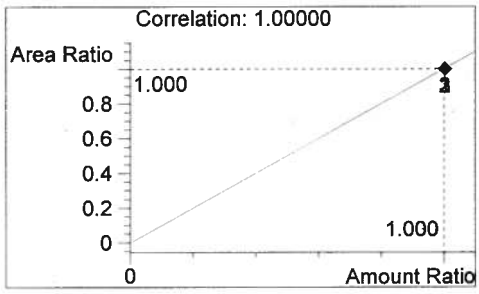
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2439	1.758
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

BP

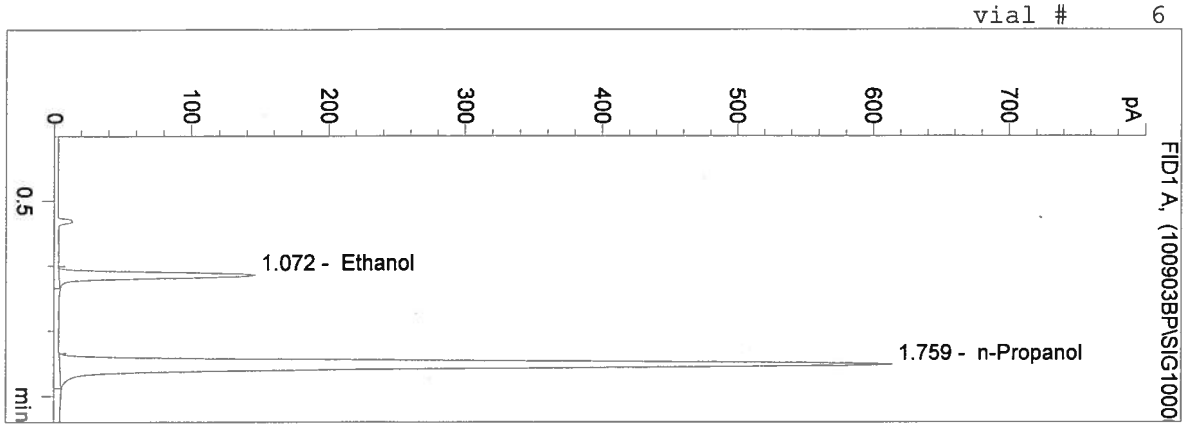
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

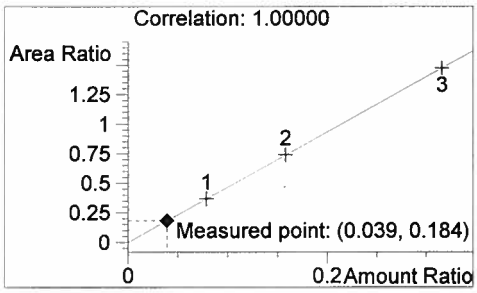
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:16:10 PM
Instrument 1
DB ALC 1

0.04 CTRL - BP
Brianna Peterson

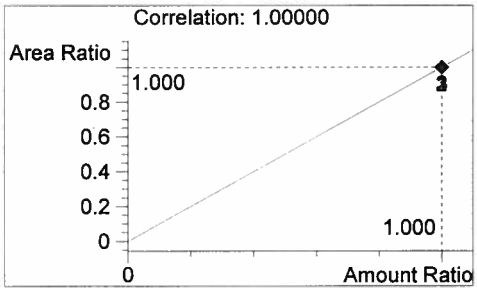
vial # 6



#	Compound	Area	RT
1	Ethanol	447	1.072
2	n-Propanol	2430	1.759
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

10035
10036
10037
10038

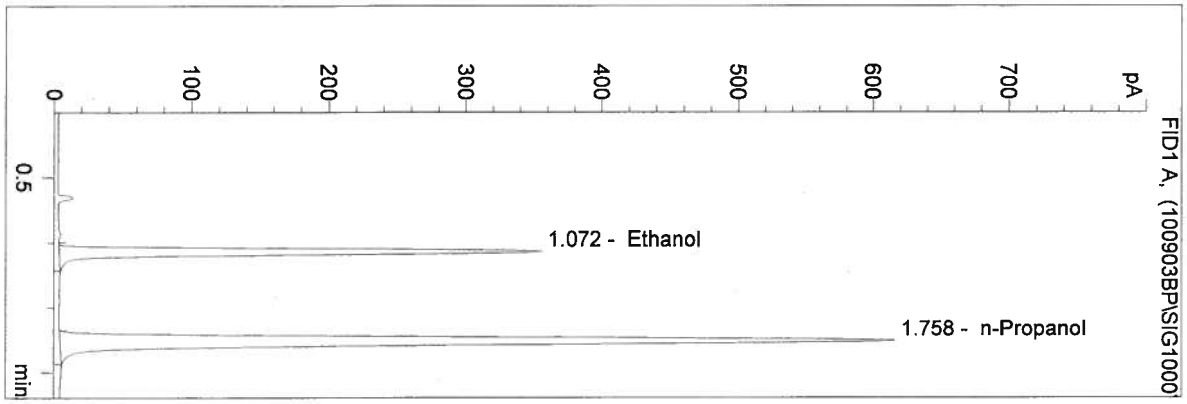
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

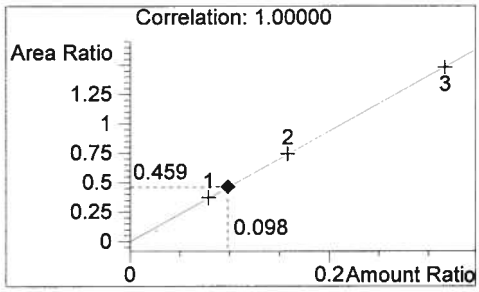
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:19:15 PM
Instrument 1
DB ALC 1

0.10 CTRL - BP
Brianna Peterson

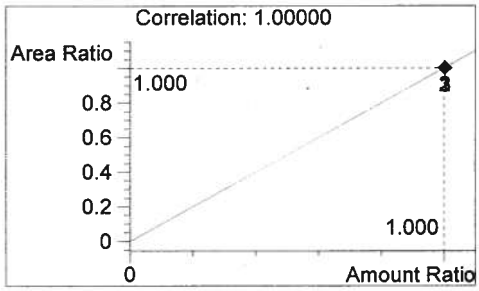
vial # 7



#	Compound	Area	RT
1	Ethanol	1116	1.072
2	n-Propanol	2432	1.758
Tot			



Ethanol 0.098 g/100 mL



n-Propanol 1.000 g/100 mL

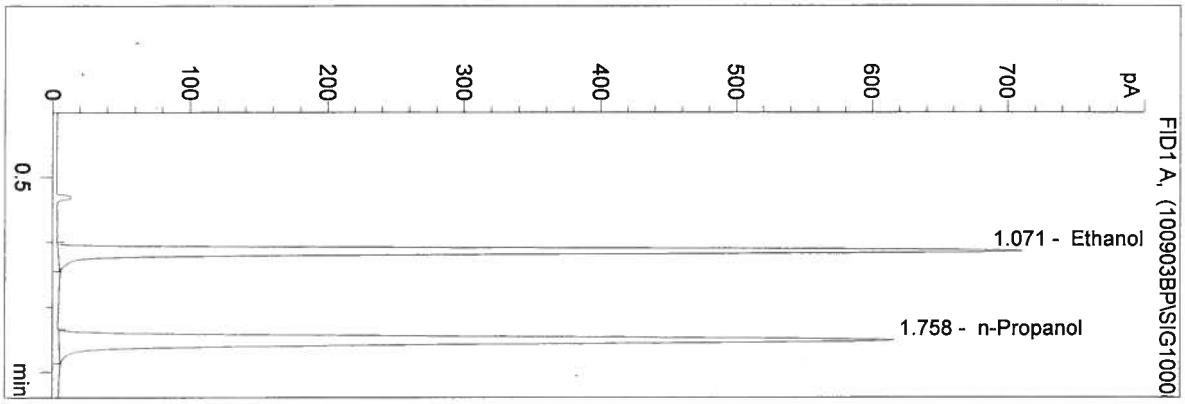
10035
10036
10037
10038

BP

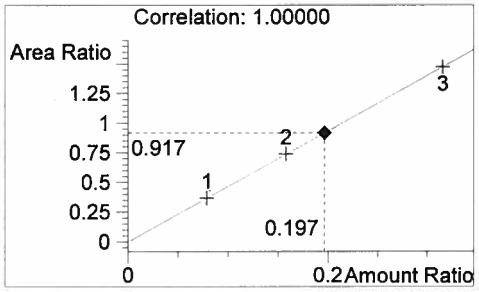
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:22:20 PM
Instrument 1
DB ALC 1

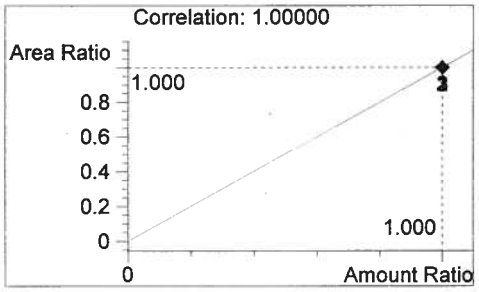
0.20 CTRL -BP
Brianna Peterson
vial # 8



#	Compound	Area	RT
1	Ethanol	2226	1.071
2	n-Propanol	2427	1.758
Tot			



Ethanol 0.197 g/100 mL



n-Propanol 1.000 g/100 mL

10035
10036
10037
10038

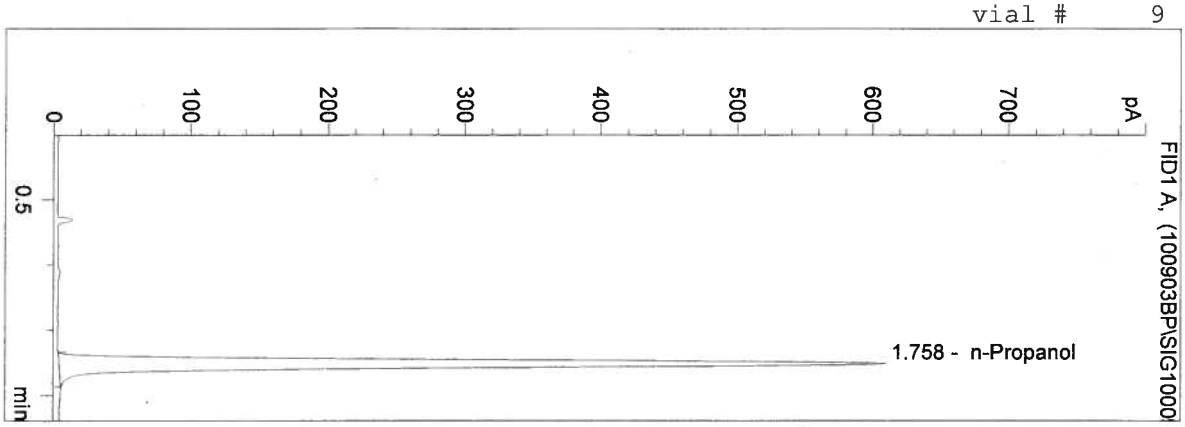
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

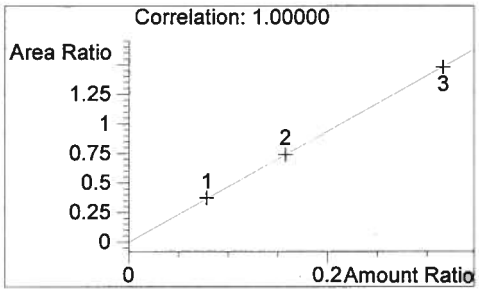
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:25:25 PM
Instrument 1
DB ALC 1

NEG CTRL - BP
Brianna Peterson

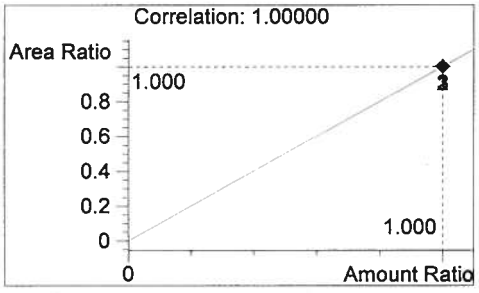
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2408	1.758
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

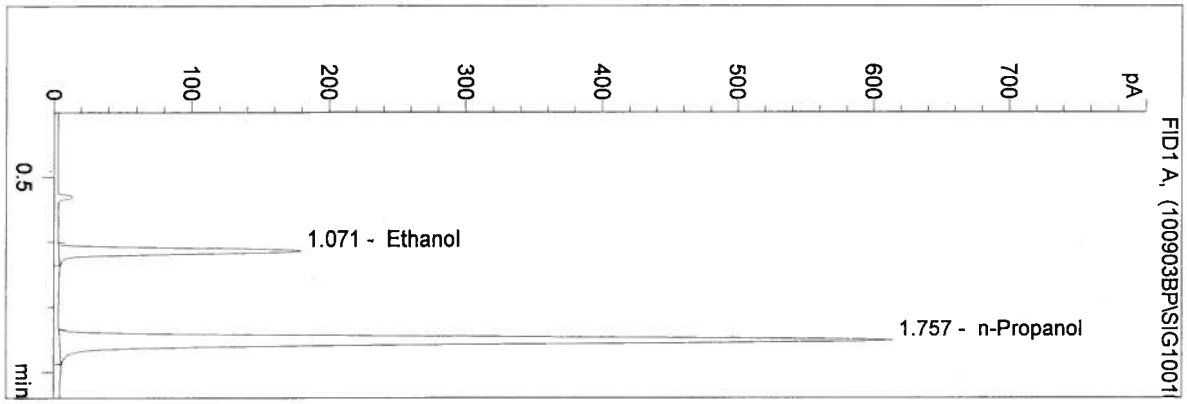
10035
10036
10037
10038

BP

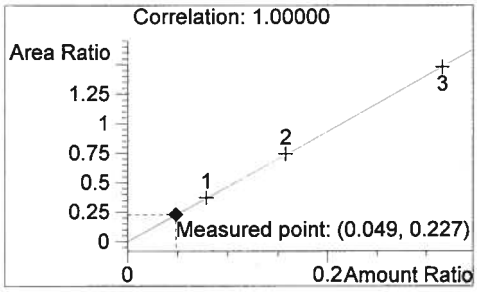
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:28:30 PM
Instrument 1
DB ALC 1

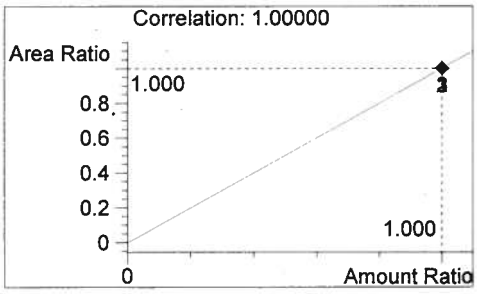
10035 #1
Brianna Peterson
vial # 10



#	Compound	Area	RT
1	Ethanol	550	1.071
2	n-Propanol	2425	1.757
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

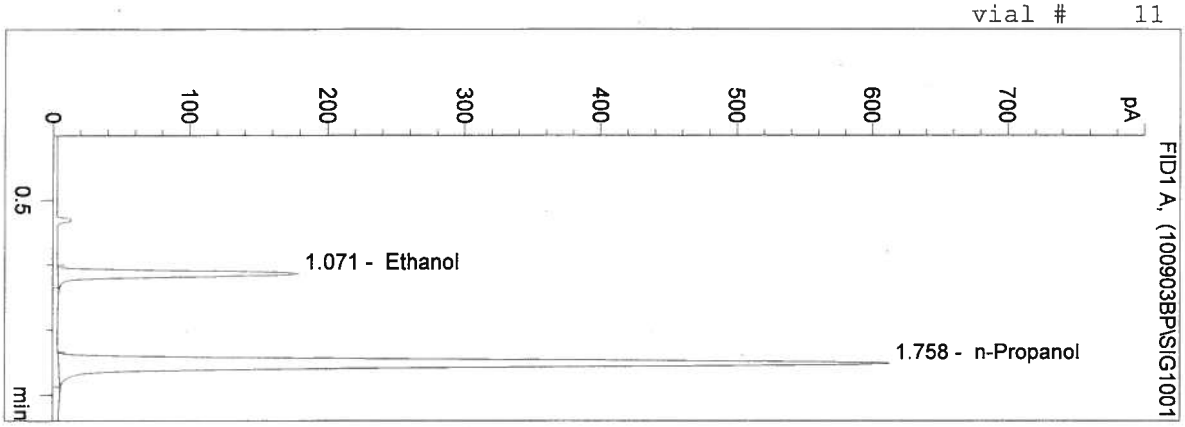
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

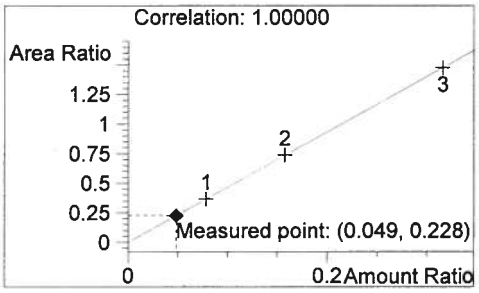
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:31:35 PM
Instrument 1
DB ALC 1

10035 #2
Brianna Peterson

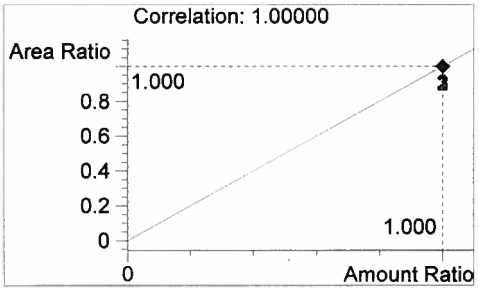
vial # 11



#	Compound	Area	RT
1	Ethanol	552	1.071
2	n-Propanol	2424	1.758
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

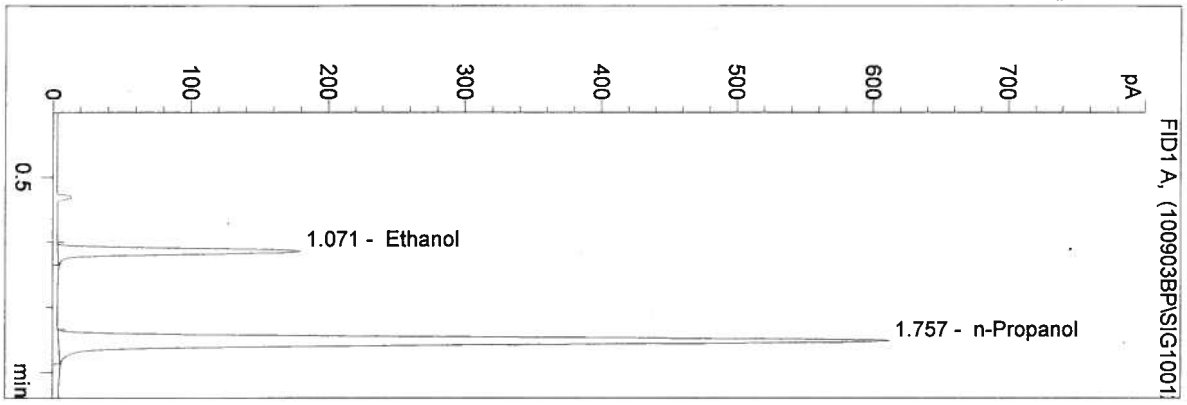
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

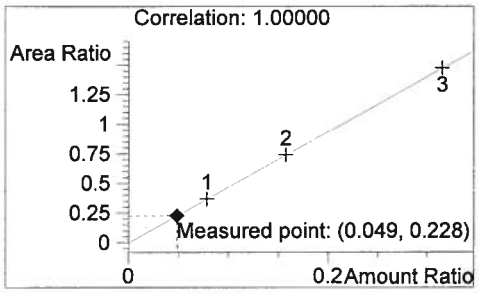
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:34:40 PM
Instrument 1
DB ALC 1

10035 #3
Brianna Peterson

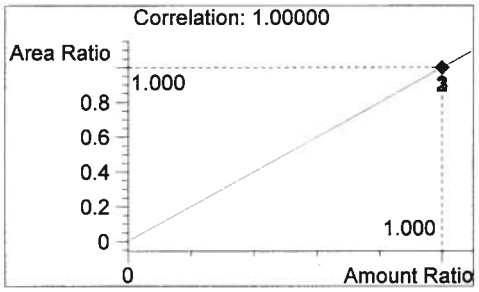
vial # 12



#	Compound	Area	RT
1	Ethanol	549	1.071
2	n-Propanol	2412	1.757
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

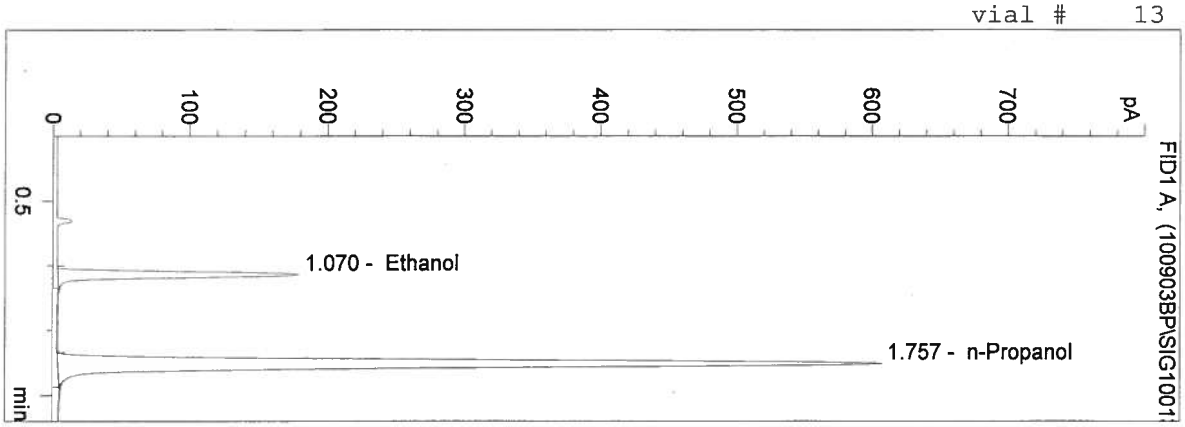
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

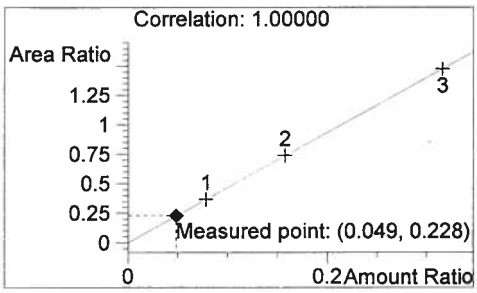
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:37:45 PM
Instrument 1
DB ALC 1

10035 #4
Brianna Peterson

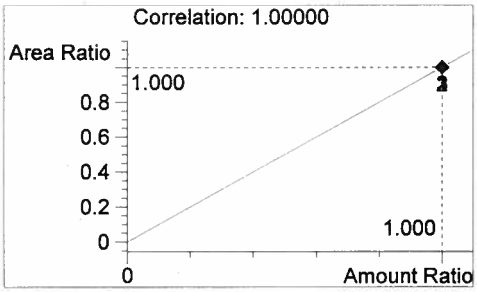
vial # 13



#	Compound	Area	RT
1	Ethanol	546	1.070
2	n-Propanol	2390	1.757
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

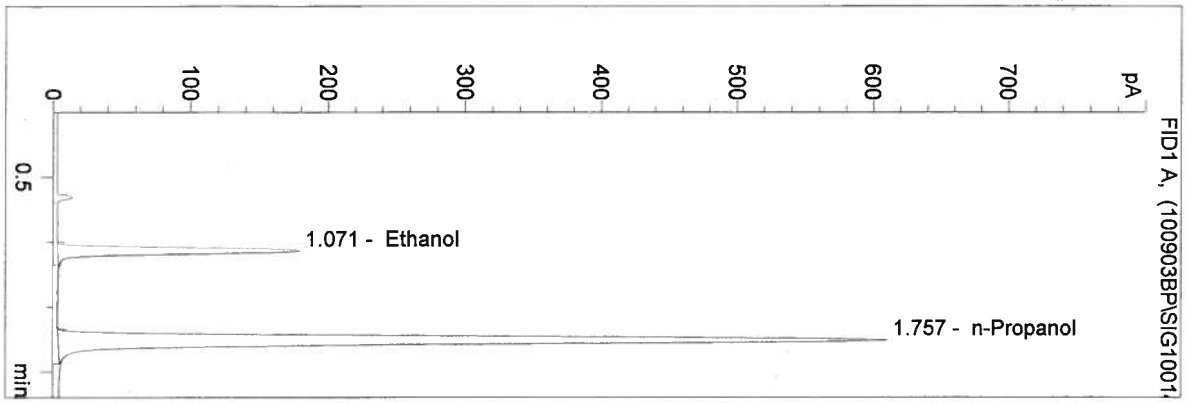
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

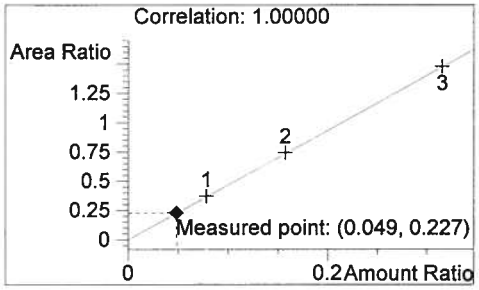
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:40:50 PM
Instrument 1
DB ALC 1

10035 #5
Brianna Peterson

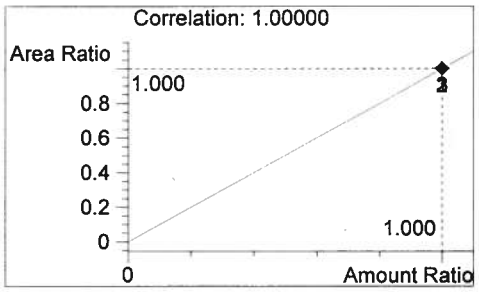
vial # 14



#	Compound	Area	RT
1	Ethanol	547	1.071
2	n-Propanol	2409	1.757
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

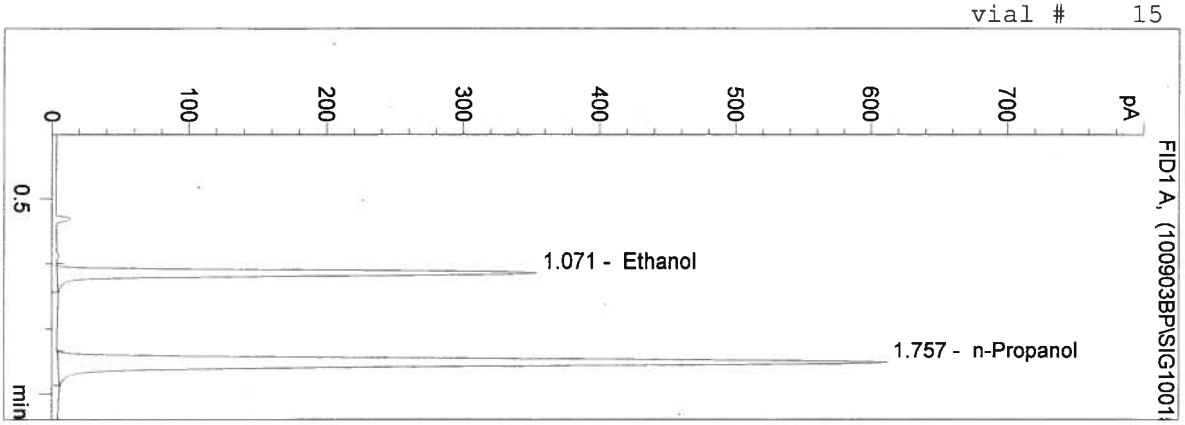
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

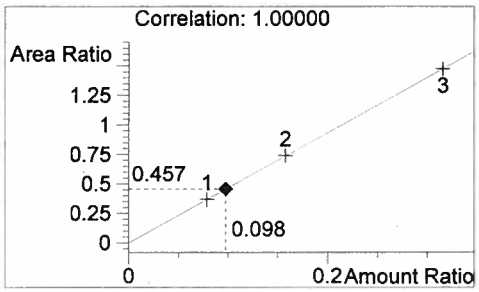
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:43:54 PM
Instrument 1
DB ALC 1

0.10 CTRL - BP
Brianna Peterson

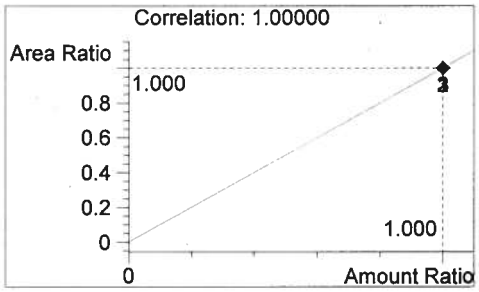
vial # 15



#	Compound	Area	RT
1	Ethanol	1103	1.071
2	n-Propanol	2415	1.757
Tot			



Ethanol 0.098 g/100 mL



n-Propanol 1.000 g/100 mL

10035

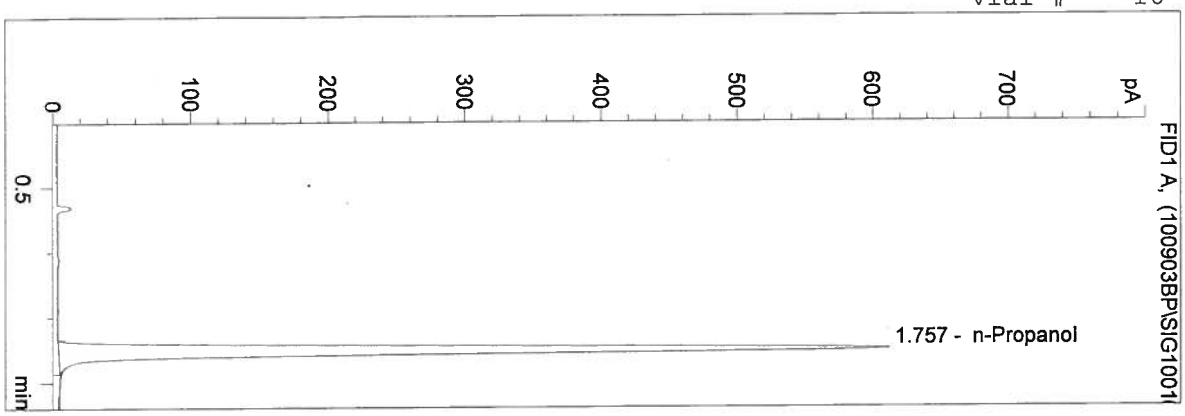
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

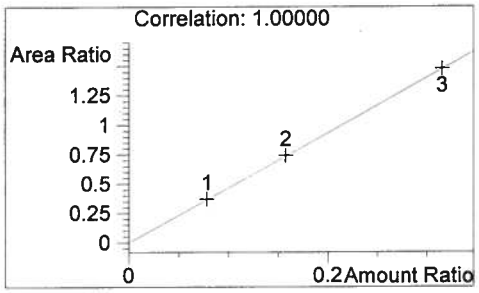
C:\HPCHEM\1\METHODS\SIMALC.M
9/3/2010 12:46:59 PM
Instrument 1
DB ALC 1

NEG CTRL - BP
Brianna Peterson

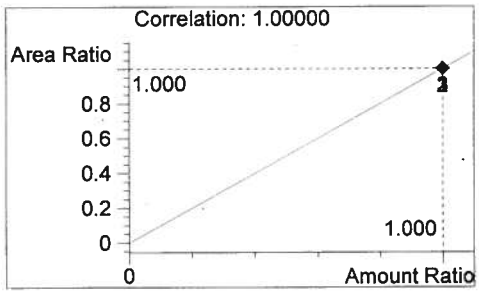
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2411	1.757
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10035

BP

Sequence Parameters:

Operator:	Christie Mitchell
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	100908CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A068379 - exp 10/2013
0.10 Control - Lot # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC	1	Calib		
5	Vial 5	NEG CTRL - CM	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - CM	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - CM	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL -CM	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL - CM	SIMALC	1	Ctrl Samp		
10	Vial 10	10035 #1	SIMALC	1	Sample		
11	Vial 11	10035 #2	SIMALC	1	Sample		
12	Vial 12	10035 #3	SIMALC	1	Sample		
13	Vial 13	10035 #4	SIMALC	1	Sample		
14	Vial 14	10035 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL - CM	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL - CM	SIMALC	1	Ctrl Samp		
17	Vial 17	10036 #1	SIMALC	1	Sample		
18	Vial 18	10036 #2	SIMALC	1	Sample		
19	Vial 19	10036 #3	SIMALC	1	Sample		
20	Vial 20	10036 #4	SIMALC	1	Sample		
21	Vial 21	10036 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL - CM	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL - CM	SIMALC	1	Ctrl Samp		
24	Vial 24	10037 #1	SIMALC	1	Sample		
25	Vial 25	10037 #2	SIMALC	1	Sample		
26	Vial 26	10037 #3	SIMALC	1	Sample		
27	Vial 27	10037 #4	SIMALC	1	Sample		
28	Vial 28	10037 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL - CM	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL - CM	SIMALC	1	Ctrl Samp		
31	Vial 31	10038 #1	SIMALC	1	Sample		
32	Vial 32	10038 #2	SIMALC	1	Sample		

CM

= 10035

10036

= 10037

= 10038

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	10038 #3	SIMALC	1	Sample		
34	Vial 34	10038 #4	SIMALC	1	Sample		
35	Vial 35	10038 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CTRL - CM	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CTRL - CM	SIMALC	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

CM

10035

10036

10037

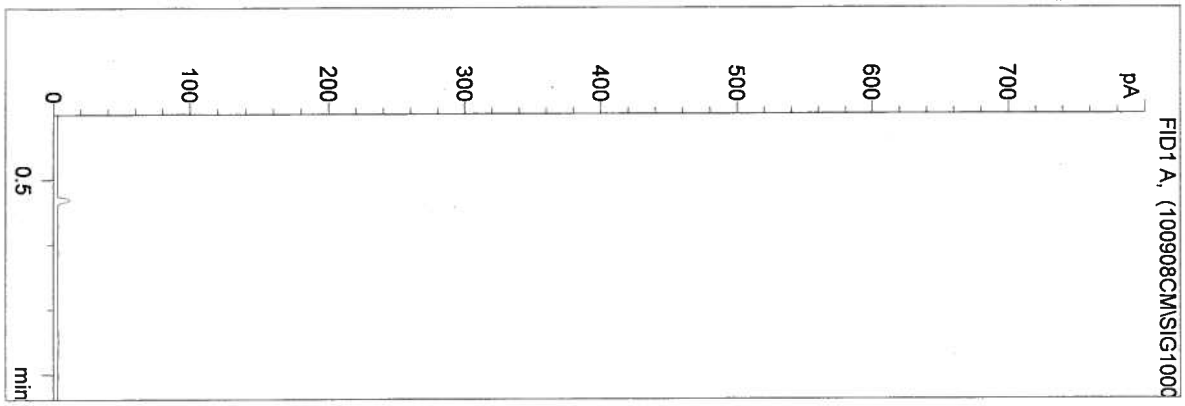
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

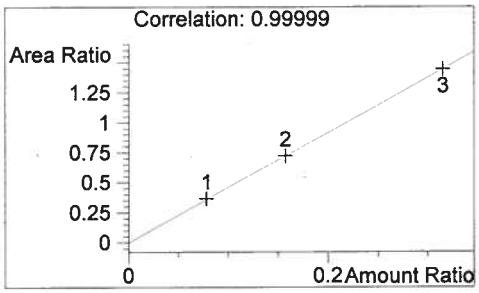
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:26:09 PM
Instrument 1
DB ALC 1

BLANK
Christie Mitchell

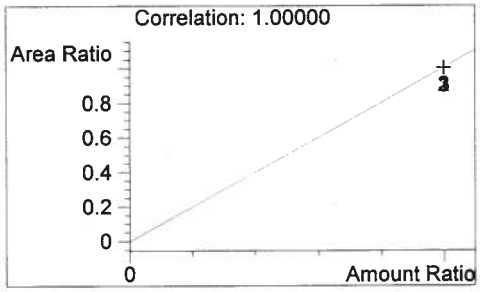
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

CM

10035

10036
10037

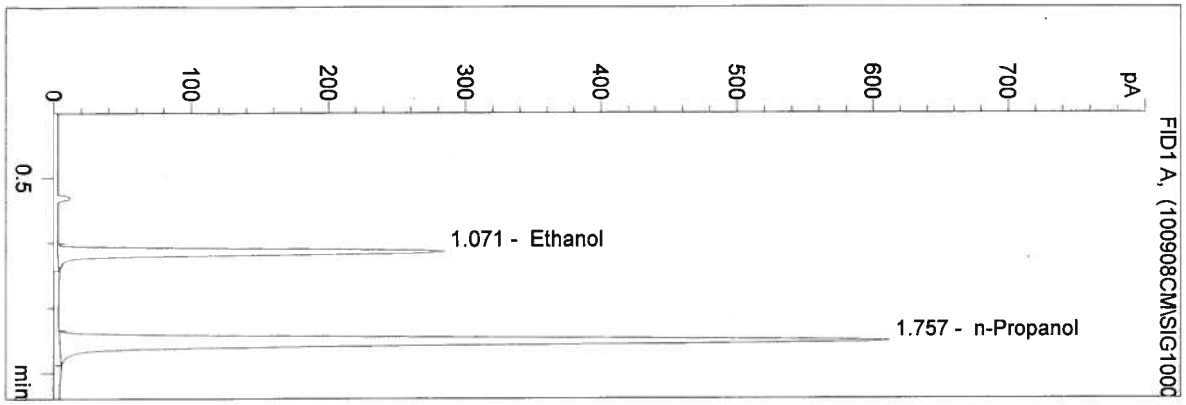
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

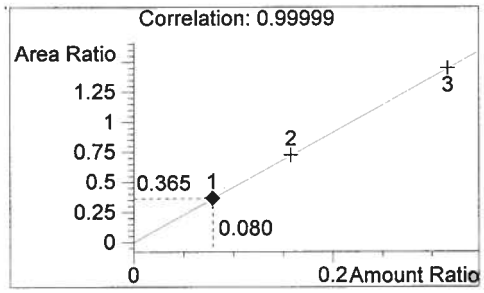
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:29:14 PM
Instrument 1
DB ALC 1

0.079 CAL 1
Christie Mitchell

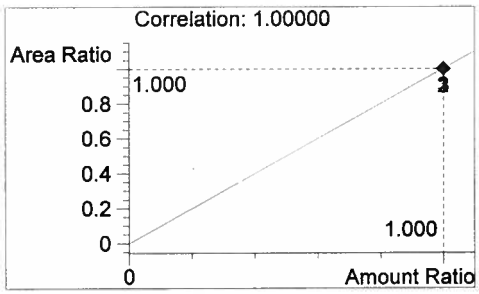
vial # 2



#	Compound	Area	RT
1	Ethanol	876	1.071
2	n-Propanol	2403	1.757
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

CM

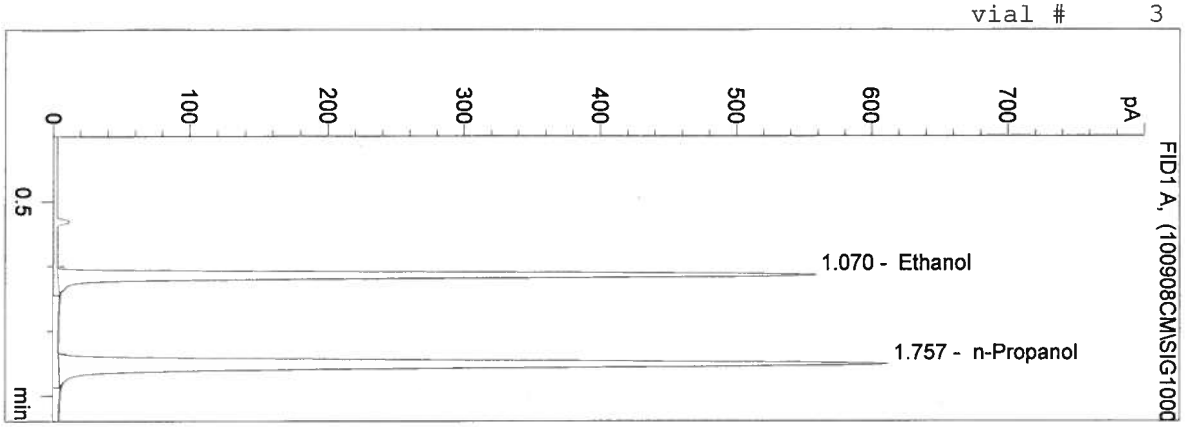
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

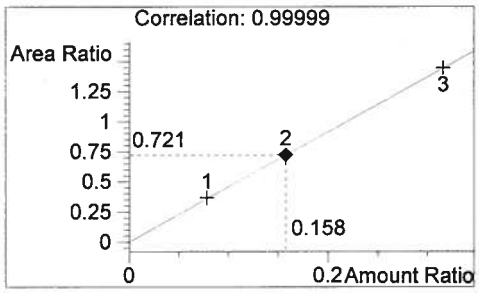
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:32:18 PM
Instrument 1
DB ALC 1

0.158 CAL 2
Christie Mitchell

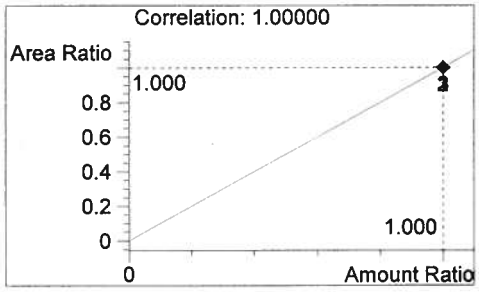
vial # 3



#	Compound	Area	RT
1	Ethanol	1732	1.070
2	n-Propanol	2402	1.757
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

CM

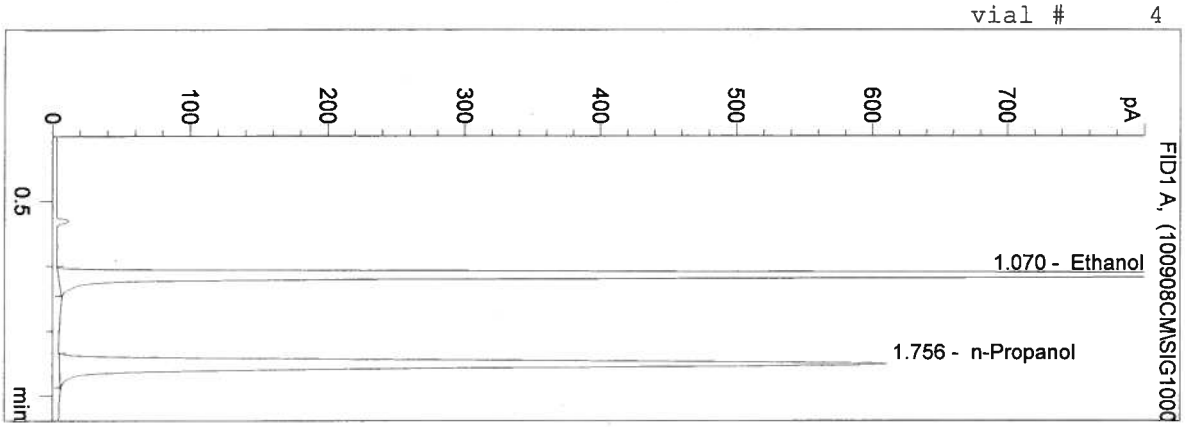
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

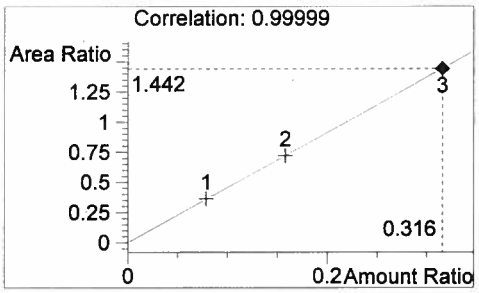
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:35:23 PM
Instrument 1
DB ALC 1

0.316 CAL 3
Christie Mitchell

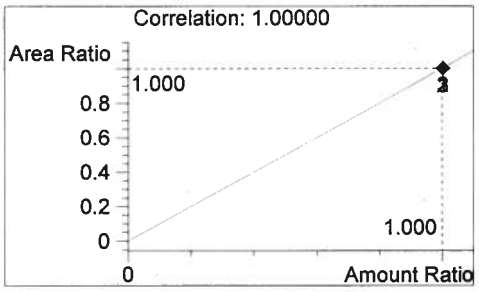
vial # 4



#	Compound	Area	RT
1	Ethanol	3447	1.070
2	n-Propanol	2391	1.756
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

CM

10035

10036
= 10037

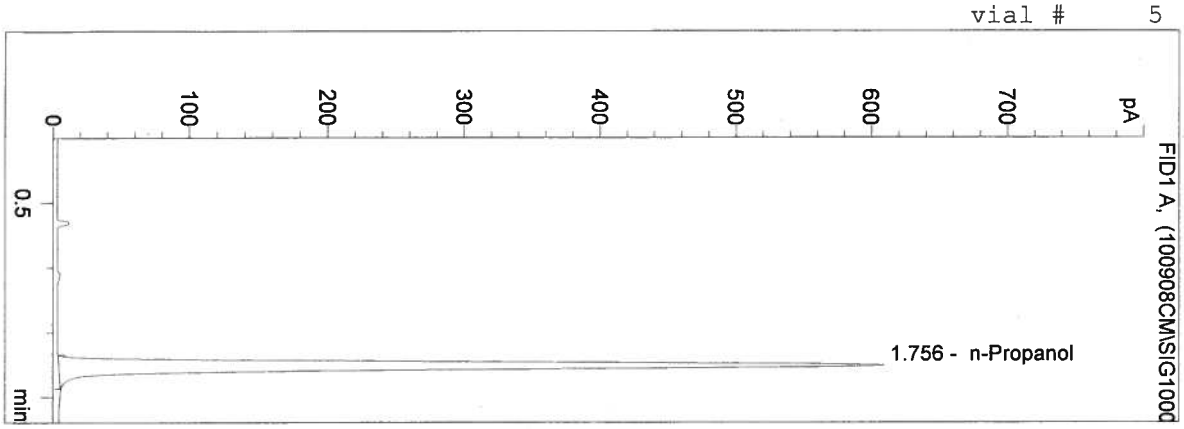
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

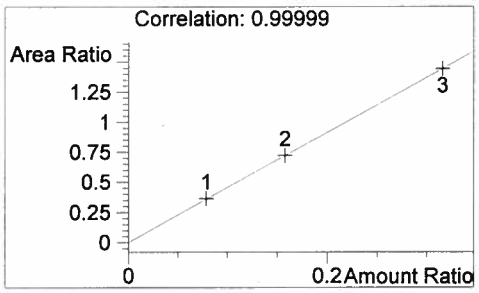
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:38:28 PM
Instrument 1
DB ALC 1

NEG CTRL - CM
Christie Mitchell

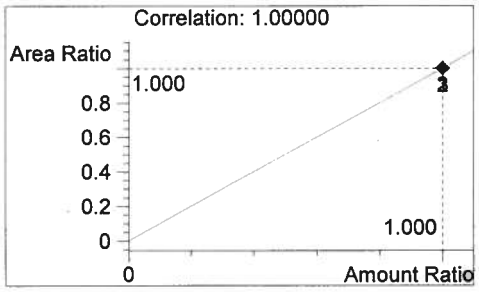
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2395	1.756
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CM

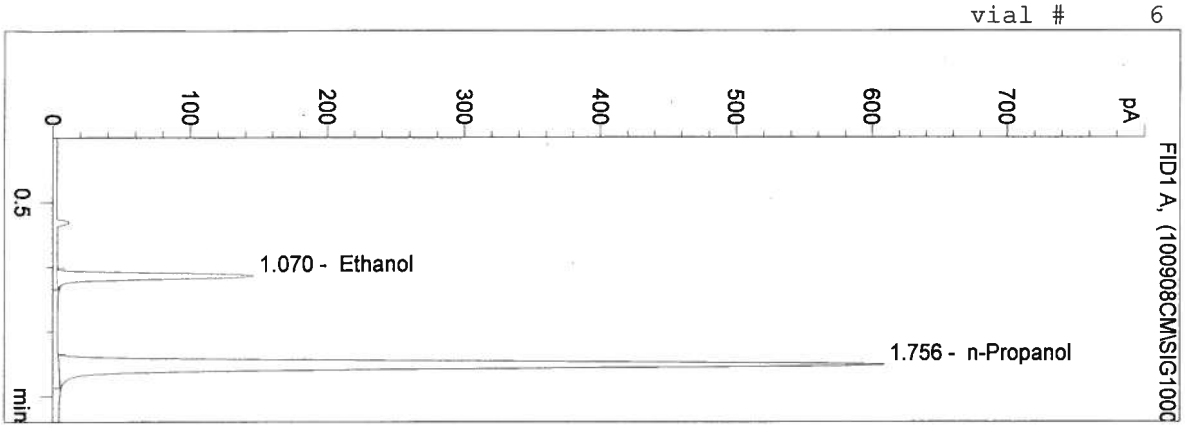
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

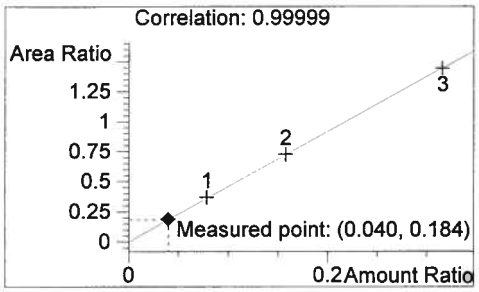
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:41:33 PM
Instrument 1
DB ALC 1

0.04 CTRL - CM
Christie Mitchell

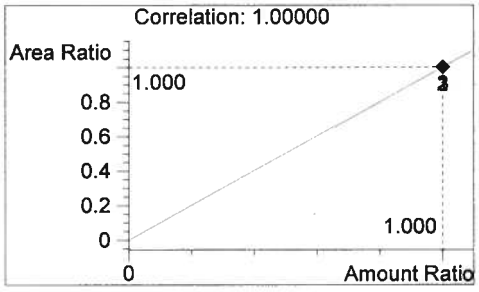
vial # 6



#	Compound	Area	RT
1	Ethanol	440	1.070
2	n-Propanol	2395	1.756
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

CM

10035

10036
10037

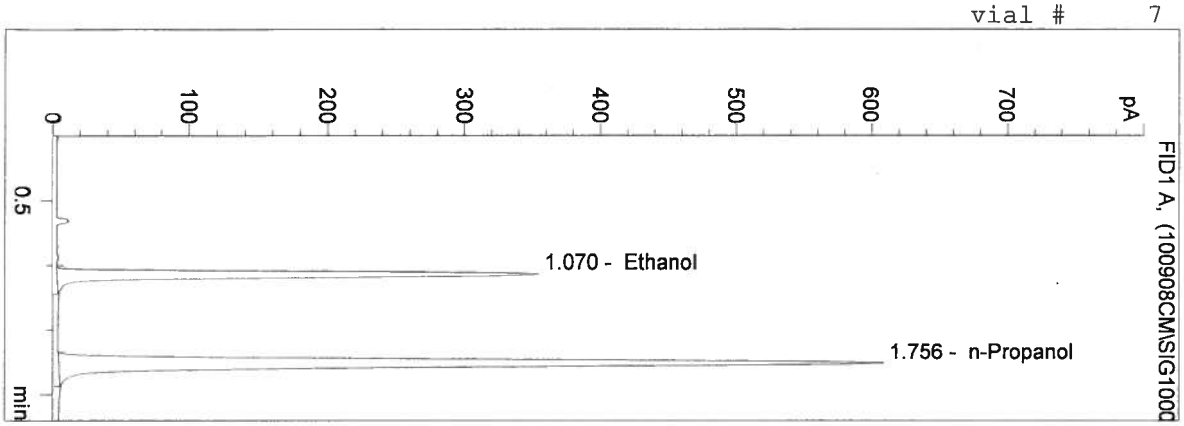
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

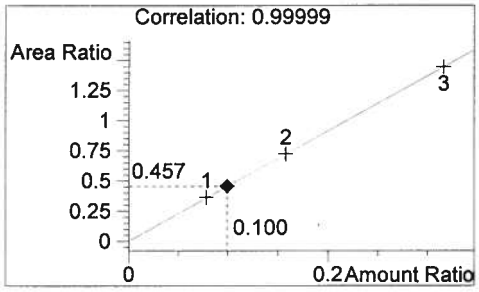
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:44:38 PM
Instrument 1
DB ALC 1

0.10 CTRL - CM
Christie Mitchell

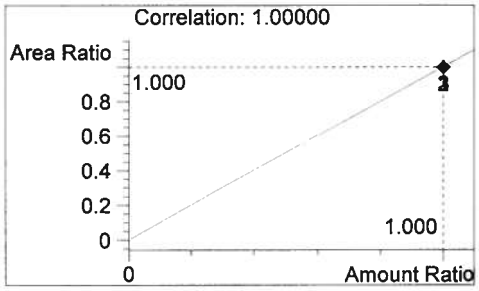
vial # 7



#	Compound	Area	RT
1	Ethanol	1090	1.070
2	n-Propanol	2387	1.756
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

CM

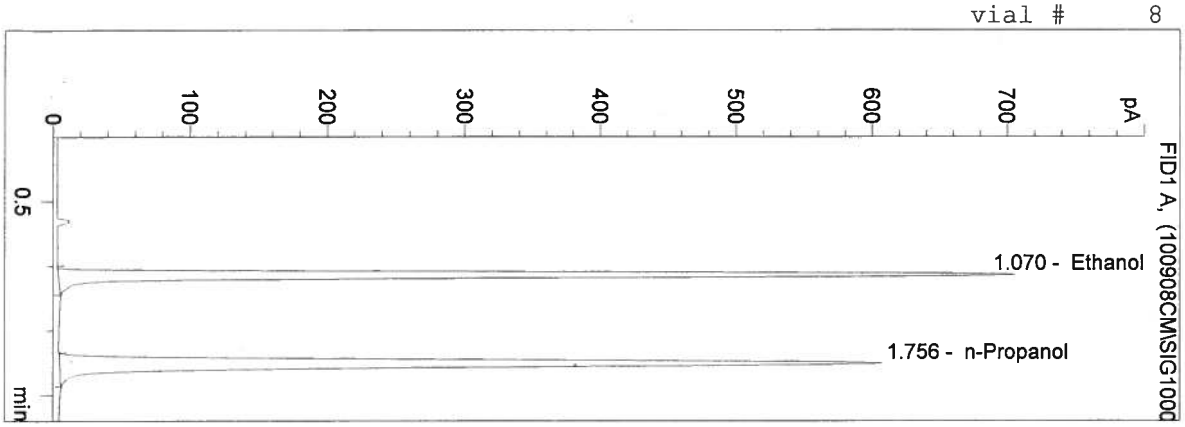
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

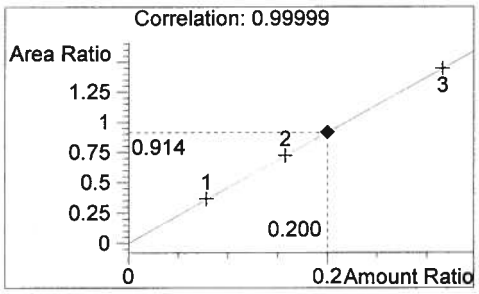
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:47:43 PM
Instrument 1
DB ALC 1

0.20 CTRL -CM
Christie Mitchell

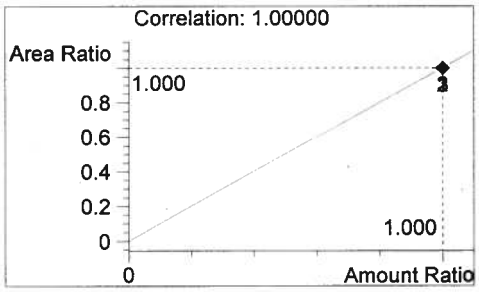
vial # 8



#	Compound	Area	RT
1	Ethanol	2172	1.070
2	n-Propanol	2376	1.756
Tot			



Ethanol 0.200 g/100 mL



n-Propanol 1.000 g/100 mL

CM

10035

10036
10037

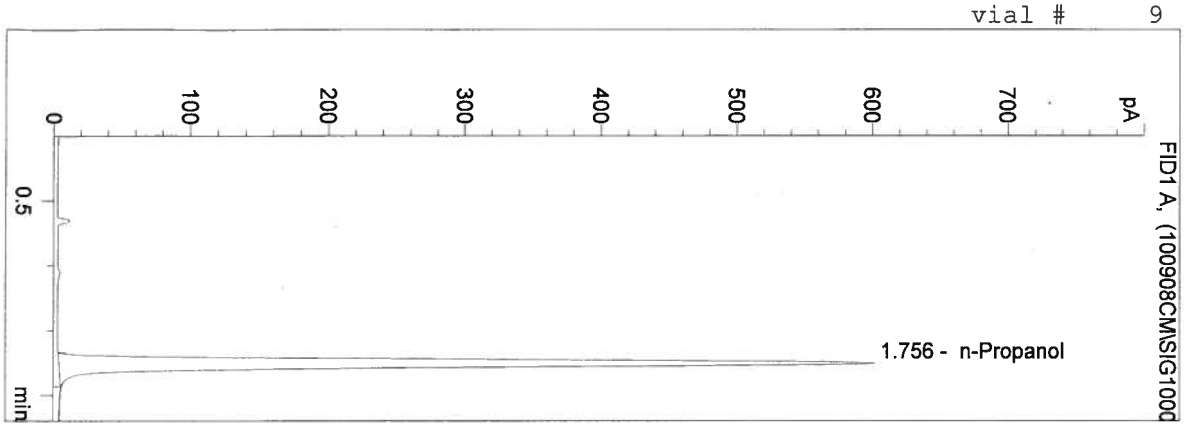
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

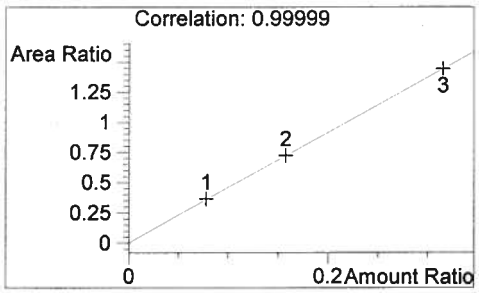
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:50:48 PM
Instrument 1
DB ALC 1

NEG CTRL - CM
Christie Mitchell

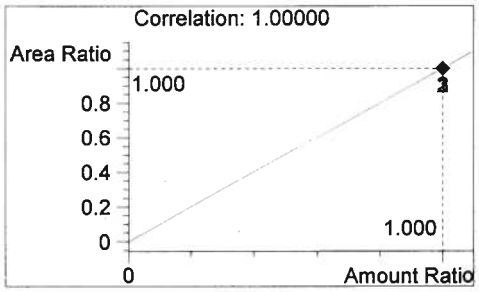
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2367	1.756
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CM

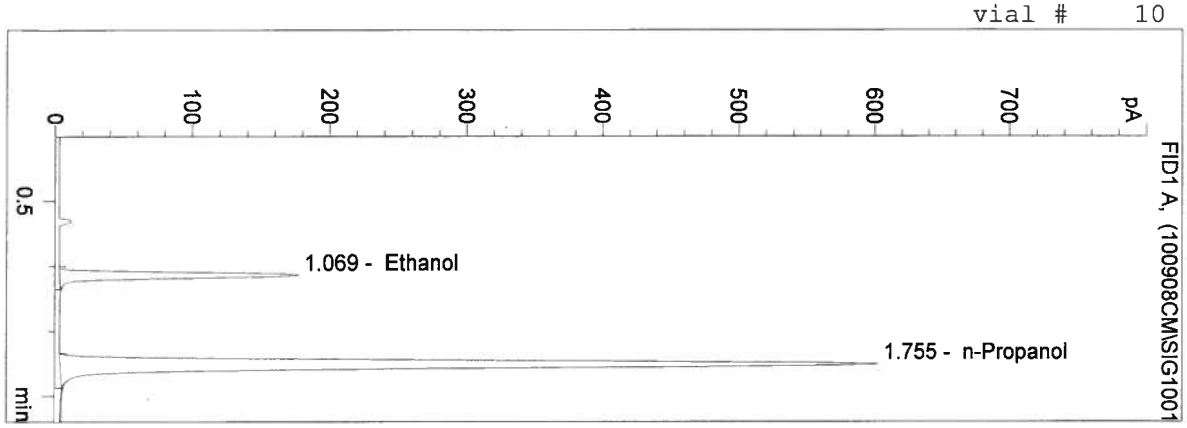
10035
10036
10037
10038

WASHINGTON STATE TOXICOLOGY LABORATORY

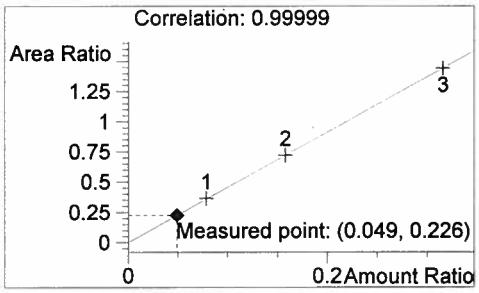
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:53:52 PM
Instrument 1
DB ALC 1

10035 #1
Christie Mitchell

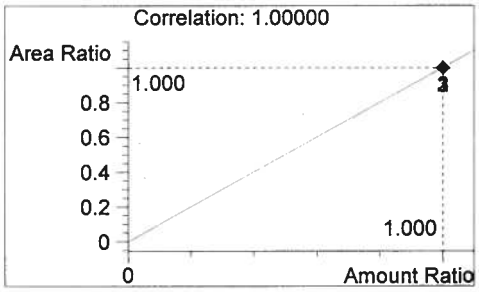
vial # 10



#	Compound	Area	RT
1	Ethanol	534	1.069
2	n-Propanol	2364	1.755
Tot			



Ethanol 0.049 g/100 mL



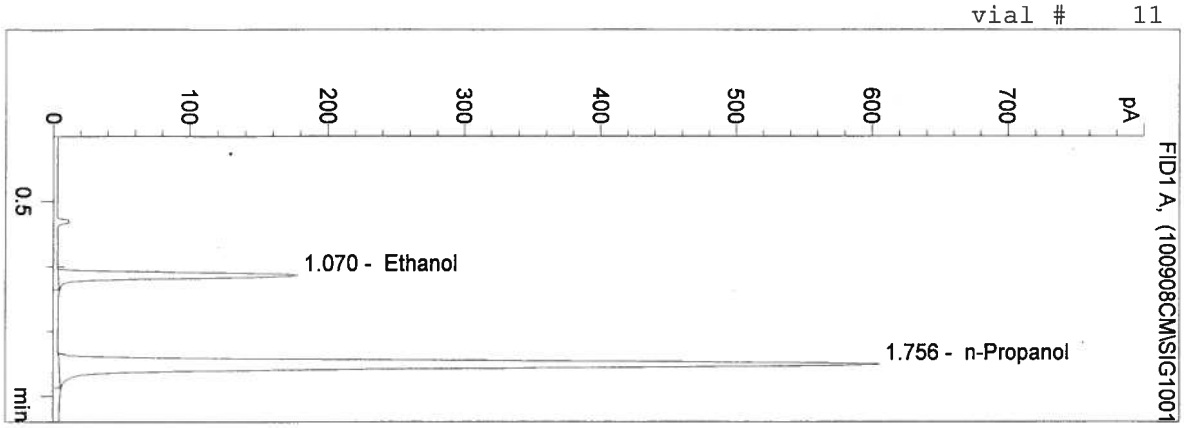
n-Propanol 1.000 g/100 mL

CM

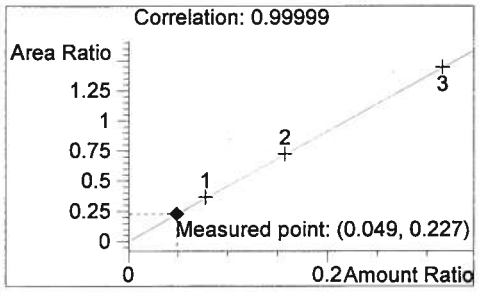
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 2:56:57 PM
Instrument 1
DB ALC 1

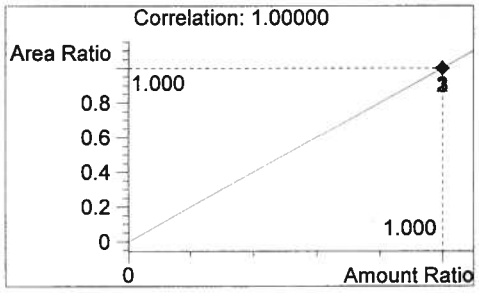
10035 #2
Christie Mitchell
vial # 11



#	Compound	Area	RT
1	Ethanol	539	1.070
2	n-Propanol	2376	1.756
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

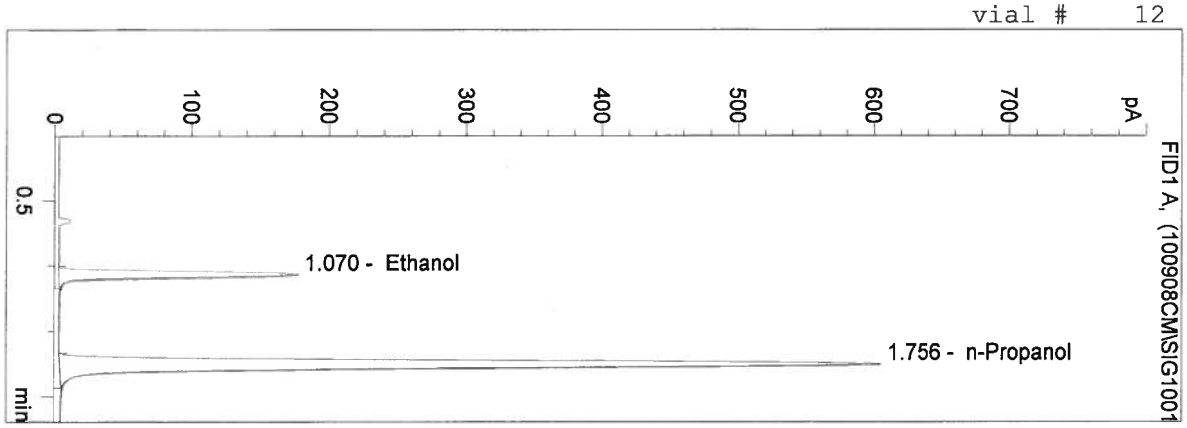
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

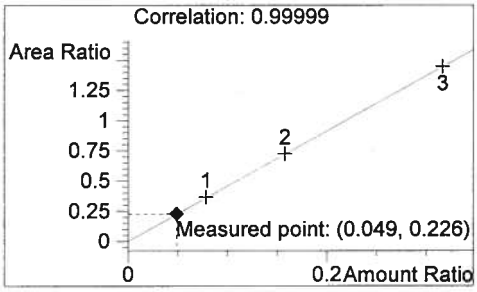
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 3:00:02 PM
Instrument 1
DB ALC 1

10035 #3
Christie Mitchell

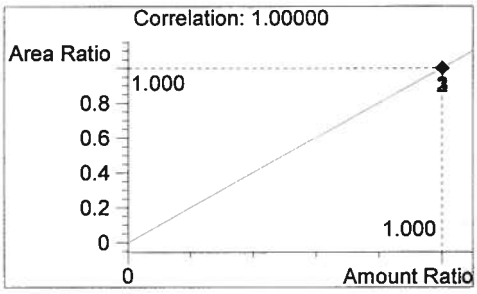
vial # 12



#	Compound	Area	RT
1	Ethanol	539	1.070
2	n-Propanol	2382	1.756
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

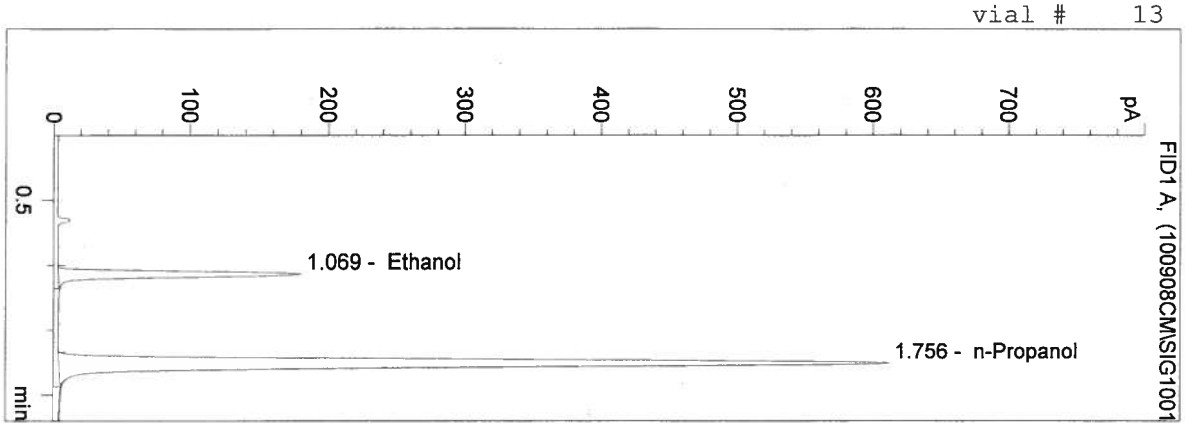
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

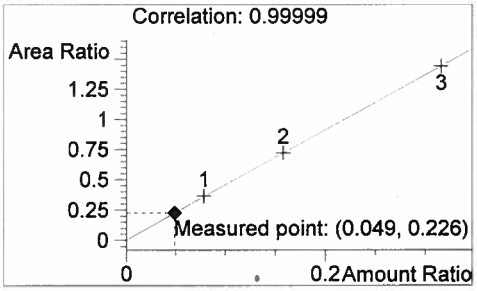
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 3:03:07 PM
Instrument 1
DB ALC 1

10035 #4
Christie Mitchell

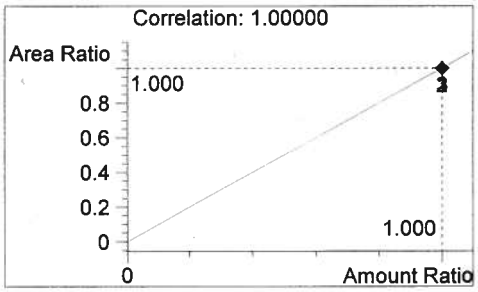
vial # 13



#	Compound	Area	RT
1	Ethanol	543	1.069
2	n-Propanol	2399	1.756
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

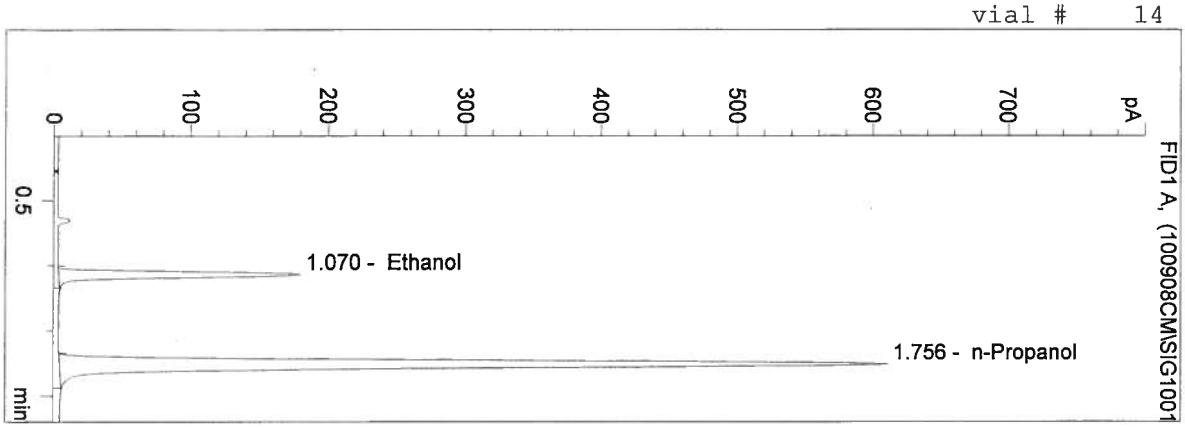
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

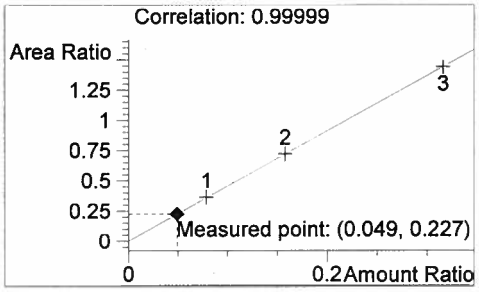
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 3:06:12 PM
Instrument 1
DB ALC 1

10035 #5
Christie Mitchell

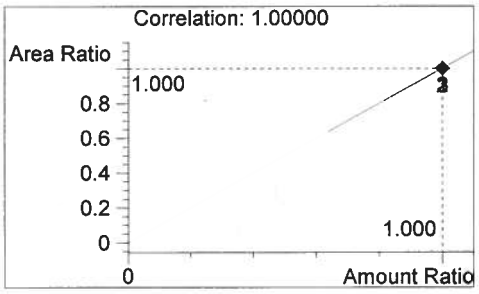
vial # 14



#	Compound	Area	RT
1	Ethanol	544	1.070
2	n-Propanol	2399	1.756
Tot			



Ethanol 0.049 g/100 mL



n-Propanol 1.000 g/100 mL

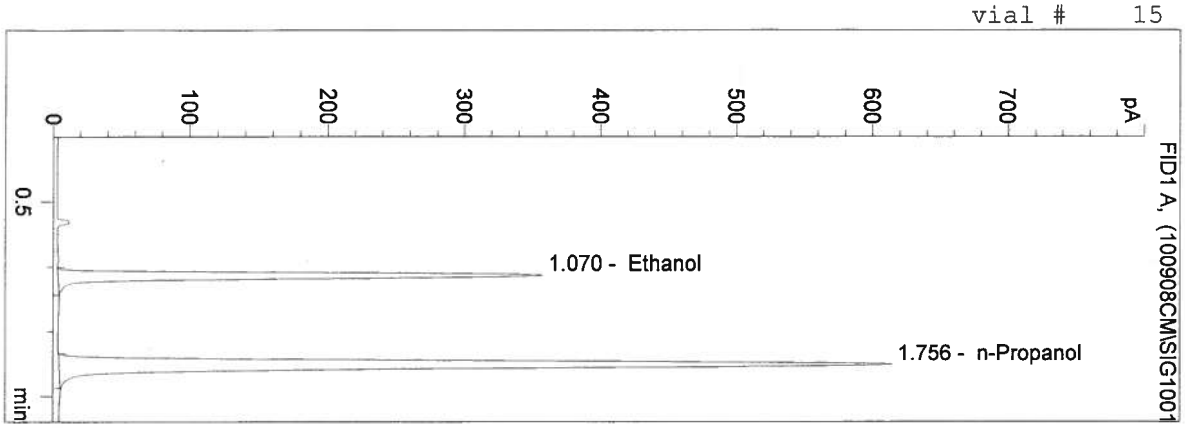
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

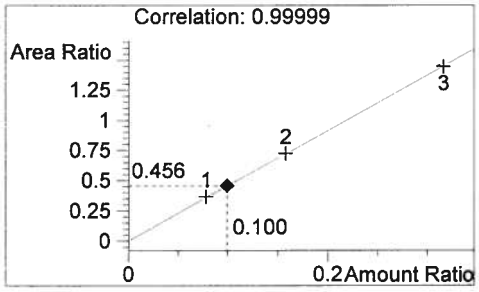
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 3:09:17 PM
Instrument 1
DB ALC 1

0.10 CTRL - CM
Christie Mitchell

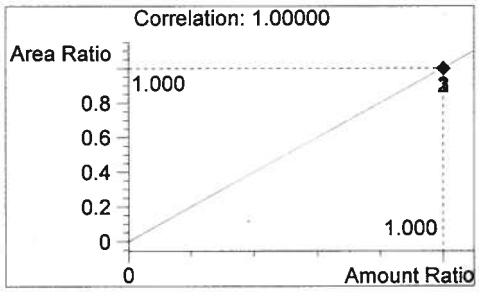
vial # 15



#	Compound	Area	RT
1	Ethanol	1102	1.070
2	n-Propanol	2416	1.756
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

CM

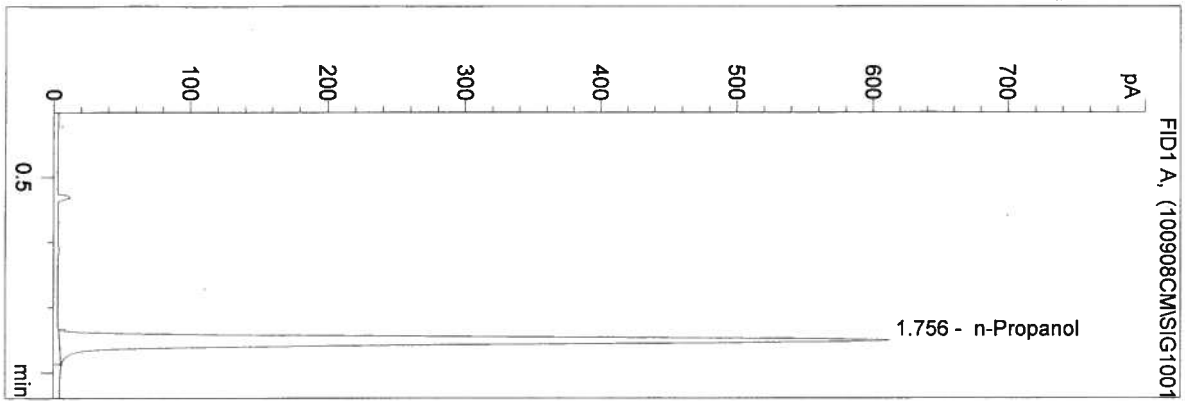
10035

WASHINGTON STATE TOXICOLOGY LABORATORY

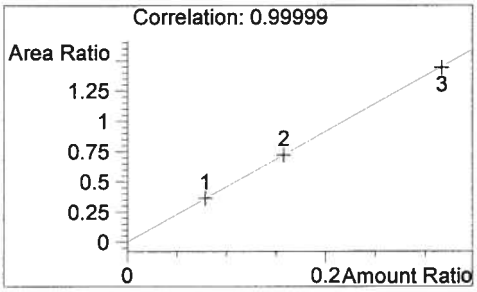
C:\HPCHEM\1\METHODS\SIMALC.M
9/8/2010 3:12:21 PM
Instrument 1
DB ALC 1

NEG CTRL - CM
Christie Mitchell

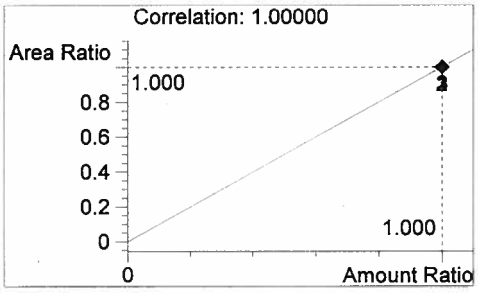
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2410	1.756
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CM

#10035

Washington State Patrol Toxicology Laboratory Division

QAP SOLUTION PREPARATION WORKSHEET

Batch #: 10035, 10036, 10037, 10038

Preparer: Lisa Noble

Date Prepared: 9/1/10

Expiration Date: 9/1/11

Lot 200 Proof (100%) Ethanol Used: ZQ0777

Date 200 Proof Ethanol Opened: 7/22/10
(Ethanol standard is approved for use for 6 months after opening unless an extension is approved by the State Toxicologist.)

Vapor Concentration of QAP	Amount of Ethanol	Amount of Deionized Water	
0.04	11.2 mL	18 L	☑
0.08	22.4 mL	18 L	☑
0.1	28.1 mL	18 L	☑
0.15	42.0 mL	18 L	☑
Stir Bar is Rotating			☑
Stirred for at least 30 minutes			☑
Spigot Purged			☑
Aliquot Taken			☑
Batch Labeled Packaged and Sealed			☑ 9/1/10 Date

Lisa Noble
Analyst

9/1/10
Date

10035