Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: GULLBERG/VRANISH **Date:** 11-3-10

Location: TOX LAB **Solution Batch Number:** 10054

	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: [signature] **Date:** 11-3-2010

Reviewer Signature: [signature] **Date:** 11-3-10

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 10054

CUSTOMER INFORMATION
Washington State Patrol – Breath Test Program
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions; Headspace-Gas Chromatography.

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 10/21/2010
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Rebecca Flaherty

	RF	SS	BP
1	0.100	0.100	0.101
2	0.100	0.100	0.100
3	0.100	0.101	0.102
4	0.100	0.101	0.102
5	0.100	0.101	0.102
C	0.101	0.101	0.101

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1007 g/100mL
STANDARD DEVIATION: 0.00082
PRECISION CV (%): 0.81
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0818 g/210L**

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5 11-3-10
Melissa L. Pemberton Forensic Scientist Supervisor DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
RF	Rebecca Flaherty		10/25/2010
SS	Sarah Swenson		10/26/2010
BP	Brianna Peterson	Brianna Peterson	10/28/2010

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 #: **10054** **Date Prepared:** **10/21/2010**

Analyst:	RF	SS	BP
Date Tested:	10/25/2010	10/26/2010	10/28/2010
Instrument:	HS#1	HS#1	HS#1
1	0.100	0.100	0.101
2	0.100	0.100	0.100
3	0.100	0.101	0.102
4	0.100	0.101	0.102
5	0.100	0.101	0.102
C	0.101	0.101	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	CV^2_{Bias}	$CV^2_{Part\ Coef}$
0.0000084100	0.0000043858	0.0000000000	0.0000333333	0.0001016326

Ethanol Control Lot #: A071132
Control Uncertainty (%): 0.29
Maximum (-) Control Bias: 0.000
Maximum (+) Control Bias: 0.001

Average Solution Concentration: 0.1007 g/100mL
Standard Deviation: 0.00082 g/100mL
Precision CV (%): 0.81
Equivalent Vapor Concentration: 0.0818 g/210L
Combined Standard Uncertainty (±): 0.0010 g/210L

Calculations performed by: Melissa L. Pemberton [signature] 10-29-10
Name Signature Date

Calculations verified by: ROA G GULLBERG [signature] 11-3-2010
Name Signature Date

Method: EXCEL

Tech. review performed by: Melissa L. Pemberton [signature] 11-3-2010
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	11/2/10
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell		
Christopher Johnston		
Dawn Cox		
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	10/29/10
Sarah Swenson	SMS	10/29/10

Batch # 10054

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.08 QAP SOLUTION CERTIFICATION FOR LOT 10054

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 10054, was prepared in the Washington State Toxicology Laboratory on 10/21/2010. 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 10/21/2011.

Seattle, WA

10/29/10

Rebecca Flaherty — Date

Forensic Toxicologist

RF/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 0.08 QAP SOLUTION CERTIFICATION FOR LOT 10054

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

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

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

The qap solution, Lot Number 10054, was prepared in the Washington State Toxicology Laboratory on 10/21/2010. 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 10/21/2011.

Seattle, WA

10/29/10

Sarah M. Swenson Date

Forensic Toxicologist

SS/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 0.08 QAP SOLUTION CERTIFICATION FOR LOT 10054

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 10054, was prepared in the Washington State Toxicology Laboratory on 10/21/2010. 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 10/21/2011.

Seattle, WA

Brianna Peterson 11/2/10

Brianna Peterson Date

Forensic Toxicologist

BP/ik

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:	101025RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

RF

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 CONTROL-RF	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-RF	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-RF	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-RF	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-RF	SIMALC	1	Ctrl Samp		
10	Vial 10	QAP0.08 10054 #1	SIMALC	1	Sample		
11	Vial 11	QAP0.08 10054 #2	SIMALC	1	Sample		
12	Vial 12	QAP0.08 10054 #3	SIMALC	1	Sample		
13	Vial 13	QAP0.08 10054 #4	SIMALC	1	Sample		
14	Vial 14	QAP0.08 10054 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CONTROL-RF	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-RF	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	

10054

Sequence Table (Back Injector):

No entries - empty table!

RF

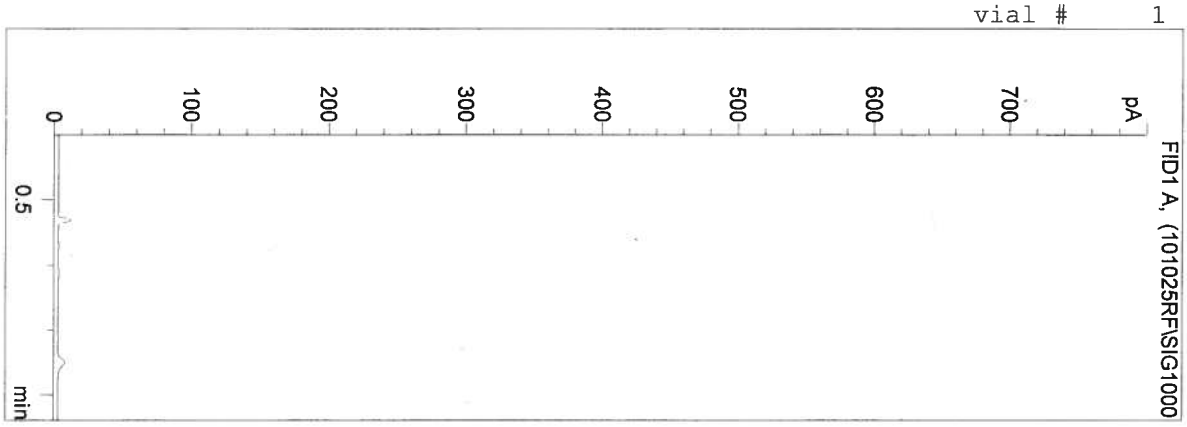
10054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
10/25/2010 3:40:14 PM
Instrument 1
DB ALC 1

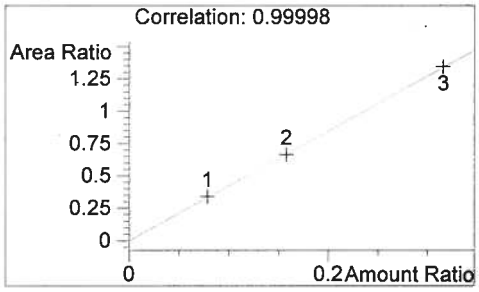
BLANK
Rebecca Flaherty

vial # 1

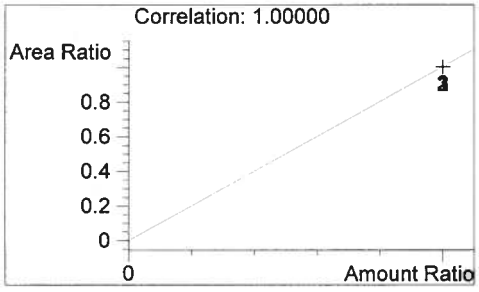


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

10054

WASHINGTON STATE TOXICOLOGY LABORATORY

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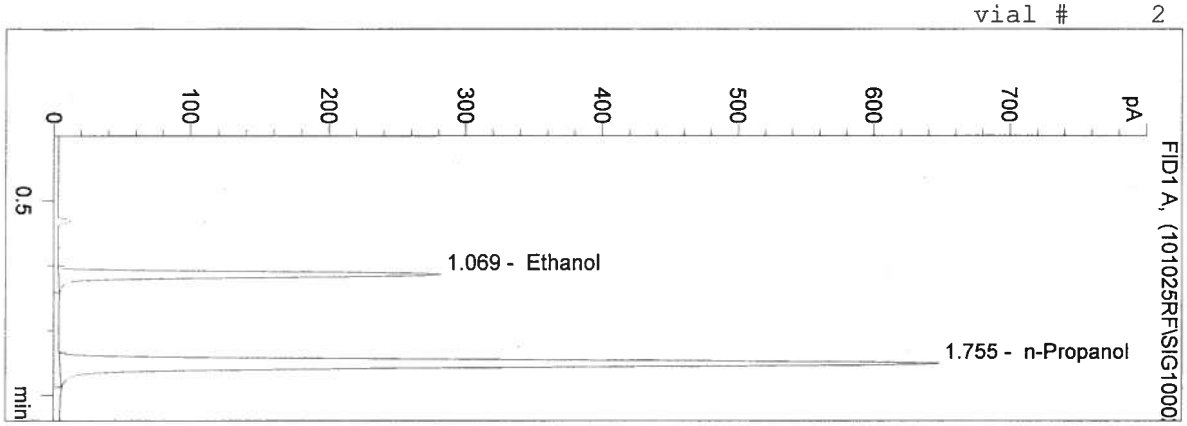
10/25/2010 3:43:19 PM
Instrument 1
DB ALC 1

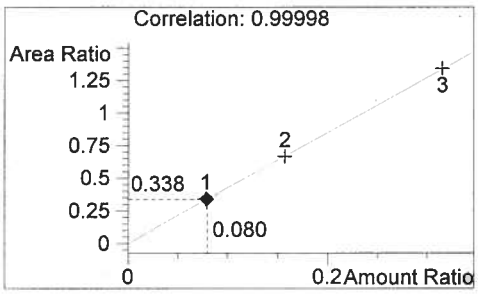
0.079 CAL 1
Rebecca Flaherty

vial # 2

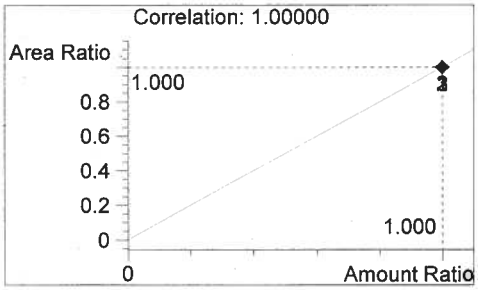


#	Compound	Area	RT
1	Ethanol	856	1.069
2	n-Propanol	2532	1.755
Tot			

RF



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

10054

WASHINGTON STATE TOXICOLOGY LABORATORY

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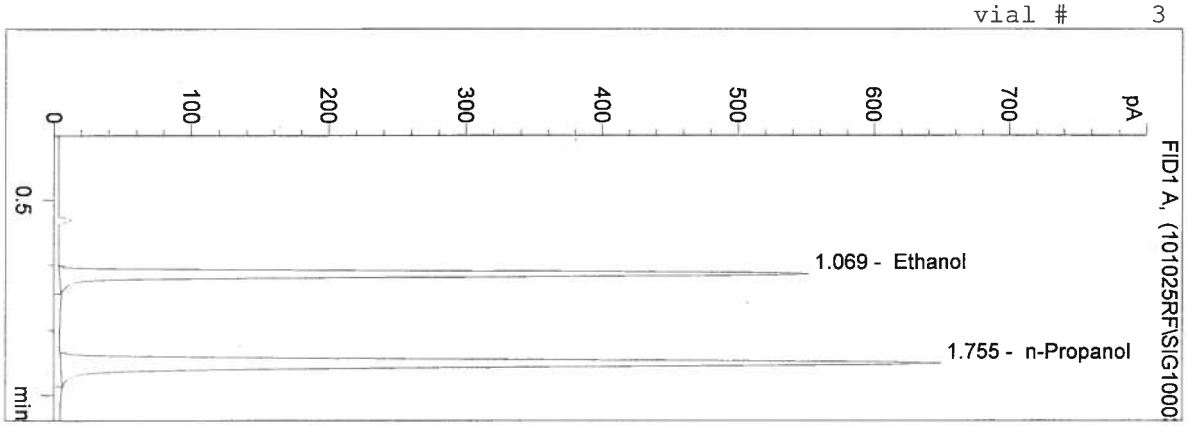
10/25/2010 3:46:24 PM
Instrument 1
DB ALC 1

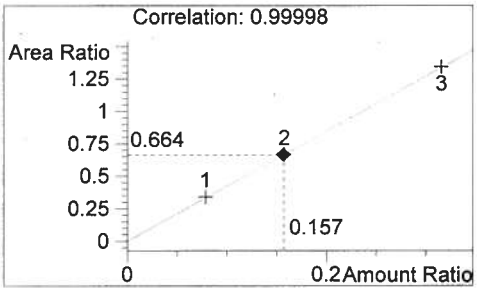
0.158 CAL 2
Rebecca Flaherty

vial # 3

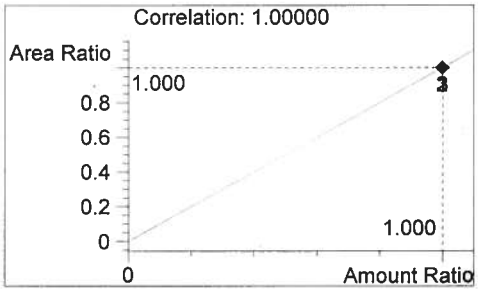


#	Compound	Area	RT
1	Ethanol	1688	1.069
2	n-Propanol	2542	1.755
Tot			

RF



Ethanol 0.157 g/100 mL



n-Propanol 1.000 g/100 mL

10054

WASHINGTON STATE TOXICOLOGY LABORATORY

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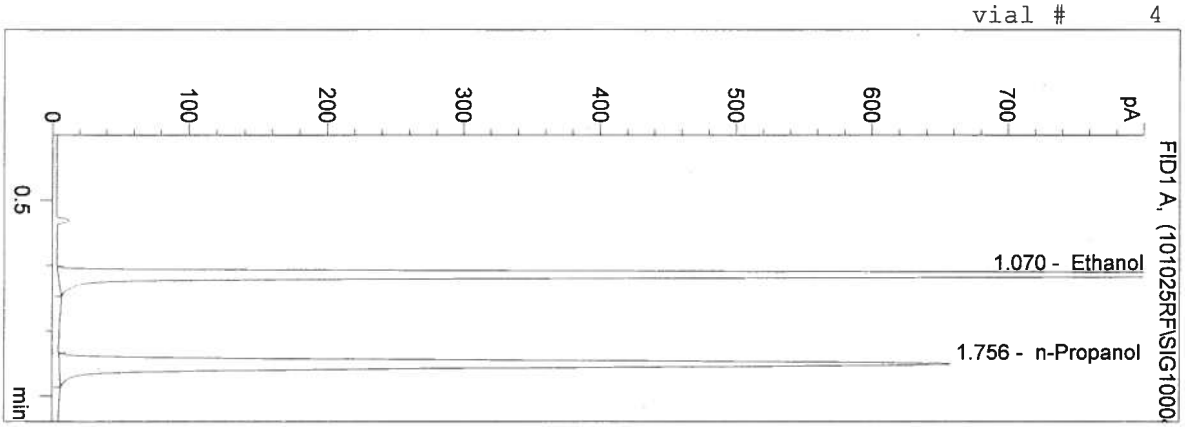
Instrument 1
DB ALC 1

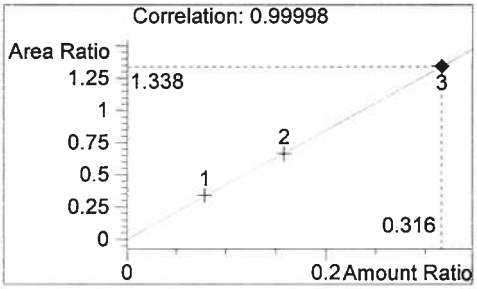
0.316 CAL 3
Rebecca Flaherty

vial # 4

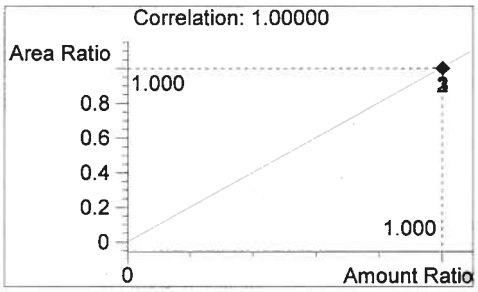


#	Compound	Area	RT
1	Ethanol	3441	1.070
2	n-Propanol	2572	1.756
Tot			

RF



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

10054

WASHINGTON STATE TOXICOLOGY LABORATORY

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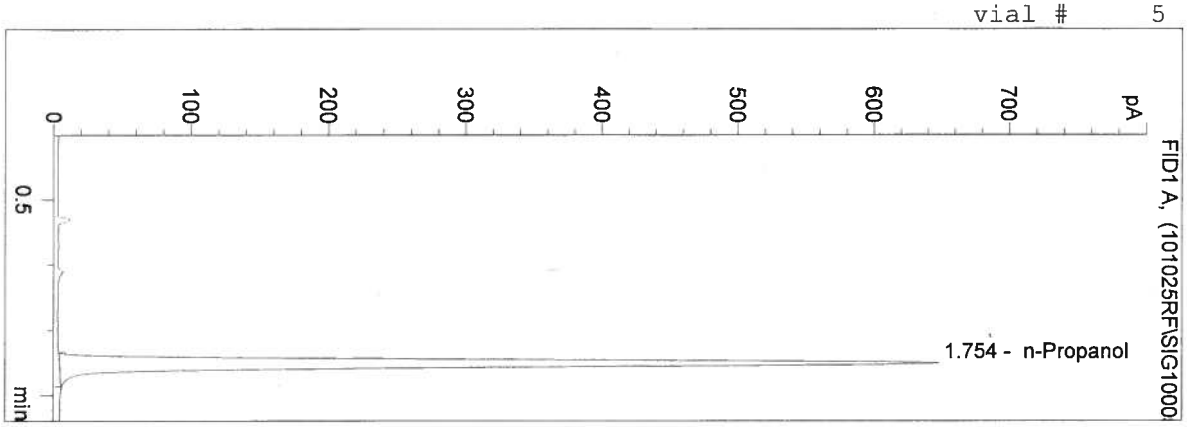
Instrument 1
DB ALC 1

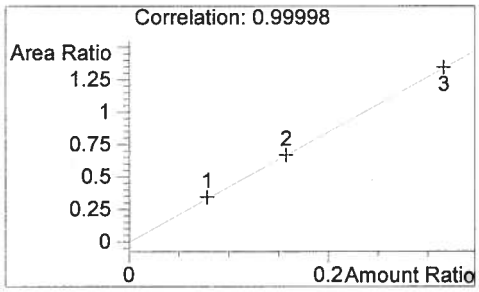
NEG CONTROL-RF
Rebecca Flaherty

vial # 5

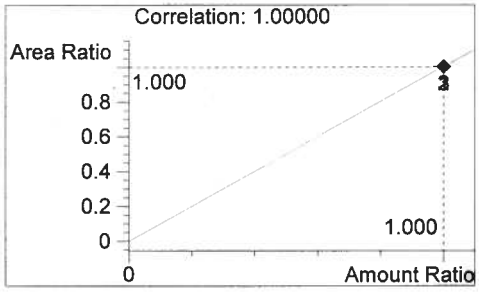


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2532	1.754
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10054

WASHINGTON STATE TOXICOLOGY LABORATORY

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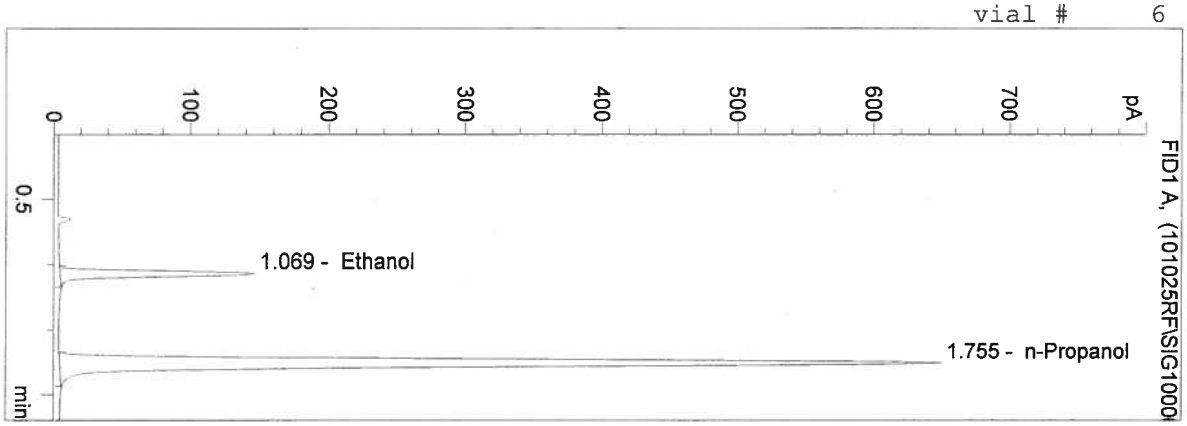
10/25/2010 3:55:38 PM
Instrument 1
DB ALC 1

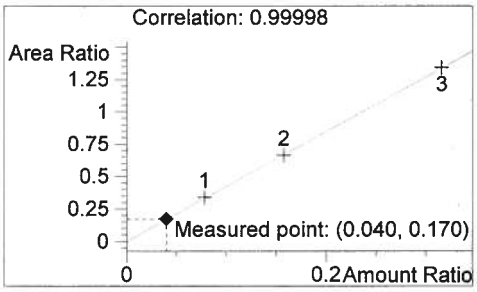
0.04 CONTROL-RF
Rebecca Flaherty

vial # 6

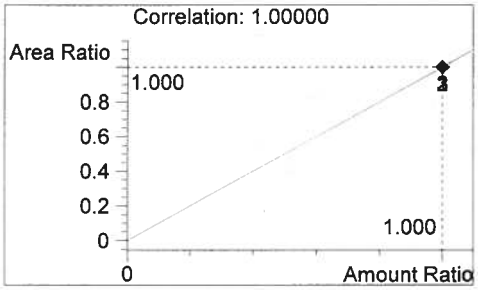


#	Compound	Area	RT
1	Ethanol	433	1.069
2	n-Propanol	2543	1.755
Tot			

RF



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

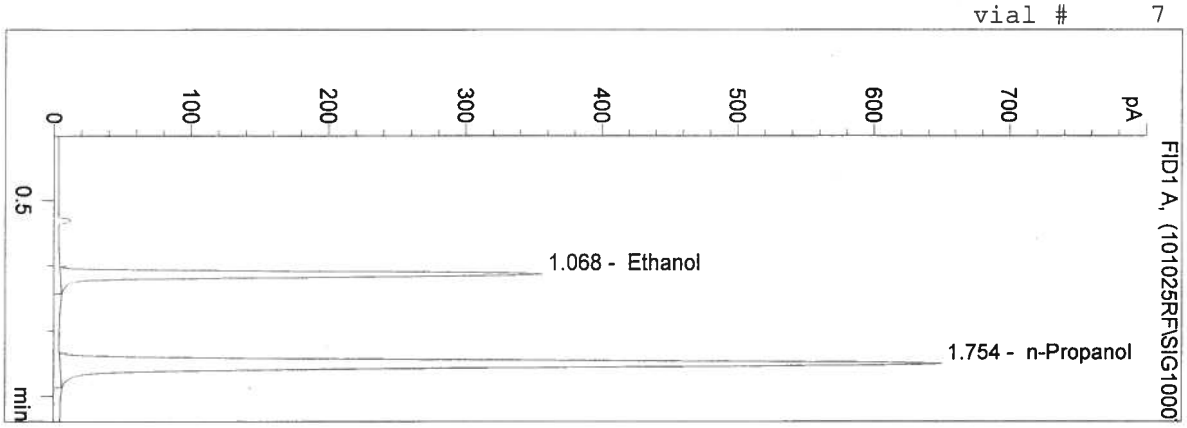
10054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
10/25/2010 3:58:43 PM
Instrument 1
DB ALC 1

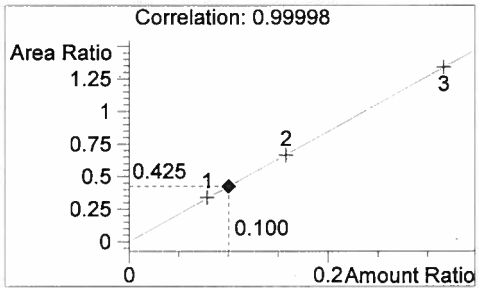
0.10 CONTROL-RF
Rebecca Flaherty

vial # 7

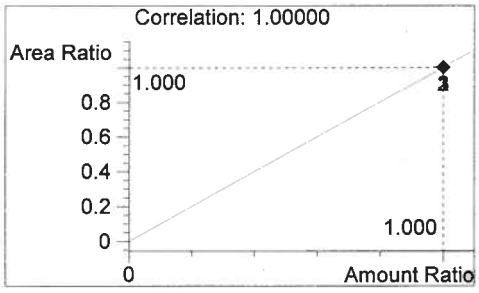


#	Compound	Area	RT
1	Ethanol	1080	1.068
2	n-Propanol	2540	1.754
Tot			

RF



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

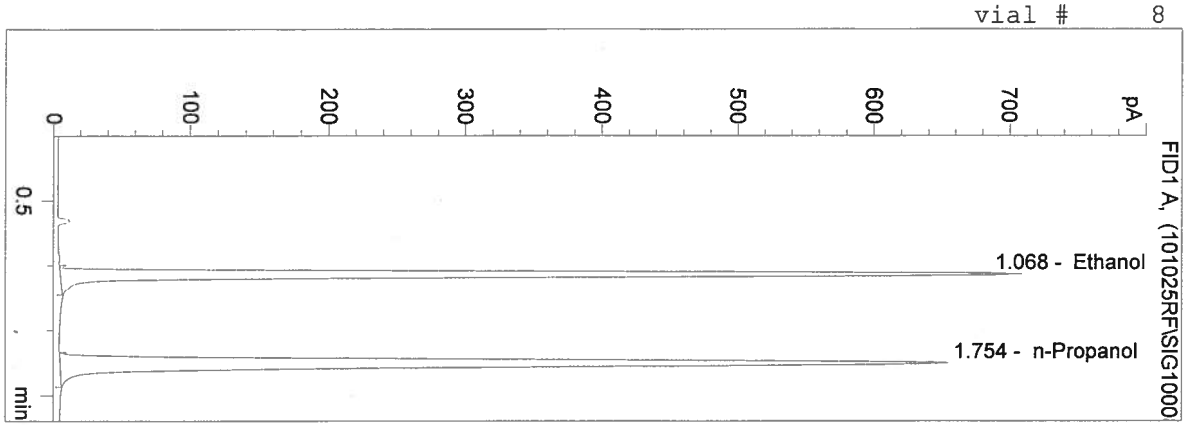
10054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
10/25/2010 4:01:48 PM
Instrument 1
DB ALC 1

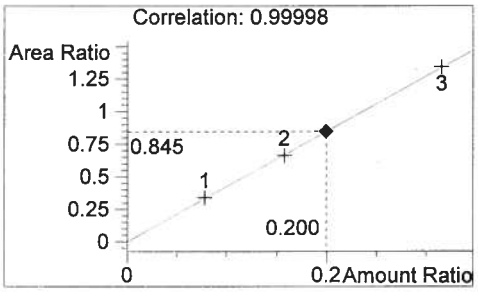
0.20 CONTROL-RF
Rebecca Flaherty

vial # 8

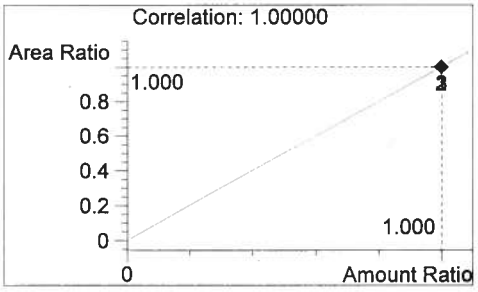


#	Compound	Area	RT
1	Ethanol	2164	1.068
2	n-Propanol	2560	1.754
Tot			

RS



Ethanol 0.200 g/100 mL



n-Propanol 1.000 g/100 mL

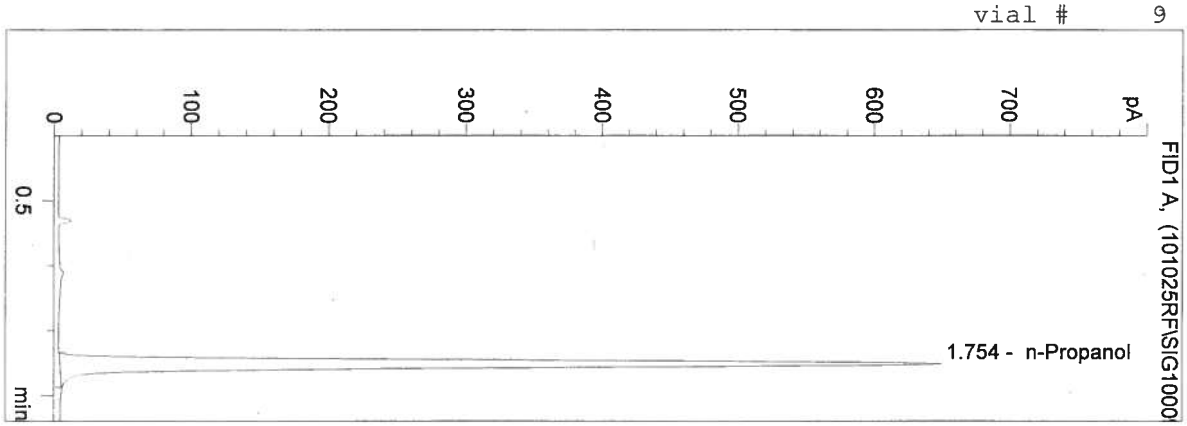
10054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
10/25/2010 4:04:53 PM
Instrument 1
DB ALC 1

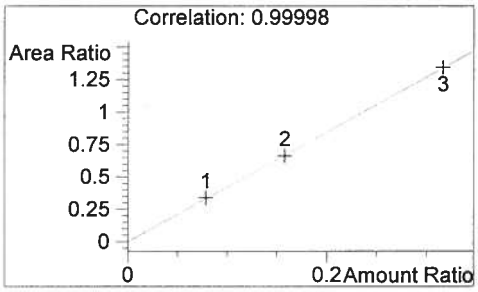
NEG CONTROL-RF
Rebecca Flaherty

vial # 9

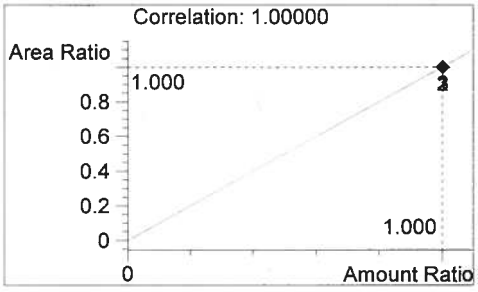


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2538	1.754
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

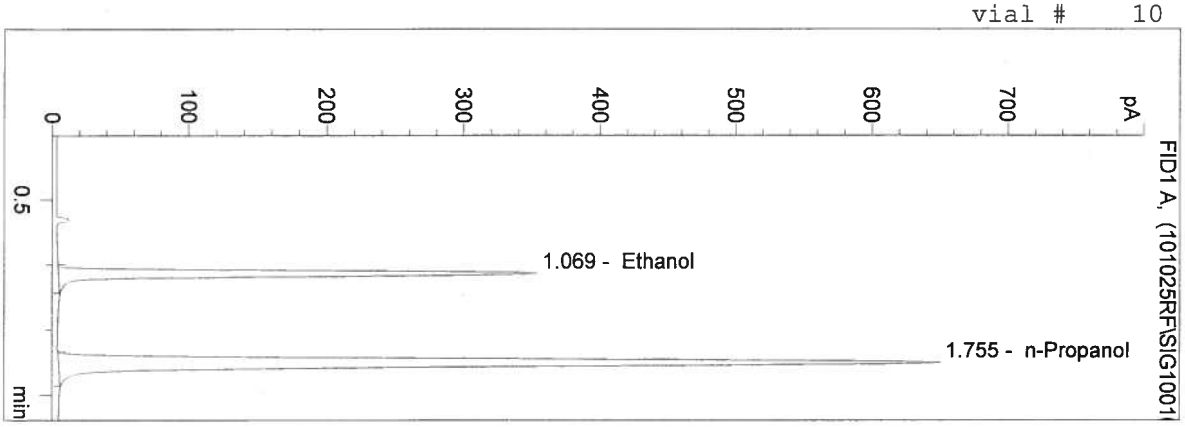
10054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
10/25/2010 4:07:57 PM
Instrument 1
DB ALC 1

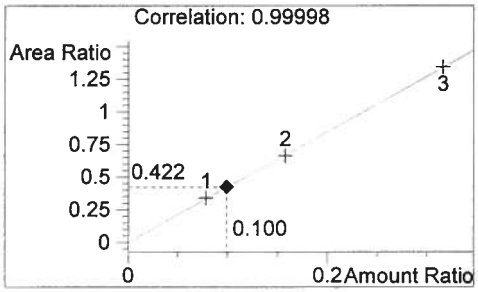
QAP0.08 10054 #1
Rebecca Flaherty

vial # 10

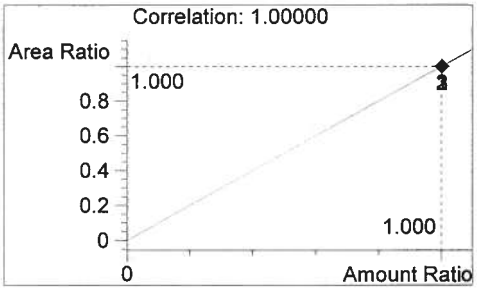


#	Compound	Area	RT
1	Ethanol	1073	1.069
2	n-Propanol	2545	1.755
Tot			

RY



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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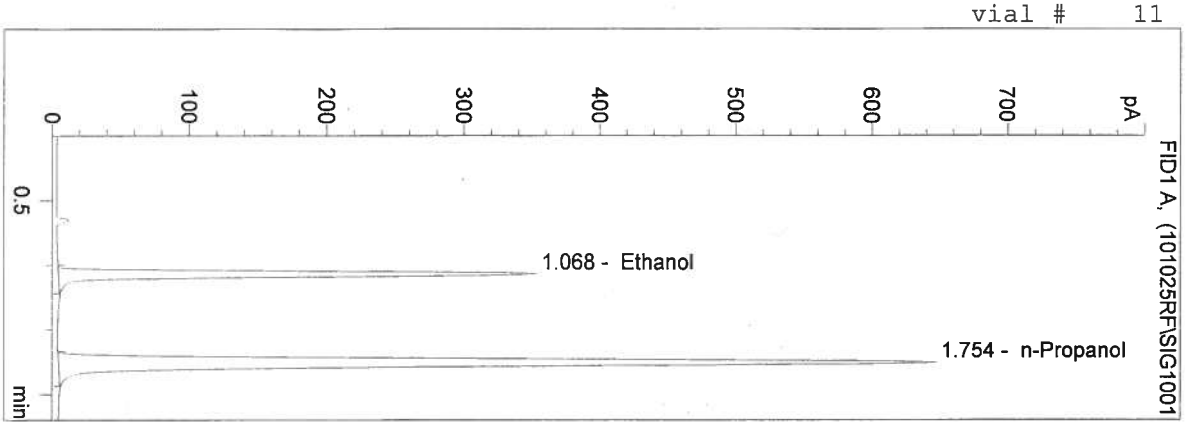
10/25/2010 4:11:02 PM
Instrument 1
DB ALC 1

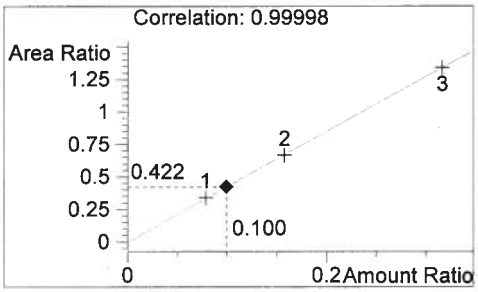
QAP0.08 10054 #2
Rebecca Flaherty

vial # 11

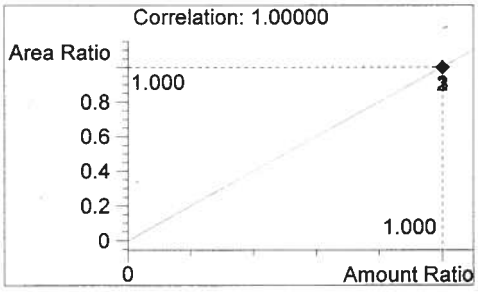


#	Compound	Area	RT
1	Ethanol	1067	1.068
2	n-Propanol	2527	1.754
Tot			

RF



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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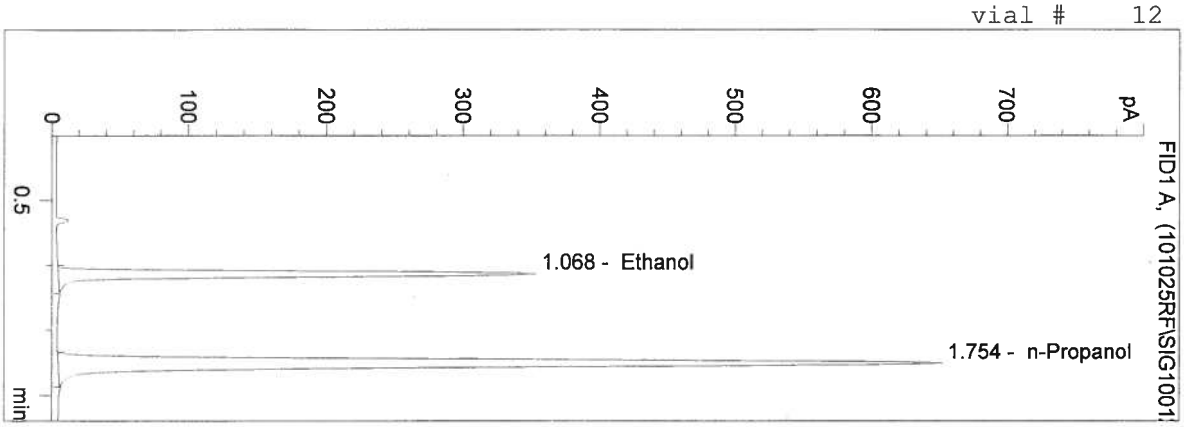
Instrument 1
DB ALC 1

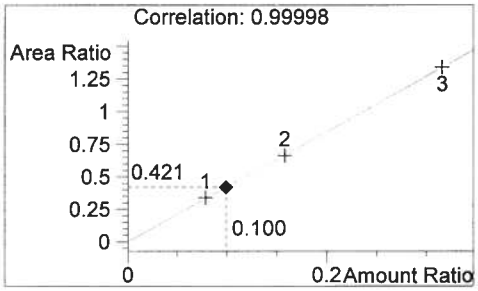
QAP0.08 10054 #3
Rebecca Flaherty

vial # 12

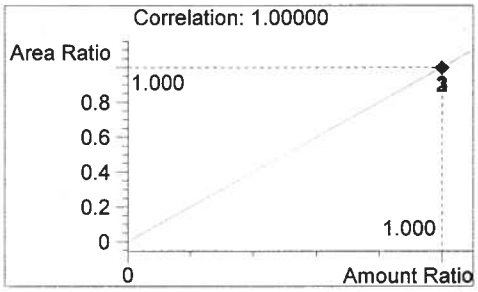


#	Compound	Area	RT
1	Ethanol	1075	1.068
2	n-Propanol	2552	1.754
Tot			

ef



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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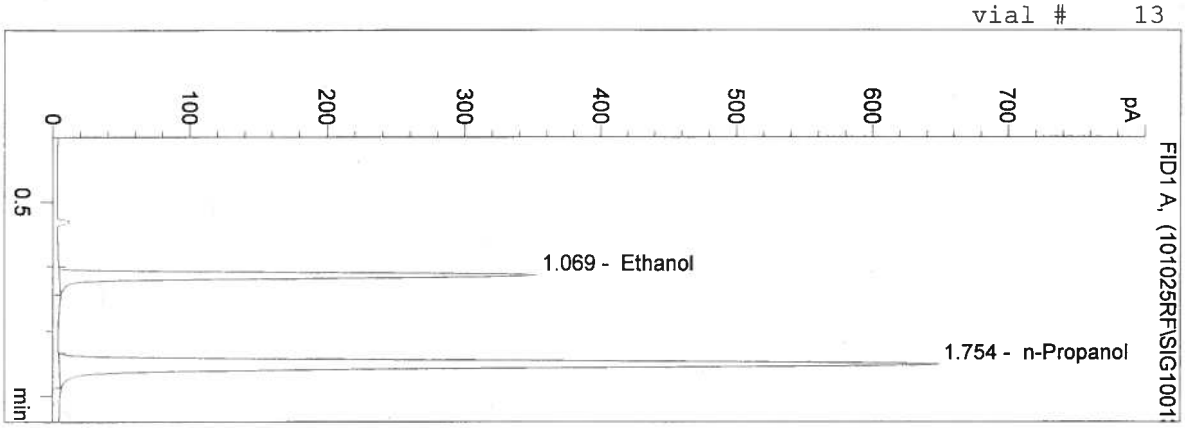
Instrument 1
DB ALC 1

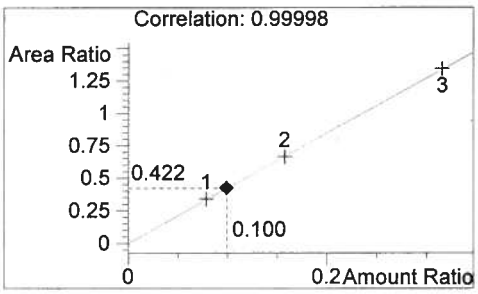
QAP0.08 10054 #4
Rebecca Flaherty

vial # 13

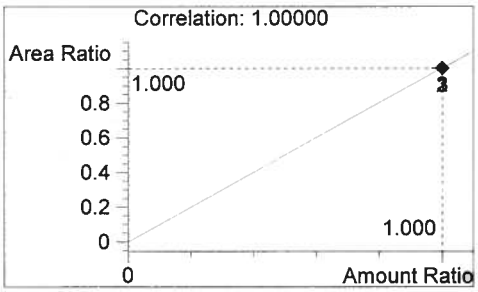


#	Compound	Area	RT
1	Ethanol	1071	1.069
2	n-Propanol	2540	1.754
Tot			

RF



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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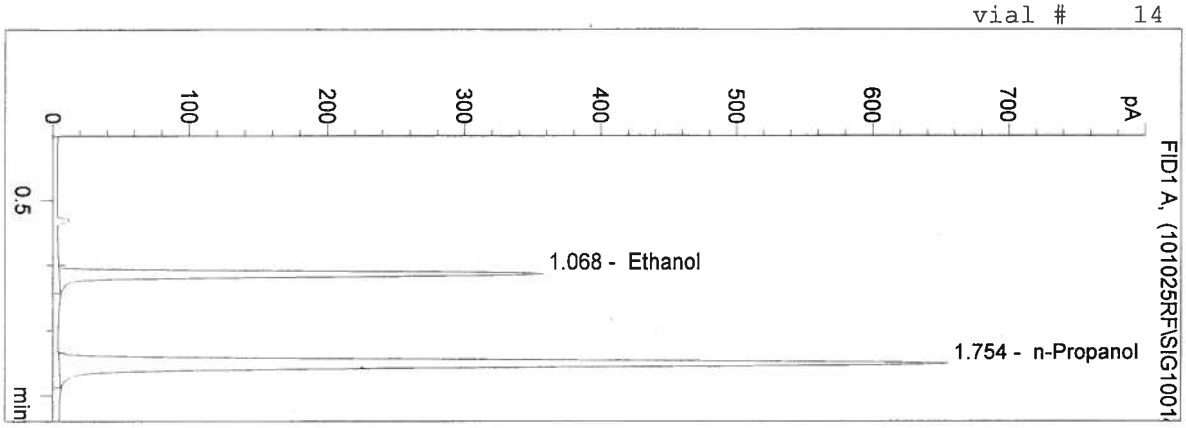
Instrument 1
DB ALC 1

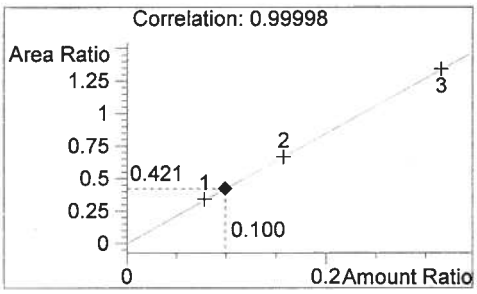
QAP0.08 10054 #5
Rebecca Flaherty

vial # 14

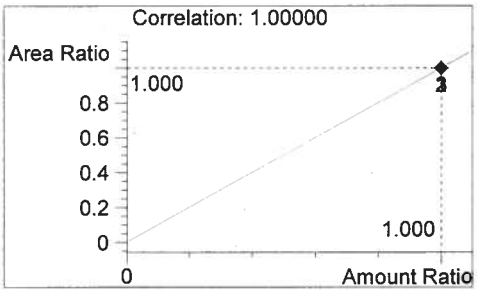


#	Compound	Area	RT
1	Ethanol	1081	1.068
2	n-Propanol	2565	1.754
Tot			

RF



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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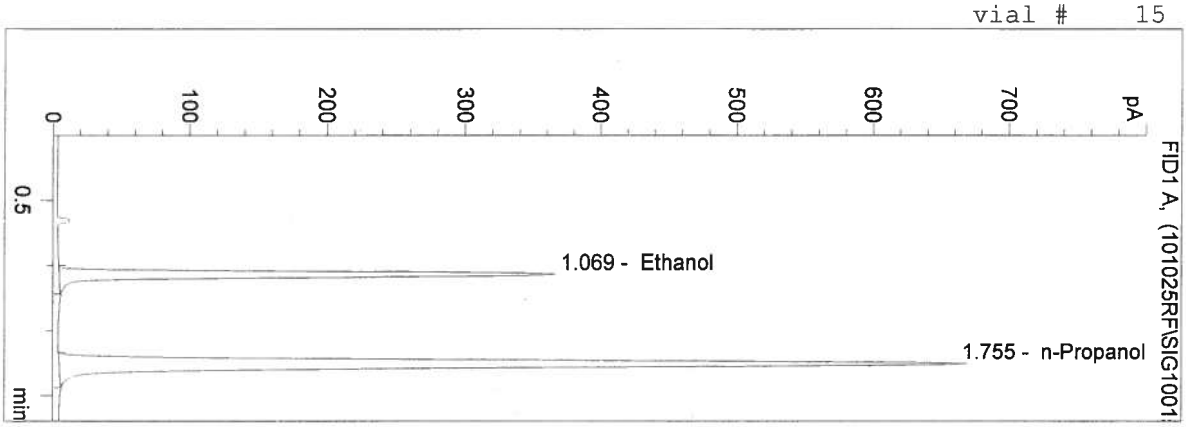
10/25/2010 4:23:21 PM
Instrument 1
DB ALC 1

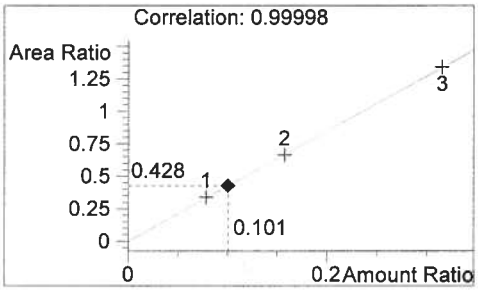
0.10 CONTROL-RF
Rebecca Flaherty

vial # 15

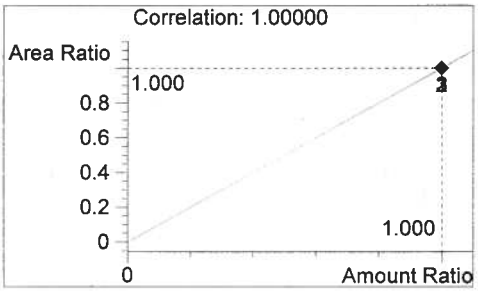


#	Compound	Area	RT
1	Ethanol	1119	1.069
2	n-Propanol	2617	1.755
Tot			

RF



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

10054

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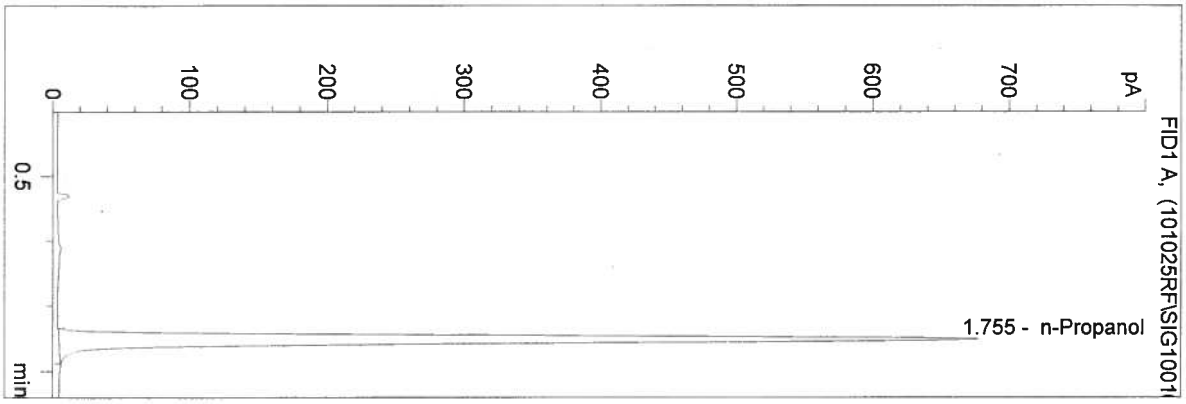
10/25/2010 4:26:26 PM
Instrument 1
DB ALC 1

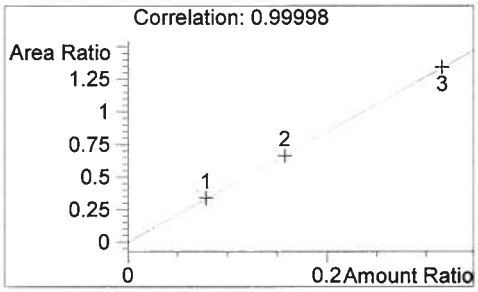
NEG CONTROL-RF
Rebecca Flaherty

vial # 16

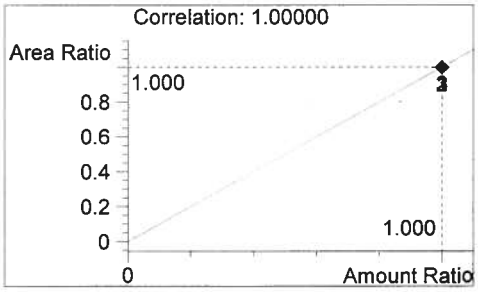


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2657	1.755
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10054

Sequence Parameters:

Operator:	Sarah Swenson
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	101026SS
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

HEADSPACE ERROR: VIAL 2 NOT FOUND. RESTARTED RUN AT VIAL 2.

SMS
10/26/10

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-SS	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-SS	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-SS	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-SS	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL-SS	SIMALC	1	Ctrl Samp		
10	Vial 10	QAP 10054 #1	SIMALC	1	Sample		
11	Vial 11	QAP 10054 #2	SIMALC	1	Sample		
12	Vial 12	QAP 10054 #3	SIMALC	1	Sample		
13	Vial 13	QAP 10054 #4	SIMALC	1	Sample		
14	Vial 14	QAP 10054 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL-SS	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL-SS	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	

10054

SMS

Sequence Table (Back Injector):

No entries - empty table!

10054

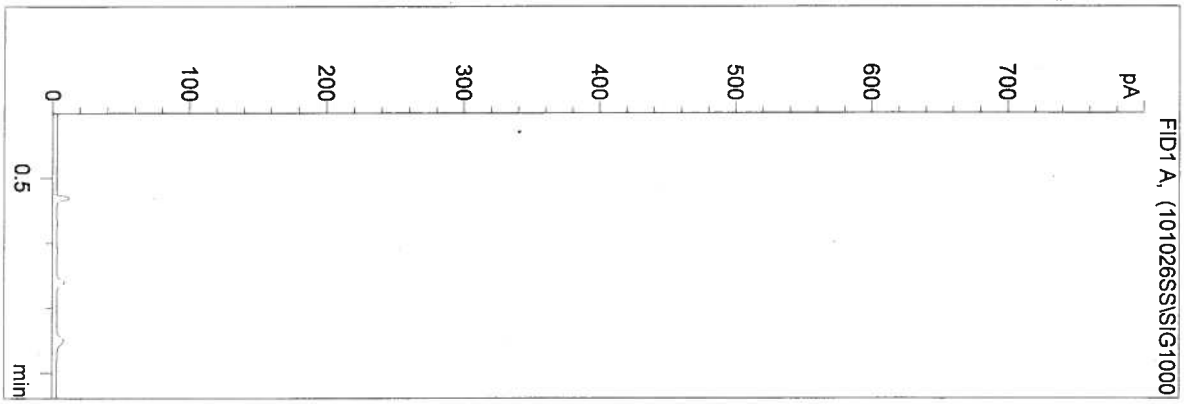
SWS

WASHINGTON STATE TOXICOLOGY LABORATORY

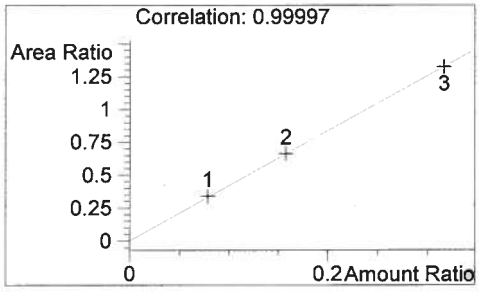
C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 3:04:27 PM
Instrument 1
DB ALC 1

BLANK
Sarah Swenson

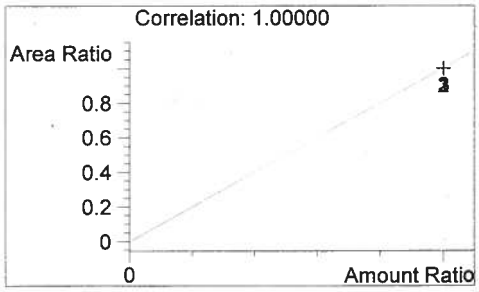
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

10054

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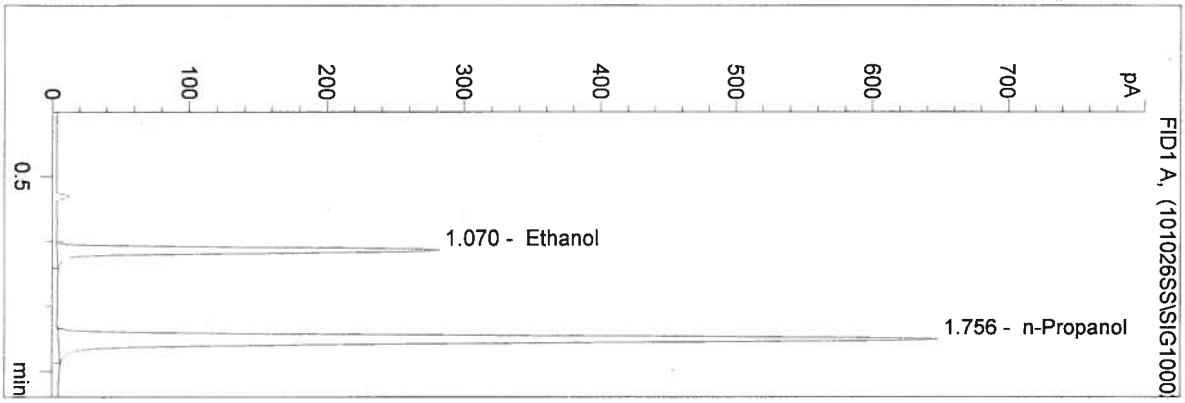
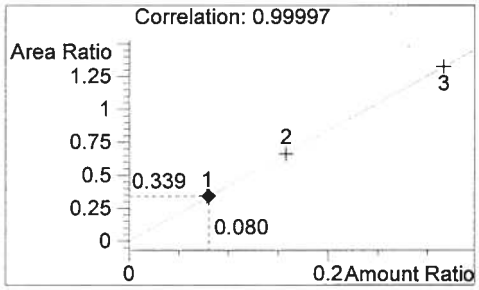
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 4:11:02 PM
Instrument 1
DB ALC 1

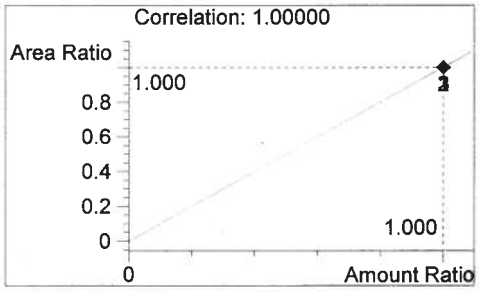
0.079 CAL 1
Sarah Swenson
vial # 2



#	Compound	Area	RT
1	Ethanol	862	1.070
2	n-Propanol	2544	1.756
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

10054

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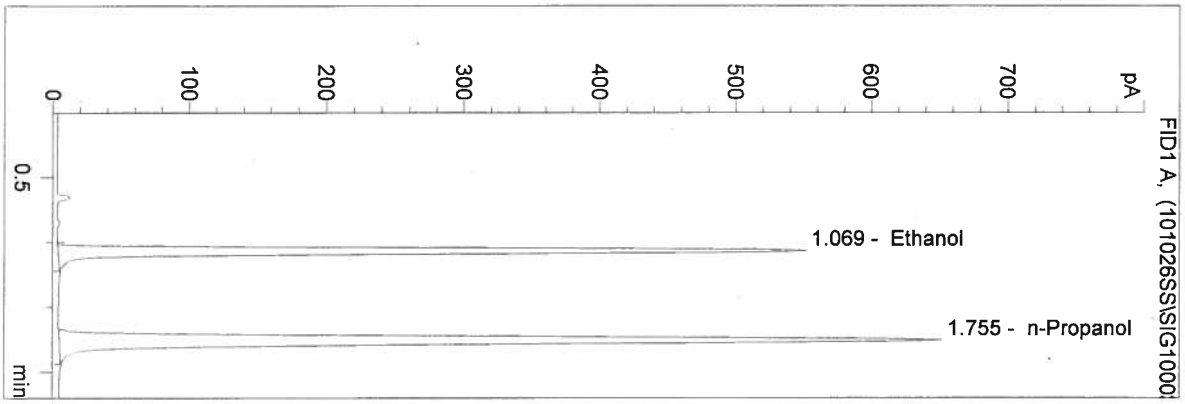
WASHINGTON STATE TOXICOLOGY LABORATORY

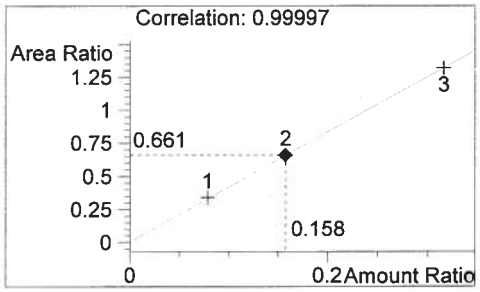
C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 4:14:06 PM
Instrument 1
DB ALC 1

0.158 CAL 2
Sarah Swenson

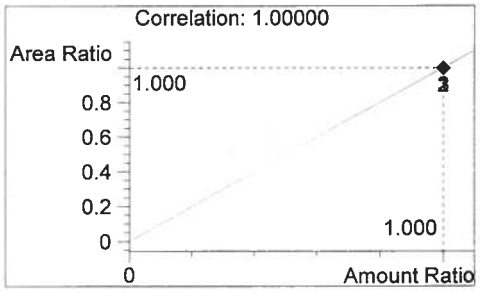
vial # 3



#	Compound	Area	RT
1	Ethanol	1687	1.069
2	n-Propanol	2552	1.755
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

10054

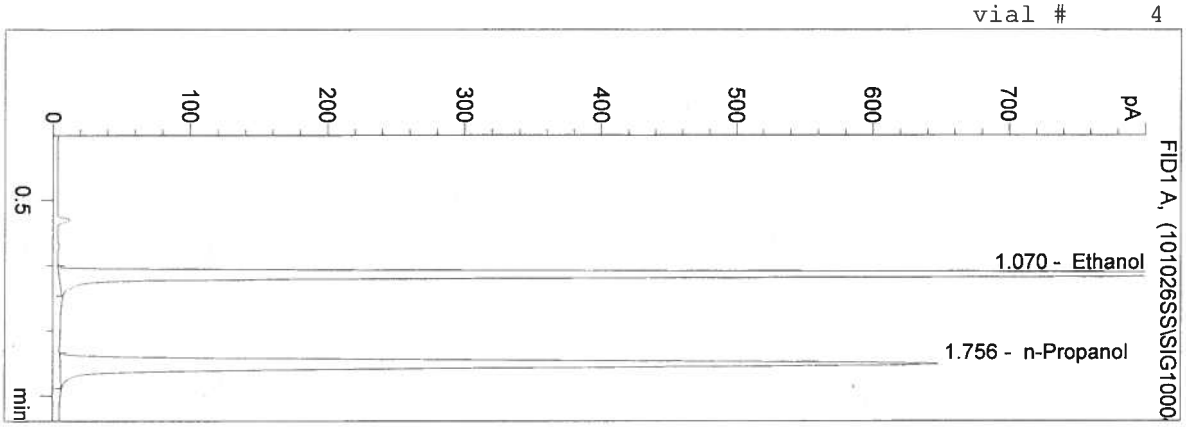
SJS

WASHINGTON STATE TOXICOLOGY LABORATORY

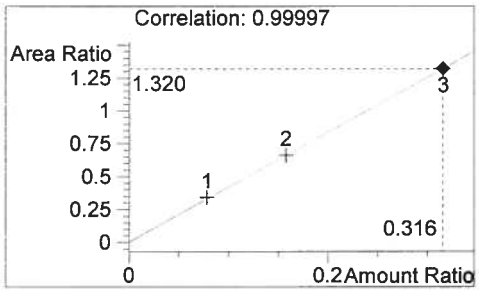
C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 4:17:11 PM
Instrument 1
DB ALC 1

0.316 CAL 3
Sarah Swenson

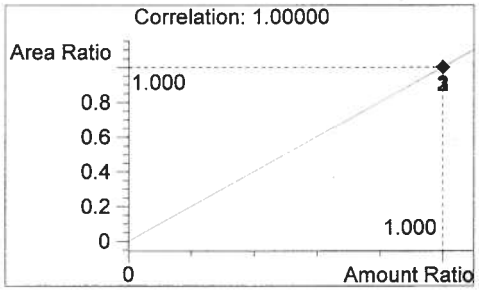
vial # 4



#	Compound	Area	RT
1	Ethanol	3348	1.070
2	n-Propanol	2536	1.756
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

10054

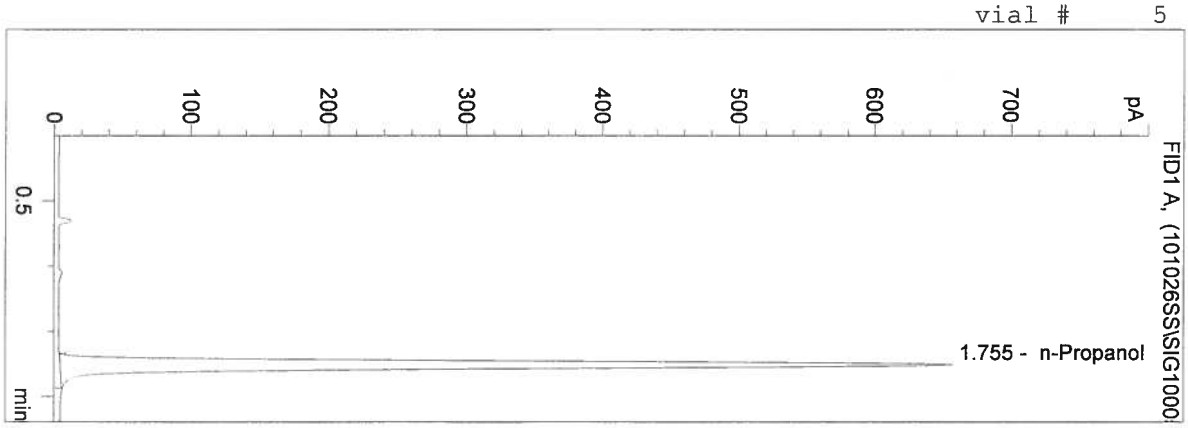
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

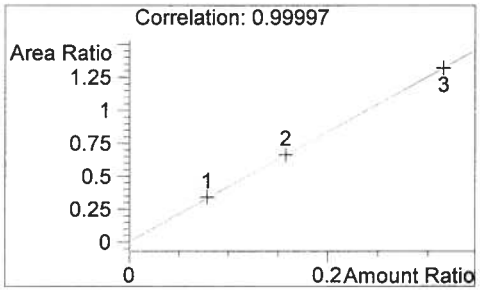
C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 4:20:16 PM
Instrument 1
DB ALC 1

NEG CTRL-SS
Sarah Swenson

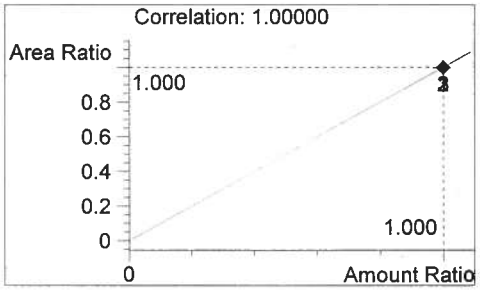
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2586	1.755
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10054

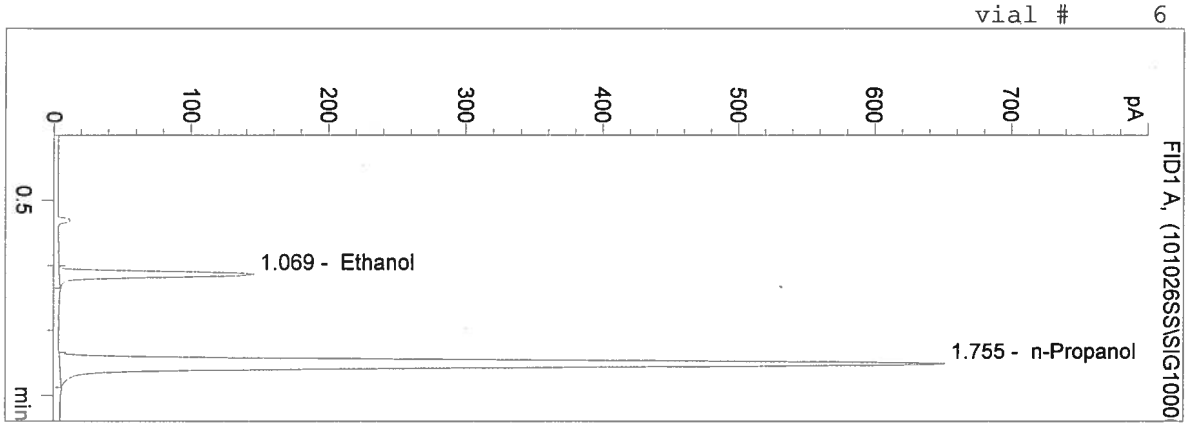
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

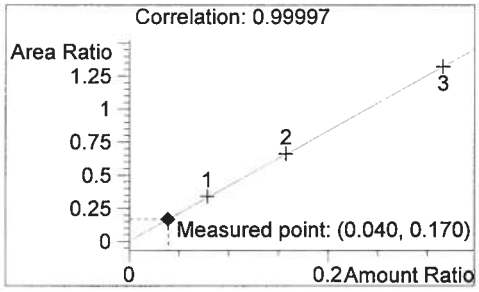
C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 4:23:21 PM
Instrument 1
DB ALC 1

0.04 CTRL-SS
Sarah Swenson

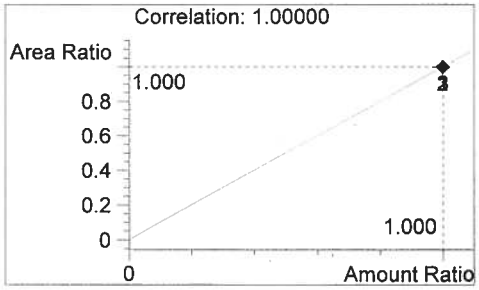
vial # 6



#	Compound	Area	RT
1	Ethanol	433	1.069
2	n-Propanol	2551	1.755
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

10054

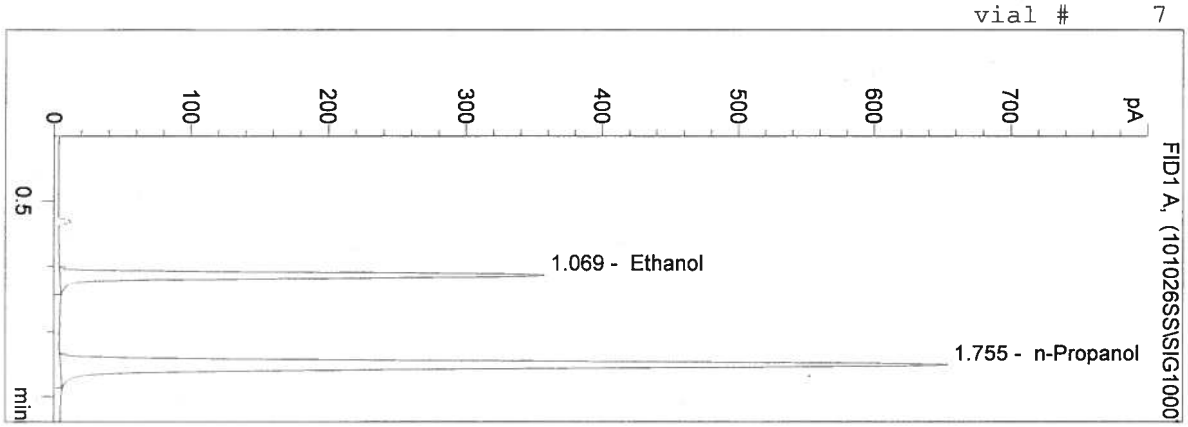
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

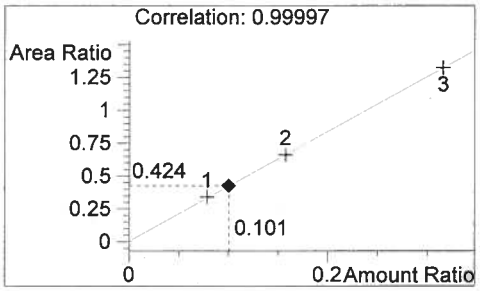
C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 4:26:26 PM
Instrument 1
DB ALC 1

0.10 CTRL-SS
Sarah Swenson

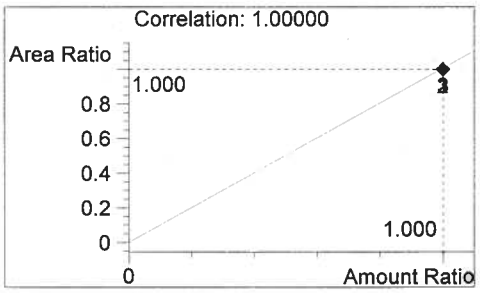
vial # 7



#	Compound	Area	RT
1	Ethanol	1090	1.069
2	n-Propanol	2569	1.755
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

10054

SS

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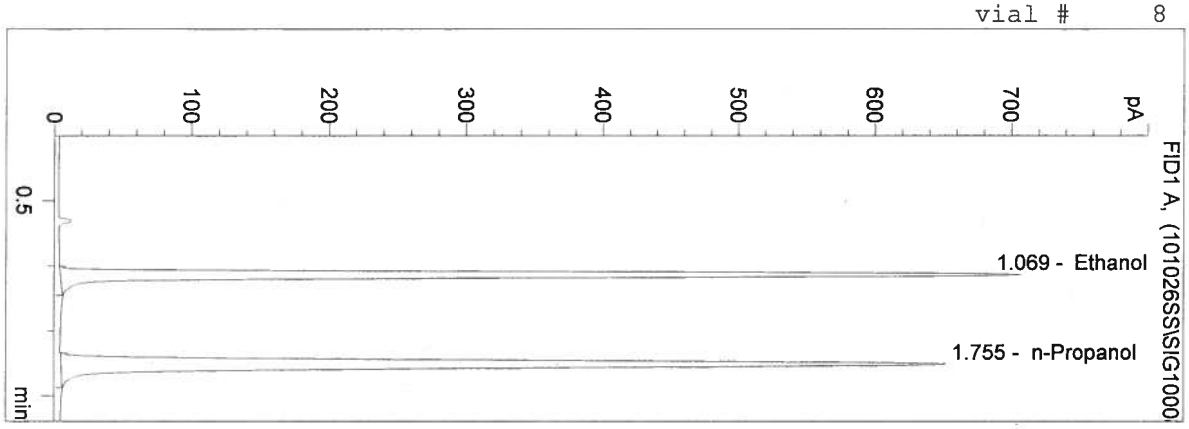
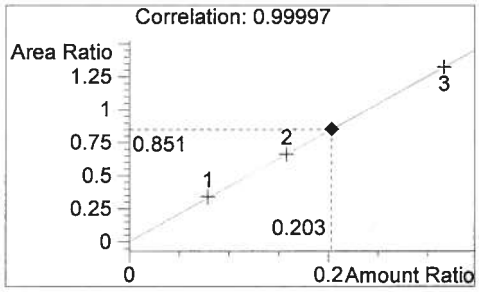
C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 4:29:30 PM
Instrument 1
DB ALC 1

0.20 CTRL-SS
Sarah Swenson

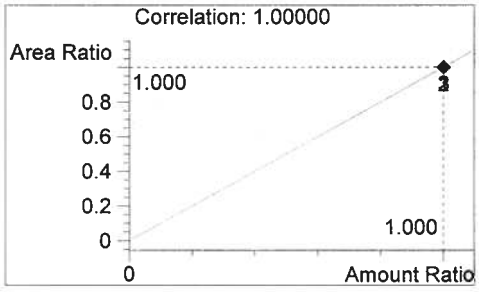
vial # 8



#	Compound	Area	RT
1	Ethanol	2174	1.069
2	n-Propanol	2556	1.755
Tot			



Ethanol 0.203 g/100 mL



n-Propanol 1.000 g/100 mL

10054

SMS

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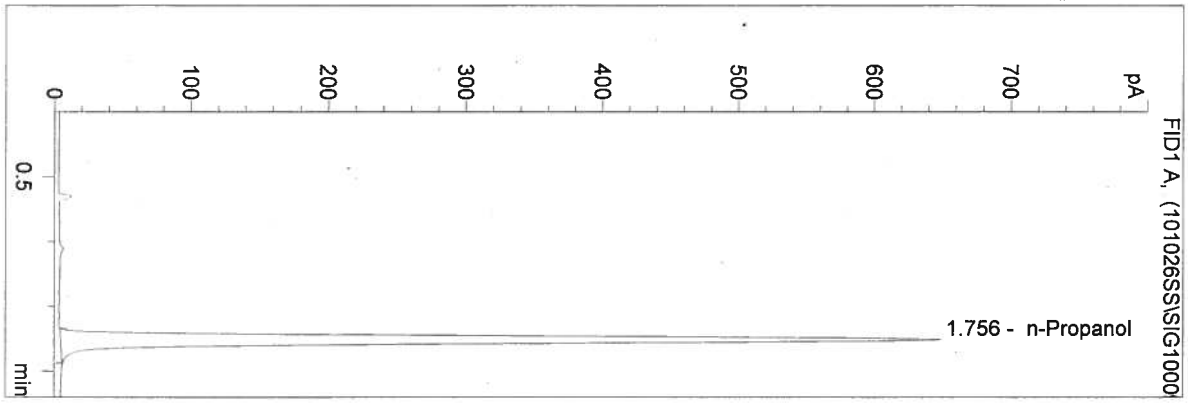
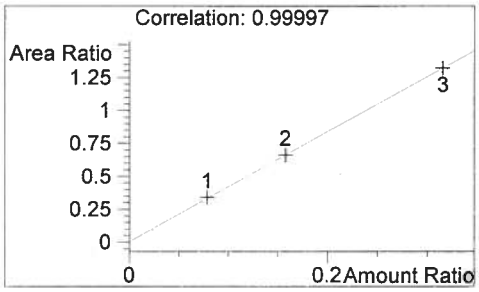
10/26/2010 4:32:35 PM
Instrument 1
DB ALC 1

NEG CTRL-SS
Sarah Swenson

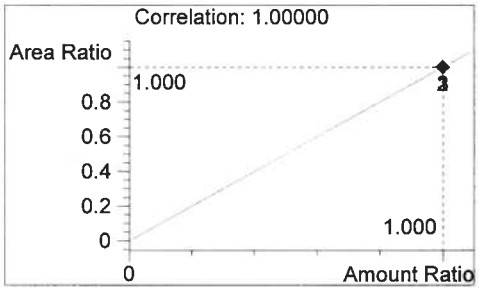
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2547	1.756
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10054

SJS

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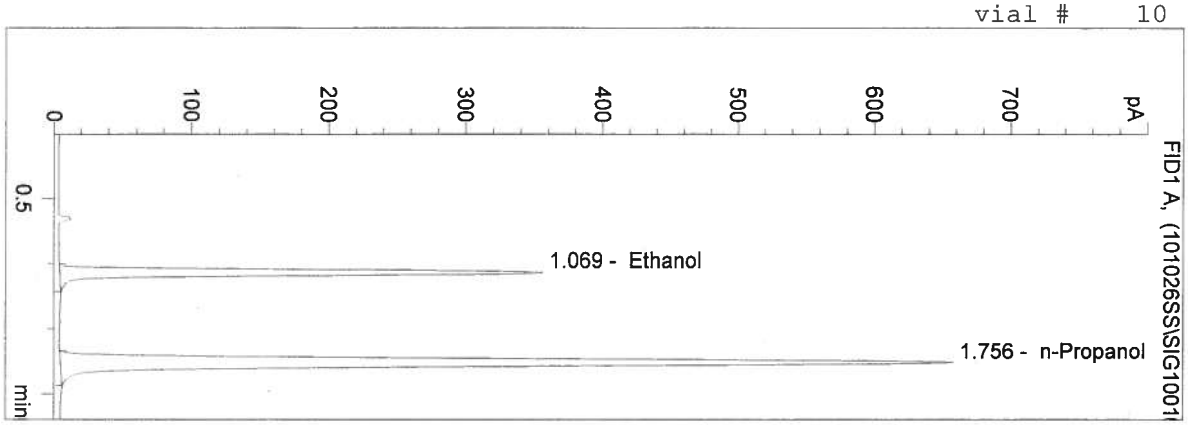
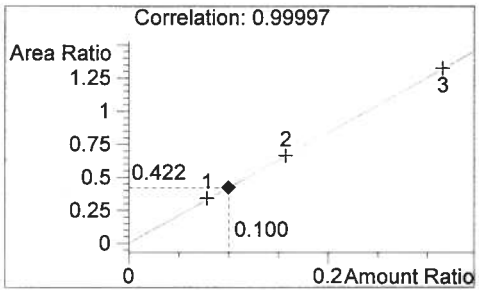
10/26/2010 4:35:40 PM
Instrument 1
DB ALC 1

QAP 10054 #1
Sarah Swenson

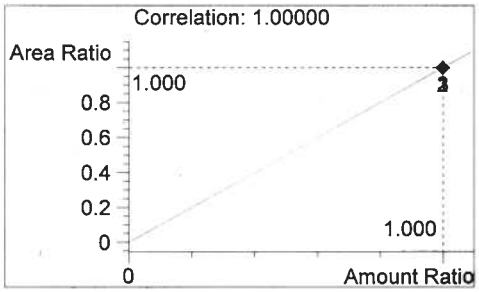
vial # 10



#	Compound	Area	RT
1	Ethanol	1088	1.069
2	n-Propanol	2578	1.756
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

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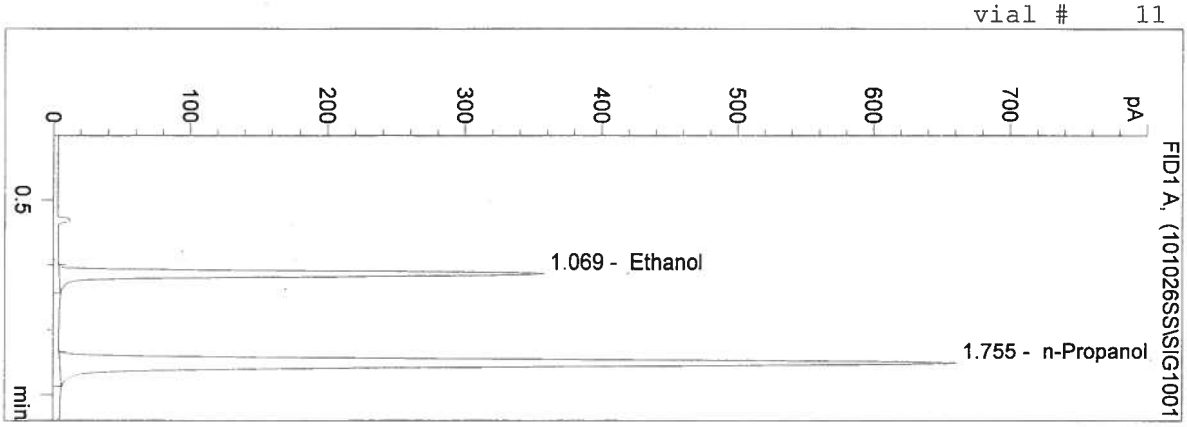
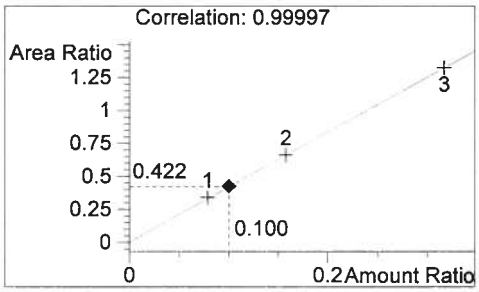
10/26/2010 4:38:45 PM
Instrument 1
DB ALC 1

QAP 10054 #2
Sarah Swenson

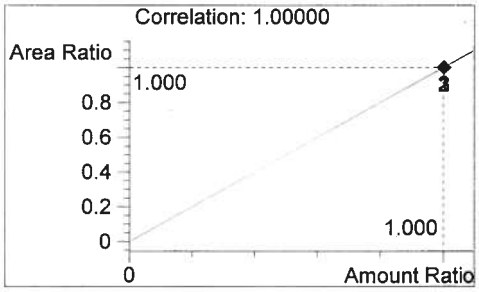
vial # 11



#	Compound	Area	RT
1	Ethanol	1092	1.069
2	n-Propanol	2589	1.755
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

SKS

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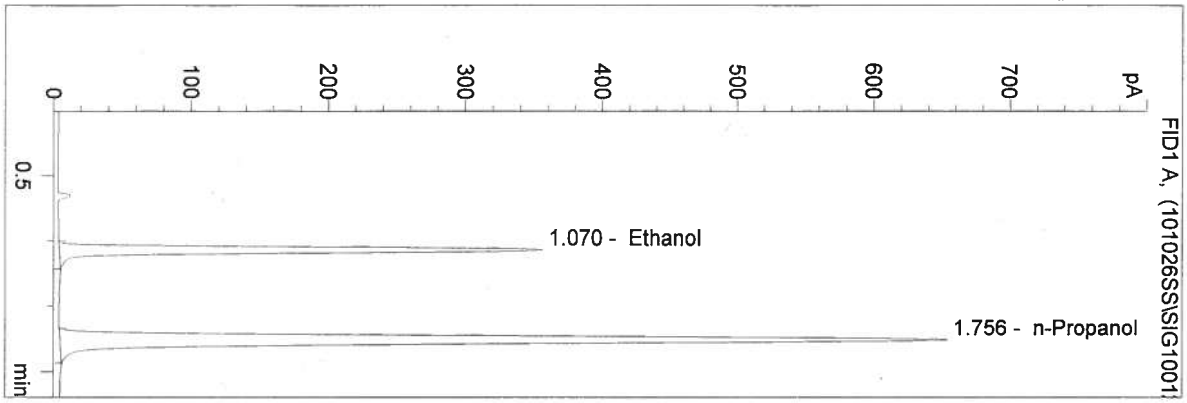
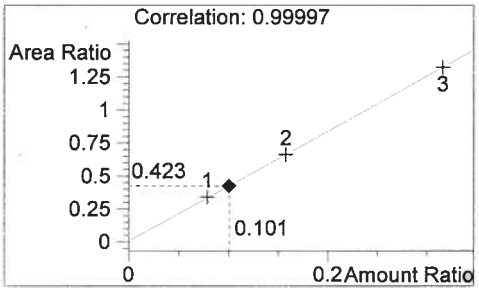
10/26/2010 4:41:49 PM
Instrument 1
DB ALC 1

QAP 10054 #3
Sarah Swenson

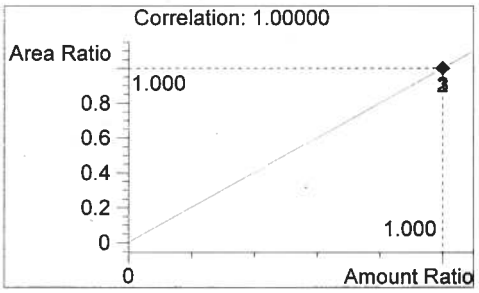
vial # 12



#	Compound	Area	RT
1	Ethanol	1086	1.070
2	n-Propanol	2564	1.756
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

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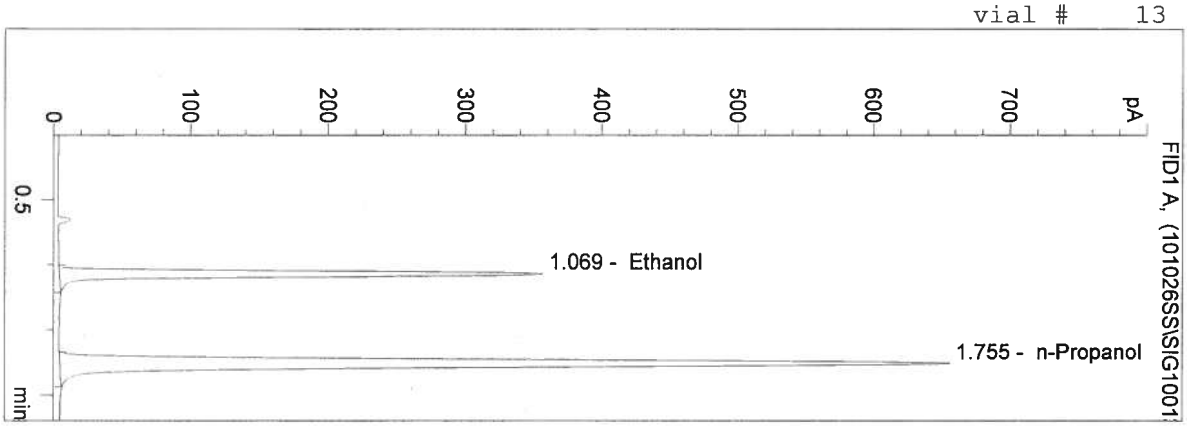
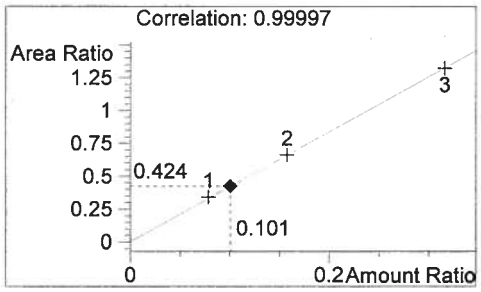
10/26/2010 4:44:54 PM
Instrument 1
DB ALC 1

QAP 10054 #4
Sarah Swenson

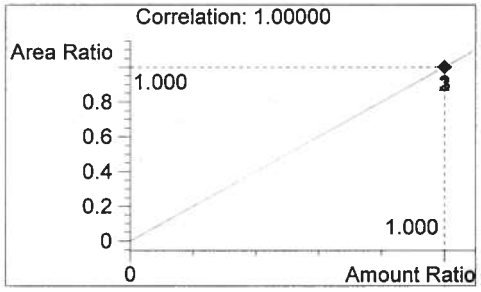
vial # 13



#	Compound	Area	RT
1	Ethanol	1089	1.069
2	n-Propanol	2571	1.755
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

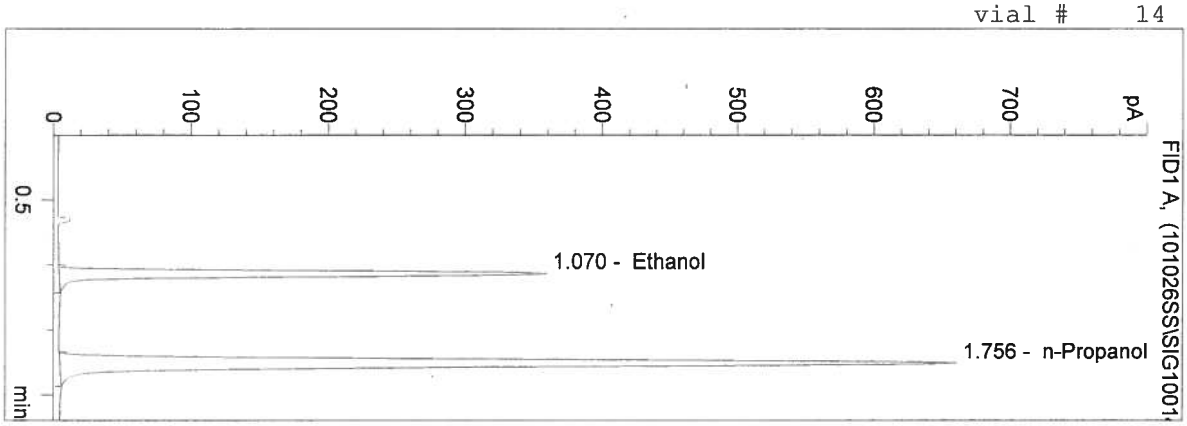
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

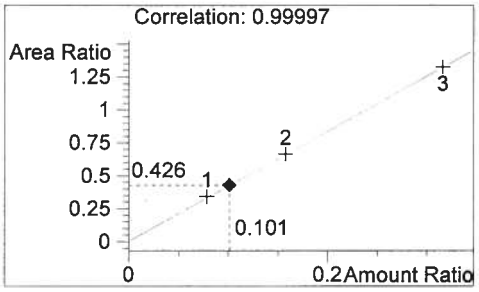
C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 4:47:59 PM
Instrument 1
DB ALC 1

QAP 10054 #5
Sarah Swenson

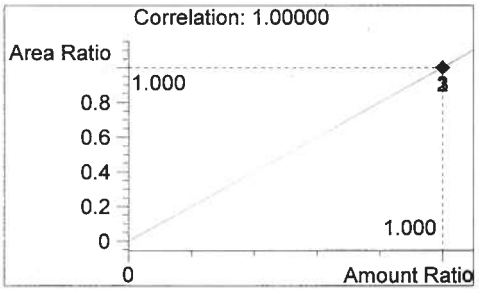
vial # 14



#	Compound	Area	RT
1	Ethanol	1102	1.070
2	n-Propanol	2587	1.756
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

SJS

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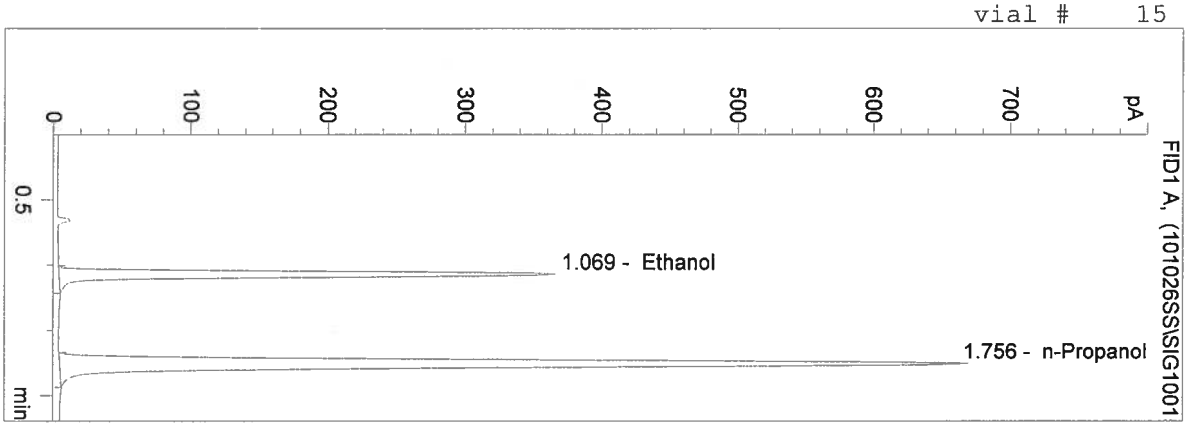
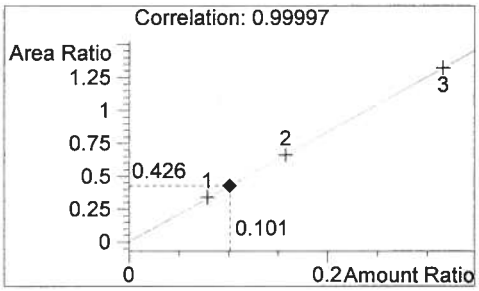
C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 4:51:04 PM
Instrument 1
DB ALC 1

0.10 CTRL-SS
Sarah Swenson

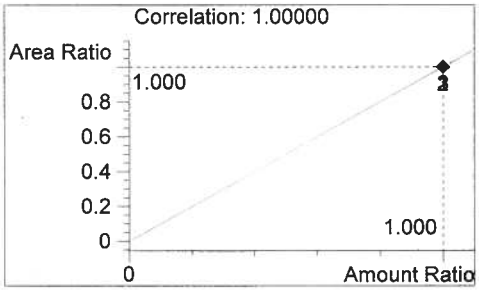
vial # 15



#	Compound	Area	RT
1	Ethanol	1118	1.069
2	n-Propanol	2623	1.756
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

10054

SJS

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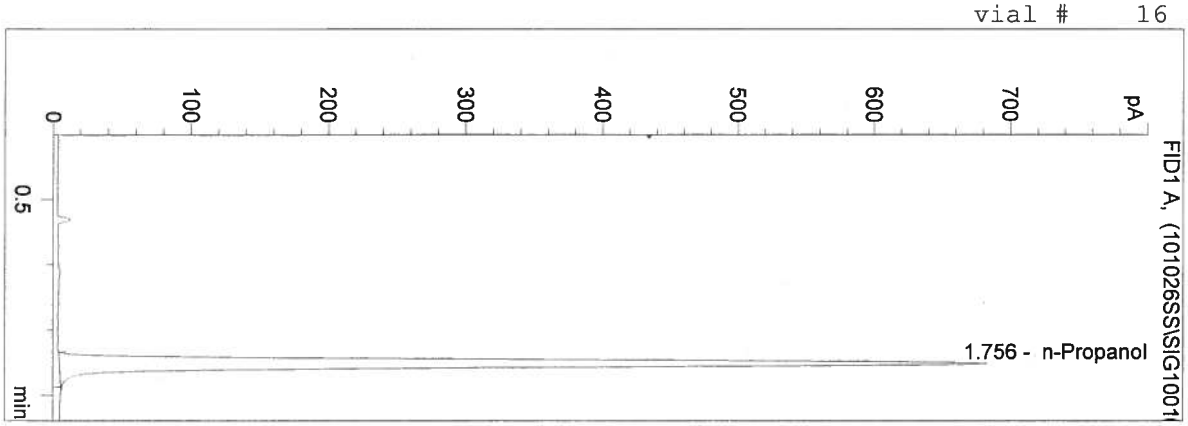
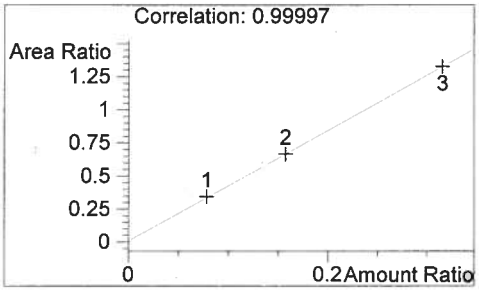
C:\HPCHEM\1\METHODS\SIMALC.M
10/26/2010 4:54:09 PM
Instrument 1
DB ALC 1

NEG CTRL-SS
Sarah Swenson

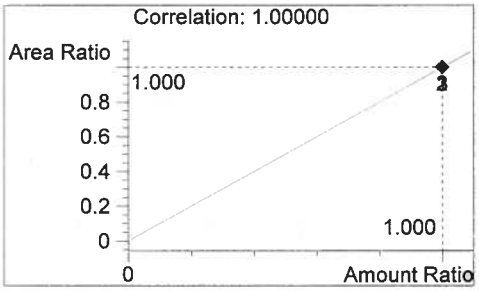
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2677	1.756
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10054

SMS

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:	101028BP
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	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	QAP 10054 #1	SIMALC	1	Sample		
11	Vial 11	QAP 10054 #2	SIMALC	1	Sample		
12	Vial 12	QAP 10054 #3	SIMALC	1	Sample		
13	Vial 13	QAP 10054 #4	SIMALC	1	Sample		
14	Vial 14	QAP 10054 #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		

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	

10054

Sequence Table (Back Injector):

No entries - empty table!

BP

10054

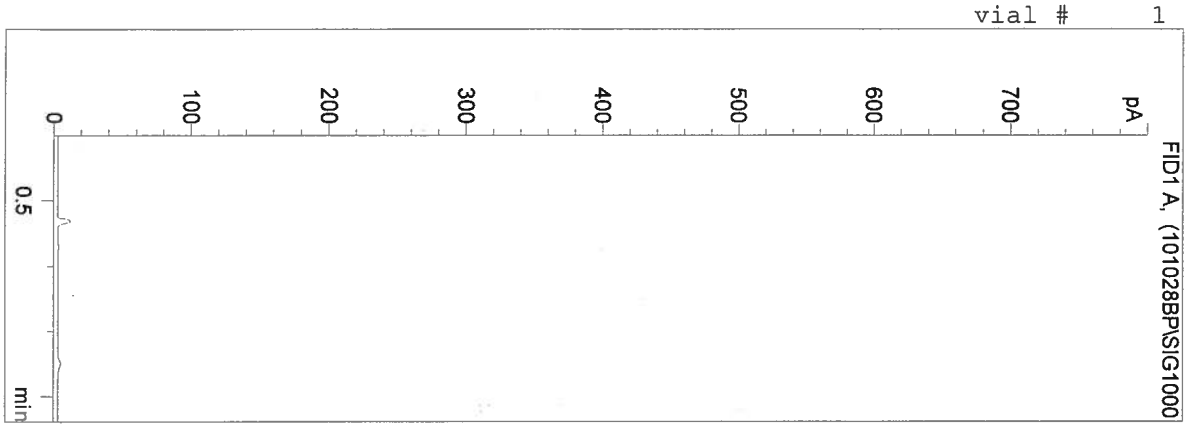
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

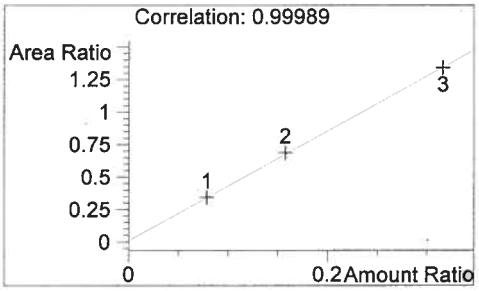
C:\HPCHEM\1\METHODS\SIMALC.M
10/28/2010 11:45:19 AM
Instrument 1
DB ALC 1

BLANK
Brianna Peterson

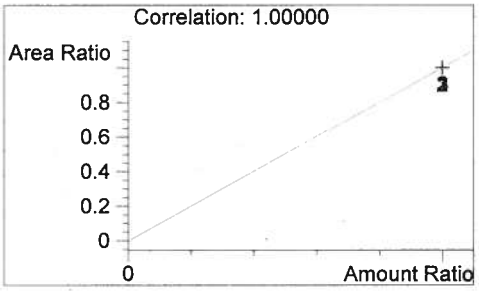
vial # 1



#	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

BP

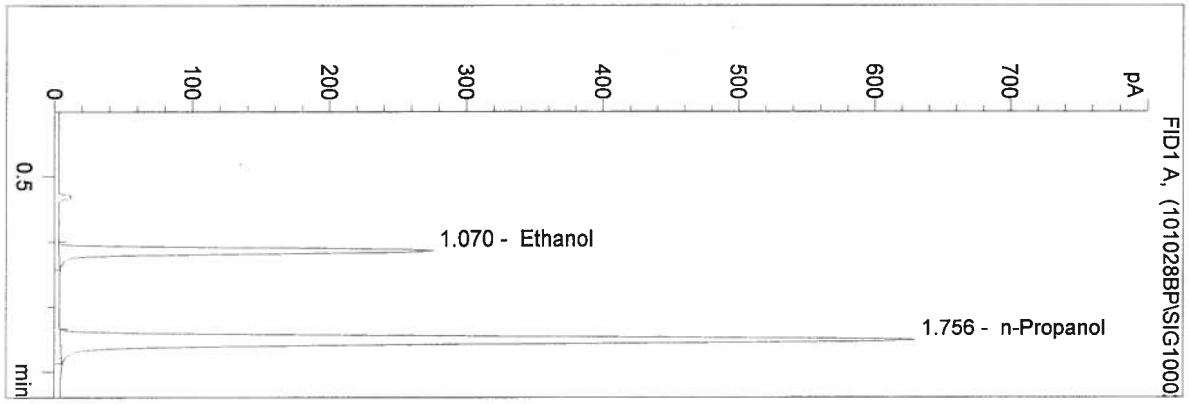
10054

WASHINGTON STATE TOXICOLOGY LABORATORY

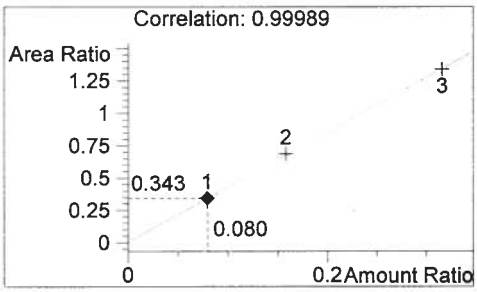
C:\HPCHEM\1\METHODS\SIMALC.M
10/28/2010 11:48:24 AM
Instrument 1
DB ALC 1

0.079 CAL 1
Brianna Peterson

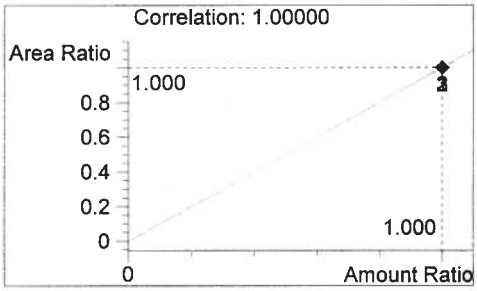
vial # 2



#	Compound	Area	RT
1	Ethanol	848	1.070
2	n-Propanol	2473	1.756
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

BS

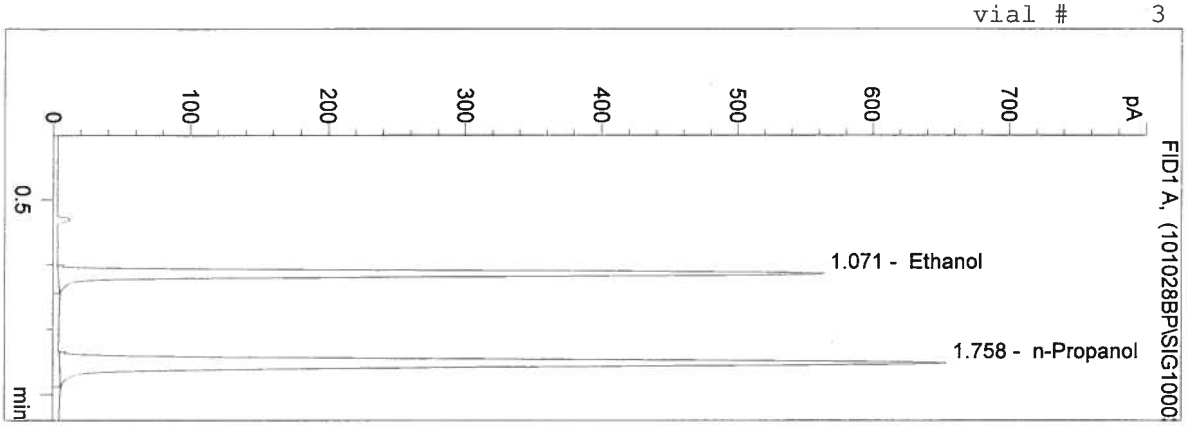
10054

WASHINGTON STATE TOXICOLOGY LABORATORY

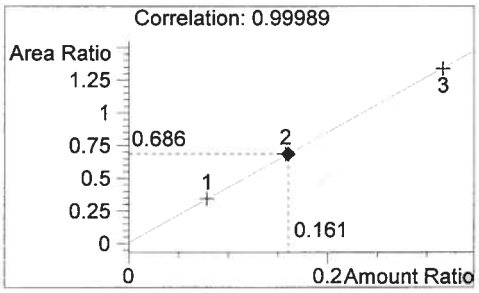
C:\HPCHEM\1\METHODS\SIMALC.M
10/28/2010 11:51:29 AM
Instrument 1
DB ALC 1

0.158 CAL 2
Brianna Peterson

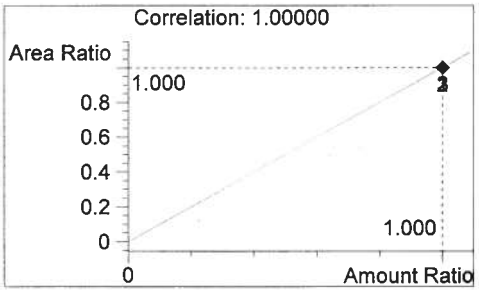
vial # 3



#	Compound	Area	RT
1	Ethanol	1771	1.071
2	n-Propanol	2582	1.758
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

10054

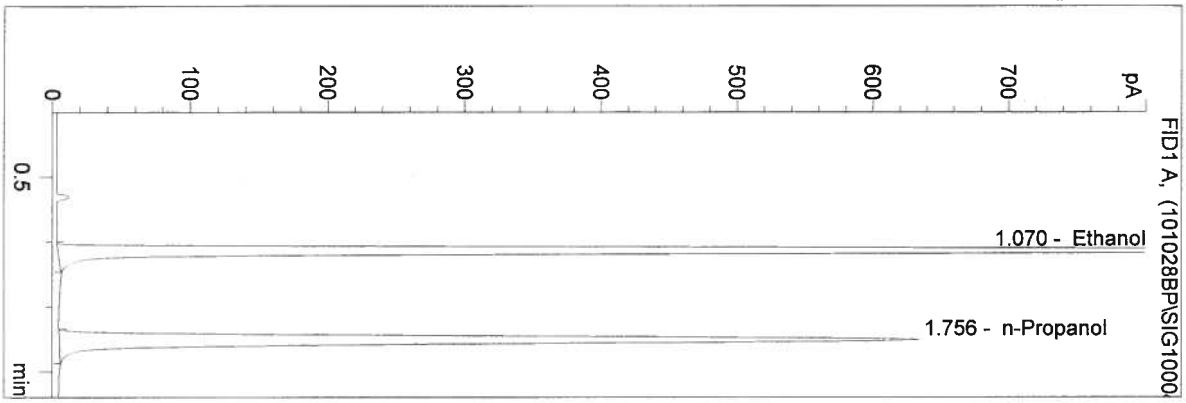
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

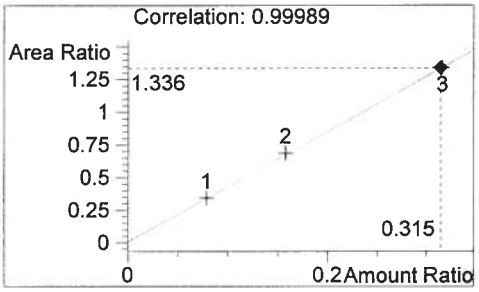
C:\HPCHEM\1\METHODS\SIMALC.M
10/28/2010 11:54:33 AM
Instrument 1
DB ALC 1

0.316 CAL 3
Brianna Peterson

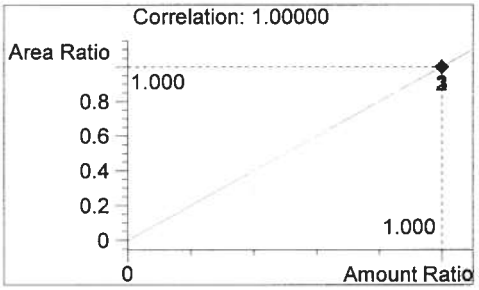
vial # 4



#	Compound	Area	RT
1	Ethanol	3322	1.070
2	n-Propanol	2486	1.756
Tot			



Ethanol 0.315 g/100 mL



n-Propanol 1.000 g/100 mL

10054

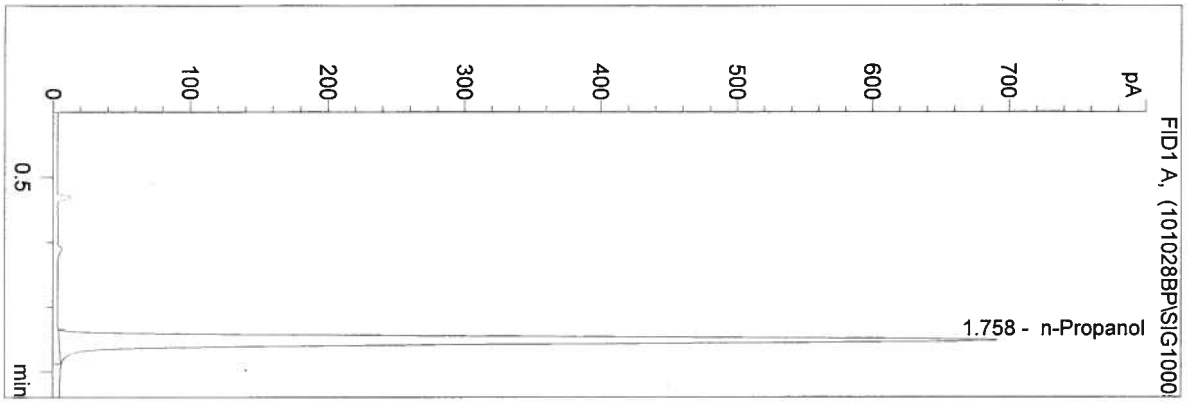
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

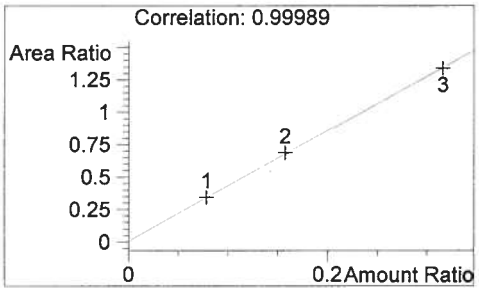
C:\HPCHEM\1\METHODS\SIMALC.M
10/28/2010 11:57:38 AM
Instrument 1
DB ALC 1

NEG CTRL-BP
Brianna Peterson

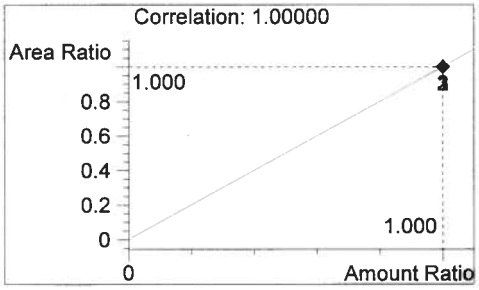
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2729	1.758
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10054

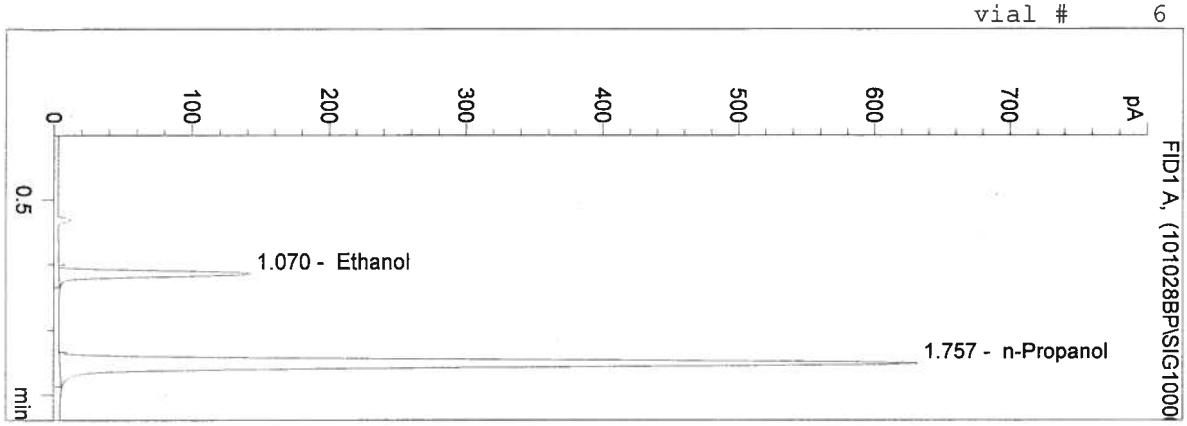
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

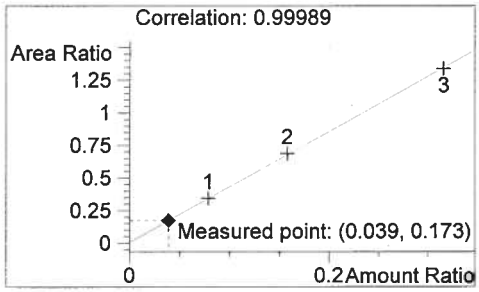
C:\HPCHEM\1\METHODS\SIMALC.M
10/28/2010 12:00:43 PM
Instrument 1
DB ALC 1

0.04 CTRL-BP
Brianna Peterson

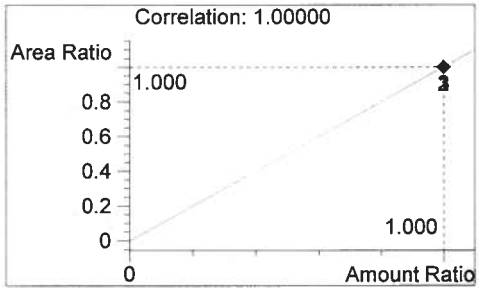
vial # 6



#	Compound	Area	RT
1	Ethanol	431	1.070
2	n-Propanol	2487	1.757
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

10054

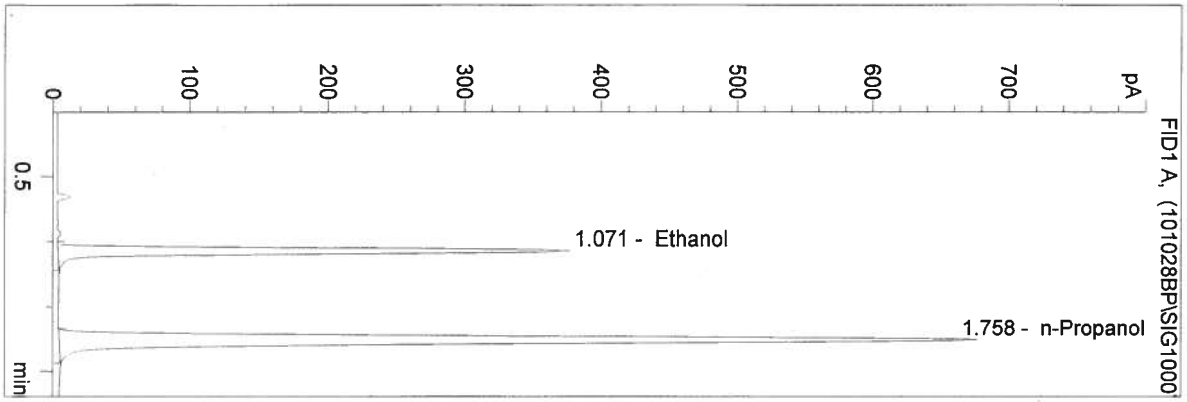
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

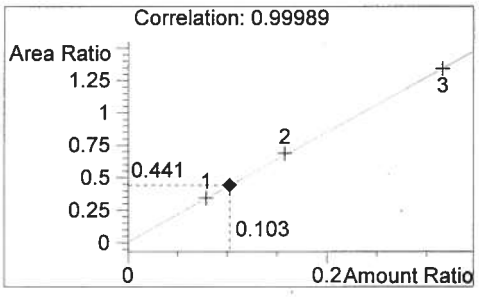
C:\HPCHEM\1\METHODS\SIMALC.M
10/28/2010 12:03:47 PM
Instrument 1
DB ALC 1

0.10 CTRL-BP
Brianna Peterson

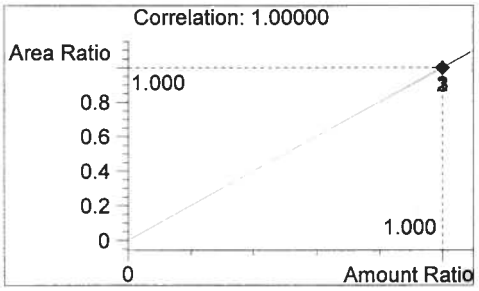
vial # 7



#	Compound	Area	RT
1	Ethanol	1178	1.071
2	n-Propanol	2669	1.758
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

10054

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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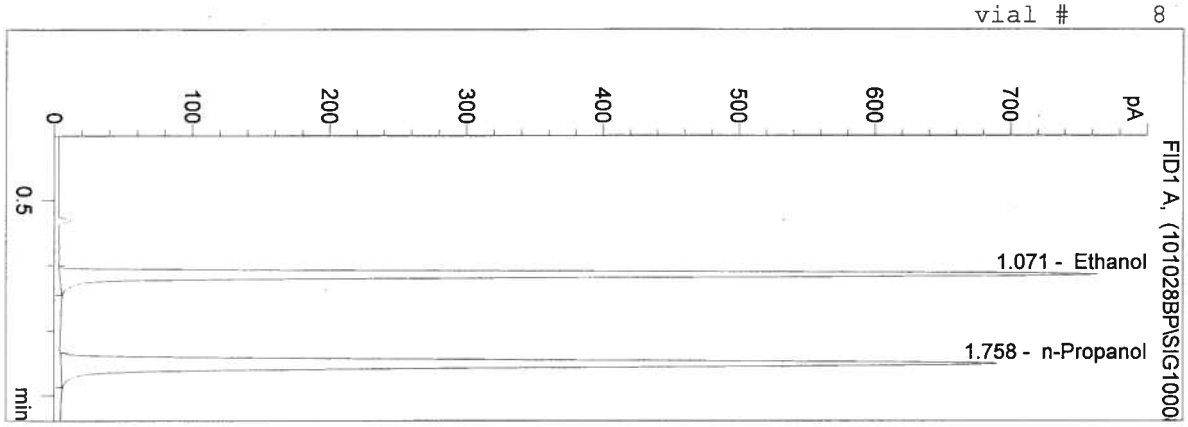
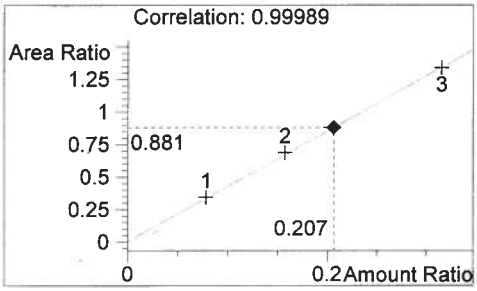
10/28/2010 12:06:52 PM
Instrument 1
DB ALC 1

0.20 CTRL-BP
Brianna Peterson

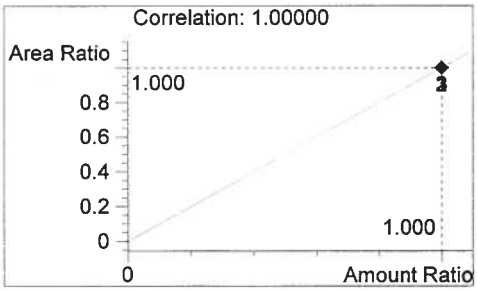
vial # 8



#	Compound	Area	RT
1	Ethanol	2390	1.071
2	n-Propanol	2714	1.758
Tot			



Ethanol 0.207 g/100 mL



n-Propanol 1.000 g/100 mL

10054

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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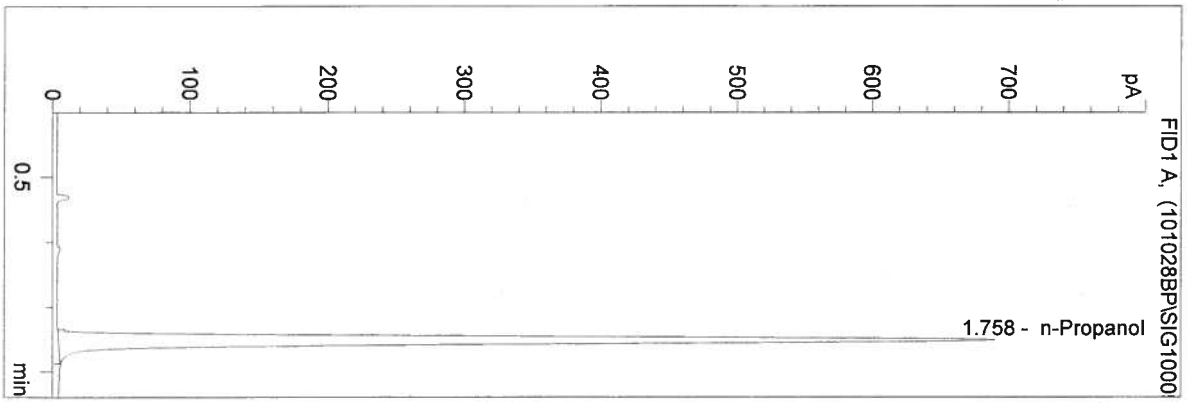
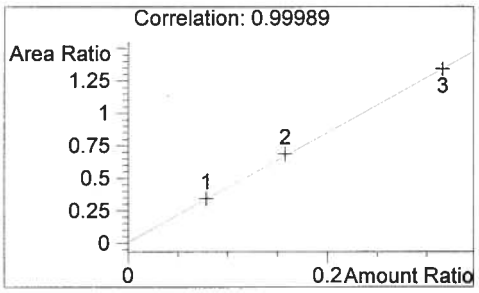
Instrument 1
DB ALC 1

NEG CTRL-BP
Brianna Peterson

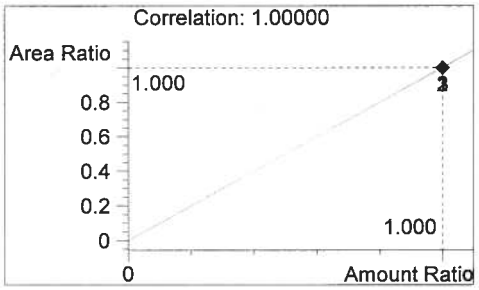
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2721	1.758
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10054

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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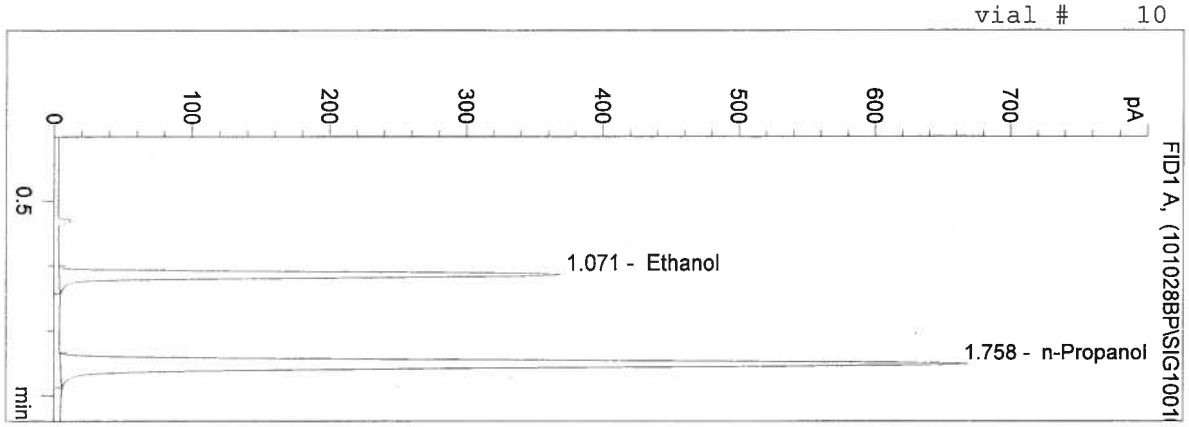
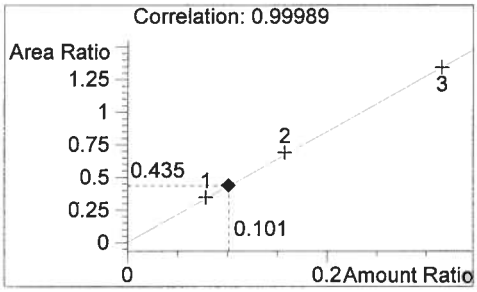
Instrument 1
DB ALC 1

QAP 10054 #1
Brianna Peterson

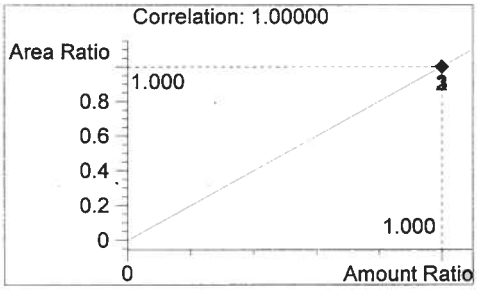
vial # 10



#	Compound	Area	RT
1	Ethanol	1150	1.071
2	n-Propanol	2643	1.758
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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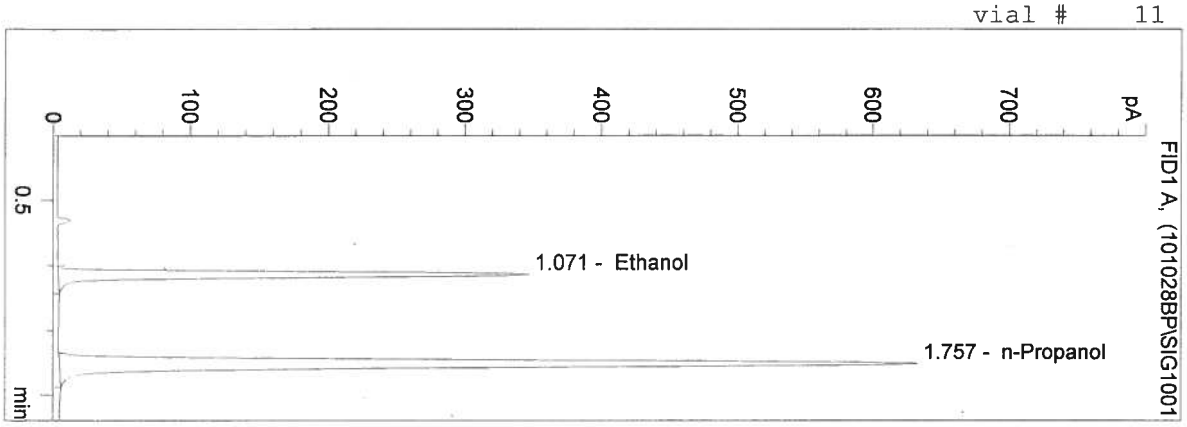
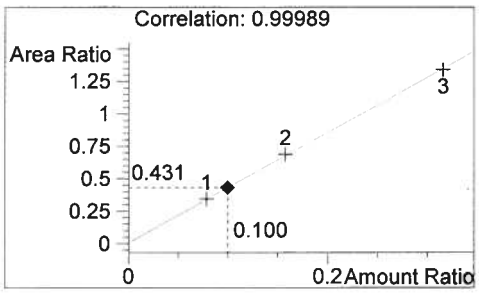
Instrument 1
DB ALC 1

QAP 10054 #2
Brianna Peterson

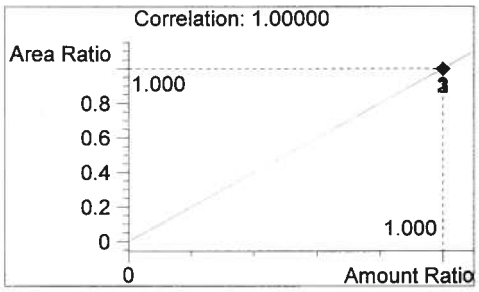
vial # 11



#	Compound	Area	RT
1	Ethanol	1073	1.071
2	n-Propanol	2492	1.757
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

BG

WASHINGTON STATE TOXICOLOGY LABORATORY

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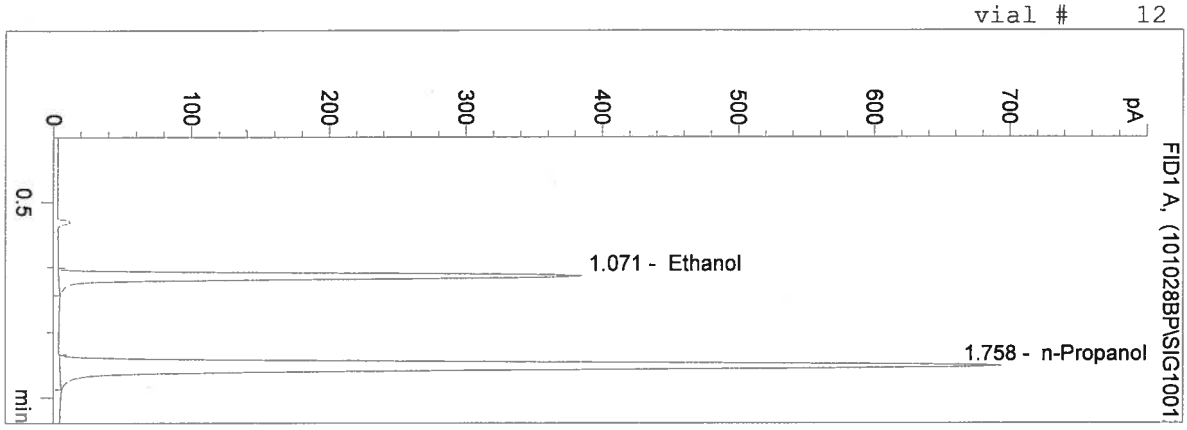
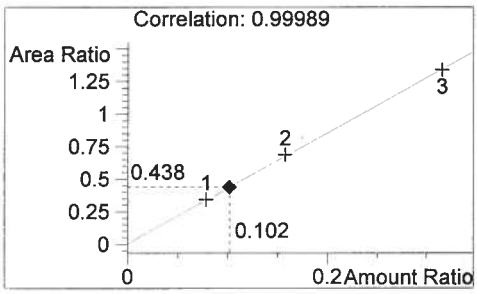
10/28/2010 12:19:11 PM
Instrument 1
DB ALC 1

QAP 10054 #3
Brianna Peterson

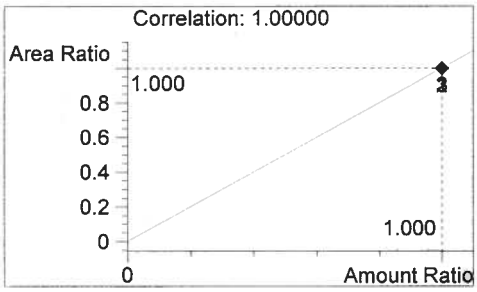
vial # 12



#	Compound	Area	RT
1	Ethanol	1199	1.071
2	n-Propanol	2737	1.758
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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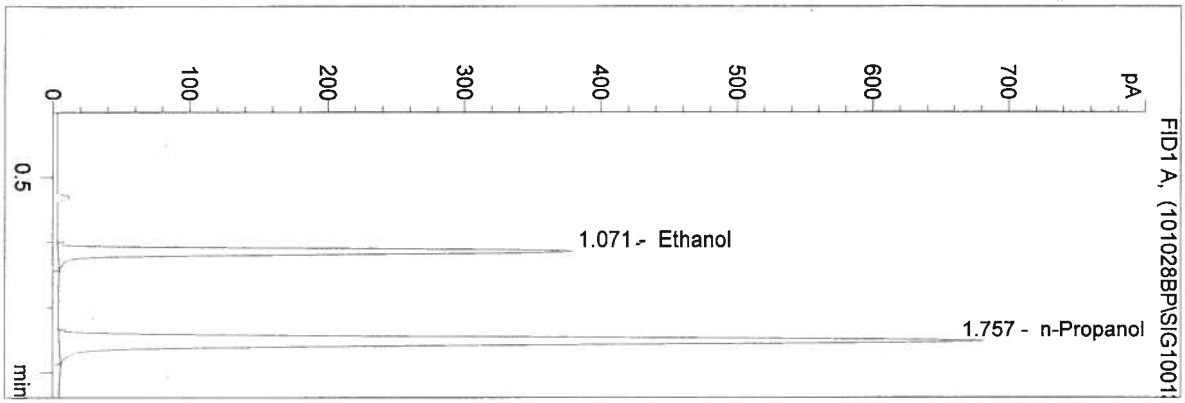
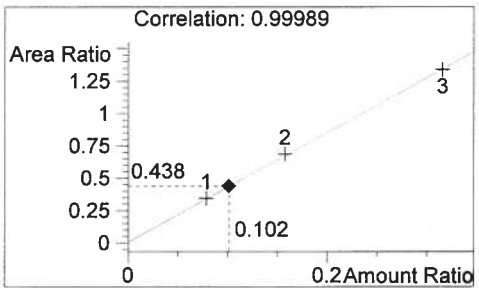
10/28/2010 12:22:16 PM
Instrument 1
DB ALC 1

QAP 10054 #4
Brianna Peterson

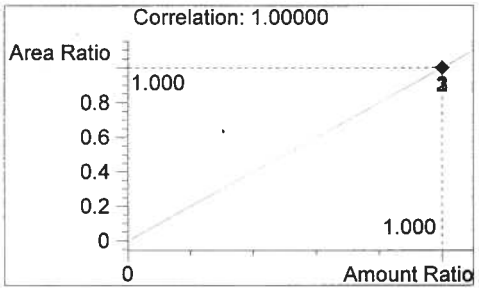
vial # 13



#	Compound	Area	RT
1	Ethanol	1175	1.071
2	n-Propanol	2685	1.757
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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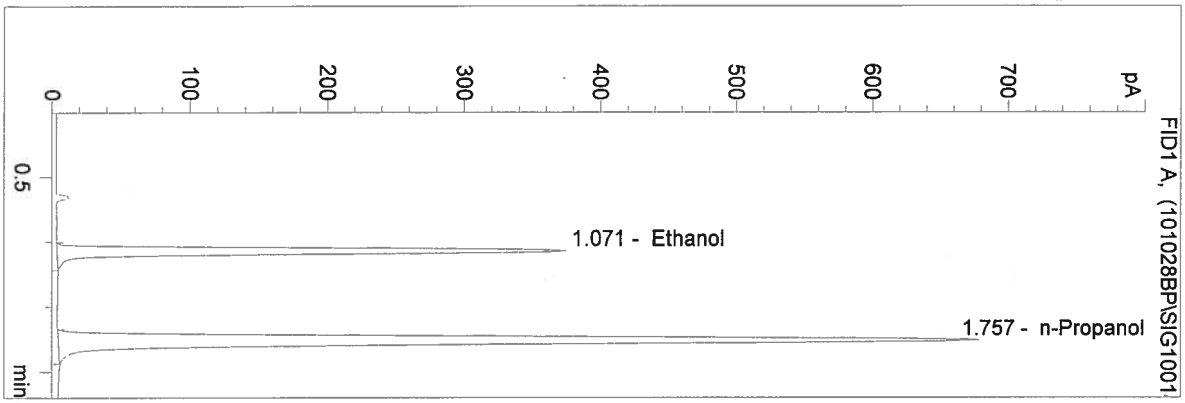
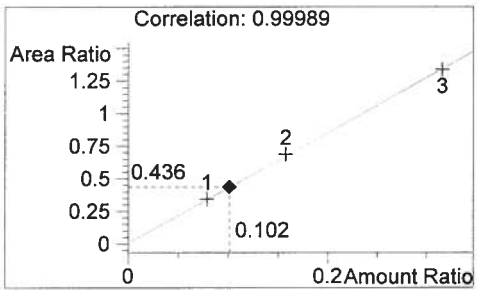
10/28/2010 12:25:21 PM
Instrument 1
DB ALC 1

QAP 10054 #5
Brianna Peterson

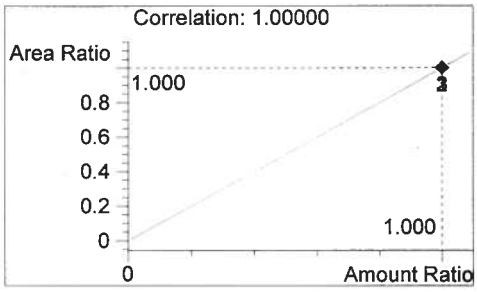
vial # 14



#	Compound	Area	RT
1	Ethanol	1163	1.071
2	n-Propanol	2669	1.757
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

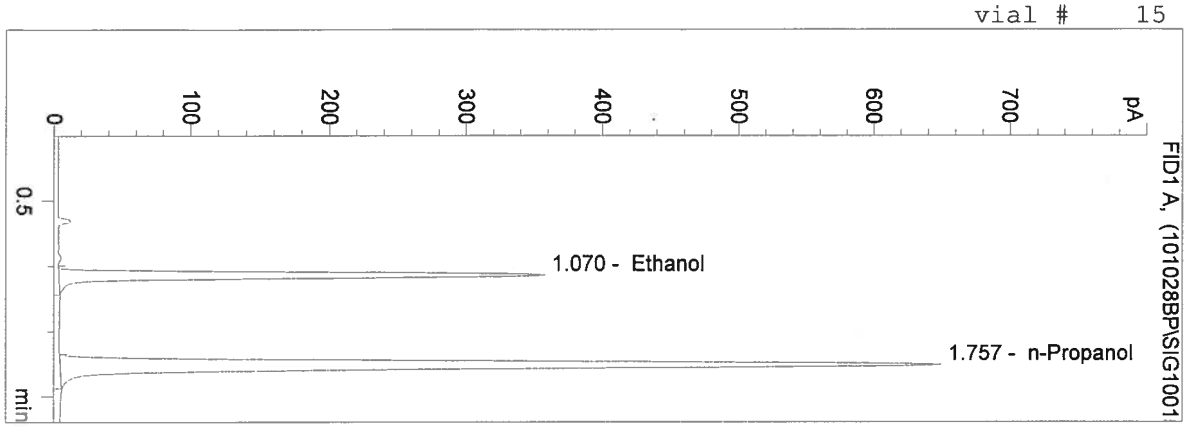
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

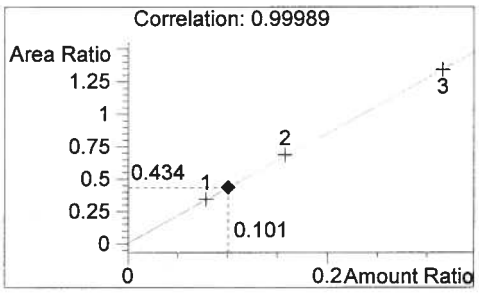
C:\HPCHEM\1\METHODS\SIMALC.M
10/28/2010 12:28:25 PM
Instrument 1
DB ALC 1

0.10 CTRL-BP
Brianna Peterson

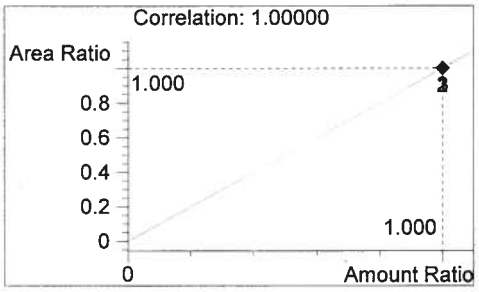
vial # 15



#	Compound	Area	RT
1	Ethanol	1110	1.070
2	n-Propanol	2556	1.757
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

10054

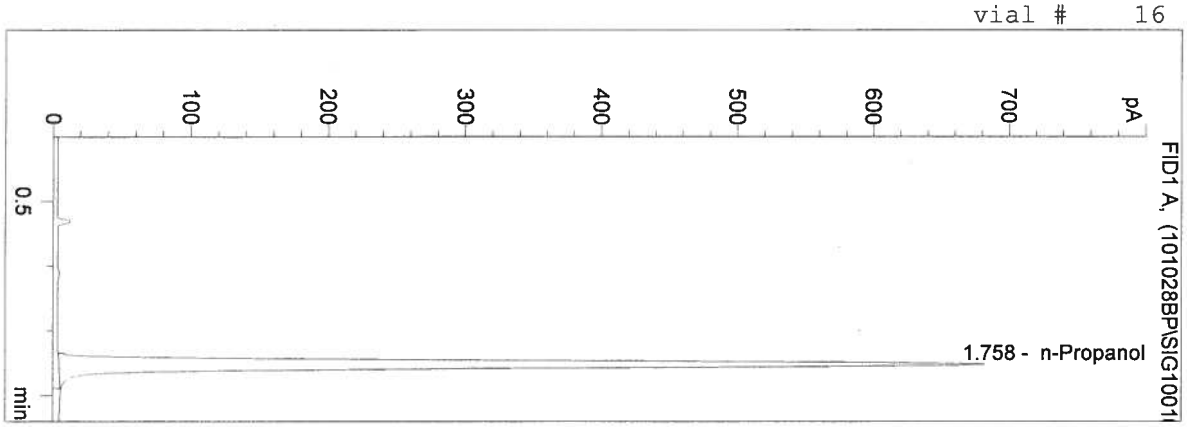
BG

WASHINGTON STATE TOXICOLOGY LABORATORY

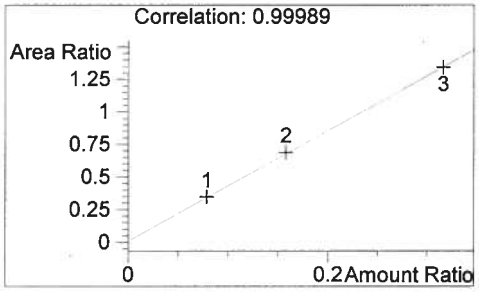
C:\HPCHEM\1\METHODS\SIMALC.M
10/28/2010 12:31:30 PM
Instrument 1
DB ALC 1

NEG CTRL-BP
Brianna Peterson

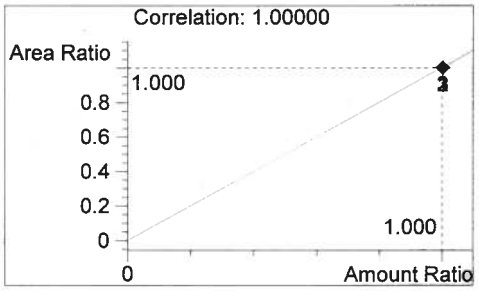
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2693	1.758
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10054

BP

Washington State Patrol Toxicology Laboratory Division

QAP SOLUTION PREPARATION WORKSHEET

Batch #: 10054

Preparer: RF

Date Prepared: 10/21/10

Expiration Date: 10/21/11

Lot 200 Proof (100%) Ethanol Used: ZQ0777

Date 200 Proof Ethanol Opened: 10/12/10
(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 ☒ 10/21/2010
Date

Analyst

10/21/2010
Date