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

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/14/2009

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 13021

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: 06/14/2013
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Amanda Chandler

	AC	BB	LL
1	0.049	0.049	0.047
2	0.048	0.050	0.049
3	0.048	0.049	0.048
4	0.048	0.050	0.048
5	0.048	0.050	0.047
C	0.105	0.100	0.098

ETHANOL CONTROL INFORMATION
LOT NUMBER: A090924 EXPIRATION: 01/2017 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0485 g/100mL
STANDARD DEVIATION: 0.00099
PRECISION CV (%): 2.04
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0395 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0009 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton — FS-S — 7-2-2013
Melissa L. Pemberton — Forensic Scientist Supervisor — DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AC	Amanda Chandler	Amanda Chandler	06/14/2013
BB	Brittany Ball	Brittany Ball	06/17/2013
LL	Lyndsey Lowe	Lyndsey Lowe	06/17/2013

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 #: 13021 **Date Prepared:** 6/14/2013

Analyst:	AC	BB	LL
Date Tested:	6/14/2013	6/17/2013	6/17/2013
Instrument:	HS#3	HS#3	HS#3
1	0.049	0.049	0.047
2	0.048	0.050	0.049
3	0.048	0.049	0.048
4	0.048	0.050	0.048
5	0.048	0.050	0.047
C	0.105	0.100	0.098

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000277636	0.0004247950	0.0001016326

Ethanol Control Lot #: A090924
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0485 g/100mL
Standard Deviation: 0.00099 g/100mL
Precision CV (%): 2.04
Equivalent Vapor Concentration: 0.0395 g/210L
Combined Standard Uncertainty (±): 0.0009 g/210L

Calculations performed by: Melissa Pemberton [signature] 6/25/13
Name Signature Date

Calculations verified by: Amanda M. Black [signature] 6-30-2013 Method: Hand calculation
Name Signature Date

Tech. review performed by: Melissa L. Pemberton [signature] 6-26-13
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black **Date:** 6-30-2013

Location: WSP-FLSB Seattle, WA **Solution Batch Number:** 13021

	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:** 6-30-2013

Reviewer Signature: N/A OB 6-30-13 **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 Chandler	AC	6-25-13
Asa Louis		
Brittany Ball	BB	6/25/13
Christie Mitchell-Mata		
Christopher Johnston		
Justin Knoy		
Katie Knorr		
Lisa Noble		
Lyndsey Lowe	LL	6/25/13
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 13021

JAY INSLEE
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 13021

I, Amanda Chandler, 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 Forensic Science.

The qap solution, Lot Number 13021, was prepared in the Washington State Toxicology Laboratory on 6/14/2013. 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 6/14/2014.

Seattle, WA

Amanda Chandler 6-25-13

Amanda Chandler Date
Forensic Toxicologist

JAY INSLEE
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 13021

I, Brittany Ball, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biology and a Masters in Forensic Science.

The qap solution, Lot Number 13021, was prepared in the Washington State Toxicology Laboratory on 6/14/2013. 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 6/14/2014.

Seattle, WA

Brittany Ball 6/25/13

Brittany Ball Date

Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
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DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 13021

I, Lyndsey Lowe, 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.

The qap solution, Lot Number 13021, was prepared in the Washington State Toxicology Laboratory on 6/14/2013. 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 6/14/2014.

Seattle, WA

Lyndsey Lowe 6/25/13

Lyndsey Lowe Date
Forensic Toxicologist

WSP-TLD | **COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET**

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

Preparation Date: 6-14-13 Initials of Preparer: AC

Expiration Date: 6-14-14

Lot # of 200-proof Ethanol used in preparation: 2BH0289

Date the 200-proof Ethanol bottle was opened: 6-10-13

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

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☑	13021
QAP 0.08	22.4	18	☑	13022
QAP 0.10	28.1	18	☑	13023
QAP 0.15	42.0	18	☑	13024
ESS	66.5	52	☐	

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 6-14-13 Date

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

Comments: Batch 13023 and Batch 13024 were not packaged. AC 6-17-13

Amanda Chandler
Analyst Signature

6-14-13
Date

Sequence: C:\HPCHEM\2\SEQUENCE\ACQAP3.S

Sequence Parameters:

Operator:	Amanda Chandler
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	130614AC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:

Cal 1 (0.079 g/100mL) - Lot#E0213-01 - Exp 8/20/13
Cal 2 (0.158 g/100mL) - Lot#E0213-02 - Exp 8/20/13
Cal 3 (0.316 g/100mL) - Lot#E0213-03 - Exp 8/20/13

CTRL 1 (0.04 g/100mL) - Lot#A088613 - Exp 09/2016
CTRL 2 (0.10 g/100mL) - Lot#A090924 - Exp 01/2017
CTRL 3 (0.20 g/100mL) - Lot#A093219 - Exp 05/2017

n-Propanol ISTD - Lot# P0513 - Exp 08/02/13

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	Neg Control-AC	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Control-AC	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Control-AC	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Control-AC	SIMALC3	1	Ctrl Samp		
9	Vial 9	Neg Control-AC	SIMALC3	1	Ctrl Samp		
10	Vial 10	QAP 13021 0.04 1	SIMALC3	1	Sample		
11	Vial 11	QAP 13021 0.04 2	SIMALC3	1	Sample		
12	Vial 12	QAP 13021 0.04 3	SIMALC3	1	Sample		
13	Vial 13	QAP 13021 0.04 4	SIMALC3	1	Sample		
14	Vial 14	QAP 13021 0.04 5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control-AC	SIMALC3	1	Ctrl Samp		
16	Vial 16	Neg Control-AC	SIMALC3	1	Ctrl Samp		
17	Vial 17	QAP 13022 0.08 1	SIMALC3	1	Sample		
18	Vial 18	QAP 13022 0.08 2	SIMALC3	1	Sample		
19	Vial 19	QAP 13022 0.08 3	SIMALC3	1	Sample		
20	Vial 20	QAP 13022 0.08 4	SIMALC3	1	Sample		
21	Vial 21	QAP 13022 0.08 5	SIMALC3	1	Sample		
22	Vial 22	0.10 Control-AC	SIMALC3	1	Ctrl Samp		
23	Vial 23	Neg Control-AC	SIMALC3	1	Ctrl Samp		
24	Vial 24	QAP 13023 0.10 1	SIMALC3	1	Sample		
25	Vial 25	QAP 13023 0.10 2	SIMALC3	1	Sample		
26	Vial 26	QAP 13023 0.10 3	SIMALC3	1	Sample		

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

AC

Sequence: C:\HPCHEM\2\SEQUENCE\ACQAP3.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	QAP 13023 0.10 4	SIMALC3	1	Sample		
28	Vial 28	QAP 13023 0.10 5	SIMALC3	1	Sample		
29	Vial 29	0.10 Control-AC	SIMALC3	1	Ctrl Samp		
30	Vial 30	Neg Control-AC	SIMALC3	1	Ctrl Samp		
31	Vial 31	QAP 13024 0.15 1	SIMALC3	1	Sample		
32	Vial 32	QAP 13024 0.15 2	SIMALC3	1	Sample		
33	Vial 33	QAP 13024 0.15 3	SIMALC3	1	Sample		
34	Vial 34	QAP 13024 0.15 4	SIMALC3	1	Sample		
35	Vial 35	QAP 13024 0.15 5	SIMALC3	1	Sample		
36	Vial 36	0.10 Control-AC	SIMALC3	1	Ctrl Samp		
37	Vial 37	Neg Control-AC	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

13021

13022

13023

13024

130614AC
acc

Method C:\HPCHEM\2\METHODS\SIMALC3.M

Calibration Table

Calib. Data Modified : Friday, June 14, 2013 11:37:54 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.021	1	1	7.93800e-2	543.97345	1.45926e-4	1		Ethanol
		2	1.59660e-1	1066.18176	1.49749e-4			
		3	3.19080e-1	2007.10217	1.58975e-4			
1.747	1	1	1.20000e-2	1476.66748	8.12641e-6	I1		n-Propanol
		2	1.20000e-2	1458.75427	8.22620e-6			
		3	1.20000e-2	1474.57056	8.13796e-6			

Peak Sum Table

No Entries in table

13021
13022
13023
13024

130614AC
ac

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Calibration Curves

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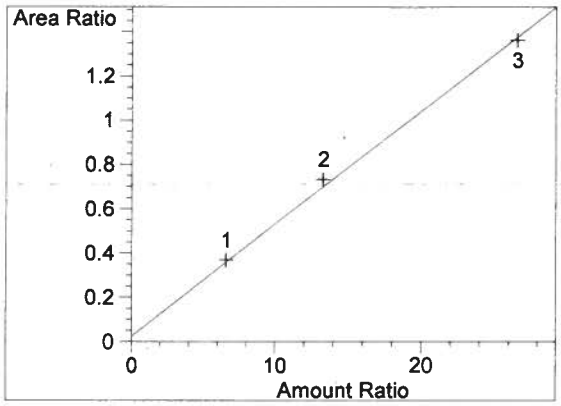
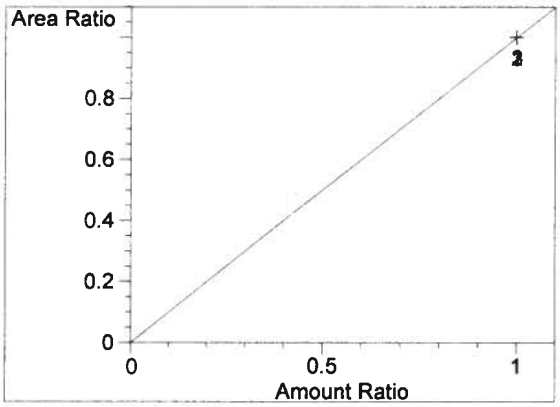


Ethanol at exp. RT: 1.021
FID1 A,
Correlation: 0.99912
Residual Std. Dev.: 0.02977
Formula: y = mx + b
m: 5.10205e-2
b: 2.18609e-2
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.747
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

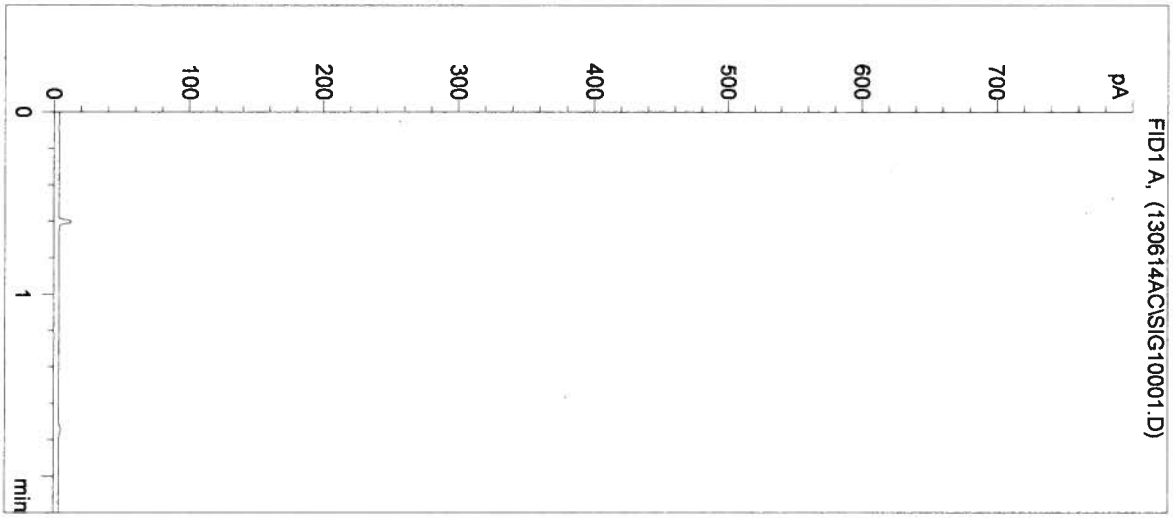
13021
13022
13023
13024

130614 AC
ac

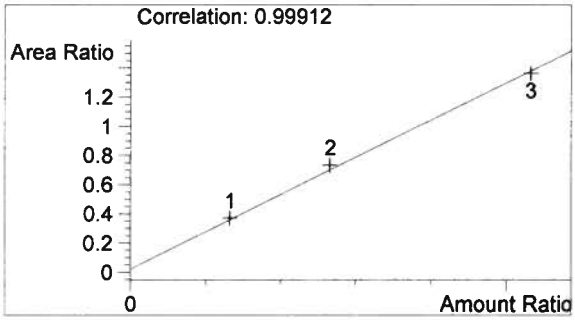
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 11:26:19 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

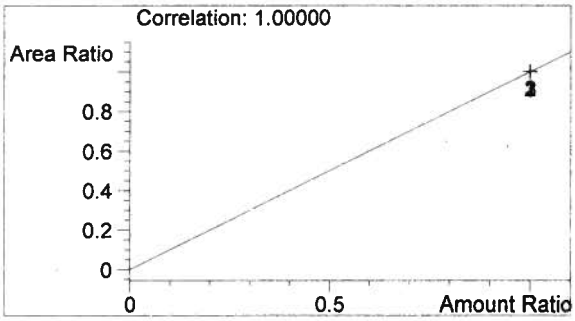
Sample Name: BLANK
Operator: Amanda Chandler
Location: Vial 1



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

13021
13022
= 13023
13024

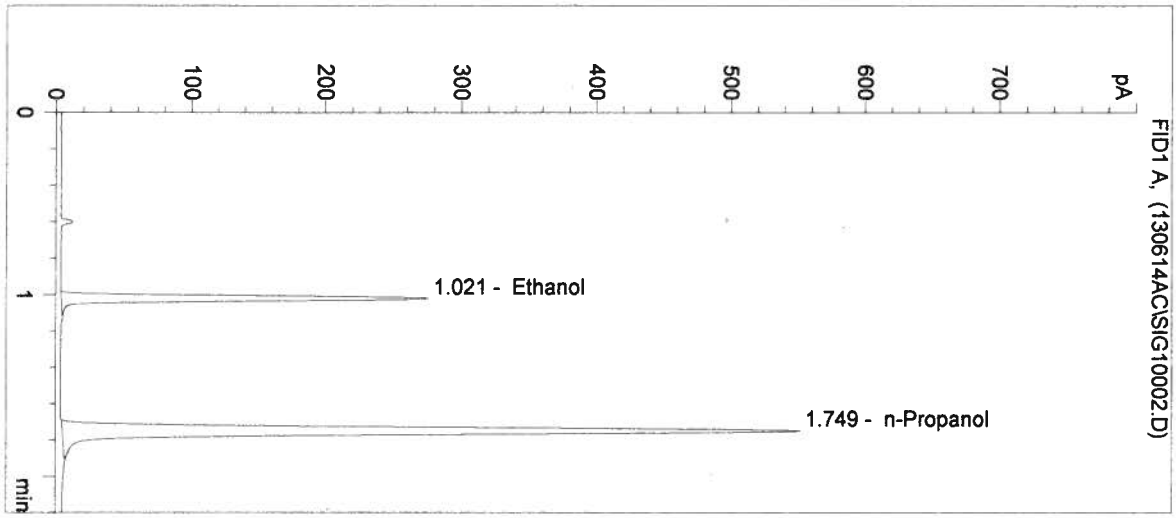
Data File: C:\HPCHEM\2\DATA\130614AC\SIG10001.D

AC

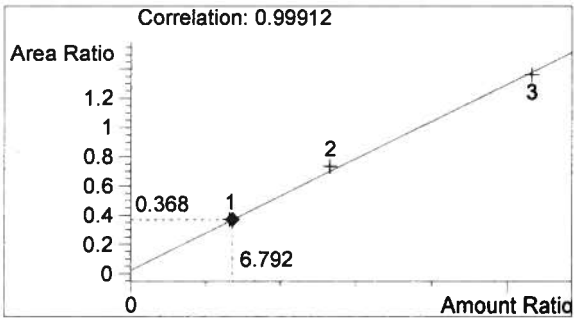
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 11:29:26 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

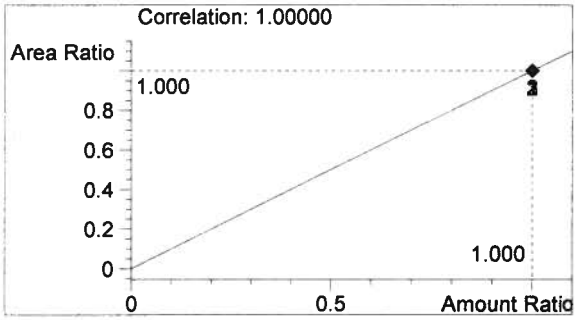
Sample Name: 0.079 CAL 1
Operator: Amanda Chandler
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	544	1.021
2	n-Propanol	1477	1.749



Ethanol 0.082 g/100mL



n-Propanol 0.012 g/100mL

13021
13022
13023
13024

Data File: C:\HPCHEM\2\DATA\130614AC\SIG10002.D

AC

Washington State Patrol Toxicology Laboratory
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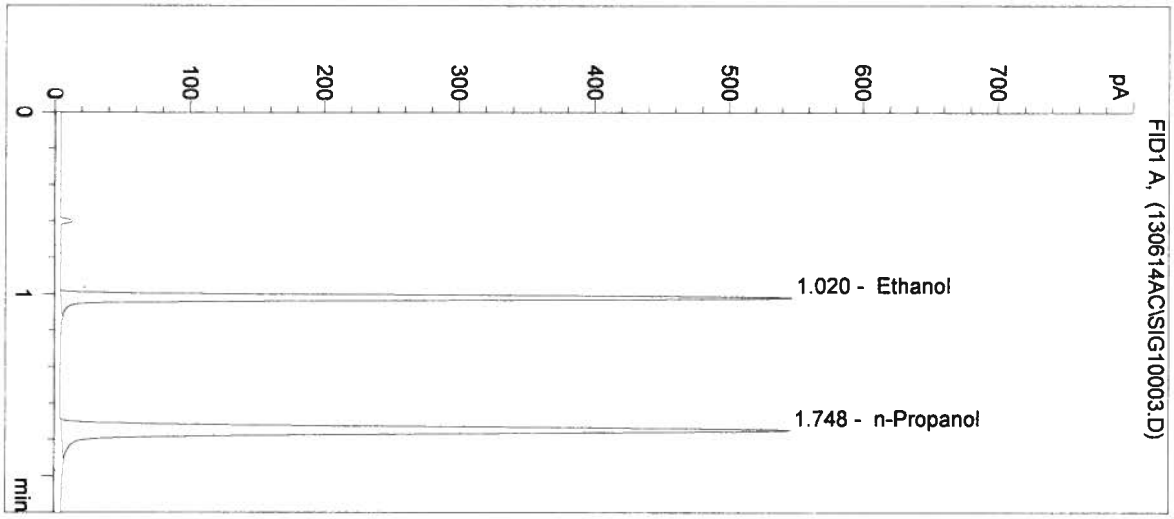
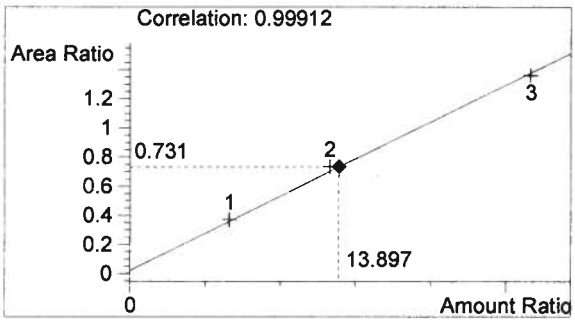
Inj. Date: 6/14/2013 11:32:33 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

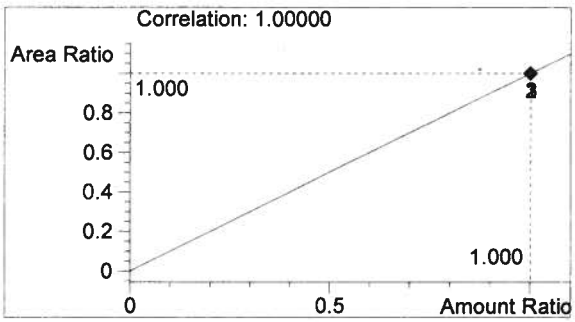
Sample Name: 0.158 CAL 2
Operator: Amanda Chandler
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1066	1.020
2	n-Propanol	1459	1.748



Ethanol 0.167 g/100mL



n-Propanol 0.012 g/100mL

13021
13022
13023
13024

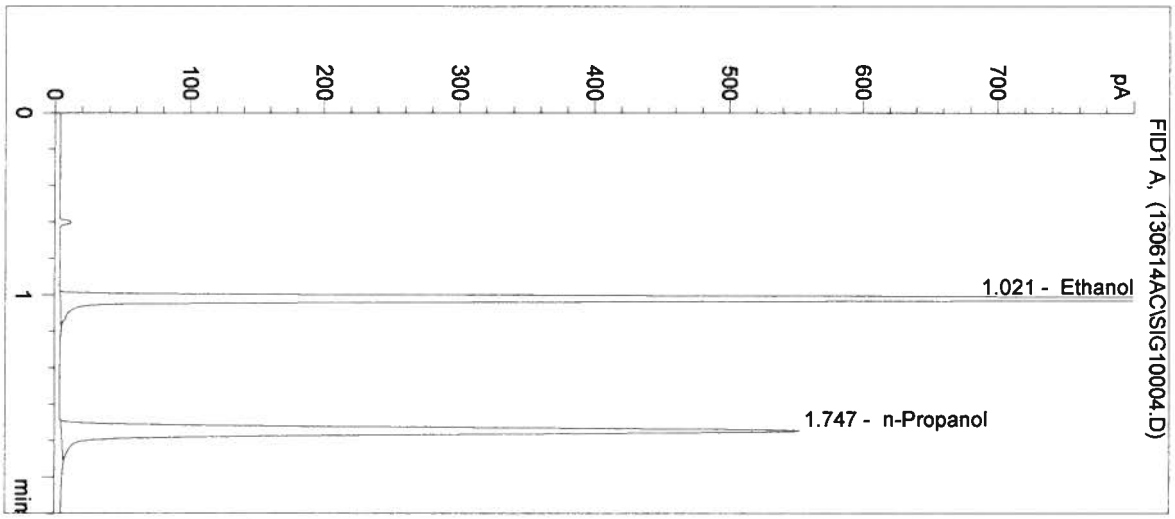
Data File: C:\HPCHEM\2\DATA\130614AC\SIG10003.D

AC

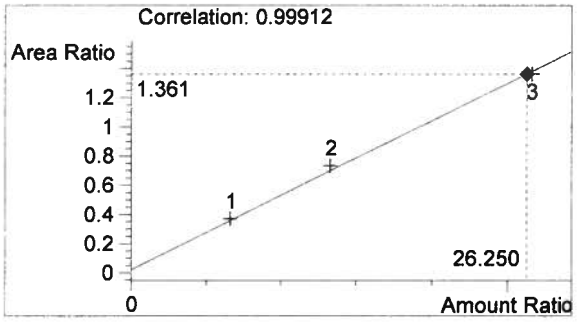
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 11:35:41 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

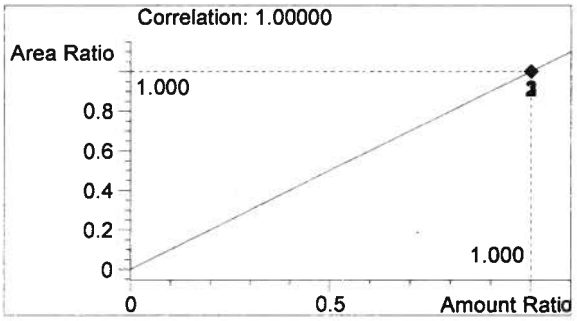
Sample Name: 0.316 CAL 3
Operator: Amanda Chandler
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2007	1.021
2	n-Propanol	1475	1.747



Ethanol 0.315 g/100mL



n-Propanol 0.012 g/100mL

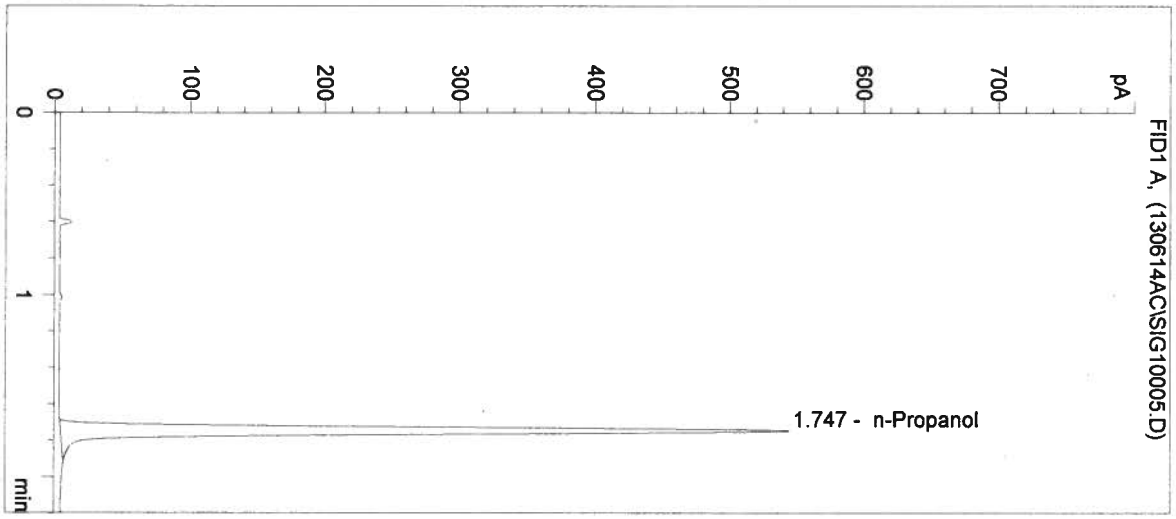
130211
130222
130223
130224

AC

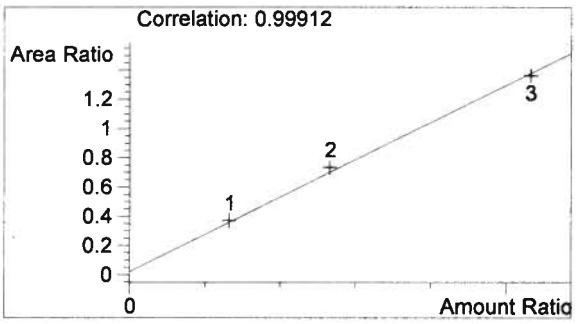
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 11:38:49 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

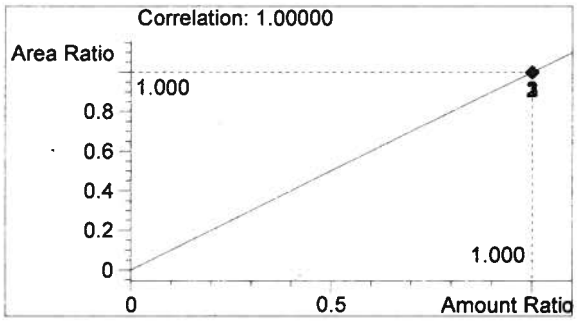
Sample Name: Neg Control-AC
Operator: Amanda Chandler
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1455	1.747



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

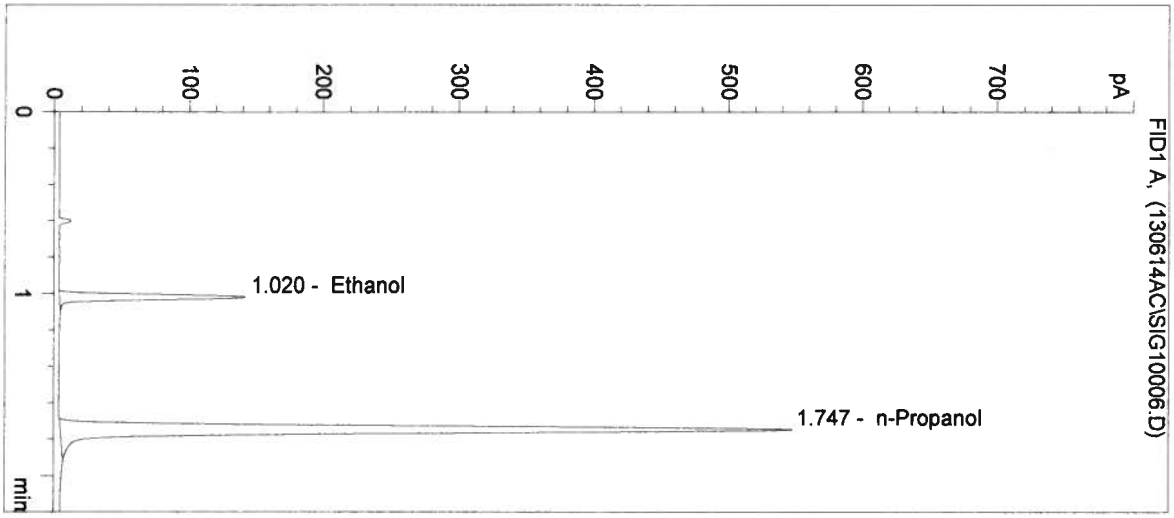
1 3 0 2 1
1 3 0 2 2
1 3 0 2 3
1 3 0 2 4

AC

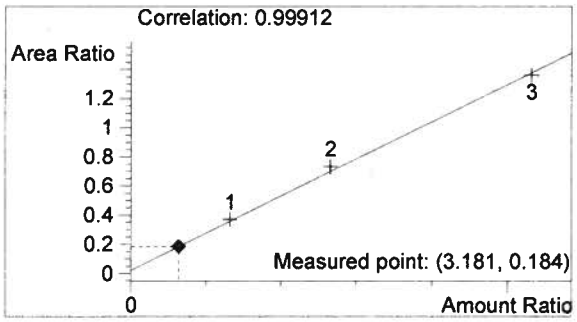
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 11:41:56 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

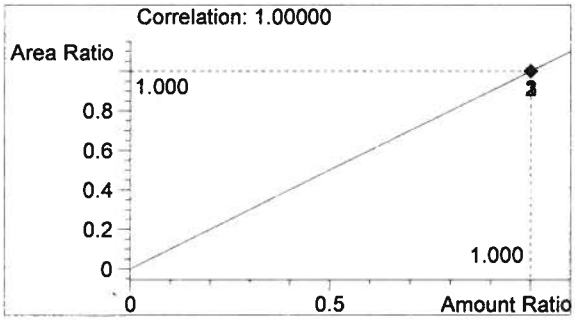
Sample Name: 0.04 Control-AC
Operator: Amanda Chandler
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	270	1.020
2	n-Propanol	1468	1.747



Ethanol 0.038 g/100mL



n-Propanol 0.012 g/100mL

13021
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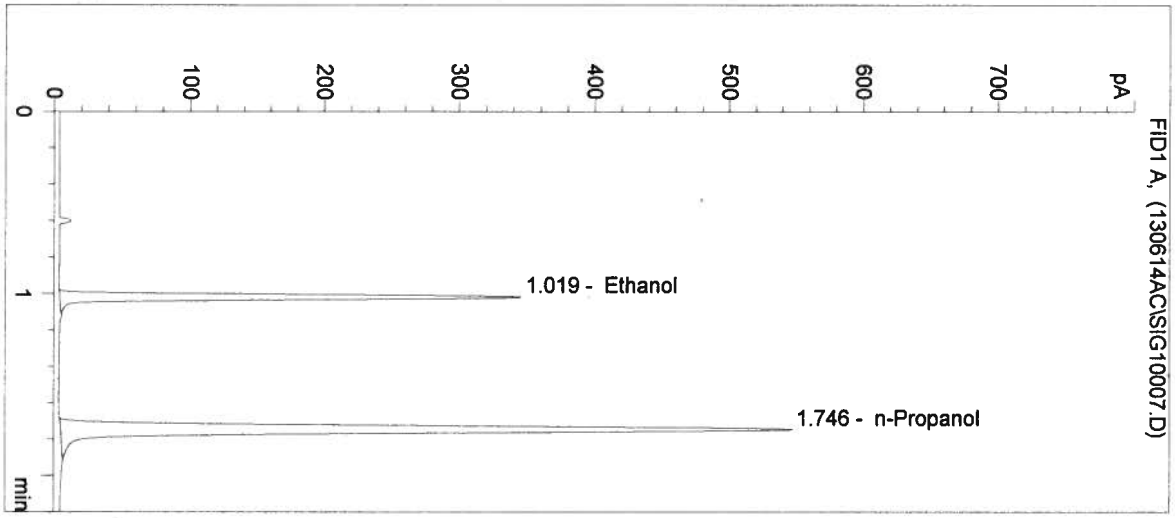
Data File: C:\HPCHEM\2\DATA\130614AC\SIG10006.D

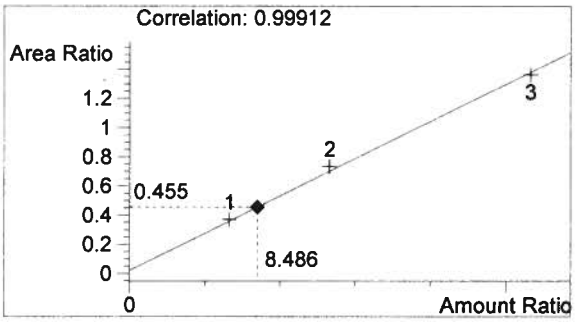
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 11:45:04 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

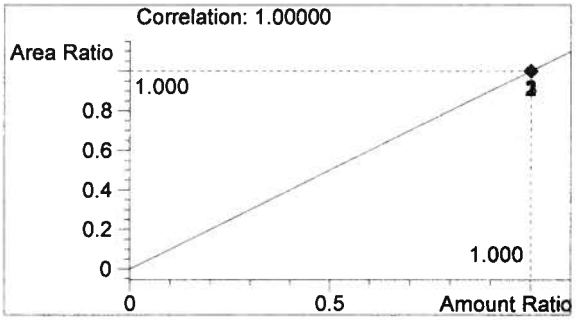
Sample Name: 0.10 Control-AC
Operator: Amanda Chandler
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	666	1.019
2	n-Propanol	1464	1.746



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

13021
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Data File: C:\HPCHEM\2\DATA\130614AC\SIG10007.D

Washington State Patrol Toxicology Laboratory
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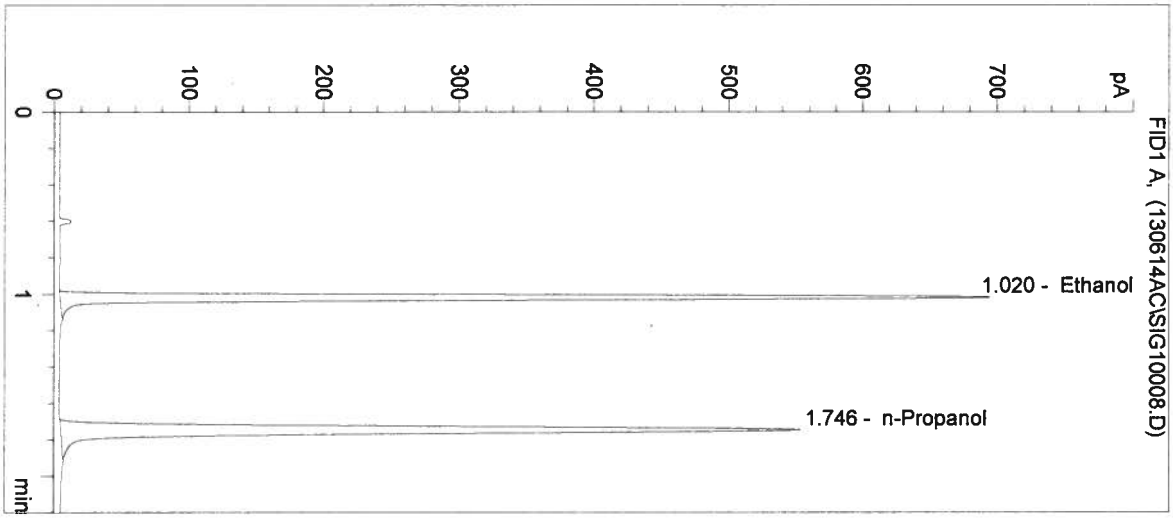
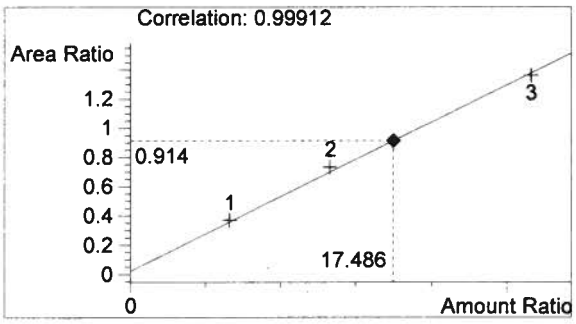
Inj. Date: 6/14/2013 11:48:11 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

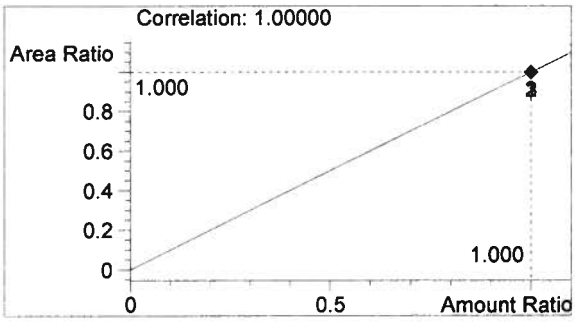
Sample Name: 0.20 Control-AC
Operator: Amanda Chandler
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1352	1.020
2	n-Propanol	1480	1.746



Ethanol 0.210 g/100mL



n-Propanol 0.012 g/100mL

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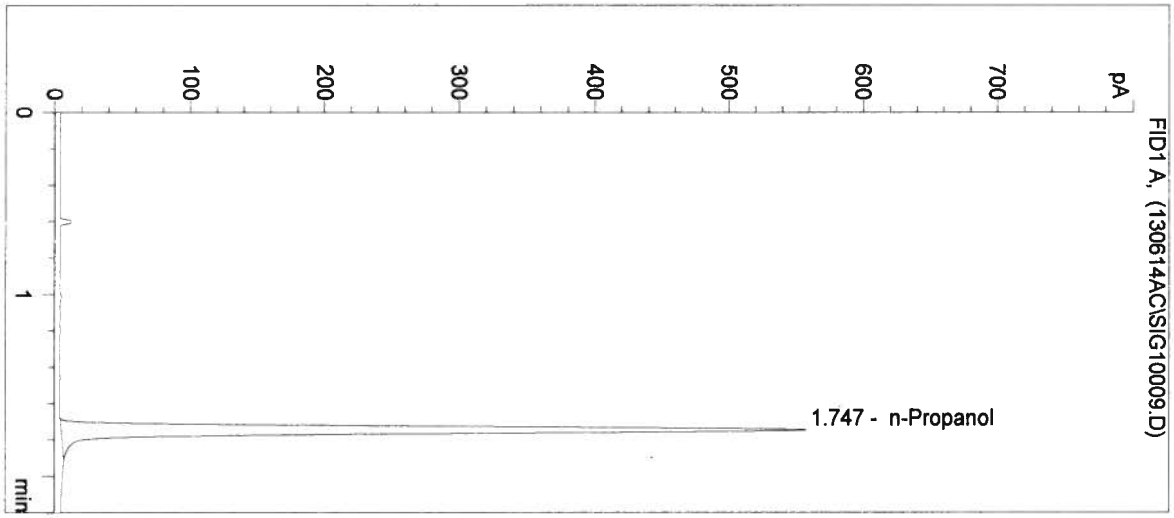
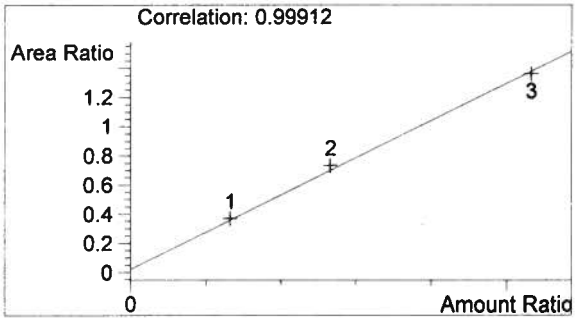
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 11:51:19 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

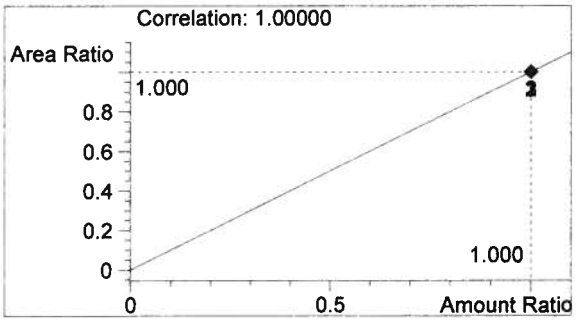
Sample Name: Neg Control-AC
Operator: Amanda Chandler
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1493	1.747



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13021
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AC

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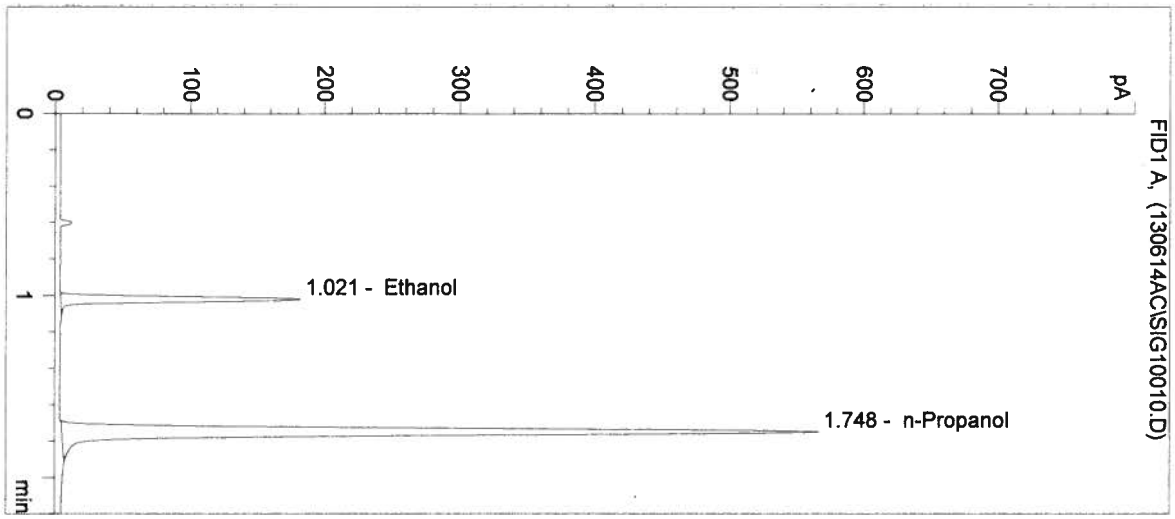
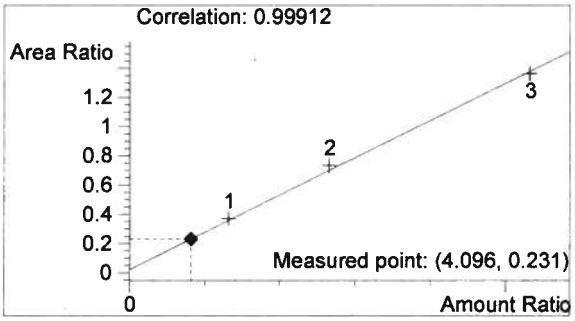
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 11:54:26 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

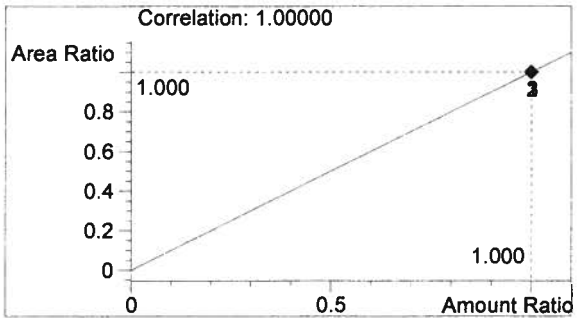
Sample Name: QAP 13021 0.04 1
Operator: Amanda Chandler
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	350	1.021
2	n-Propanol	1516	1.748



Ethanol 0.049 g/100mL



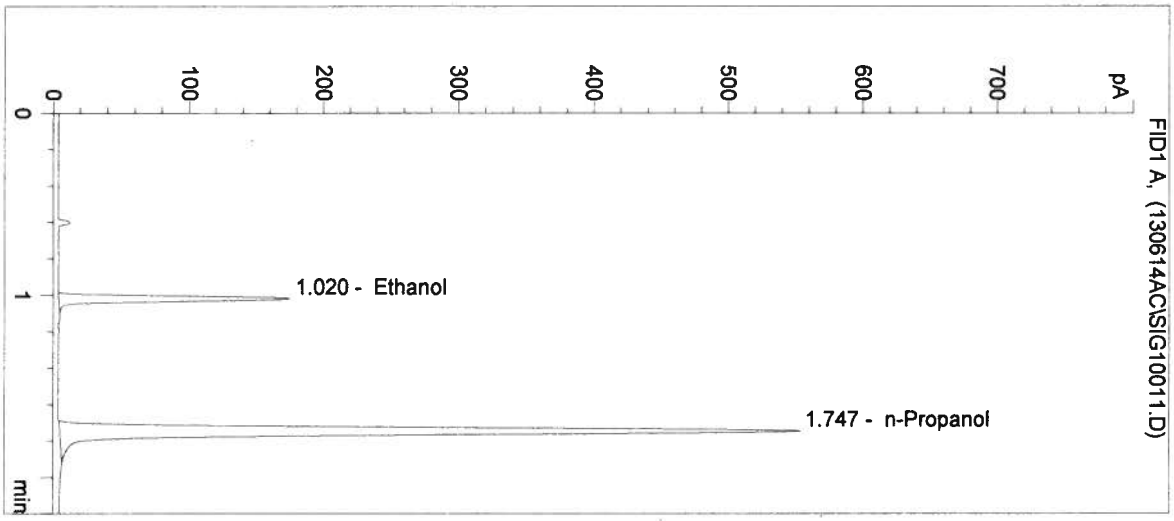
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\130614AC\SIG10010.D

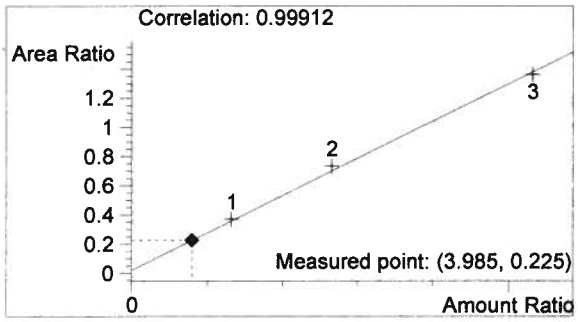
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 11:57:34 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

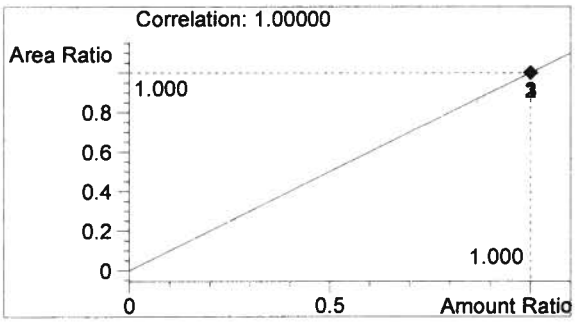
Sample Name: QAP 13021 0.04 2
Operator: Amanda Chandler
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	334	1.020
2	n-Propanol	1481	1.747



Ethanol 0.048 g/100mL

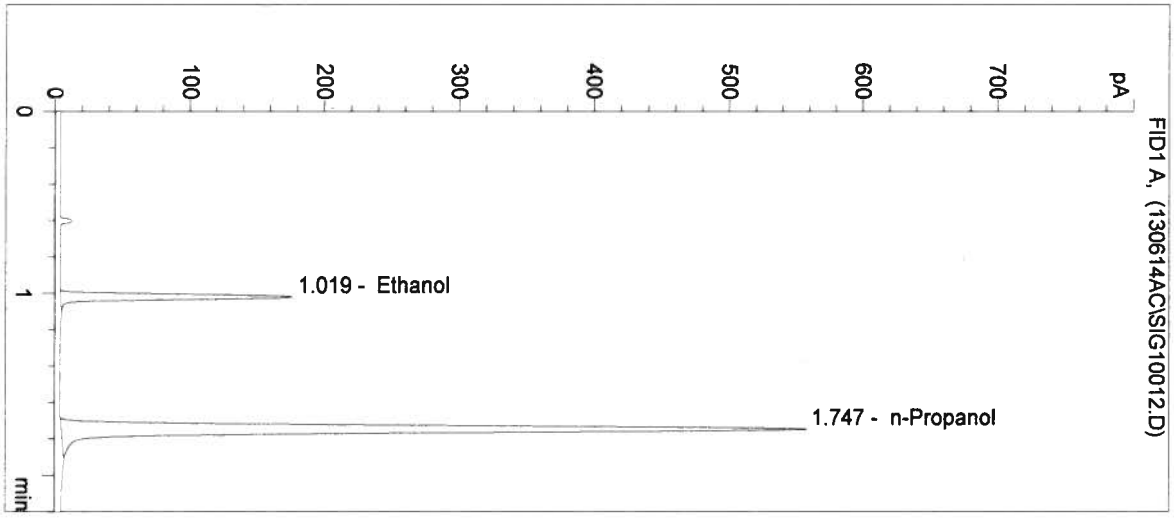


n-Propanol 0.012 g/100mL

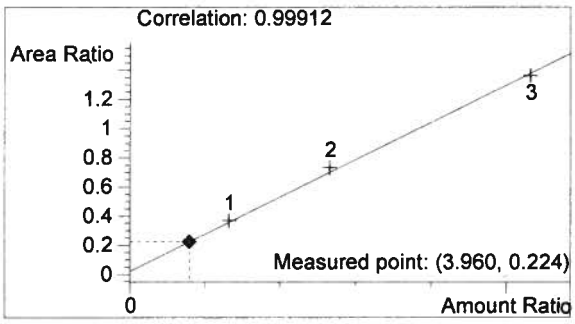
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 12:00:42 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

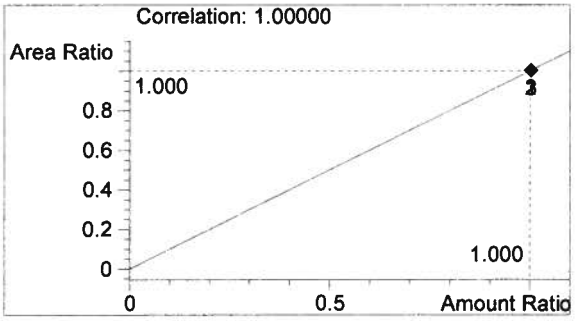
Sample Name: QAP 13021 0.04 3
Operator: Amanda Chandler
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	334	1.019
2	n-Propanol	1491	1.747



Ethanol 0.048 g/100mL



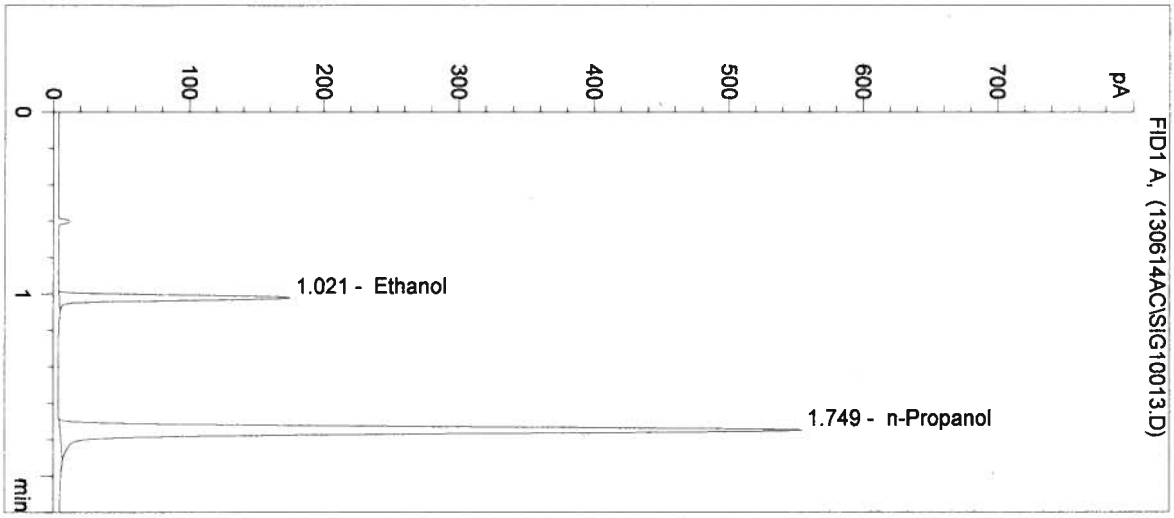
n-Propanol 0.012 g/100mL

AC

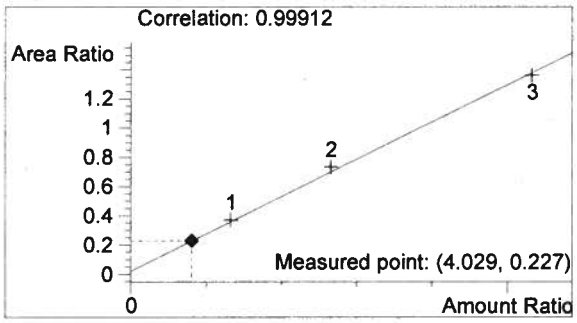
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 12:03:49 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

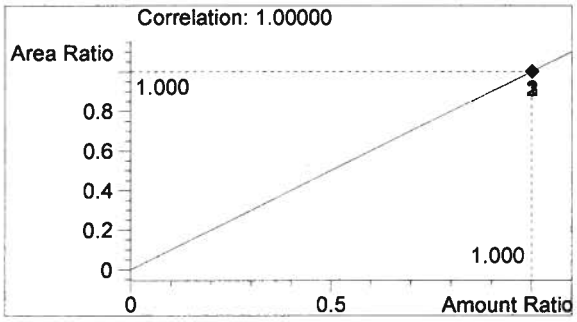
Sample Name: QAP 13021 0.04 4
Operator: Amanda Chandler
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	338	1.021
2	n-Propanol	1484	1.749



Ethanol 0.048 g/100mL



n-Propanol 0.012 g/100mL

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ac

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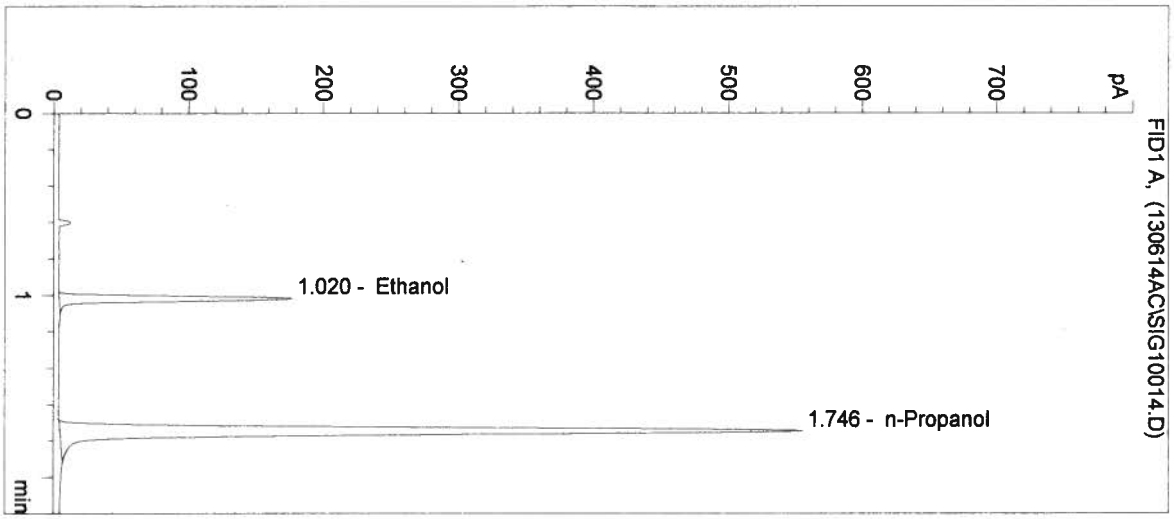
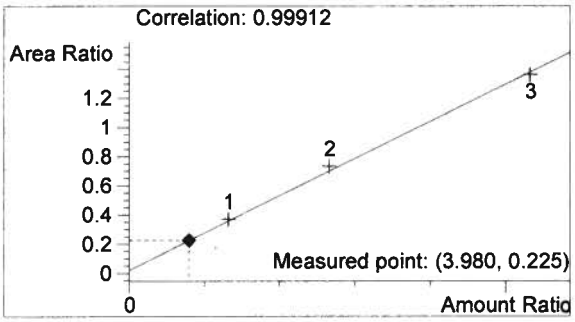
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 12:06:57 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

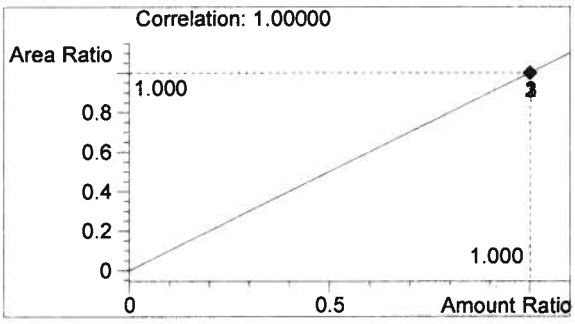
Sample Name: QAP 13021 0.04 5
Operator: Amanda Chandler
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	334	1.020
2	n-Propanol	1485	1.746



Ethanol 0.048 g/100mL



n-Propanol 0.012 g/100mL

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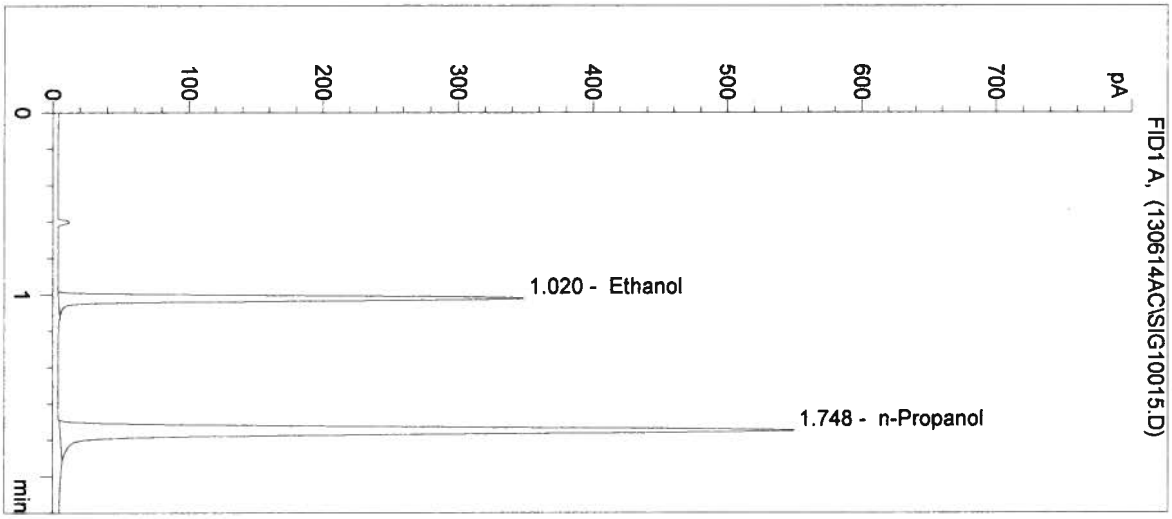
ac

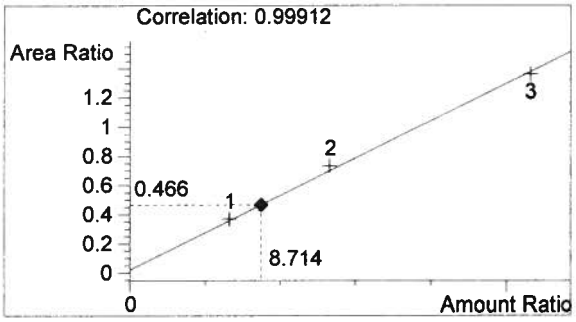
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 12:10:04 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

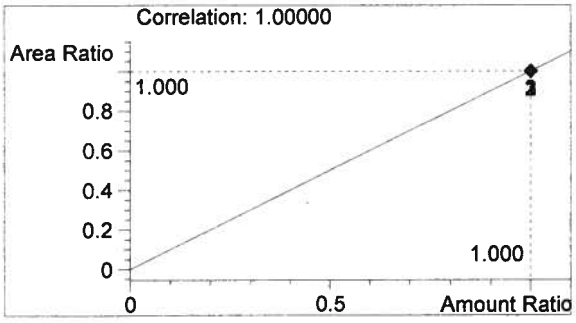
Sample Name: 0.10 Control-AC
Operator: Amanda Chandler
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	686	1.020
2	n-Propanol	1471	1.748



Ethanol 0.105 g/100mL



n-Propanol 0.012 g/100mL

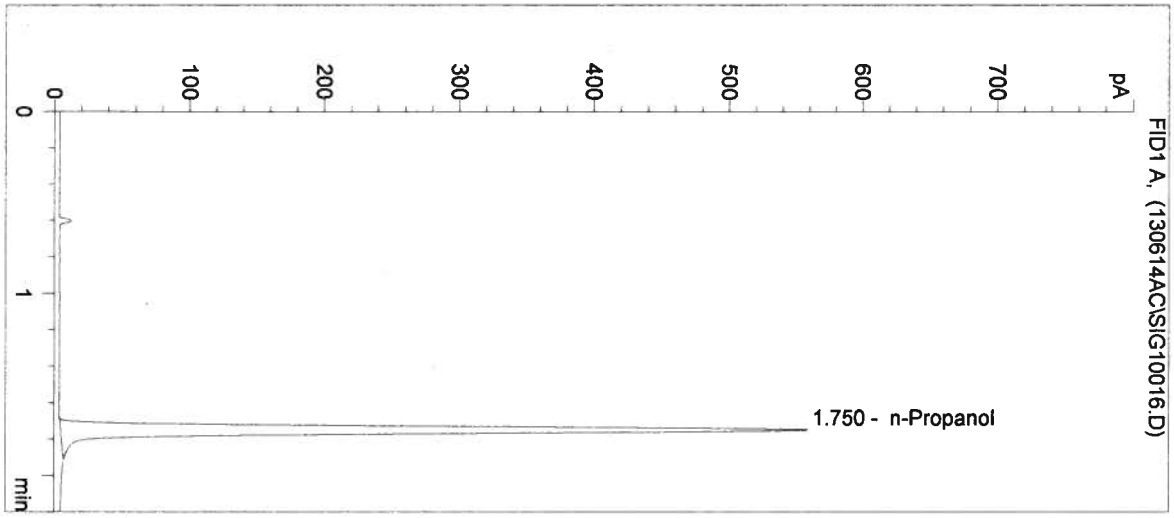
13021

AC

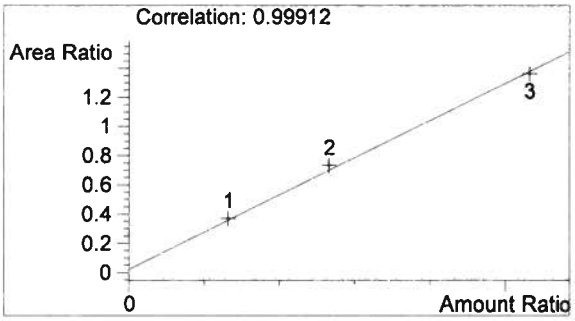
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/14/2013 12:13:12 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

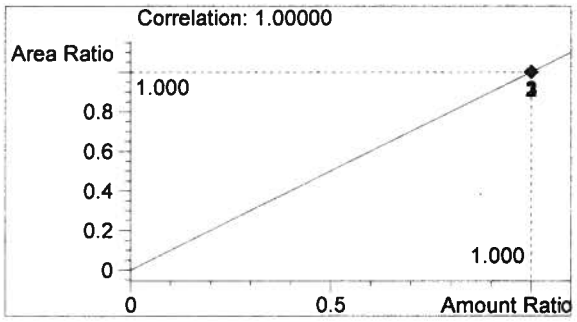
Sample Name: Neg Control-AC
Operator: Amanda Chandler
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1499	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13021

Data File: C:\HPCHEM\2\DATA\130614AC\SIG10016.D

ac

Sequence: C:\HPCHEM\2\SEQUENCE\BBQAPS2B.S

Sequence Parameters:

Operator:	Brittany Ball
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	130617BB
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1 (0.079 g/100mL) - Lot#E0213-01- Exp 08/20/13
Cal 2 (0.158 g/100mL) - Lot#E0213-02- Exp 08/20/13
Cal 3 (0.316 g/100mL) - Lot#E0213-03- Exp 08/20/13
CTRL 1 (0.04 g/100mL) - Lot#A088613 - exp 09/2016
CTRL 2 (0.10 g/100mL) - Lot#A090924 - exp 01/2017
CTRL 3 (0.20 g/100mL) - Lot#A093219 - exp 05/2017
n-Propanol ISTD - Lot#P0513 - Exp 08/02/13

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL- BB	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL- BB	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL- BB	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL- BB	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL- BB	SIMALC3	1	Ctrl Samp		
10	Vial 10	QAP0.04 13021 #1	SIMALC3	1	Sample		
11	Vial 11	QAP0.04 13021 #2	SIMALC3	1	Sample		
12	Vial 12	QAP0.04 13021 #3	SIMALC3	1	Sample		
13	Vial 13	QAP0.04 13021 #4	SIMALC3	1	Sample		
14	Vial 14	QAP0.04 13021 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL- BB	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL- BB	SIMALC3	1	Ctrl Samp		
17	Vial 17	QAP0.08 13022 #1	SIMALC3	1	Sample		
18	Vial 18	QAP0.08 13022 #2	SIMALC3	1	Sample		
19	Vial 19	QAP0.08 13022 #3	SIMALC3	1	Sample		
20	Vial 20	QAP0.08 13022 #4	SIMALC3	1	Sample		
21	Vial 21	QAP0.08 13022 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL- BB	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL- BB	SIMALC3	1	Ctrl Samp		

13021
13022

Calibration Part:

BB

Sequence: C:\HPCHEM\2\SEQUENCE\BBQAPS2B.S

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

13021
13022

Calibration Table

Calib. Data Modified : Monday, June 17, 2013 9:54:12 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.021	1	1	7.93800e-2	650.64075	1.22003e-4	1		Ethanol
		2	1.59660e-1	1280.14270	1.24720e-4			
		3	3.19080e-1	2526.10498	1.26313e-4			
1.749	1	1	1.20000e-2	1722.35852	6.96719e-6	I1		n-Propanol
		2	1.20000e-2	1706.27246	7.03287e-6			
		3	1.20000e-2	1678.91479	7.14747e-6			

Peak Sum Table

No Entries in table

13021
13022

==========

Calibration Curves

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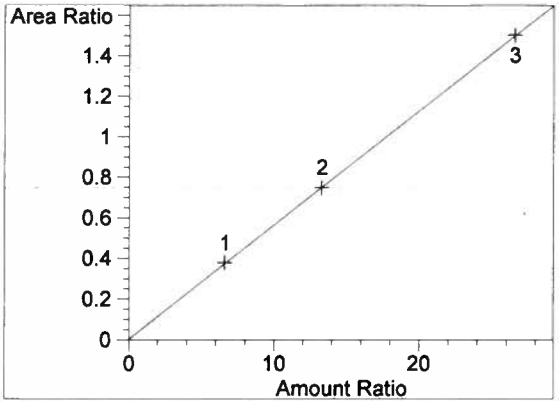
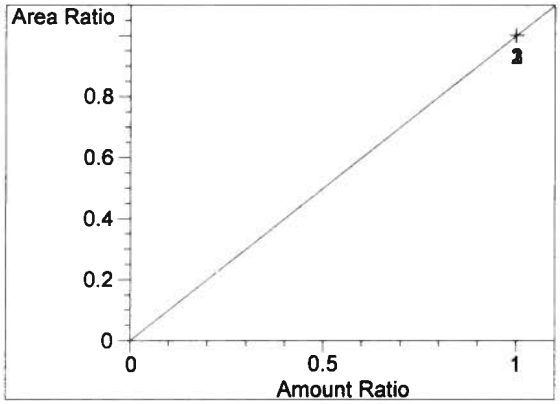


Ethanol at exp. RT: 1.021
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00294
Formula: y = mx + b
m: 5.65294e-2
b: 8.60356e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.749
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

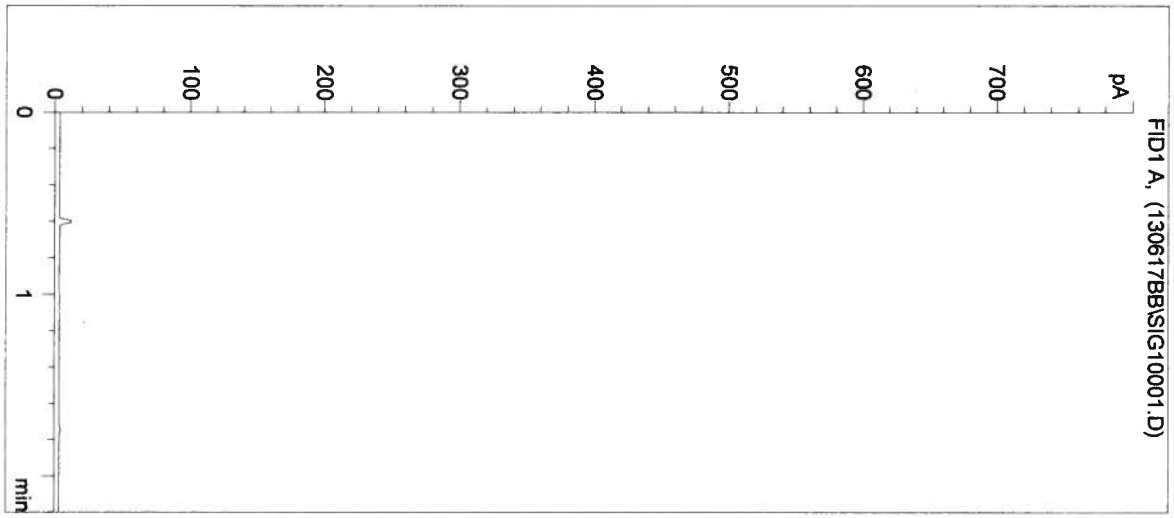
==========

13021
13022

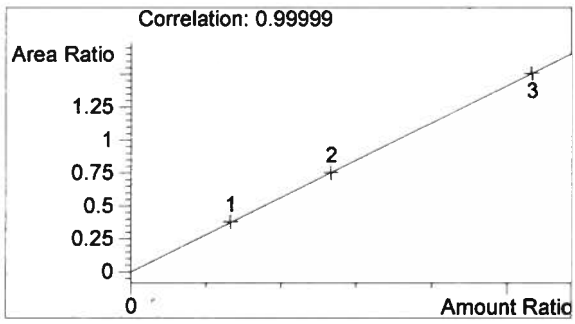
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 9:42:37 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

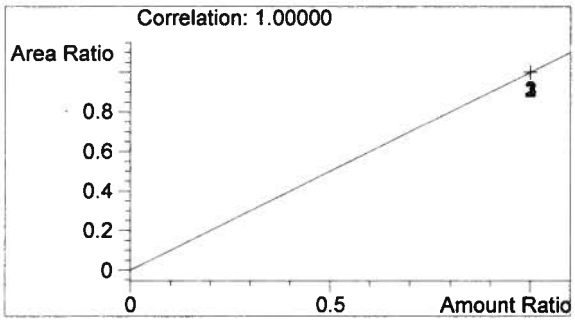
Sample Name: BLANK
Operator: Brittany Ball
Location: Vial 1



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

1 3 0 2 1
1 3 0 2 2

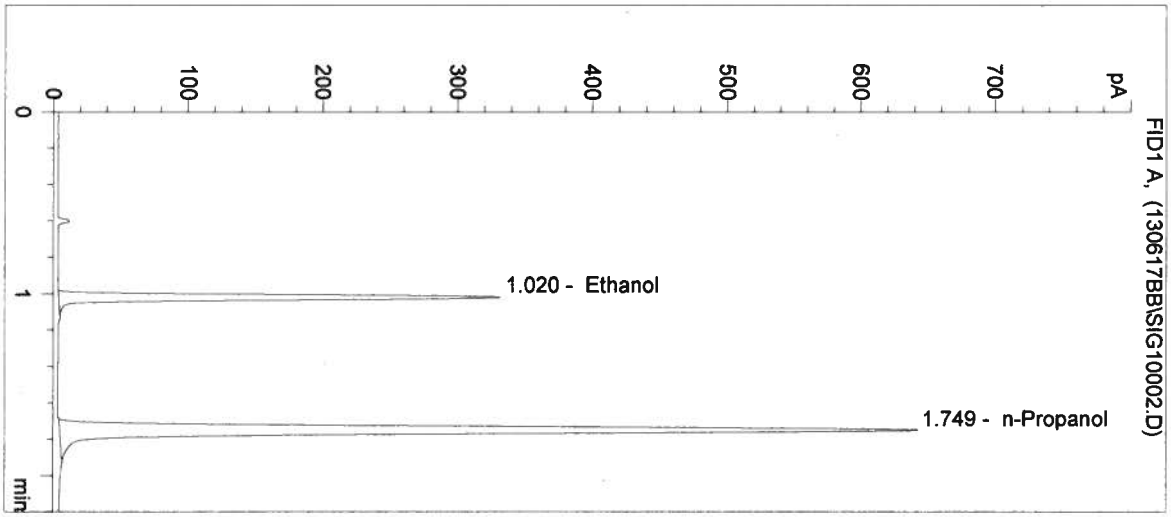
Data File: C:\HPCHEM\2\DATA\130617BB\SIG10001.D

BB

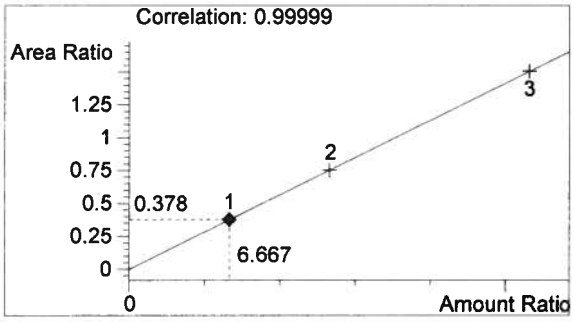
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 9:45:44 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

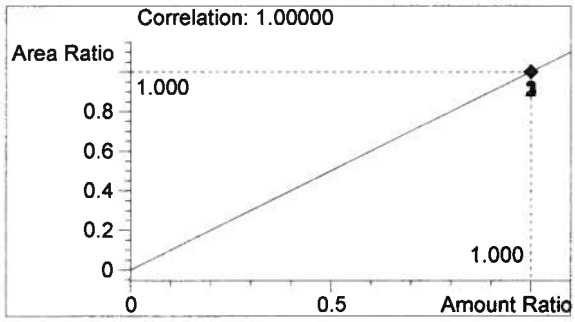
Sample Name: 0.079 CAL 1
Operator: Brittany Ball
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	651	1.020
2	n-Propanol	1722	1.749



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

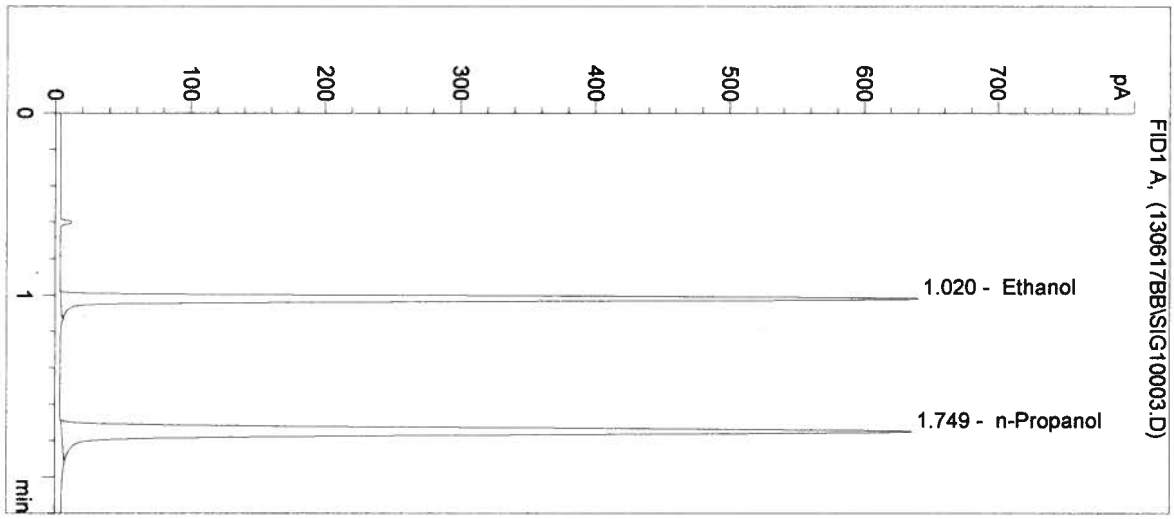
1 3 0 2 1
1 3 0 2 2

BB

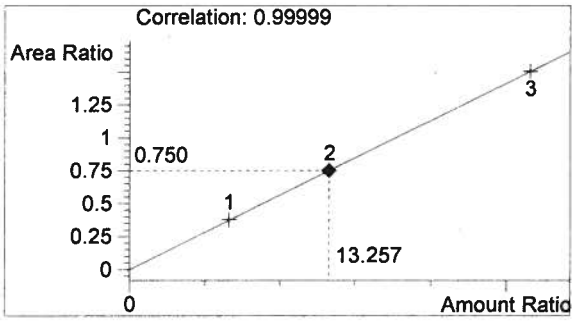
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 9:48:52 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

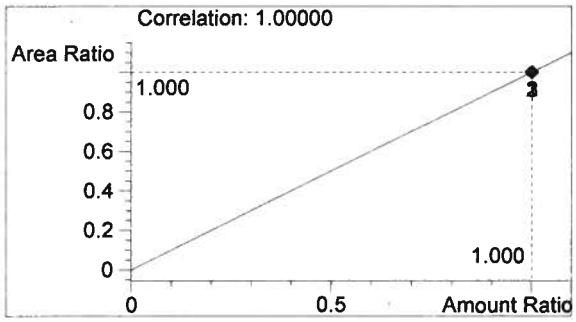
Sample Name: 0.158 CAL 2
Operator: Brittany Ball
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1280	1.020
2	n-Propanol	1706	1.749



Ethanol 0.159 g/100mL



n-Propanol 0.012 g/100mL

13021
13022

BB

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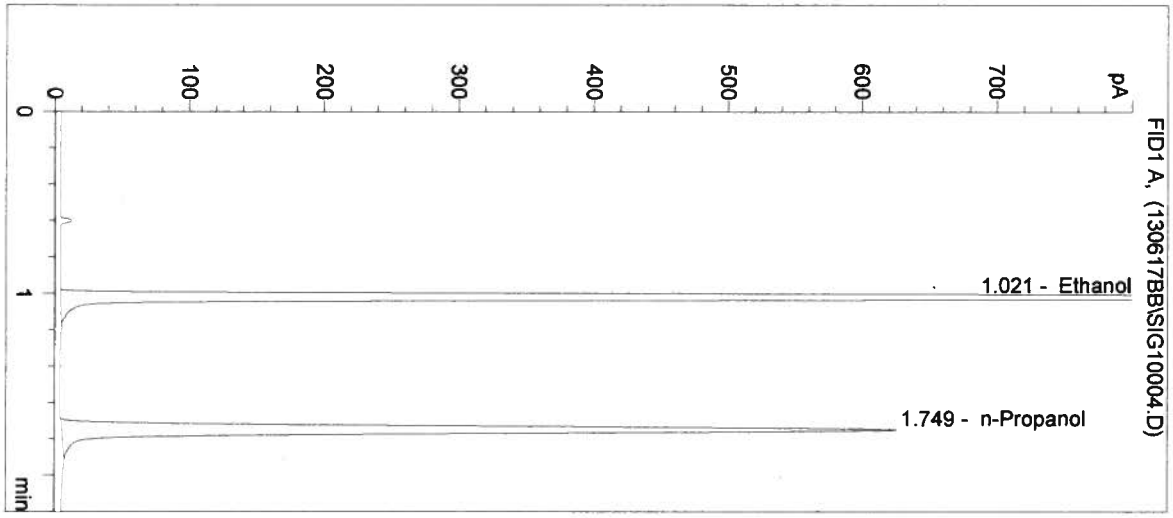
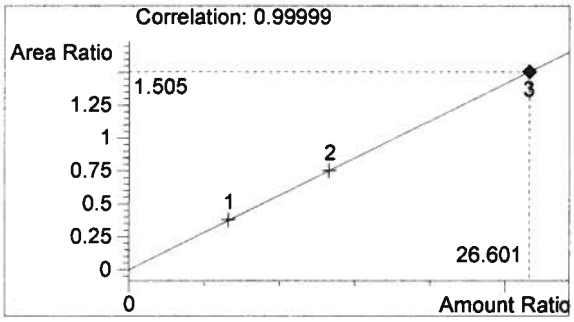
Inj. Date: 6/17/2013 9:52:00 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

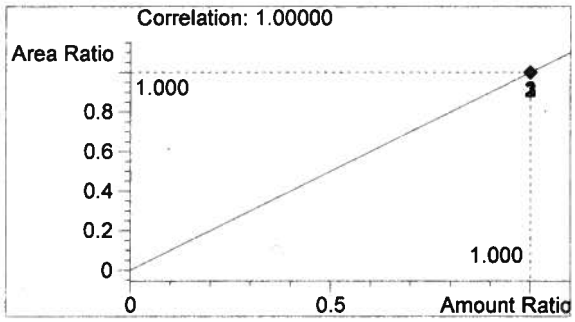
Sample Name: 0.316 CAL 3
Operator: Brittany Ball
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2526	1.021
2	n-Propanol	1679	1.749



Ethanol 0.319 g/100mL



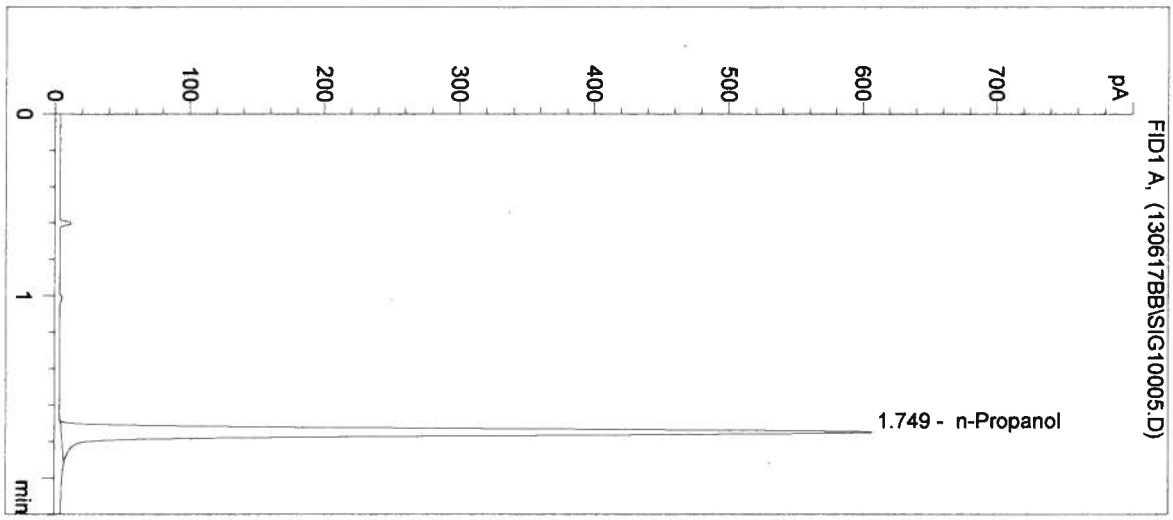
n-Propanol 0.012 g/100mL

13021
13022

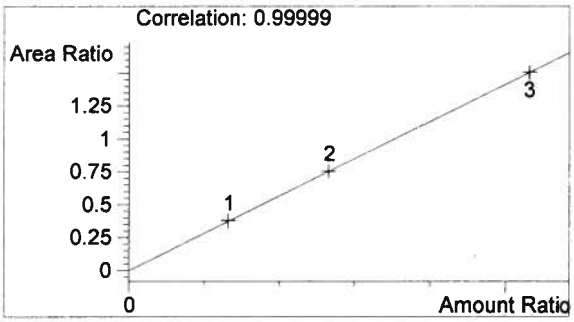
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 9:55:07 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

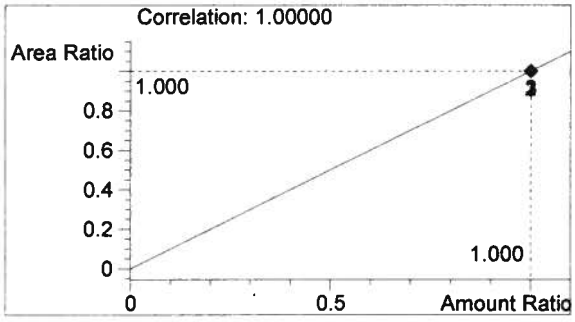
Sample Name: NEG CTRL- BB
Operator: Brittany Ball
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1629	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

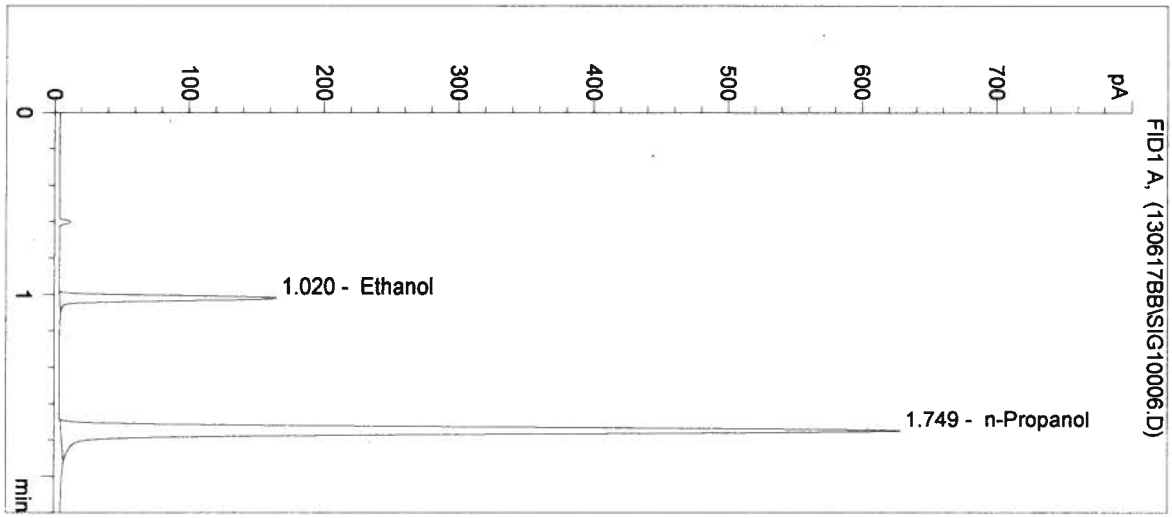
13021
13022

Data File: C:\HPCHEM\2\DATA\130617BB\SIG10005.D

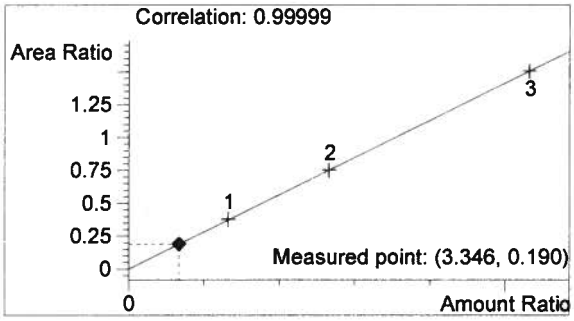
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 9:58:15 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

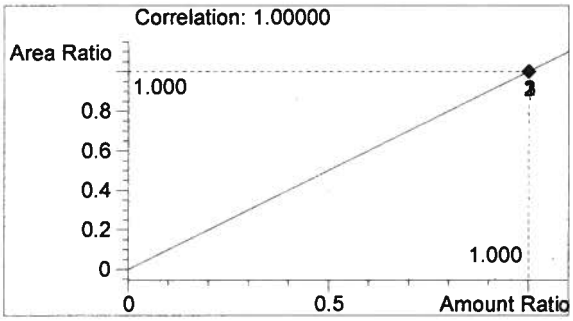
Sample Name: 0.04 CTRL- BB
Operator: Brittany Ball
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	320	1.020
2	n-Propanol	1683	1.749



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

13021
13022

BB

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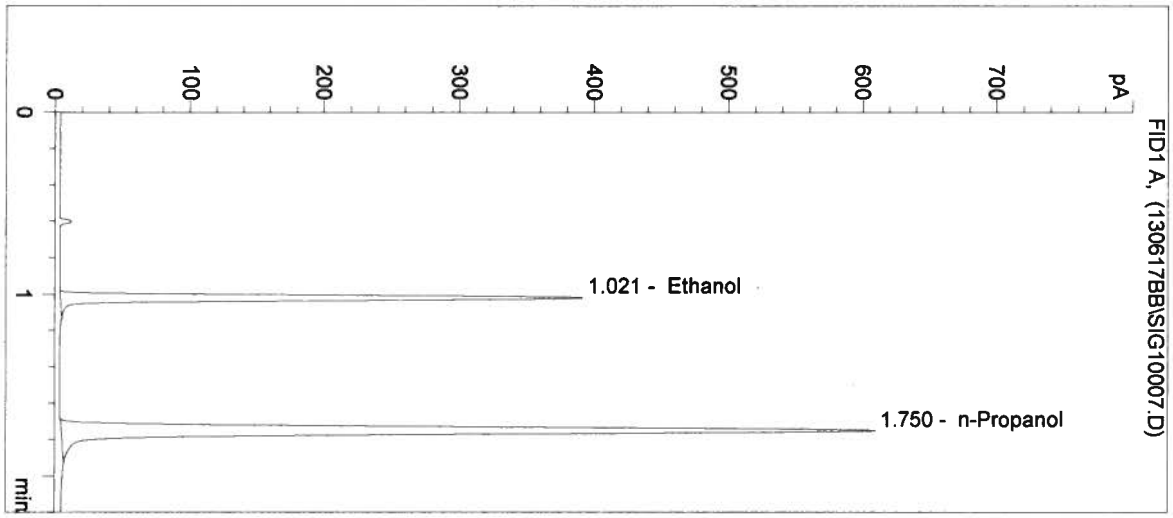
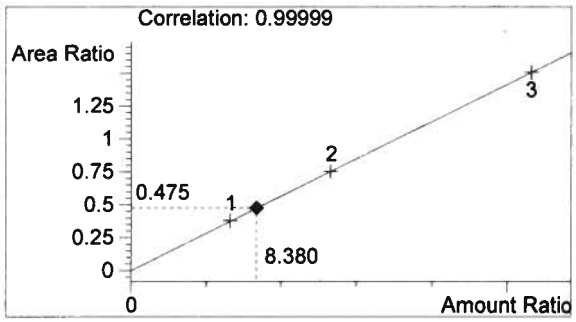
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 10:01:22 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

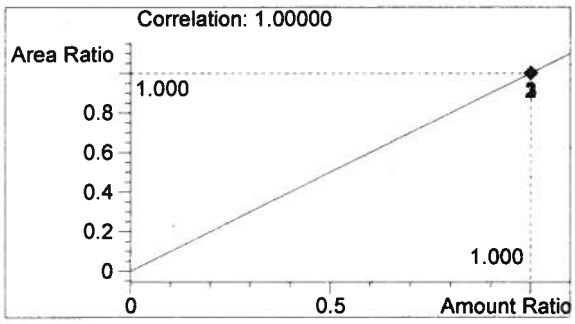
Sample Name: 0.10 CTRL- BB
Operator: Brittany Ball
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	777	1.021
2	n-Propanol	1638	1.750



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

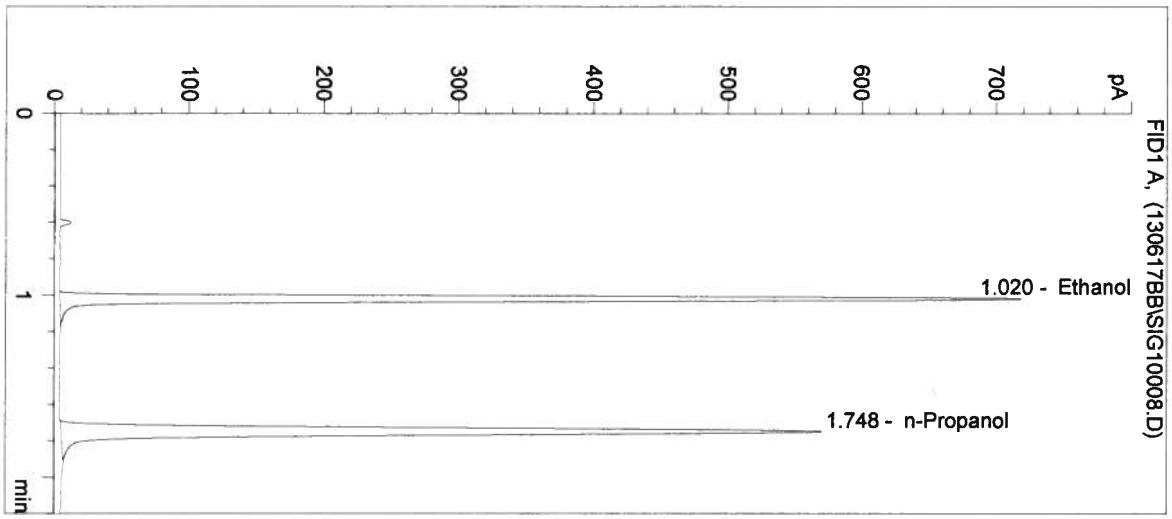
13021
13022

BB

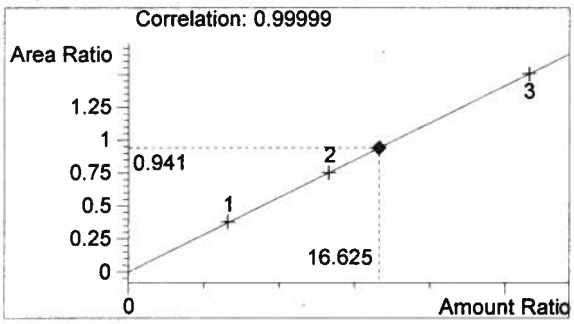
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 10:04:30 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

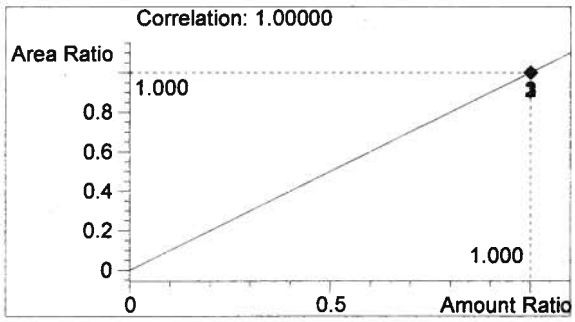
Sample Name: 0.20 CTRL- BB
Operator: Brittany Ball
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1437	1.020
2	n-Propanol	1528	1.748



Ethanol 0.199 g/100mL



n-Propanol 0.012 g/100mL

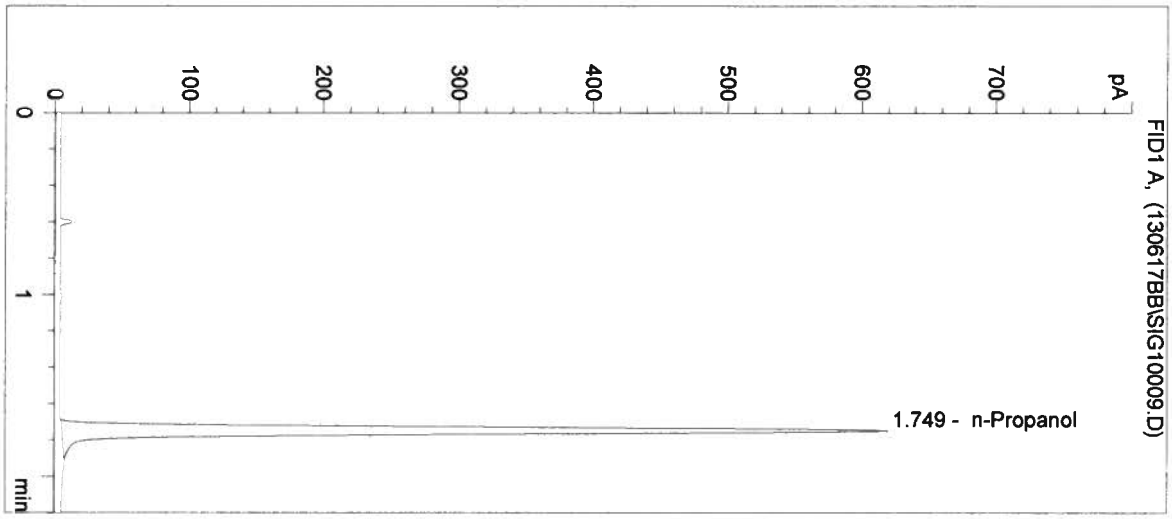
13021
13022

BB

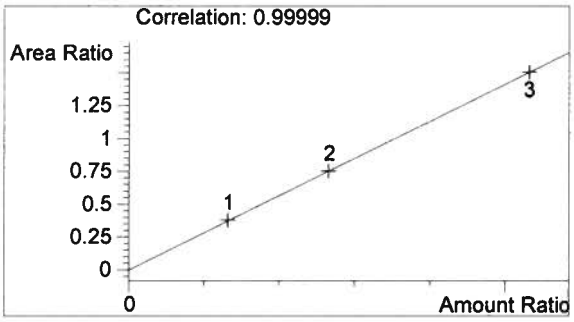
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 10:07:38 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

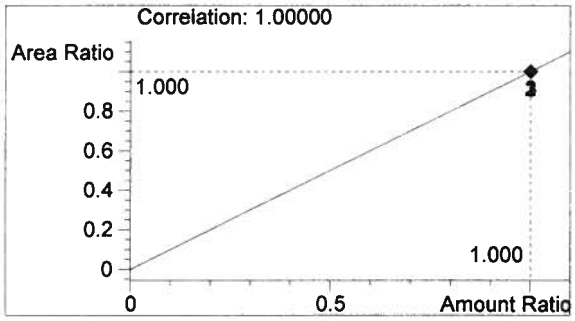
Sample Name: NEG CTRL- BB
Operator: Brittany Ball
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1657	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

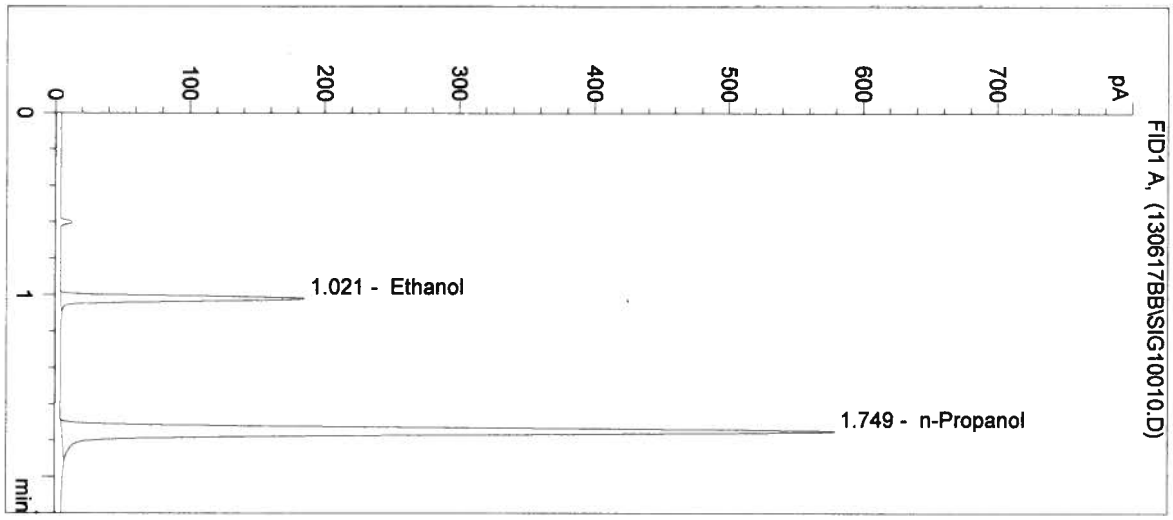
1 3 0 2 1
1 3 0 2 2

BB

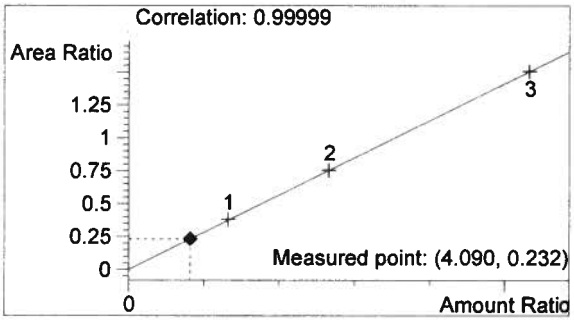
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 10:10:45 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

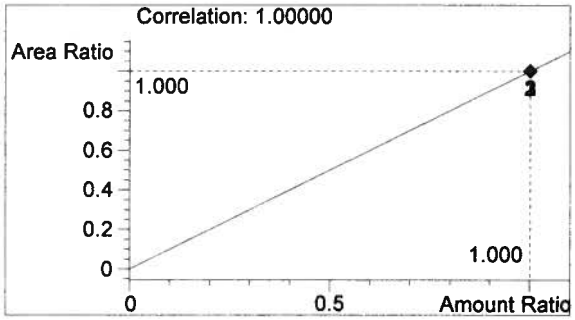
Sample Name: QAP0.04 13021 #1
Operator: Brittany Ball
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	360	1.021
2	n-Propanol	1552	1.749



Ethanol 0.049 g/100mL



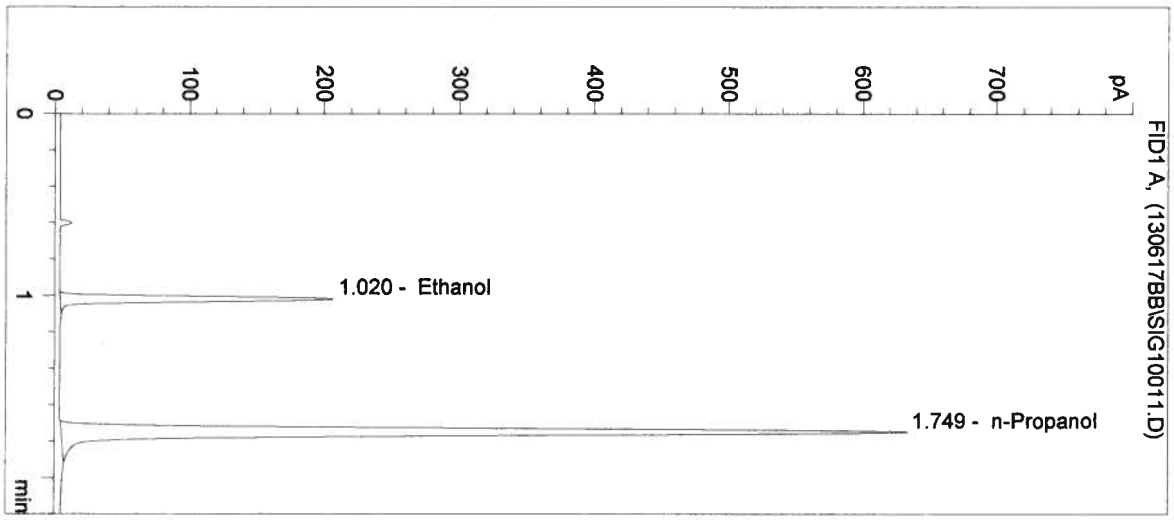
n-Propanol 0.012 g/100mL

BB

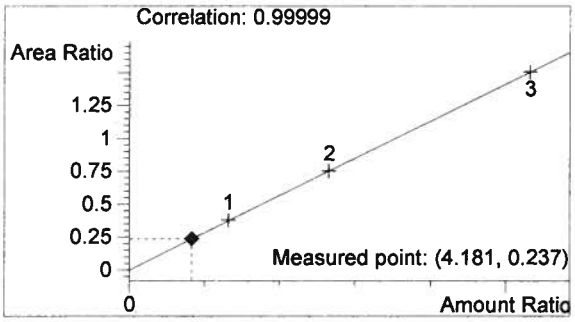
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 10:13:53 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

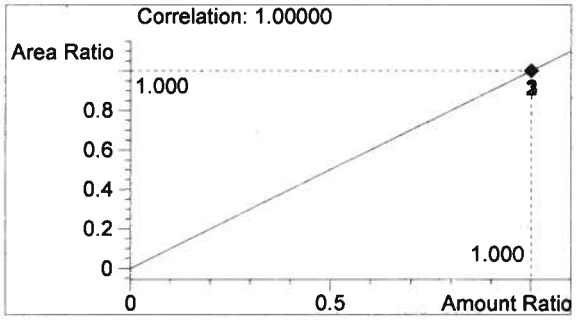
Sample Name: QAP0.04 13021 #2
Operator: Brittany Ball
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	403	1.020
2	n-Propanol	1700	1.749



Ethanol 0.050 g/100mL



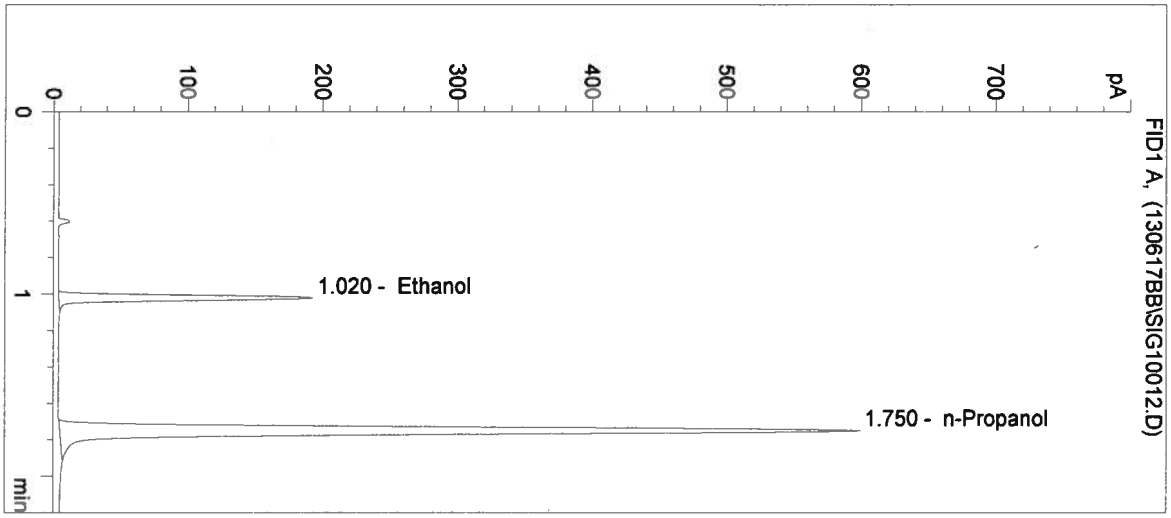
n-Propanol 0.012 g/100mL

BB

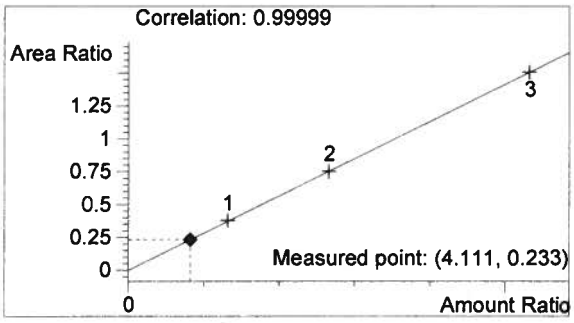
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 10:17:00 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

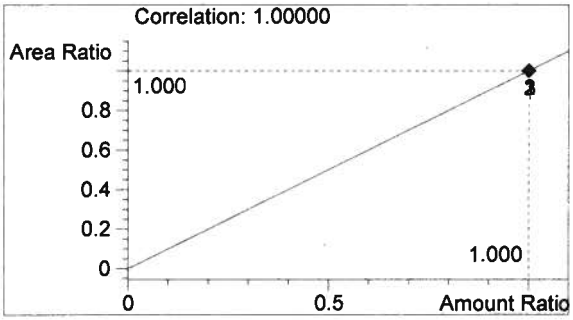
Sample Name: QAP0.04 13021 #3
Operator: Brittany Ball
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	375	1.020
2	n-Propanol	1607	1.750



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

BB

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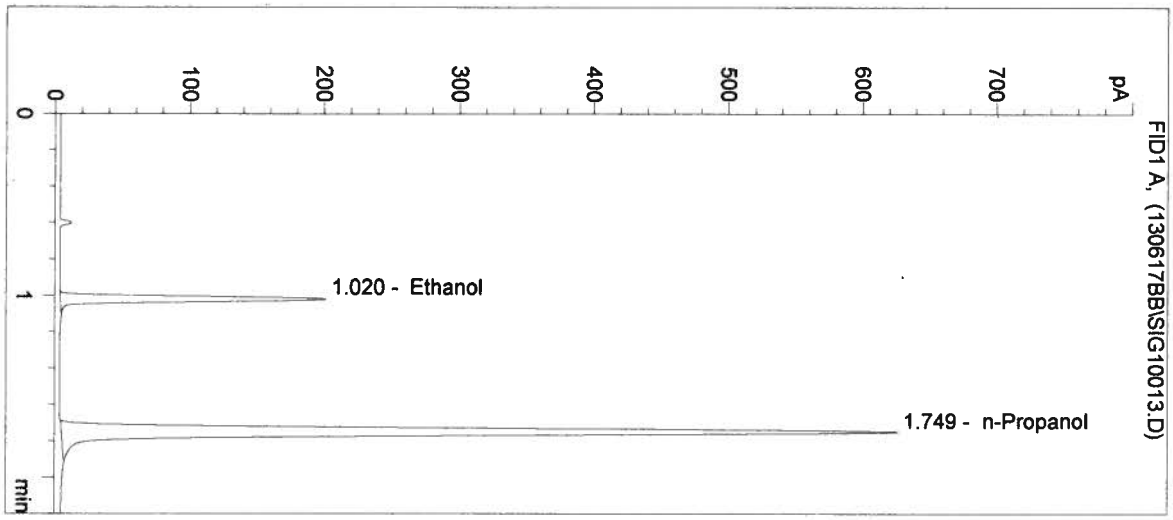
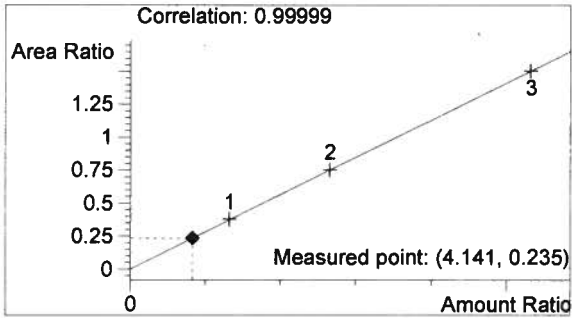
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 10:20:08 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

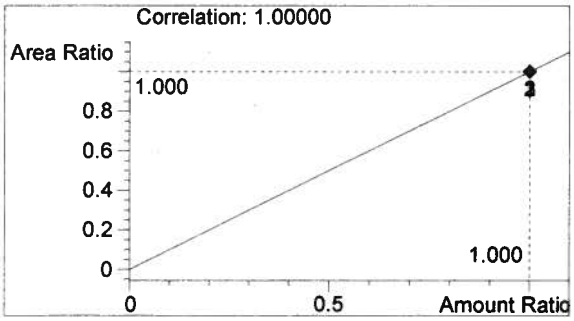
Sample Name: QAP0.04 13021 #4
Operator: Brittany Ball
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	395	1.020
2	n-Propanol	1682	1.749



Ethanol 0.050 g/100mL



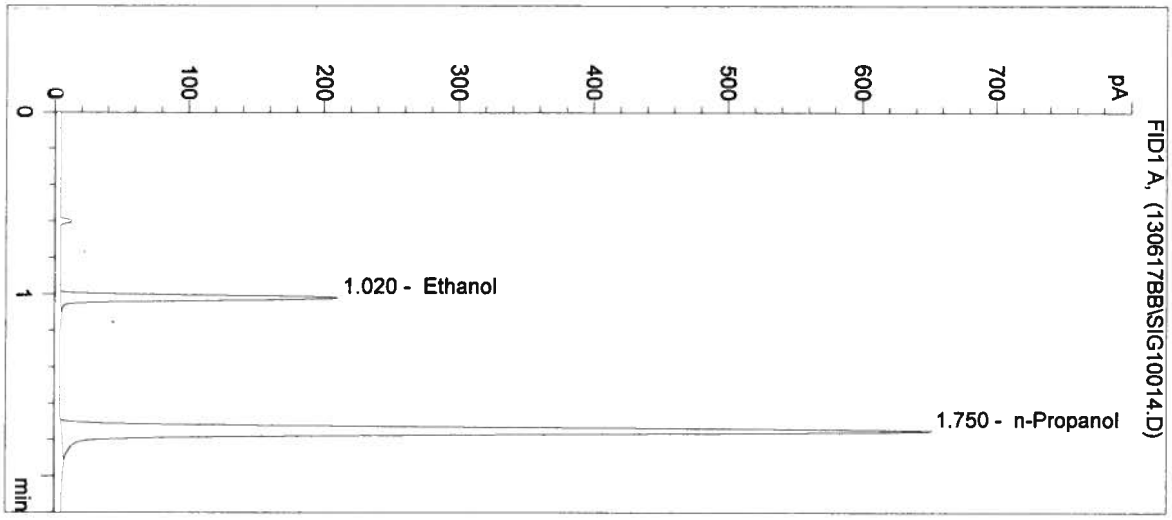
n-Propanol 0.012 g/100mL

BB

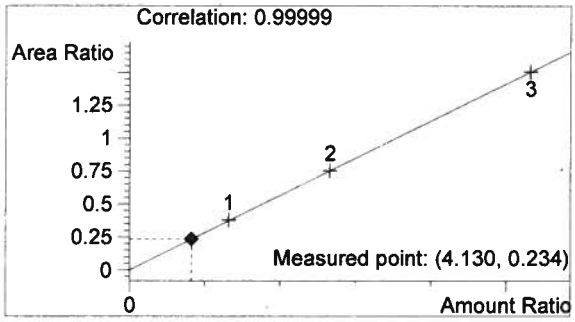
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 10:23:16 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

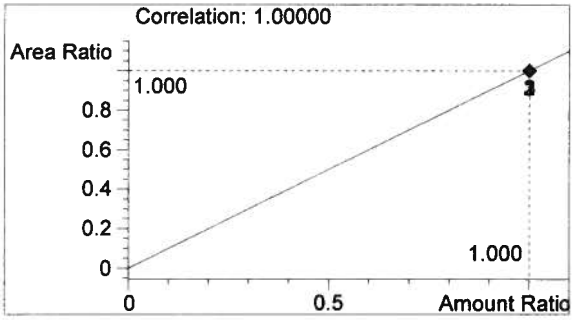
Sample Name: QAP0.04 13021 #5
Operator: Brittany Ball
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	410	1.020
2	n-Propanol	1748	1.750



Ethanol 0.050 g/100mL



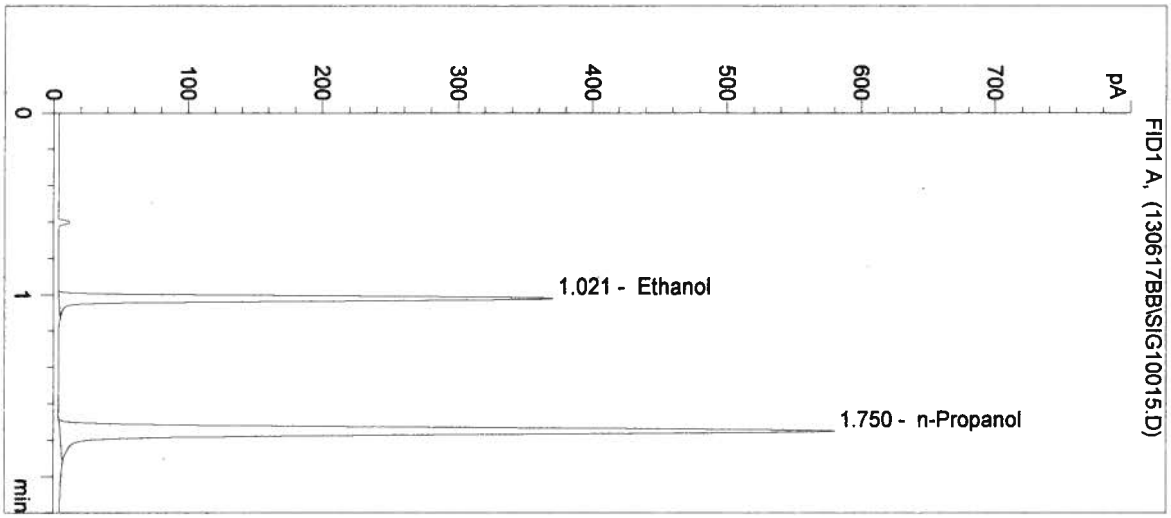
n-Propanol 0.012 g/100mL

B3

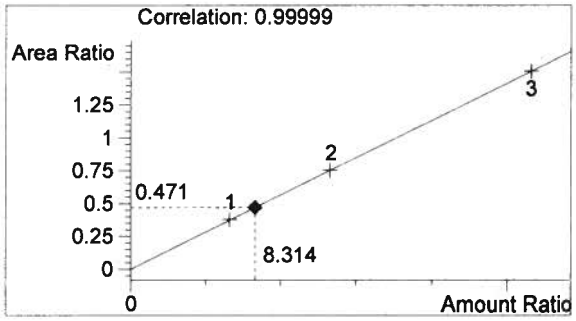
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 10:26:23 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

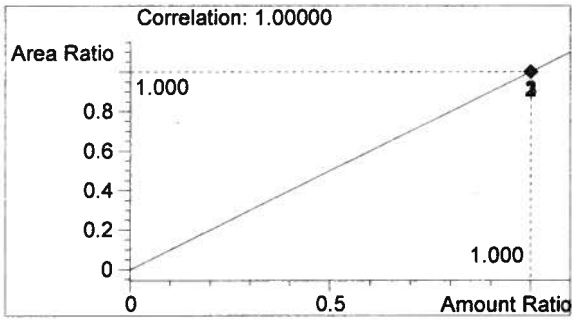
Sample Name: 0.10 CTRL- BB
Operator: Brittany Ball
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	731	1.021
2	n-Propanol	1553	1.750



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

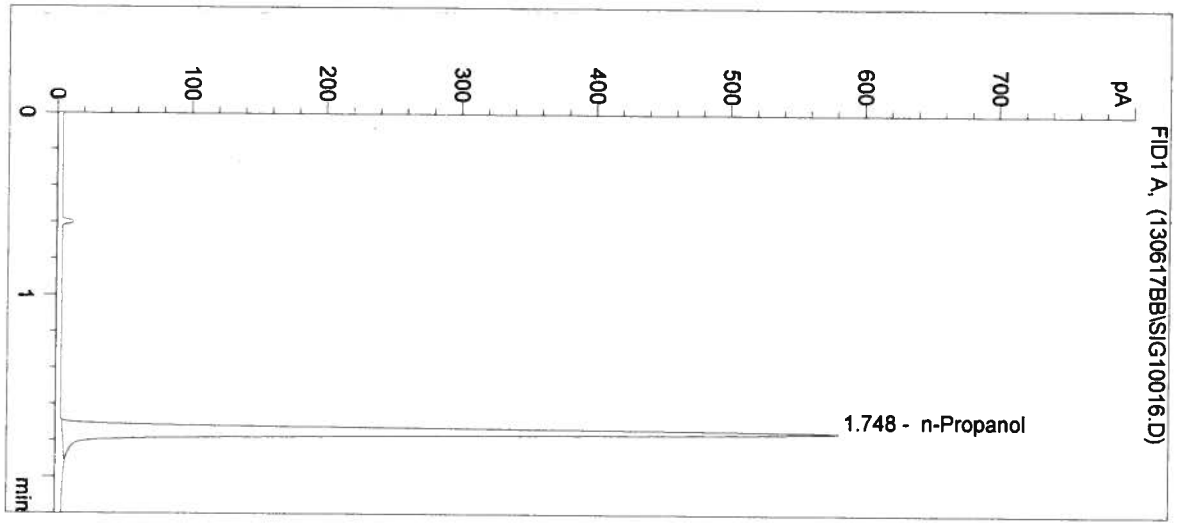
13021

BB

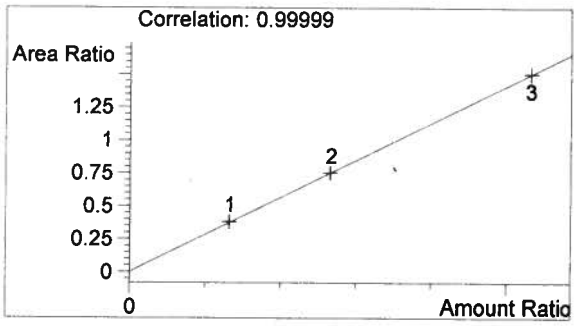
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 10:29:31 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

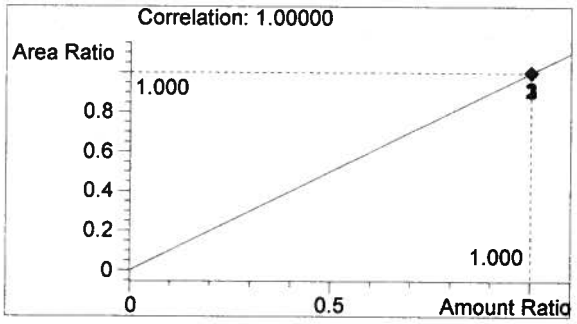
Sample Name: NEG CTRL- BB
Operator: Brittany Ball
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1561	1.748



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13021

Data File: C:\HPCHEM\2\DATA\130617BB\SIG10016.D

BB

Sequence Parameters:

Operator:	Lyndsey Lowe
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	130617LL
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:

Cal 1 (0.079 g/100mL) - Lot#E0213-01 - Exp 8/20/13
Cal 2 (0.158 g/100mL) - Lot#E0213-02 - Exp 8/20/13
Cal 3 (0.316 g/100mL) - Lot#E0213-03 - Exp 8/20/13

CTRL 1 (0.04 g/100mL) - Lot#A088613 - Exp 09/2016
CTRL 2 (0.10 g/100mL) - Lot#A090924 - Exp 01/2017
CTRL 3 (0.20 g/100mL) - Lot#A093219 - Exp 05/2017

n-Propanol ISTD - Lot# P0513 - Exp 08/02/13

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	Neg Control	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Control	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Control	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Control	SIMALC3	1	Ctrl Samp		
9	Vial 9	Neg Control	SIMALC3	1	Ctrl Samp		
10	Vial 10	QAP 13021 0.04 1	SIMALC3	1	Sample		
11	Vial 11	QAP 13021 0.04 2	SIMALC3	1	Sample		
12	Vial 12	QAP 13021 0.04 3	SIMALC3	1	Sample		
13	Vial 13	QAP 13021 0.04 4	SIMALC3	1	Sample		
14	Vial 14	QAP 13021 0.04 5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control	SIMALC3	1	Ctrl Samp		
16	Vial 16	Neg Control	SIMALC3	1	Ctrl Samp		
17	Vial 17	QAP 13022 0.08 1	SIMALC3	1	Sample		
18	Vial 18	QAP 13022 0.08 2	SIMALC3	1	Sample		
19	Vial 19	QAP 13022 0.08 3	SIMALC3	1	Sample		
20	Vial 20	QAP 13022 0.08 4	SIMALC3	1	Sample		
21	Vial 21	QAP 13022 0.08 5	SIMALC3	1	Sample		
22	Vial 22	0.10 Control	SIMALC3	1	Ctrl Samp		
23	Vial 23	Neg Control	SIMALC3	1	Ctrl Samp		
24	Vial 24	QAP 13025 0.10 1	SIMALC3	1	Sample		
25	Vial 25	QAP 13025 0.10 2	SIMALC3	1	Sample		
26	Vial 26	QAP 13025 0.10 3	SIMALC3	1	Sample		

13021
13022
13025
13026
130617LL

LL

Sequence: C:\HPCHEM\2\SEQUENCE\LLQAP2.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	QAP 13025 0.10 4	SIMALC3	1	Sample		
28	Vial 28	QAP 13025 0.10 5	SIMALC3	1	Sample		
29	Vial 29	0.10 Control	SIMALC3	1	Ctrl Samp		
30	Vial 30	Neg Control	SIMALC3	1	Ctrl Samp		
31	Vial 31	QAP 13026 0.15 1	SIMALC3	1	Sample		
32	Vial 32	QAP 13026 0.15 2	SIMALC3	1	Sample		
33	Vial 33	QAP 13026 0.15 3	SIMALC3	1	Sample		
34	Vial 34	QAP 13026 0.15 4	SIMALC3	1	Sample		
35	Vial 35	QAP 13026 0.15 5	SIMALC3	1	Sample		
36	Vial 36	0.10 Control	SIMALC3	1	Ctrl Samp		
37	Vial 37	Neg Control	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

13021

13022

13025

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130617LL

LL

Calibration Table

Calib. Data Modified : Monday, June 17, 2013 2:28:48 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.020	1	1	7.93800e-2	588.46411	1.34894e-4	1		Ethanol
		2	1.59660e-1	1152.53418	1.38530e-4			
		3	3.19080e-1	2154.60425	1.48092e-4			
1.746	1	1	1.20000e-2	1563.60168	7.67459e-6	I1		n-Propanol
		2	1.20000e-2	1551.02991	7.73679e-6			
		3	1.20000e-2	1495.29272	8.02518e-6			

Peak Sum Table

No Entries in table

13021
13022
13025
13026

1304172

LL

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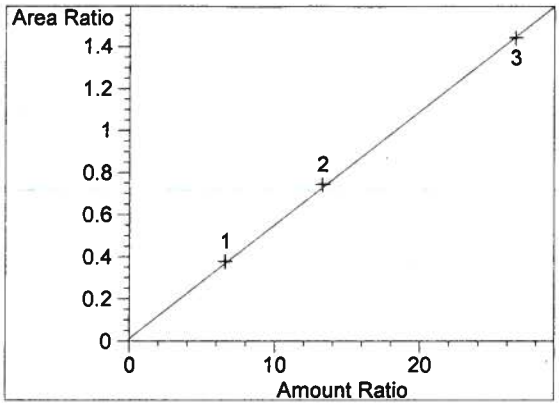
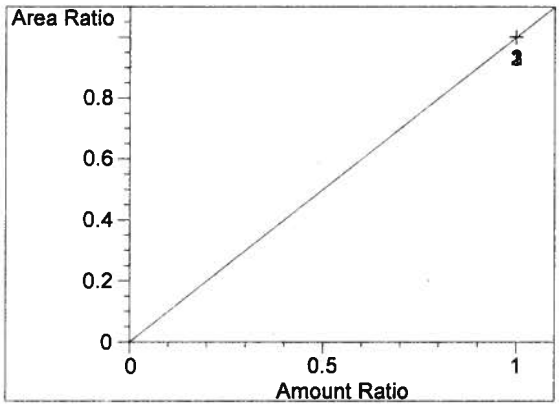
Calibration Curves

==========



Ethanol at exp. RT: 1.020
FID1 A,
Correlation: 0.99982
Residual Std. Dev.: 0.01415
Formula: y = mx + b
m: 5.40545e-2
b: 1.15690e-2
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.746
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

13021
13022
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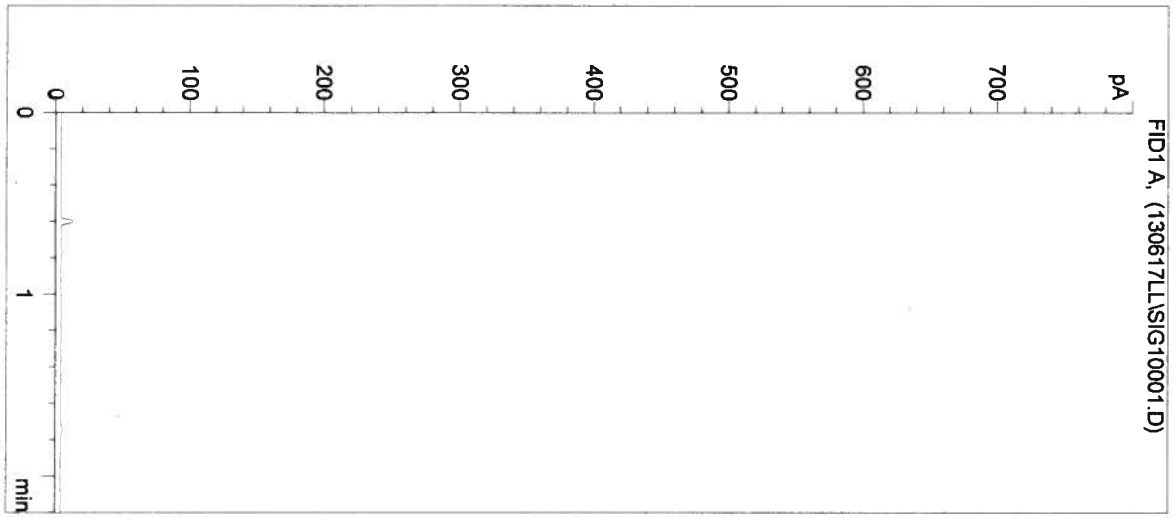
130617LL

LL

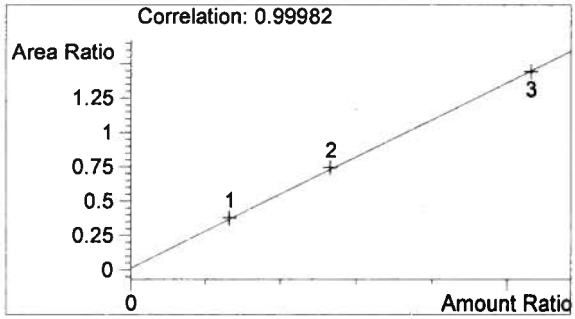
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 2:17:13 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

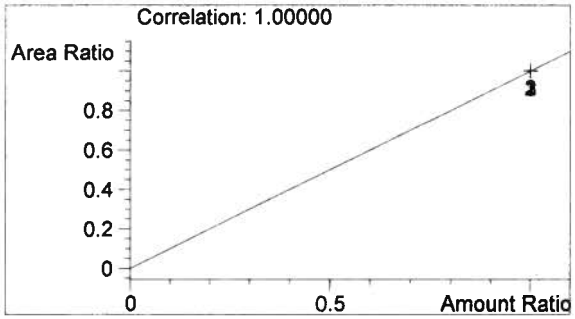
Sample Name: BLANK
Operator: Lyndsey Lowe
Location: Vial 1



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

13021
13022
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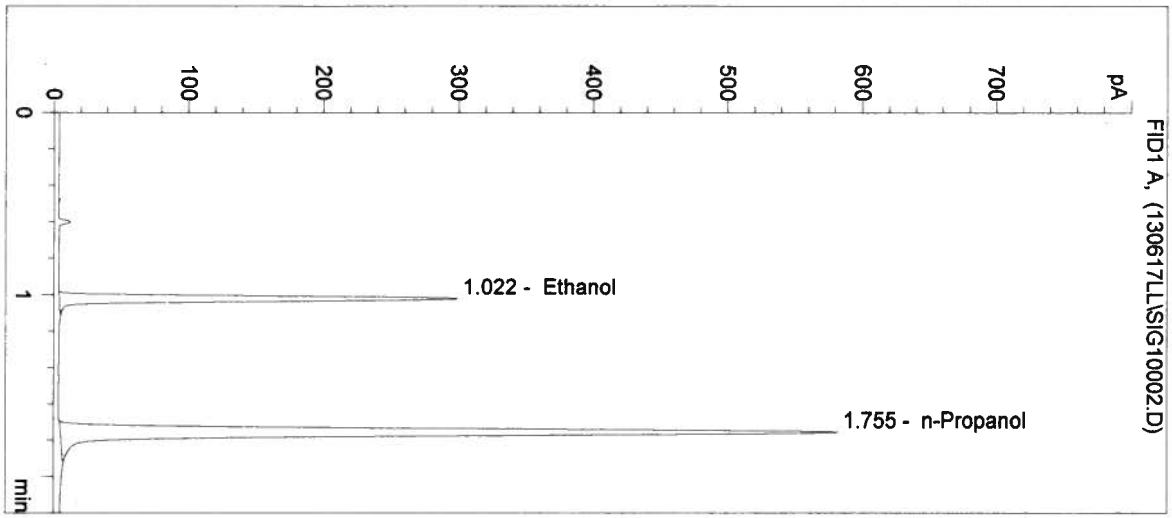
13026

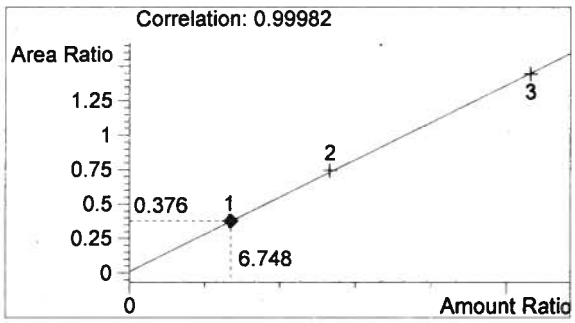
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 2:20:21 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

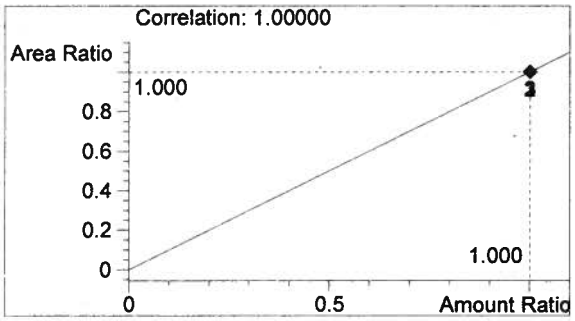
Sample Name: 0.079 CAL 1
Operator: Lyndsey Lowe
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	588	1.022
2	n-Propanol	1564	1.755



Ethanol 0.081 g/100mL



n-Propanol 0.012 g/100mL

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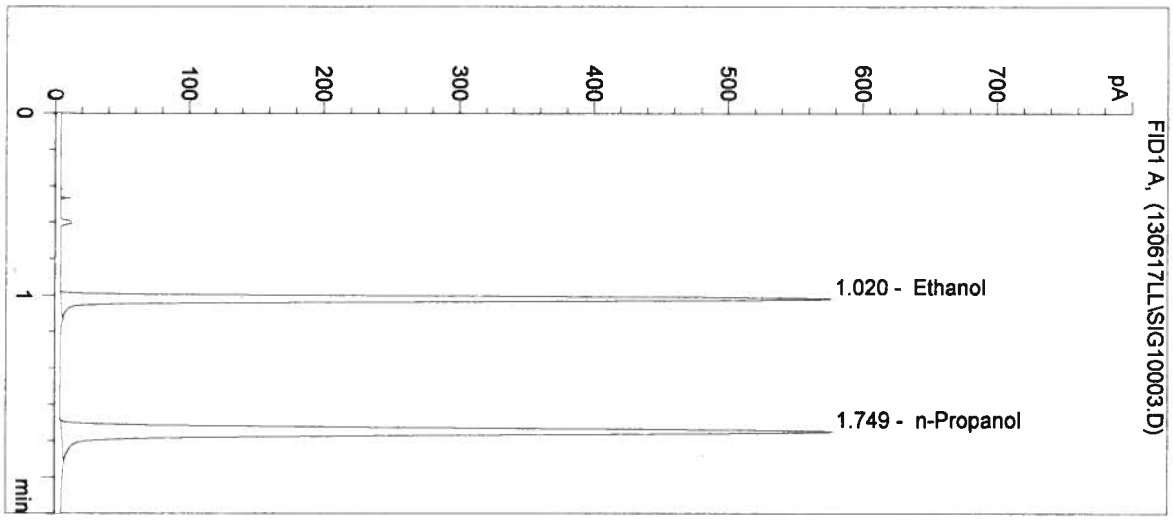
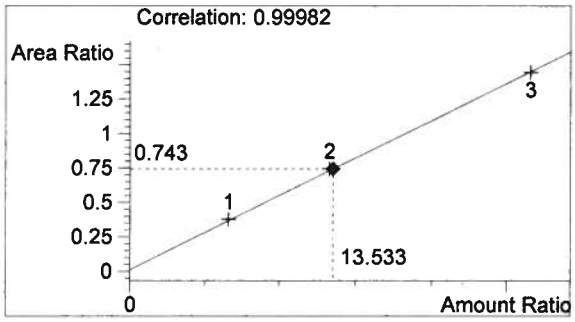
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 2:23:28 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

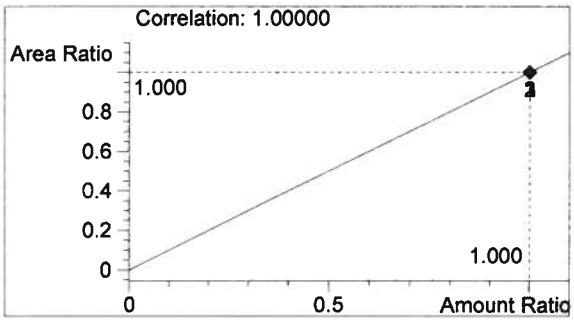
Sample Name: 0.158 CAL 2
Operator: Lyndsey Lowe
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1153	1.020
2	n-Propanol	1551	1.749



Ethanol 0.162 g/100mL



n-Propanol 0.012 g/100mL

13021
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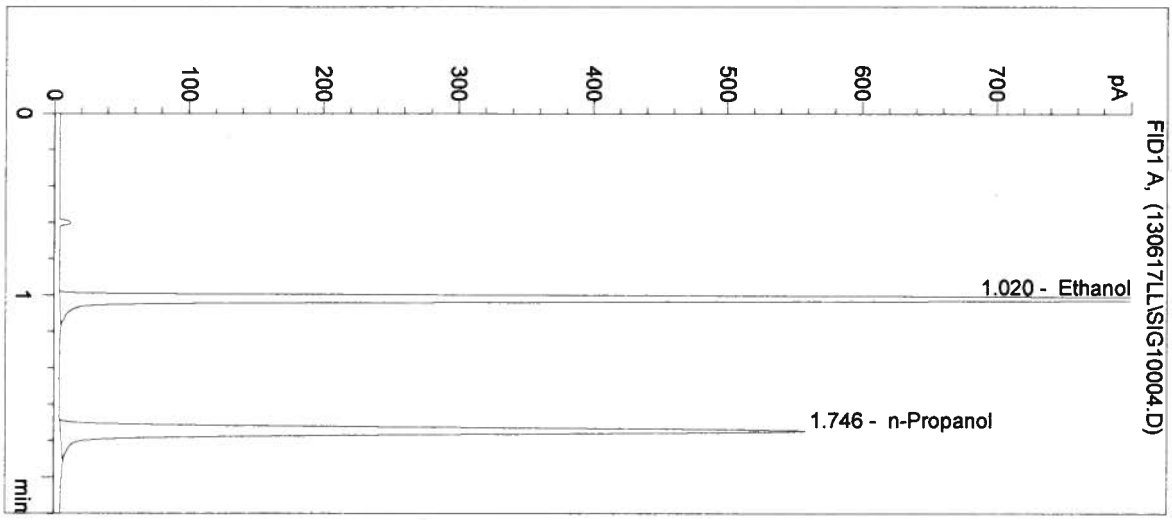
W

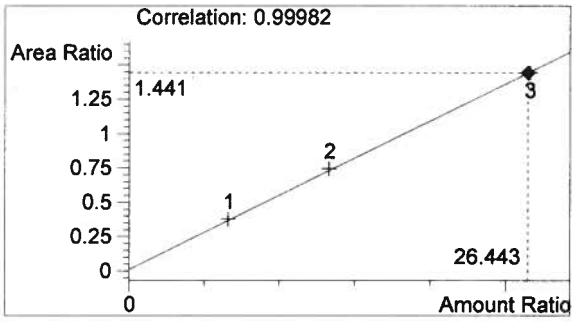
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 2:26:36 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

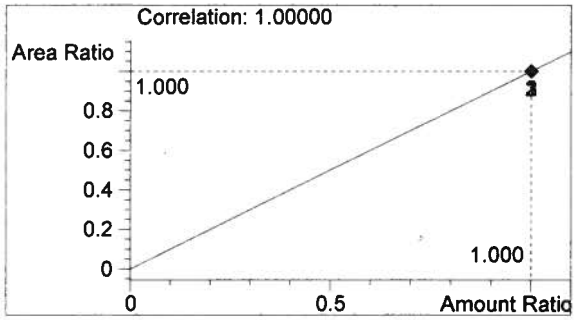
Sample Name: 0.316 CAL 3
Operator: Lyndsey Lowe
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2155	1.020
2	n-Propanol	1495	1.746



Ethanol 0.317 g/100mL



n-Propanol 0.012 g/100mL

13021
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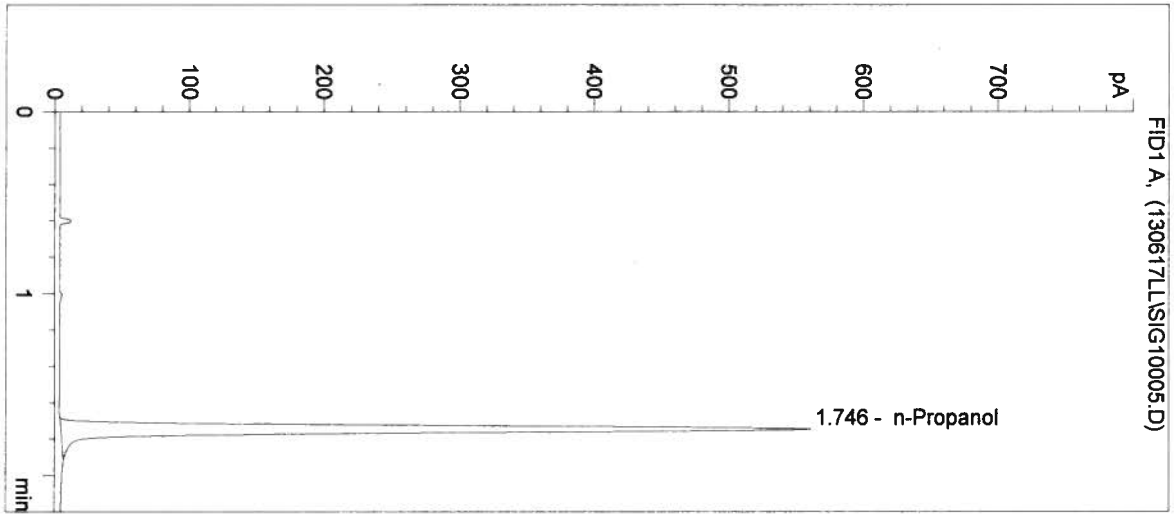
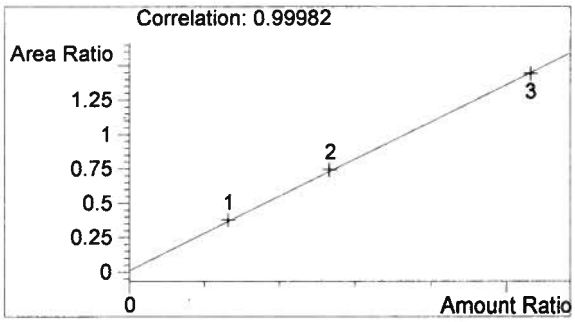
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 2:29:44 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

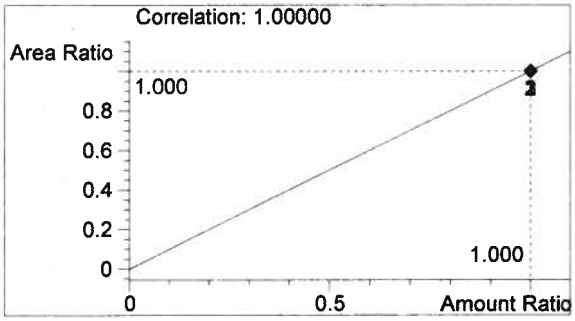
Sample Name: Neg Control
Operator: Lyndsey Lowe
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1503	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13021
13022
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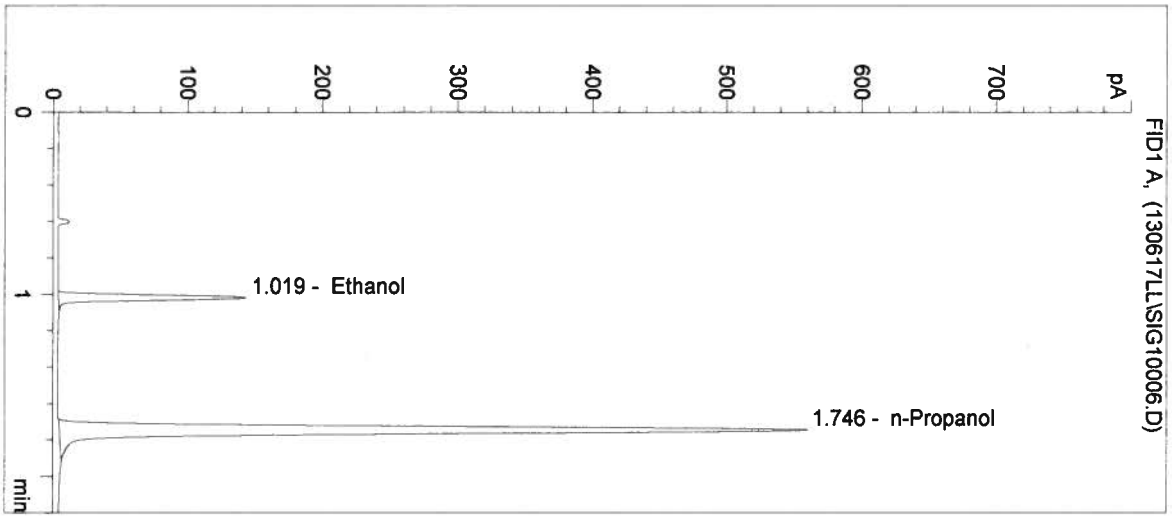
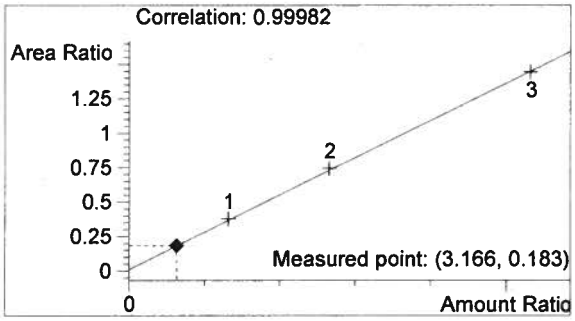
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 2:32:51 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

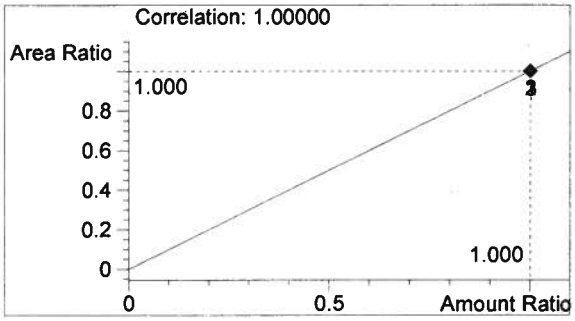
Sample Name: 0.04 Control
Operator: Lyndsey Lowe
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	274	1.019
2	n-Propanol	1501	1.746



Ethanol 0.038 g/100mL



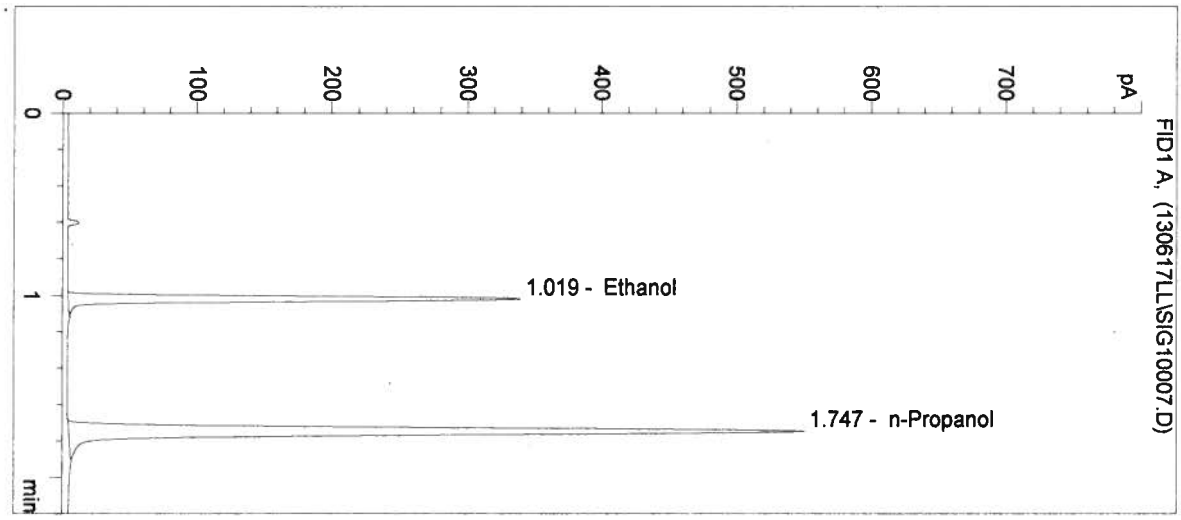
n-Propanol 0.012 g/100mL

13021
13022
13025
13026

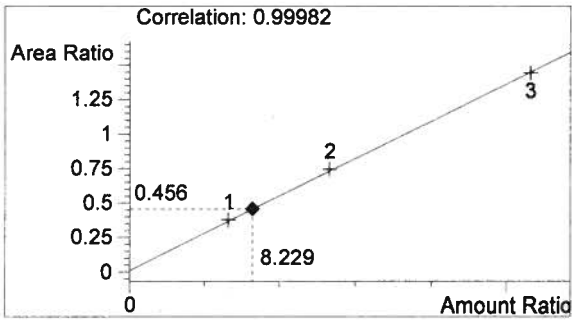
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 2:35:59 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

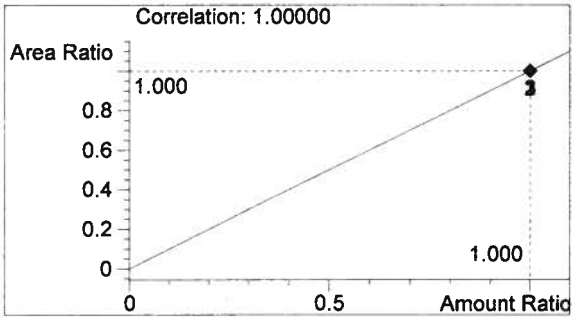
Sample Name: 0.10 Control
Operator: Lyndsey Lowe
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	676	1.019
2	n-Propanol	1481	1.747



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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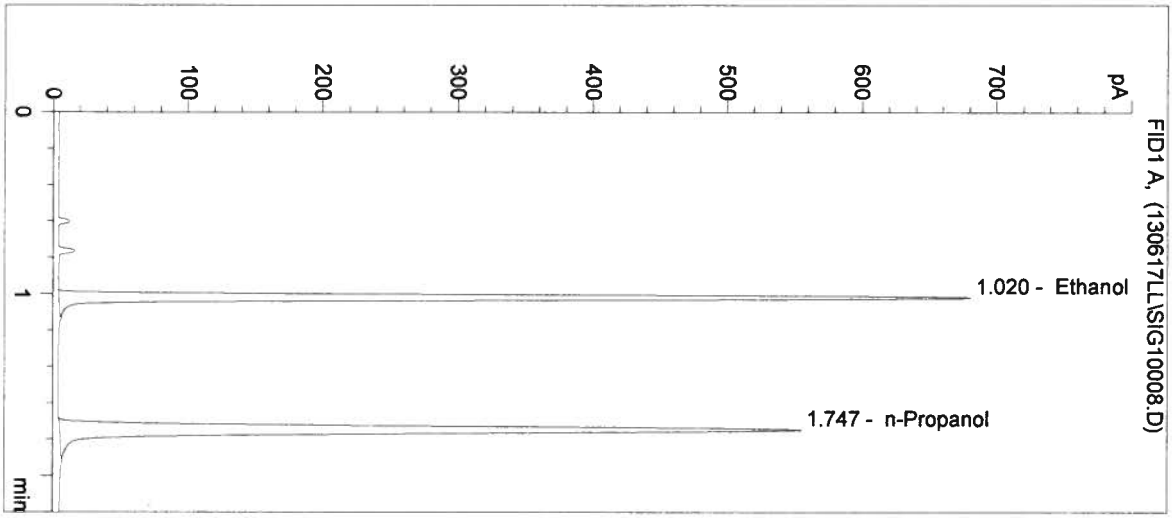
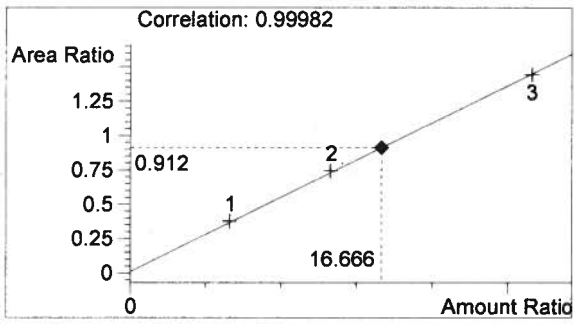
Inj. Date: 6/17/2013 2:39:06 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

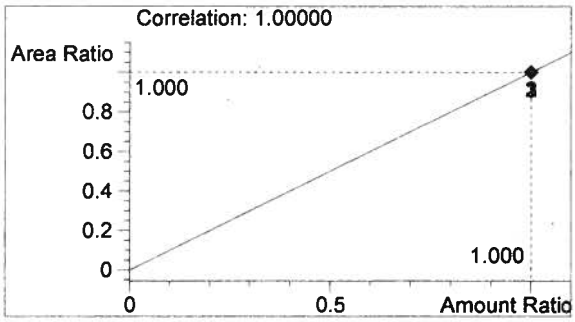
Sample Name: 0.20 Control
Operator: Lyndsey Lowe
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1361	1.020
2	n-Propanol	1492	1.747



Ethanol 0.200 g/100mL



n-Propanol 0.012 g/100mL

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Washington State Patrol Toxicology Laboratory
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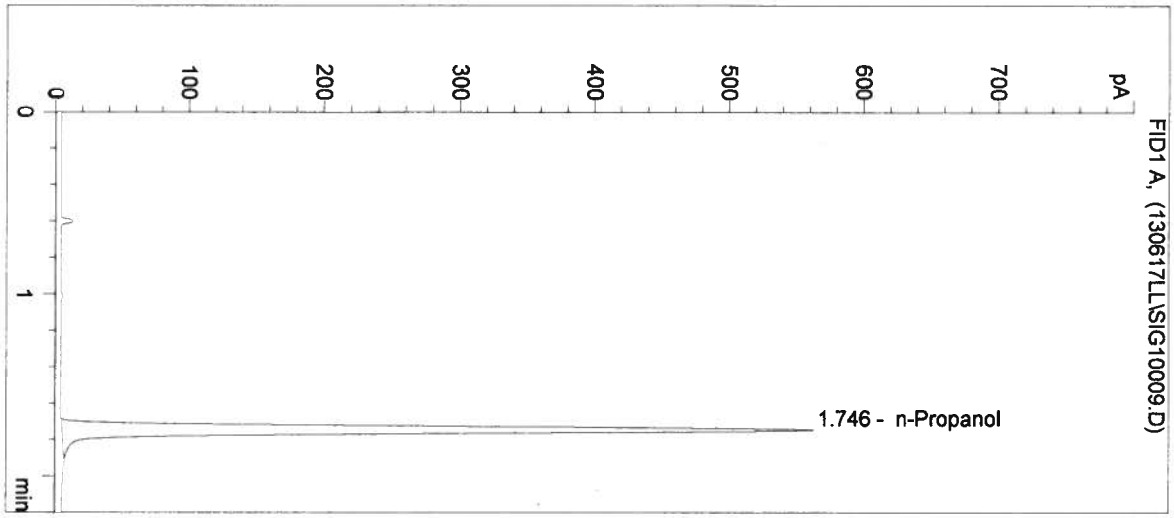
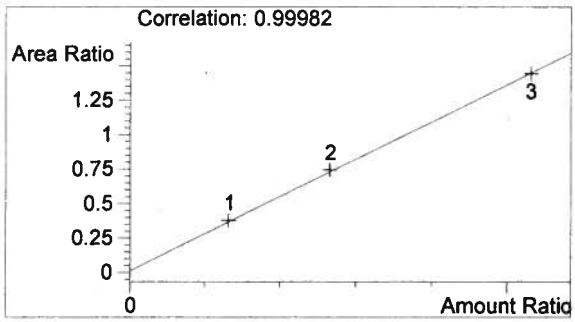
Inj. Date: 6/17/2013 2:42:14 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

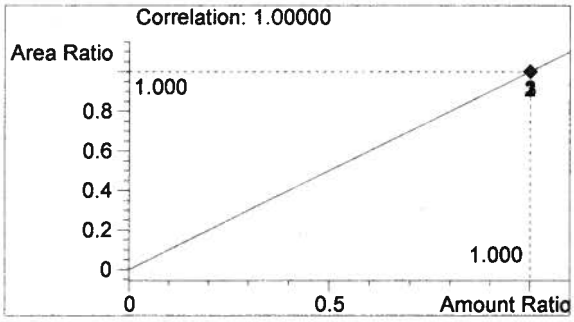
Sample Name: Neg Control
Operator: Lyndsey Lowe
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1510	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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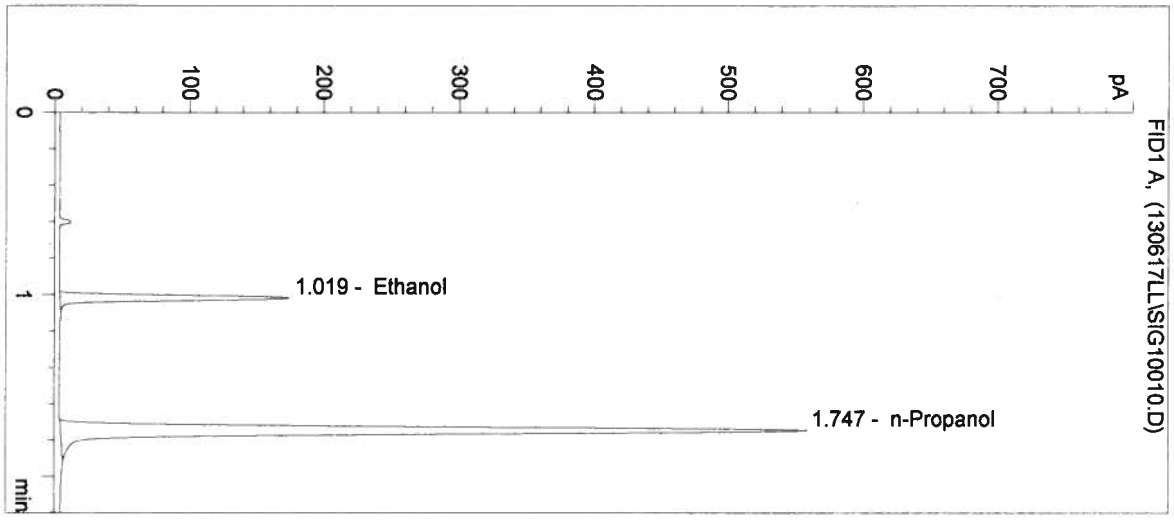
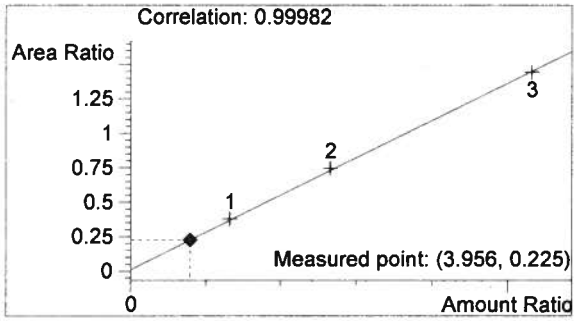
Inj. Date: 6/17/2013 2:45:21 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

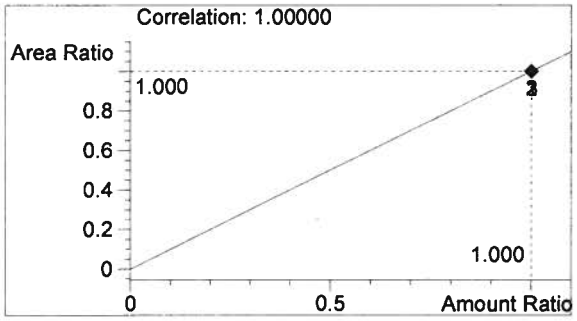
Sample Name: QAP 13021 0.04 1
Operator: Lyndsey Lowe
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	338	1.019
2	n-Propanol	1499	1.747



Ethanol 0.047 g/100mL



n-Propanol 0.012 g/100mL

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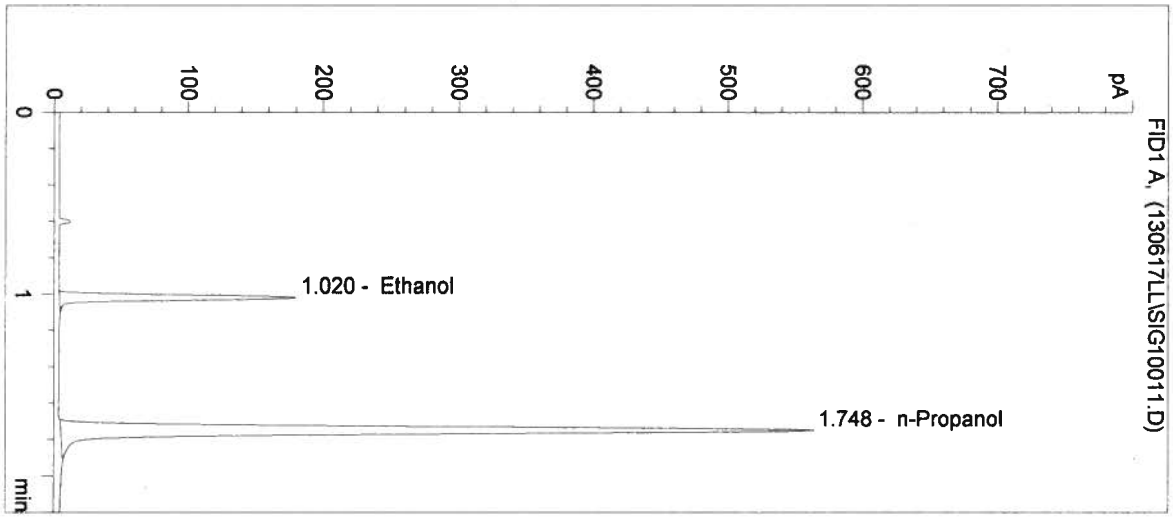
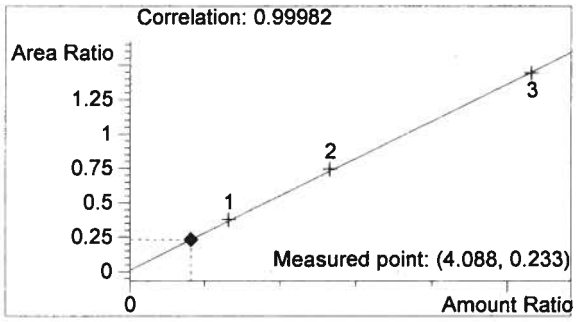
Inj. Date: 6/17/2013 2:48:29 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

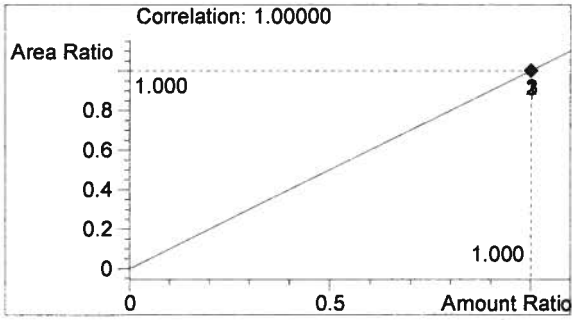
Sample Name: QAP 13021 0.04 2
Operator: Lyndsey Lowe
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	351	1.020
2	n-Propanol	1511	1.748



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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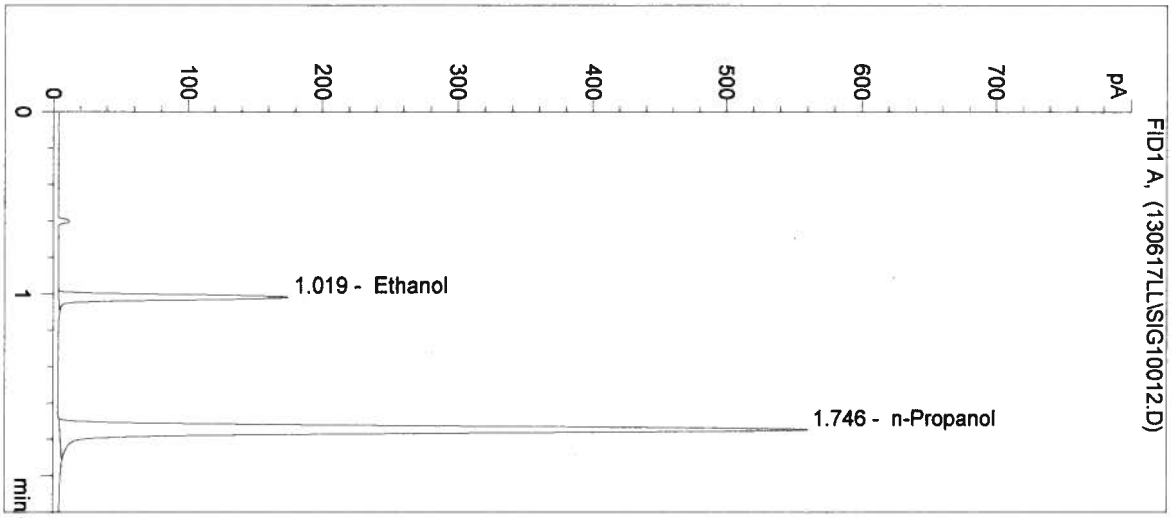
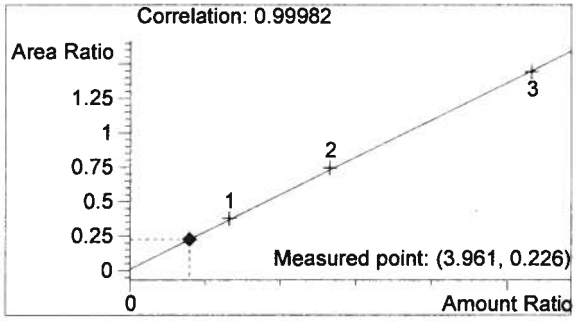
Inj. Date: 6/17/2013 2:51:37 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

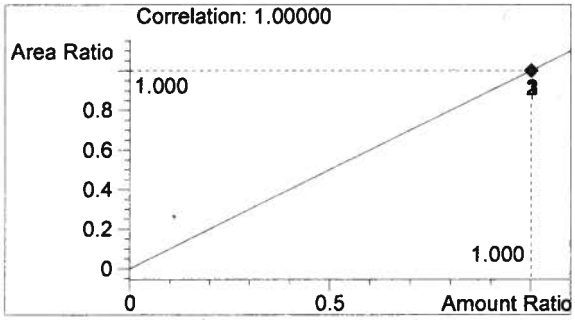
Sample Name: QAP 13021 0.04 3
Operator: Lyndsey Lowe
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	340	1.019
2	n-Propanol	1506	1.746



Ethanol 0.048 g/100mL



n-Propanol 0.012 g/100mL

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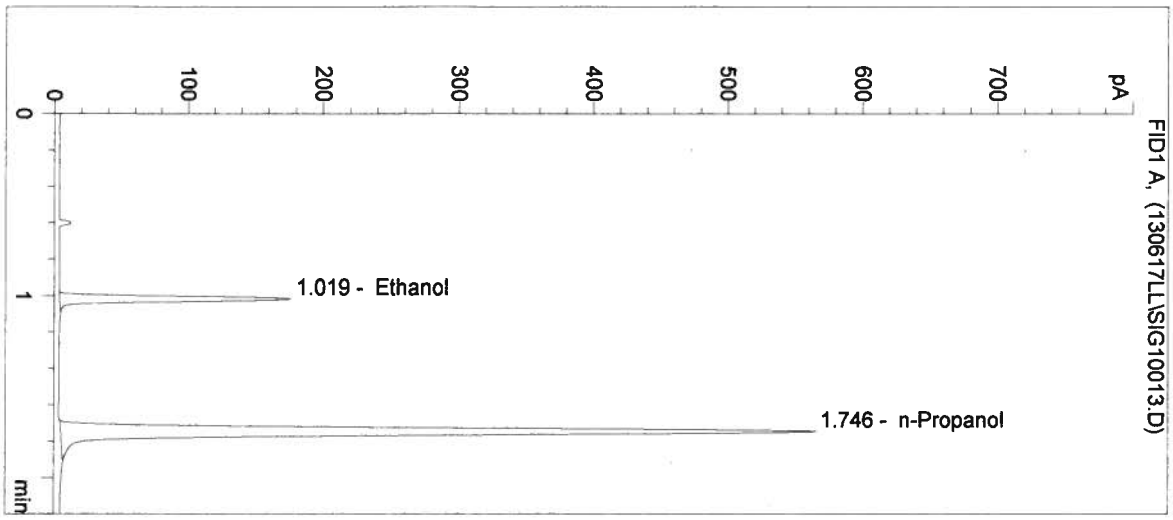
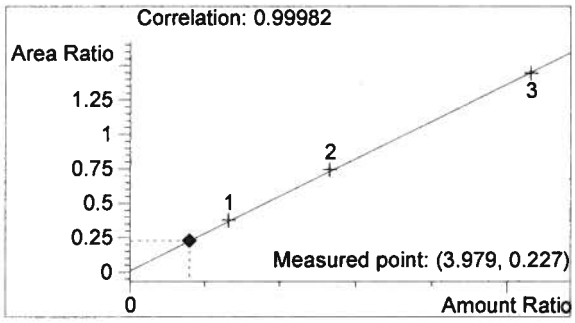
Inj. Date: 6/17/2013 2:54:44 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

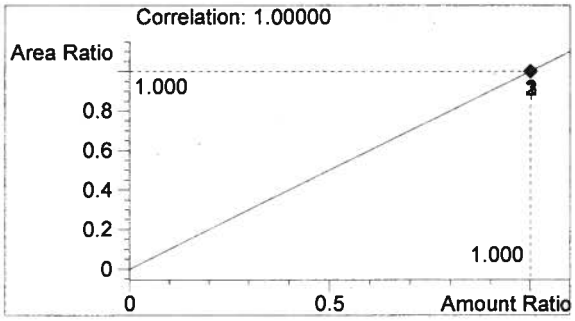
Sample Name: QAP 13021 0.04 4
Operator: Lyndsey Lowe
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	344	1.019
2	n-Propanol	1517	1.746



Ethanol 0.048 g/100mL



n-Propanol 0.012 g/100mL

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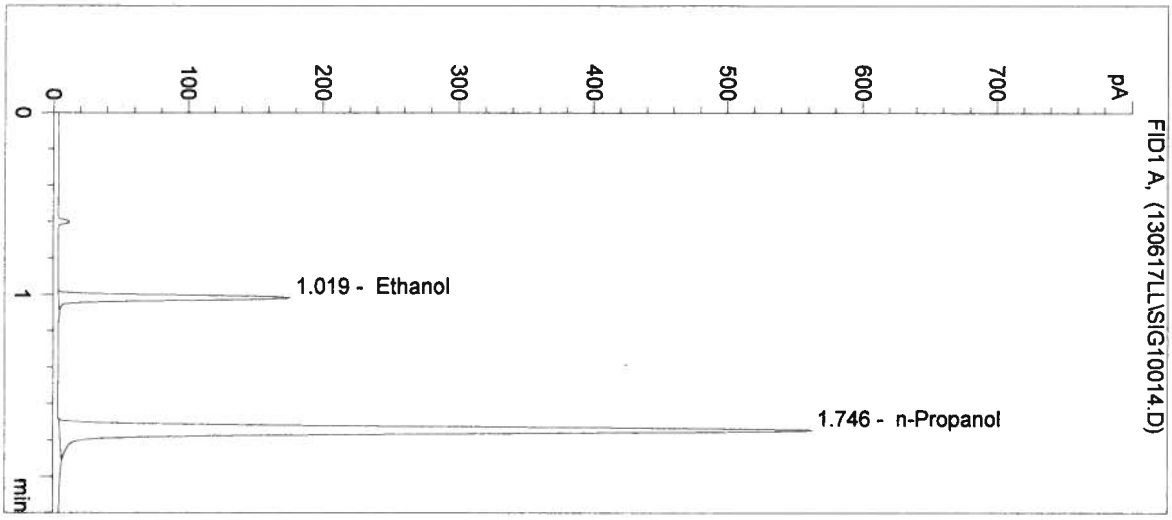
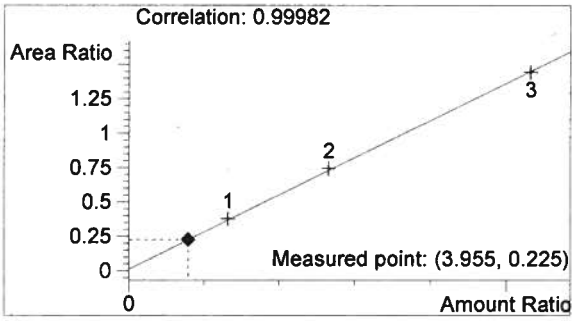
Inj. Date: 6/17/2013 2:57:52 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

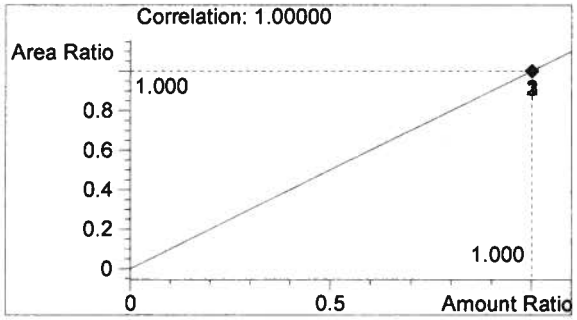
Sample Name: QAP 13021 0.04 5
Operator: Lyndsey Lowe
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	340	1.019
2	n-Propanol	1509	1.746



Ethanol 0.047 g/100mL



n-Propanol 0.012 g/100mL

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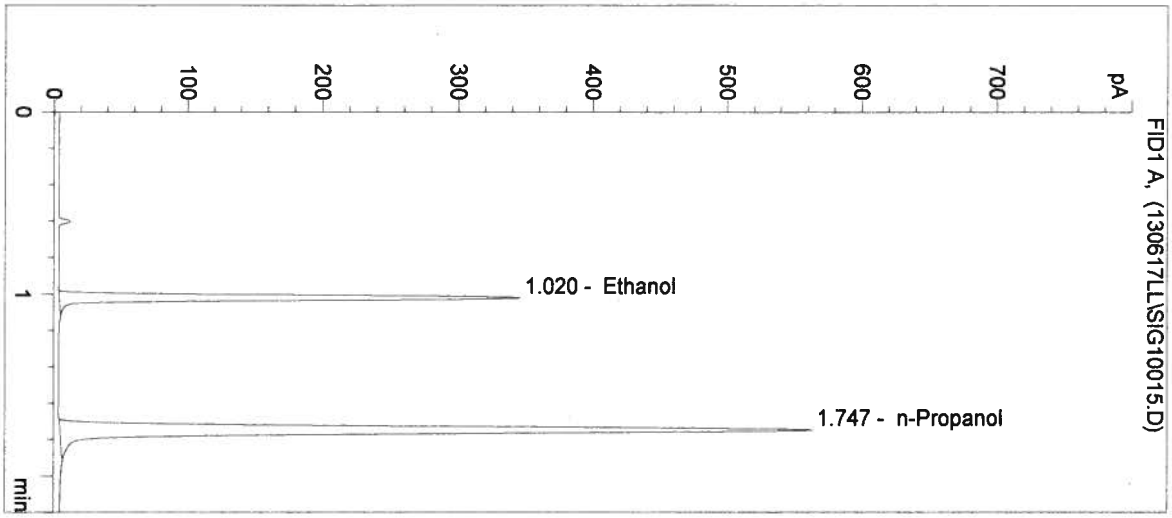
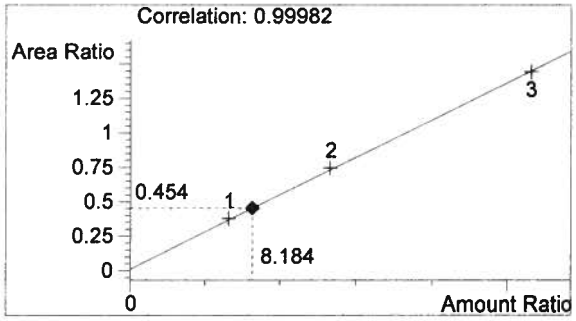
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 3:00:59 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

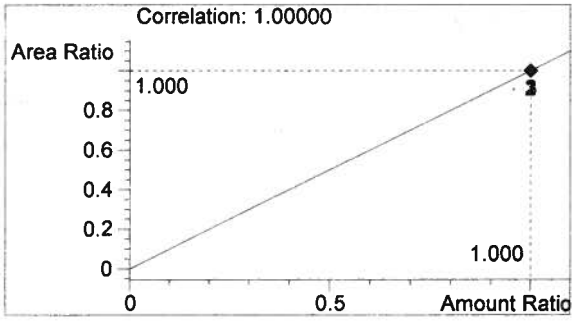
Sample Name: 0.10 Control
Operator: Lyndsey Lowe
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	687	1.020
2	n-Propanol	1514	1.747



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

13021

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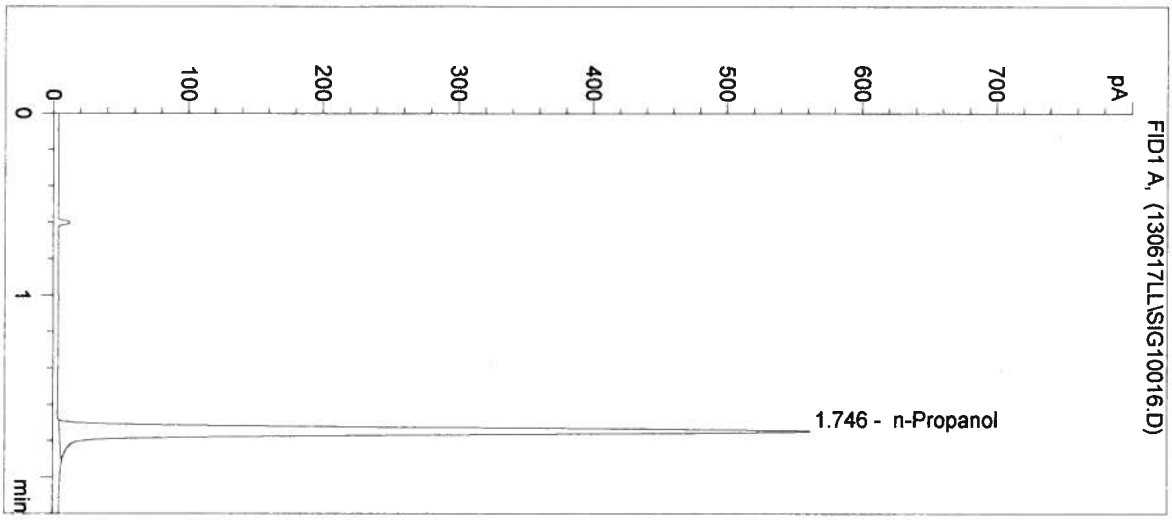
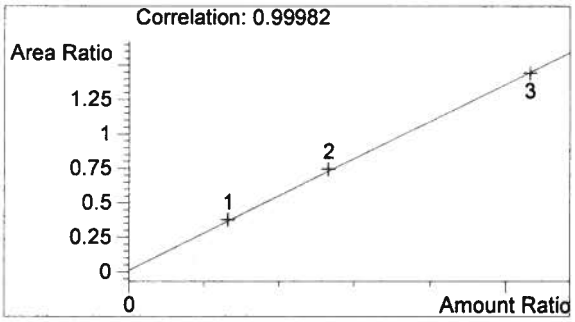
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/17/2013 3:04:07 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

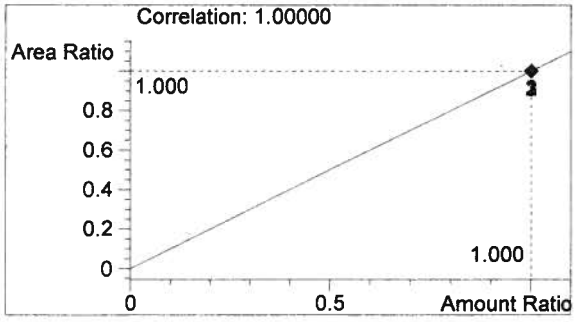
Sample Name: Neg Control
Operator: Lyndsey Lowe
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1507	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13021