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

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/16/2009

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 13001

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: 01/04/2013
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Asa J. Louis

	AJL	CM	JLK
1	0.050	0.050	0.050
2	0.050	0.050	0.050
3	0.050	0.050	0.050
4	0.050	0.050	0.050
5	0.050	0.050	0.050
C	0.101	0.102	0.103

ETHANOL CONTROL INFORMATION
LOT NUMBER: A083355 EXPIRATION: 12/2015 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0500 g/100mL
STANDARD DEVIATION: 0.00000
PRECISION CV (%): 0.00
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0407 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0005 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FSS
Melissa L. Pemberton Forensic Scientist Supervisor

1.29.2013
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AJL	Asa J. Louis		01/04/2013
CM	Christie Mitchell-Mata	Christie Mitchell-Mata	01/10/2013
JLK	Justin L. Knoy	Justin L. Knoy	01/16/2013

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 #: 13001 **Date Prepared:** 1/4/2013

Analyst:	AJL	CM	JLK
Date Tested:	1/4/2013	1/10/2013	1/16/2013
Instrument:	HS#1	HS#1	HS#1
1	0.050	0.050	0.050
2	0.050	0.050	0.050
3	0.050	0.050	0.050
4	0.050	0.050	0.050
5	0.050	0.050	0.050
C	0.101	0.102	0.103

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000000000	0.0000320390	0.0001016326

Ethanol Control Lot #: A083355
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0500 g/100mL
Standard Deviation: 0.00000 g/100mL
Precision CV (%): 0.00
Equivalent Vapor Concentration: 0.0407 g/210L
Combined Standard Uncertainty (±): 0.0005 g/210L

Calculations performed by: Melissa L. Pemberton [signature] 1.18.13
Name Signature Date

Calculations verified by: Amanda M. Black [signature] 1-24-2013
Name Signature Date

Method: Hand calculation

Tech. review performed by: Melissa L. Pemberton [signature] 1.22.13
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black **Date:** 1-24-2013

Location: WSP-FLSB Seattle, WA **Solution Batch Number:** 13001

	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:** 1-24-2013

Reviewer Signature: N/A AB 1-24-13 **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
Asa Louis	AL	2013 JAN 18
Brianna Peterson		
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell-Mata	cm	1/18/13
Christopher Johnston		
Justin Knoy	JK	1-18-13
Lisa Noble		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 13001

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 13001

I, Asa J. Louis, 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: B.S. degree in Biochemistry and over ten years of toxicology experience.

The qap solution, Lot Number 13001, was prepared in the Washington State Toxicology Laboratory on 1/4/2013. 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 1/4/2014.

Seattle, WA

2013 JAN 8

Asa J. Louis — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 13001

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

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

I possess the following qualifications: BA degree in Chemistry, MFS degree in Forensic Science, and over four years experience in forensic toxicology.

The qap solution, Lot Number 13001, was prepared in the Washington State Toxicology Laboratory on 1/4/2013. 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 1/4/2014.

Seattle, WA

Christie Mitchell-Mata 4/18/2013

Christie Mitchell-Mata Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 13001

I, Justin L. Knoy, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biology, and MS degree in Forensic Science.

The qap solution, Lot Number 13001, was prepared in the Washington State Toxicology Laboratory on 1/4/2013. 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 1/4/2014.

Seattle, WA

1-18-13

Justin L. Knoy — 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: 2013 JAN 04 Initials of Preparer: [illegible]

Expiration Date: 2014 JAN 04

Lot # of 200-proof Ethanol used in preparation: 24J 0691

Date the 200-proof Ethanol bottle was opened: 2012 NOV 26

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	X	13001
QAP 0.08	22.4	18	X	13002
QAP 0.10	28.1	18	X	13003
QAP 0.15	42.0	18	X	13004
ESS	66.5	52		n/a

Stir bar is rotating [X]

Stirred for minimum 30 minutes; 2 hours for ESS [X]

Spigot purged [X]

Aliquot taken [X]

Batch labeled, packaged and sealed [X] 2013 JAN 04

2013 MAR 01 [illegible] Date

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

Comments:

Analyst Signature [signature] 2013 JAN 04 Date

WSP-TLD COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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

Preparation Date: 2013 JAN 04 Initials of Preparer: dl

Expiration Date: 2014 JAN 04

Lot # of 200-proof Ethanol used in preparation: 24J 0691

Date the 200-proof Ethanol bottle was opened: 2012 NOV 26

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	X	13001
QAP 0.08	22.4	18	X	13002
QAP 0.10	28.1	18	X	13003
QAP 0.15	42.0	18	X	13004
ESS	56.3	52		n/a

Corrected 03/11/2013

Stir bar is rotating	X
Stirred for minimum 30 minutes; 2 hours for ESS	X
Spigot purged	X
Aliquot taken	X
Batch labeled, packaged and sealed	☐

2013 JAN 04
Date

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

Comments:

Analyst Signature

2013 JAN 04
Date

Sequence: C:\HPCHEM\1\SEQUENCE\AL-QAP1.S

Sequence Parameters:

Operator:	asa louis
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	130104A1
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
cal 1 e0912-01 exp 03/06/2013
cal 2 e0912-02 exp 03/06/2013
cal 3 e0912-03 exp 03/06/2013
0.04 control - lot a088613 exp 09/2016
0.10 control - lot a083355 exp 12/2015
0.20 control - lot a084657 exp 02/2016
istd p1212

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC1	1	Sample		
2	Vial 2	0.079 cal 1	SIMALC1	1	Calib		
3	Vial 3	0.158 cal 2	SIMALC1	1	Calib		
4	Vial 4	0.316 cal 3	SIMALC1	1	Calib		
5	Vial 5	neg ctrl - al	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 ctrl - al	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 ctrl - al	SIMALC1	1	Ctrl Samp		
9	Vial 9	neg ctrl - al	SIMALC1	1	Ctrl Samp		
10	Vial 10	qap 13001 #1	SIMALC1	1	Sample		
11	Vial 11	qap 13001 #2	SIMALC1	1	Sample		
12	Vial 12	qap 13001 #3	SIMALC1	1	Sample		
13	Vial 13	qap 13001 #4	SIMALC1	1	Sample		
14	Vial 14	qap 13001 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg ctrl - al	SIMALC1	1	Ctrl Samp		
17	Vial 17	qap 13002 #1	SIMALC1	1	Sample		
18	Vial 18	qap 13002 #2	SIMALC1	1	Sample		
19	Vial 19	qap 13002 #3	SIMALC1	1	Sample		
20	Vial 20	qap 13002 #4	SIMALC1	1	Sample		
21	Vial 21	qap 13002 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
23	Vial 23	neg ctrl - al	SIMALC1	1	Ctrl Samp		
24	Vial 24	qap 13003 #1	SIMALC1	1	Sample		
25	Vial 25	qap 13003 #2	SIMALC1	1	Sample		
26	Vial 26	qap 13003 #3	SIMALC1	1	Sample		
27	Vial 27	qap 13003 #4	SIMALC1	1	Sample		
28	Vial 28	qap 13003 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
30	Vial 30	neg ctrl - al	SIMALC1	1	Ctrl Samp		
31	Vial 31	qap 13004 #1	SIMALC1	1	Sample		
32	Vial 32	qap 13004 #2	SIMALC1	1	Sample		

13001
13002
13003
13004

Calibration data in 13001 file.

AL
2013 JAN 07

Sequence: C:\HPCHEM\1\SEQUENCE\AL-QAP1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	qap 13004 #3	SIMALC1	1	Sample		
34	Vial 34	qap 13004 #4	SIMALC1	1	Sample		
35	Vial 35	qap 13004 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
37	Vial 37	neg ctrl - al	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 cal 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 cal 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 cal 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

13001
13002
13003
13004

DATA 130104A1

QAP 13001
13002
13003
13004

AX
2013 JAN07

Calibration Table

Calib. Data Modified : Friday, January 04, 2013 1:22:25 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]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.042	1	1	7.98400e-2	860.84949	9.27456e-5	1		Ethanol
		2	1.59780e-1	1726.98462	9.25196e-5			
		3	3.19310e-1	3421.69312	9.33193e-5			
1.707	1	1	1.20000e-2	2394.06836	5.01239e-6	I1		n-Propanol
		2	1.20000e-2	2413.54663	4.97194e-6			
		3	1.20000e-2	2406.54956	4.98639e-6			

13001
13002
13003
13004

Peak Sum Table

No Entries in table

DATA 130104A1

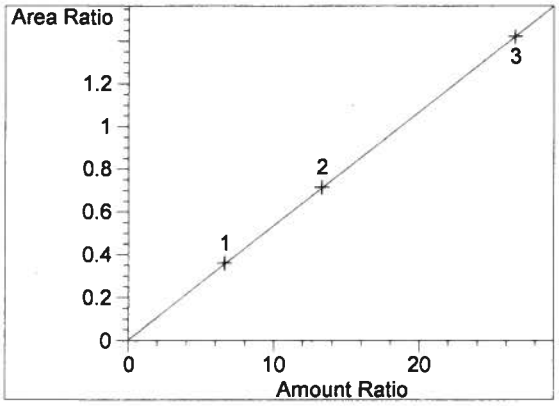
QAP 13001
13002
13003
13004

AL 1013 JAN07

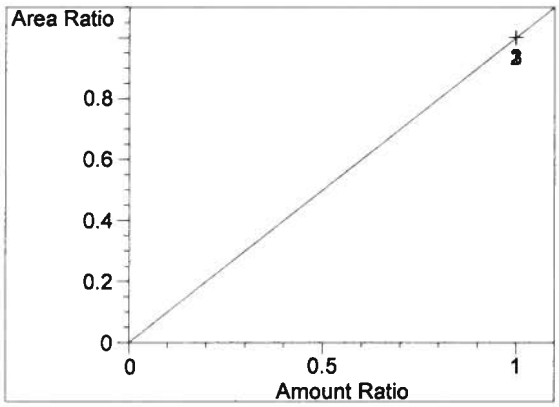
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00283
Formula: y = mx + b
m: 5.33988e-2
b: 2.43874e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.707
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

==========

13001
13002
13003
13004

DATA 130104A1

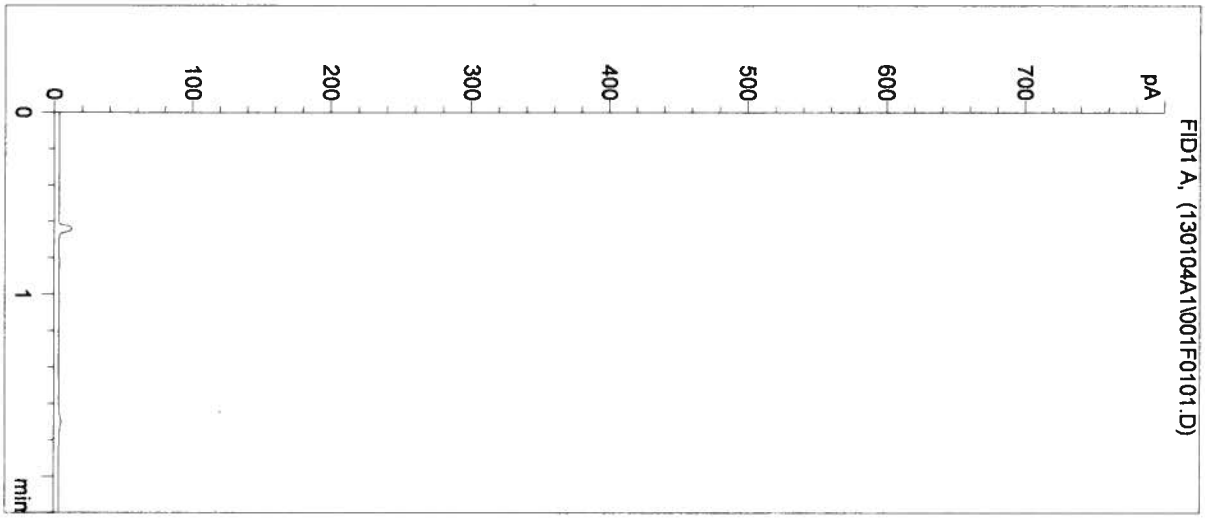
QAP13001
13002
13003
13004

AL 20135A0D

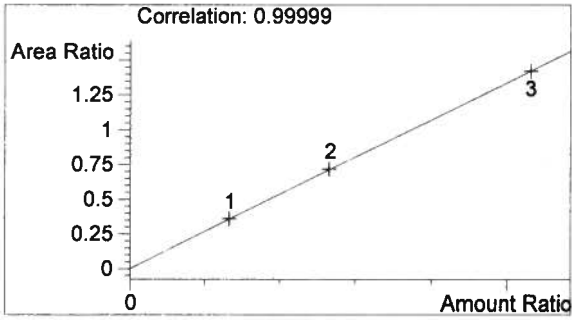
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:10:58 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

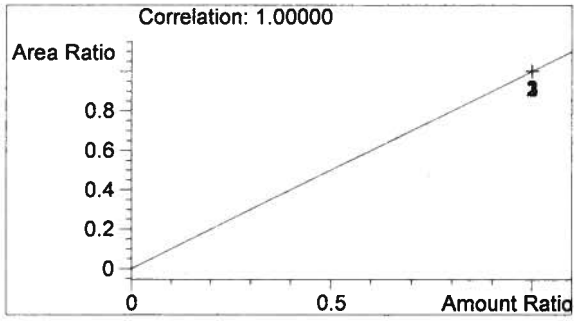
Sample Name: blank
Operator: asa louis
Location: Vial 1



#	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

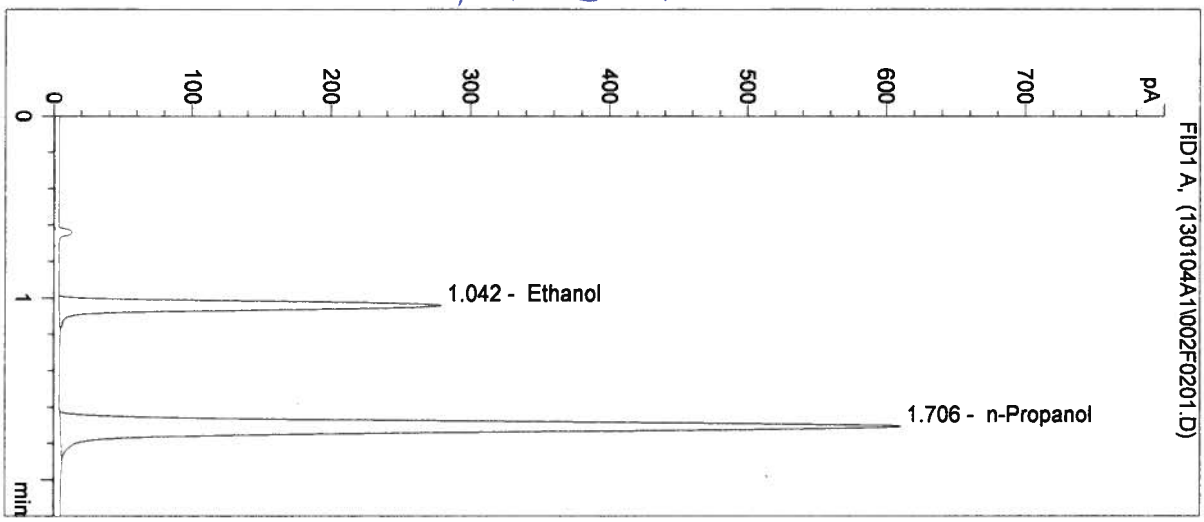
13001
13002
13003
13004

QAP 13001
13002
13003
13004
AL 2013 JAN07

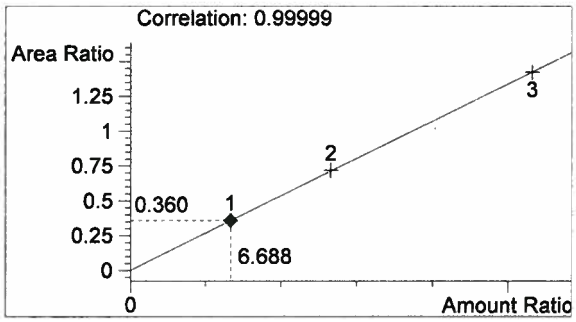
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:14:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~e0612-01 exp 09/25/2012~~
E0912-01 EXP03/06/2013 AL 2013 JAN 18

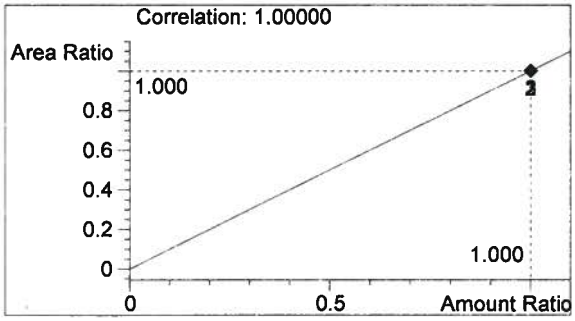
Sample Name: 0.079 cal 1
Operator: asa louis
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	861	1.042
2	n-Propanol	2394	1.706



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

13001
13002
13003
13004

QAP 13001
13002
13003
13004

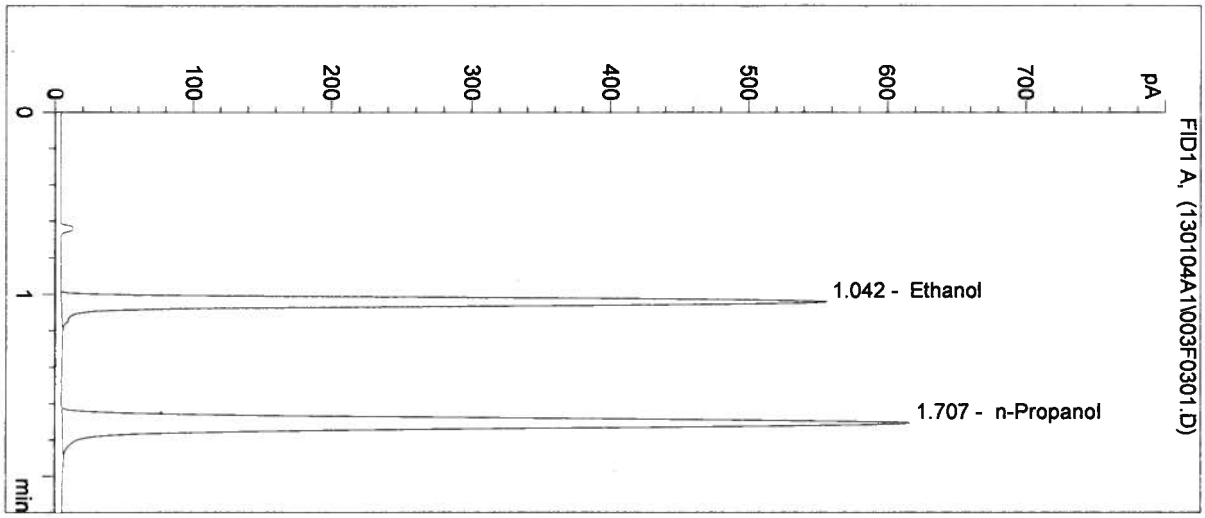
AL 2013 JAN 07

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

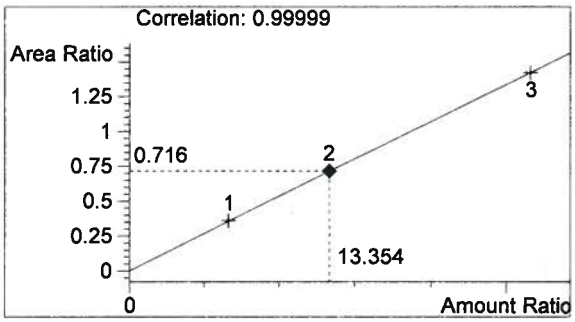
Inj. Date: 1/4/2013 1:17:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~e0612-02~~ exp 09/25/2012

Sample Name: 0.158 cal 2
Operator: asa louis
Location: Vial 3

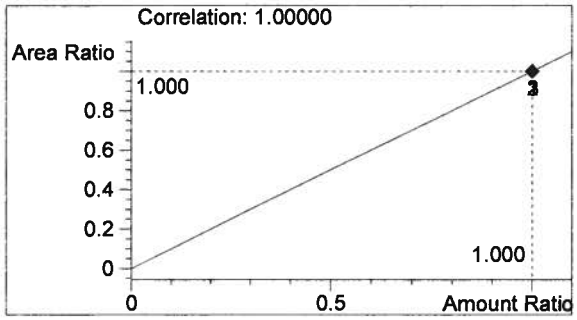
E0912-02 EXP 03/06/2013 JAN18, 2013 AL



#	Compound	Peak Area	RT (min)
1	Ethanol	1727	1.042
2	n-Propanol	2414	1.707



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

13001
13002
13003
13004

QAP 13001
13002
13003
13004

AL 2013 JAN 17

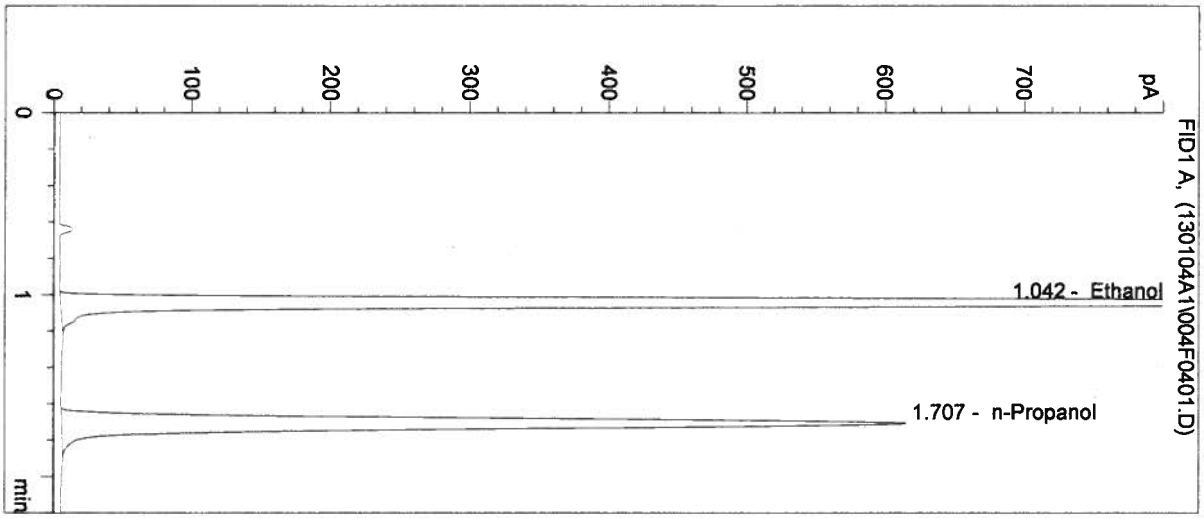
Data File: C:\HPCHEM\1\DATA\130104A1\003F0301.D

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

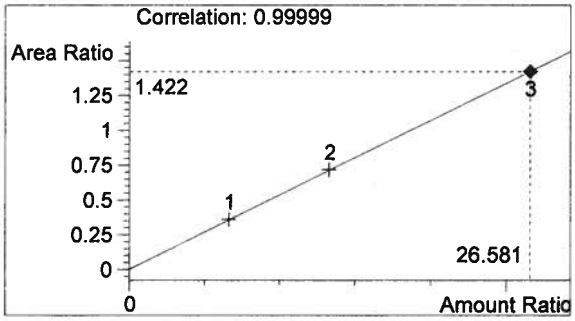
Inj. Date: 1/4/2013 1:20:12 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: e~~0612-03 exp 09/25/201~~2

Sample Name: 0.316 cal 3
Operator: asa louis
Location: Vial 4

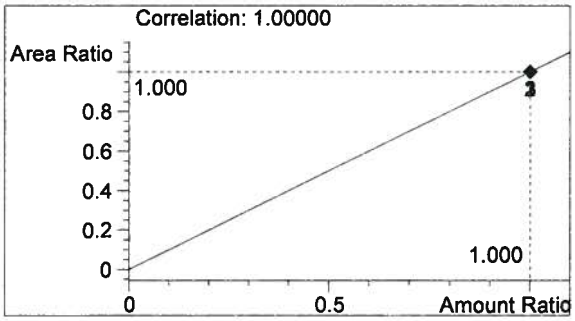
E0912-03 EXP 03/06/2013 AL 2013 JAN 18



#	Compound	Peak Area	RT (min)
1	Ethanol	3422	1.042
2	n-Propanol	2407	1.707



Ethanol 0.319 g/100mL



n-Propanol 0.012 g/100mL

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

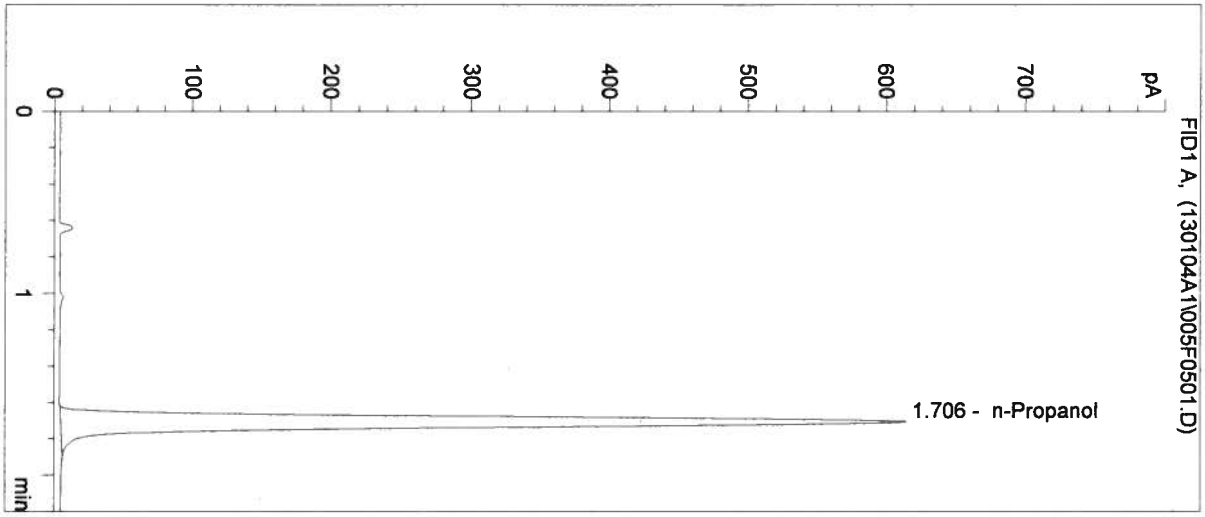
QAP 13001
13002
13003
13004

AL 2013 JAN 07

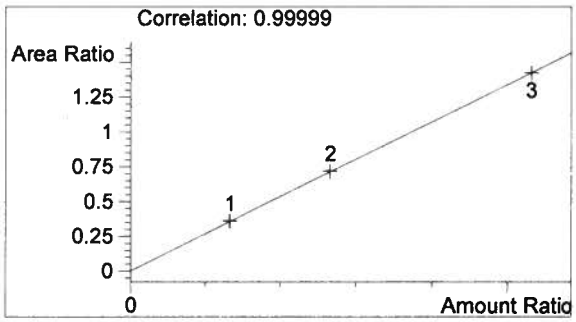
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:23:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

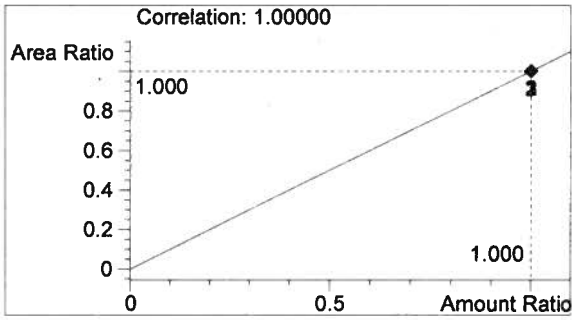
Sample Name: neg ctrl - al
Operator: asa louis
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2414	1.706



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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

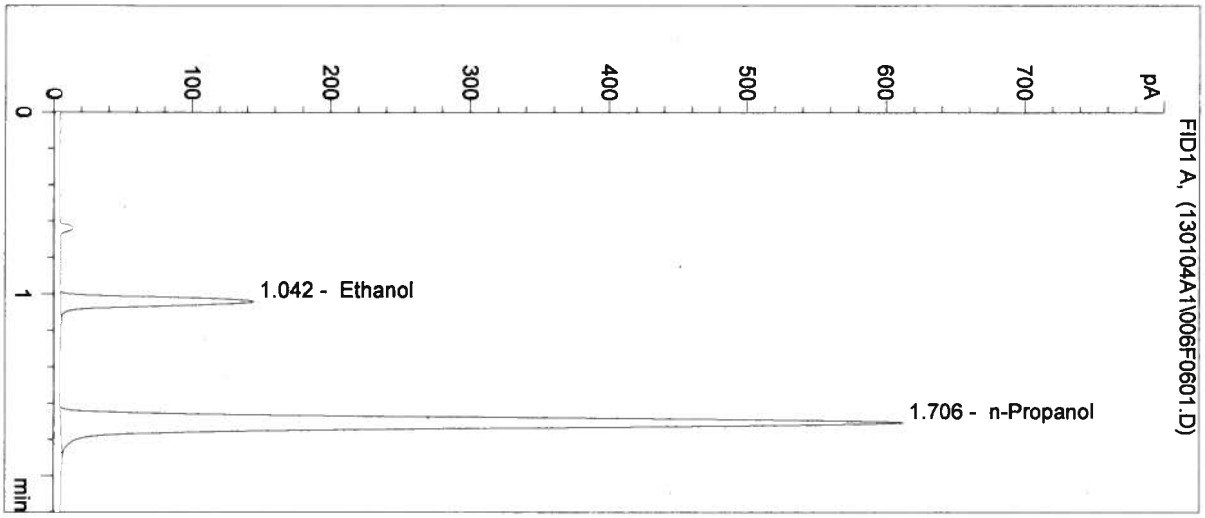
QAP 13001
13002
13003
13004

AC 2013JAN07

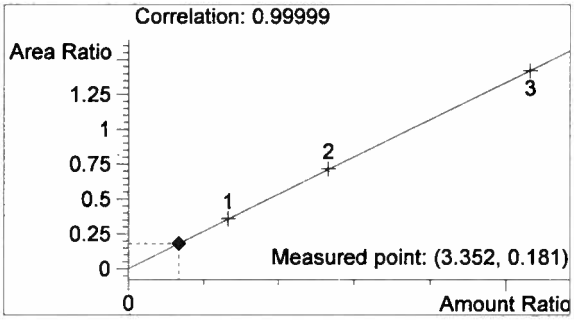
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:26:21 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

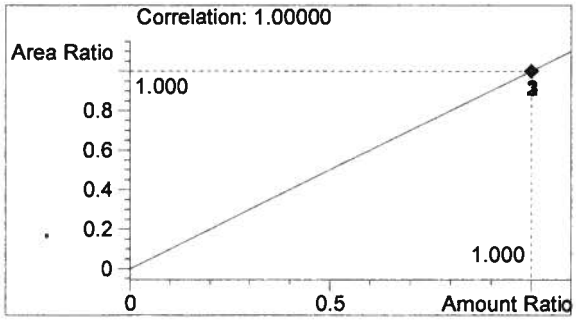
Sample Name: 0.04 ctrl - al
Operator: asa louis
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	438	1.042
2	n-Propanol	2412	1.706



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

13001
13002
13003
13004

DAP 13001
13002
13003
13004

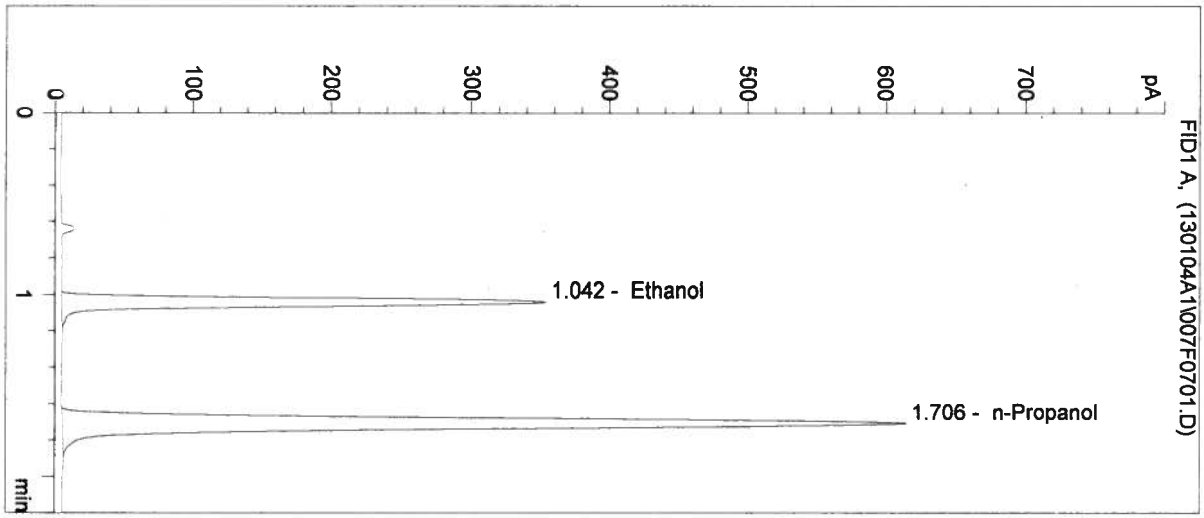
AL 2013 JAN 07

Data File: C:\HPCHEM\1\DATA\130104A1\006F0601.D

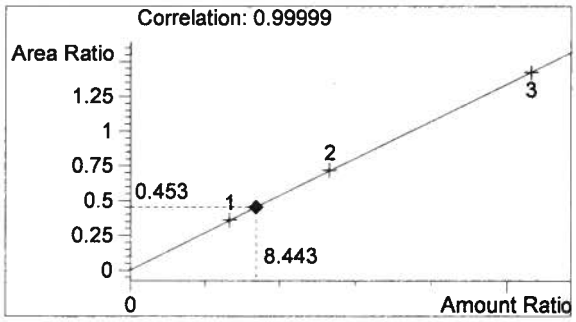
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:29:26 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

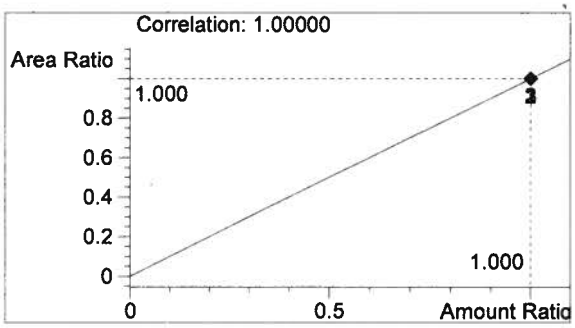
Sample Name: 0.10 ctrl - al
Operator: asa louis
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1096	1.042
2	n-Propanol	2417	1.706



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

13001
13002
13003
13004

QAP 13001
,3002
,3003
,3004

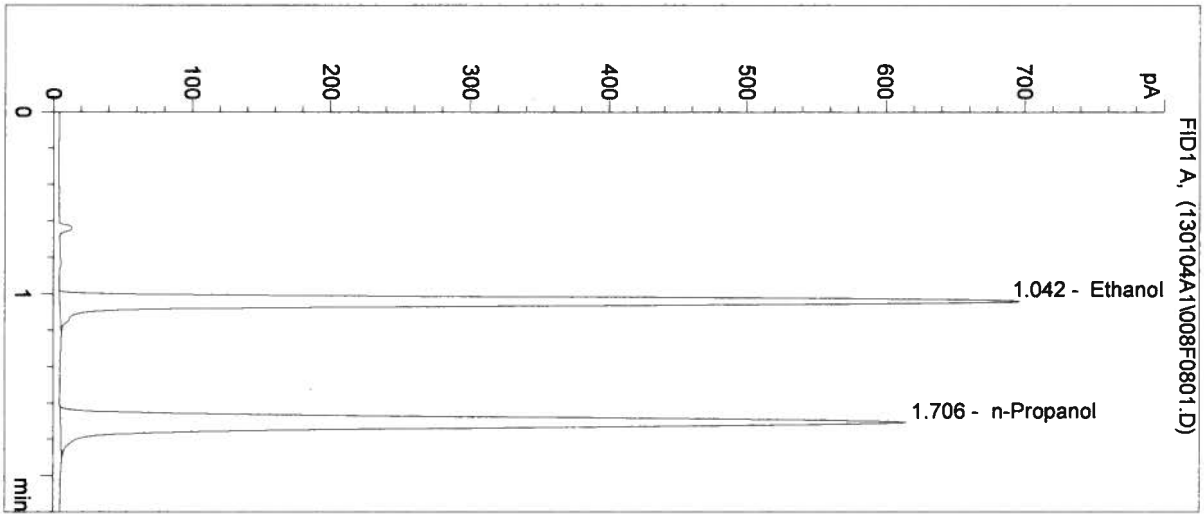
AL 2013JAN07

Data File: C:\HPCHEM\1\DATA\130104A1\007F0701.D

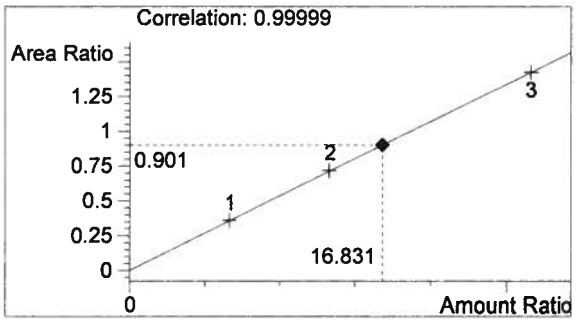
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:32:31 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

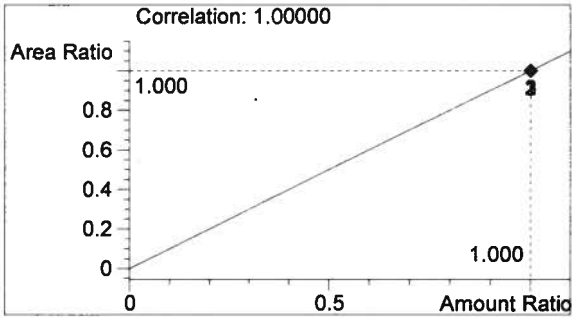
Sample Name: 0.20 ctrl - al
Operator: asa louis
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2177	1.042
2	n-Propanol	2415	1.706



Ethanol 0.202 g/100mL



n-Propanol 0.012 g/100mL

13001
13002
13003
13004

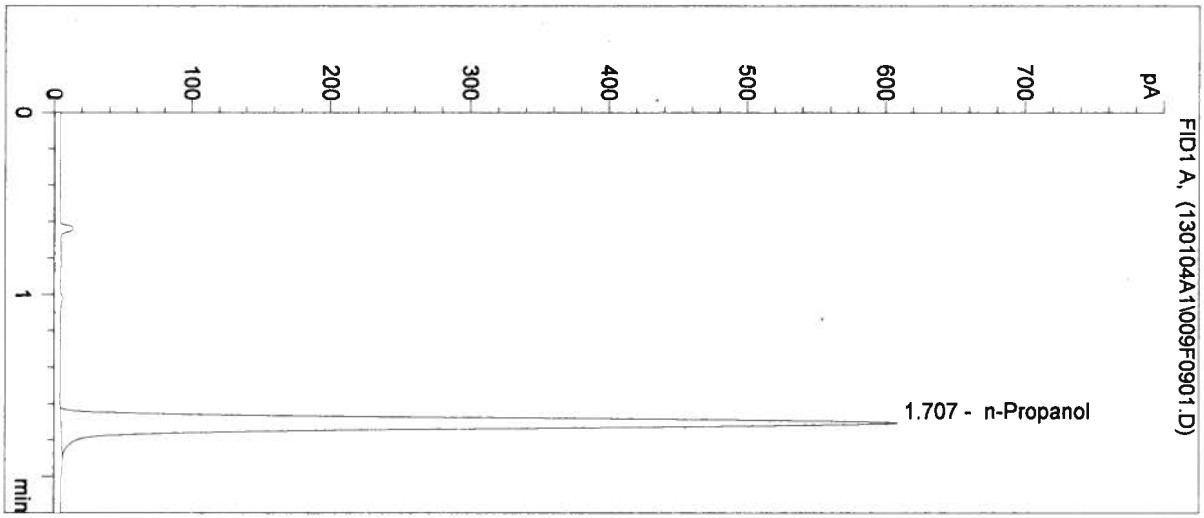
QAP 13001
13002
13003
13004

AL 2013 JAN 07

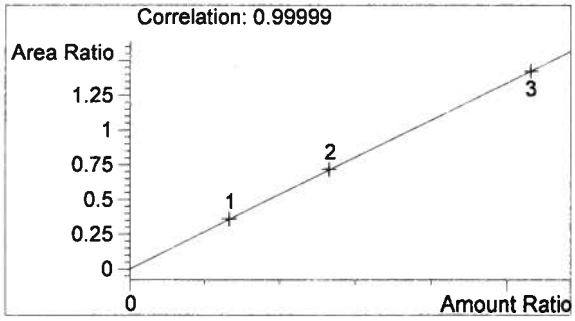
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:35:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

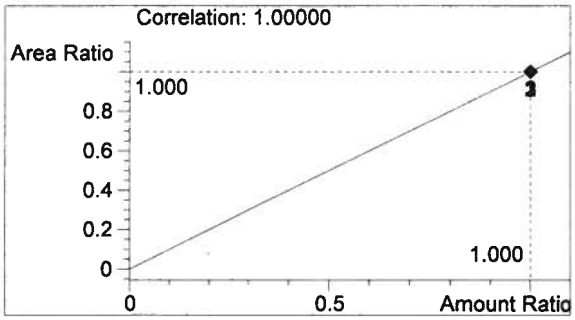
Sample Name: neg ctrl - al
Operator: asa louis
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2394	1.707



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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

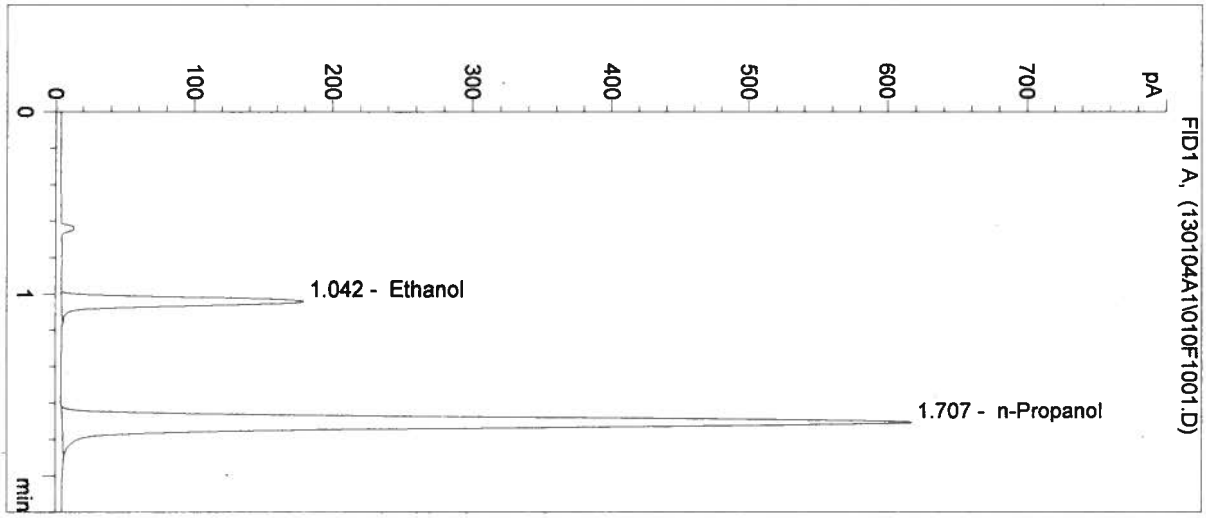
QAP 13001
13002
13003
13004

AL 2013 JAN 07

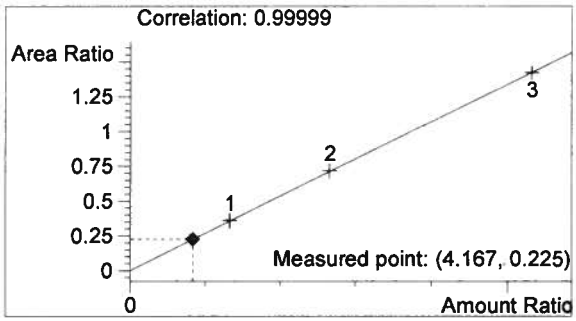
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:38:40 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

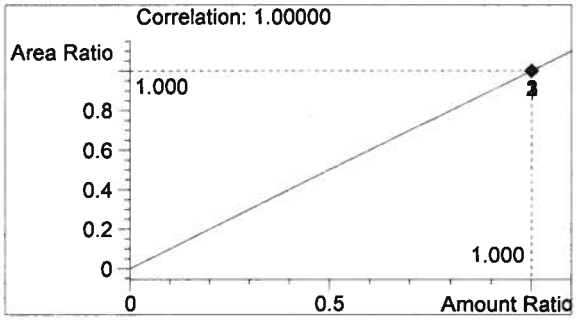
Sample Name: qap 13001 #1
Operator: asa louis
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	545	1.042
2	n-Propanol	2422	1.707



Ethanol 0.050 g/100mL



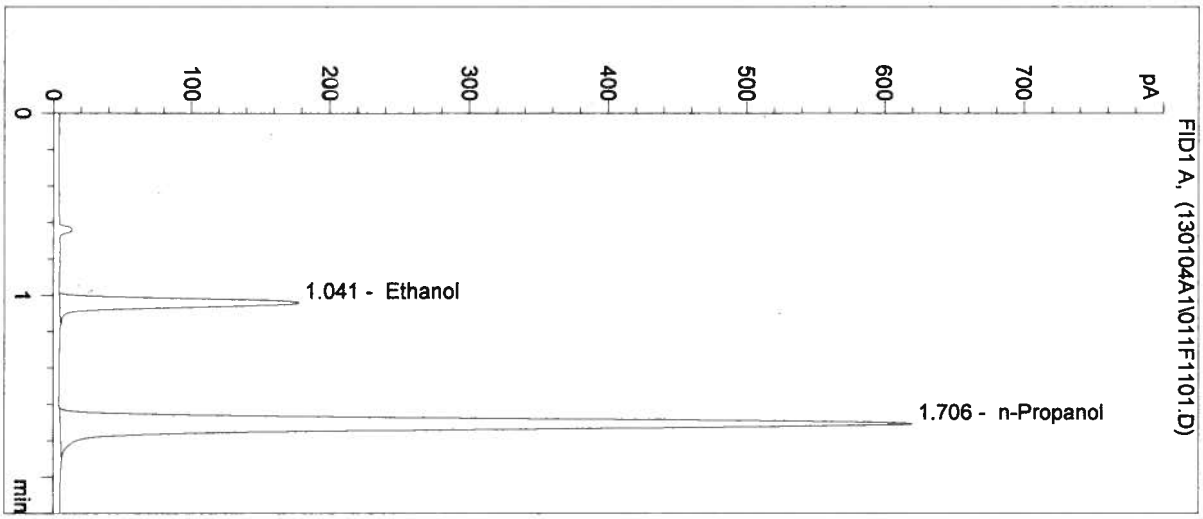
n-Propanol 0.012 g/100mL

AL 2013 JAN 07

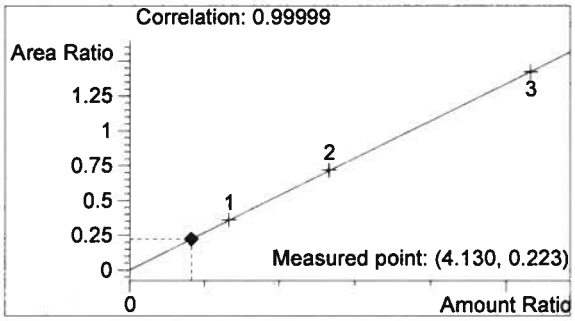
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:41:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

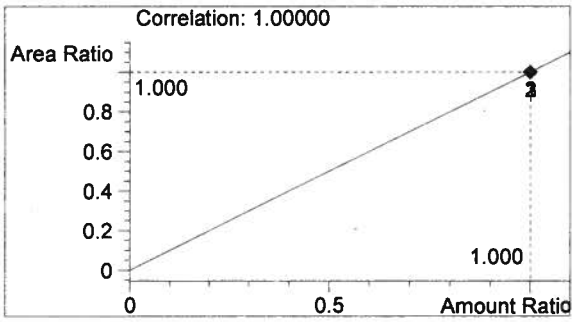
Sample Name: qap 13001 #2
Operator: asa louis
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	545	1.041
2	n-Propanol	2445	1.706



Ethanol 0.050 g/100mL



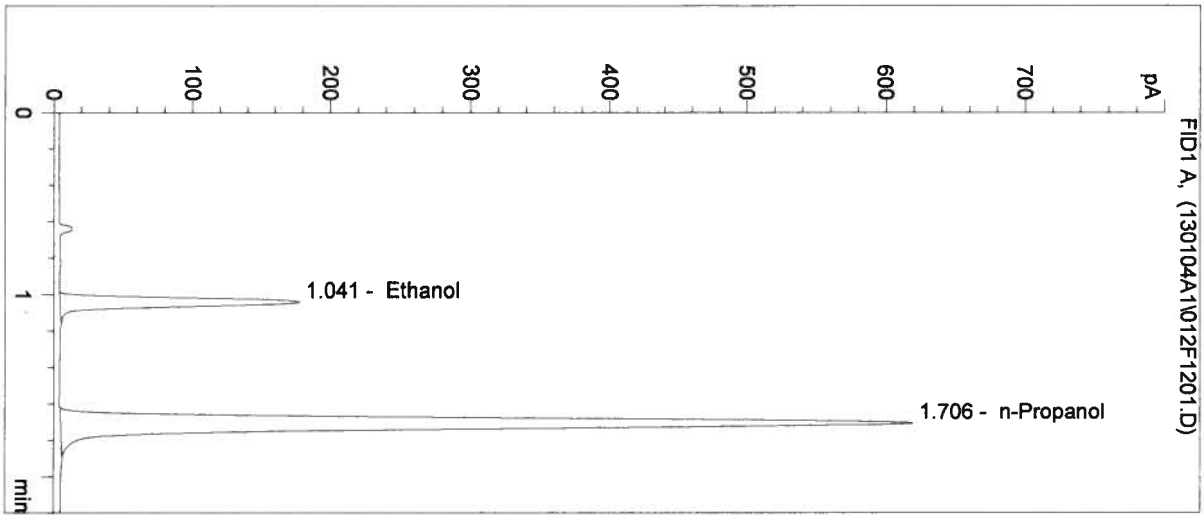
n-Propanol 0.012 g/100mL

A 2013JAN07

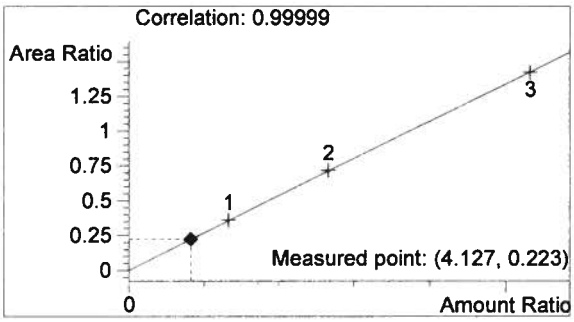
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:44:50 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

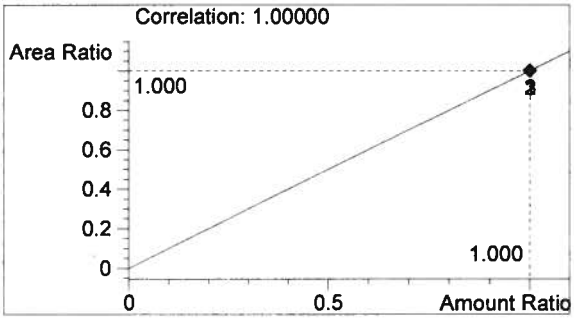
Sample Name: qap 13001 #3
Operator: asa louis
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	544	1.041
2	n-Propanol	2443	1.706



Ethanol 0.050 g/100mL



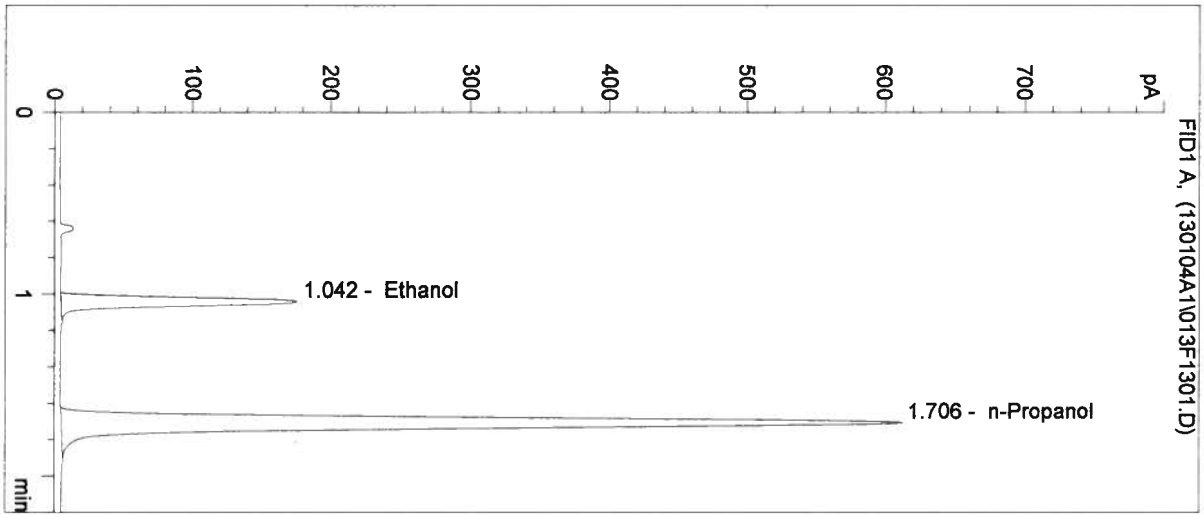
n-Propanol 0.012 g/100mL

AL 2013 JAN 07

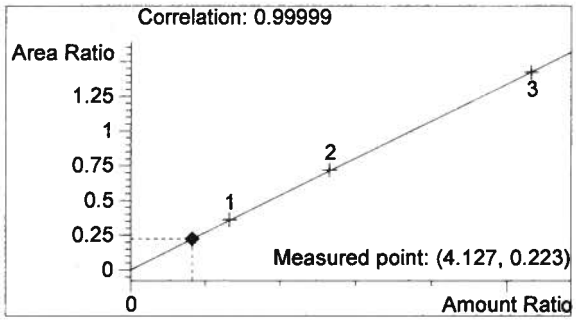
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:47:54 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

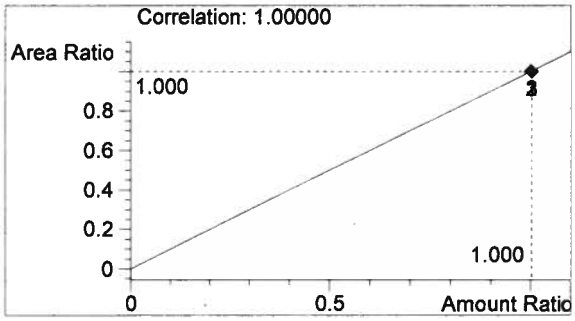
Sample Name: qap 13001 #4
Operator: asa louis
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	534	1.042
2	n-Propanol	2398	1.706



Ethanol 0.050 g/100mL



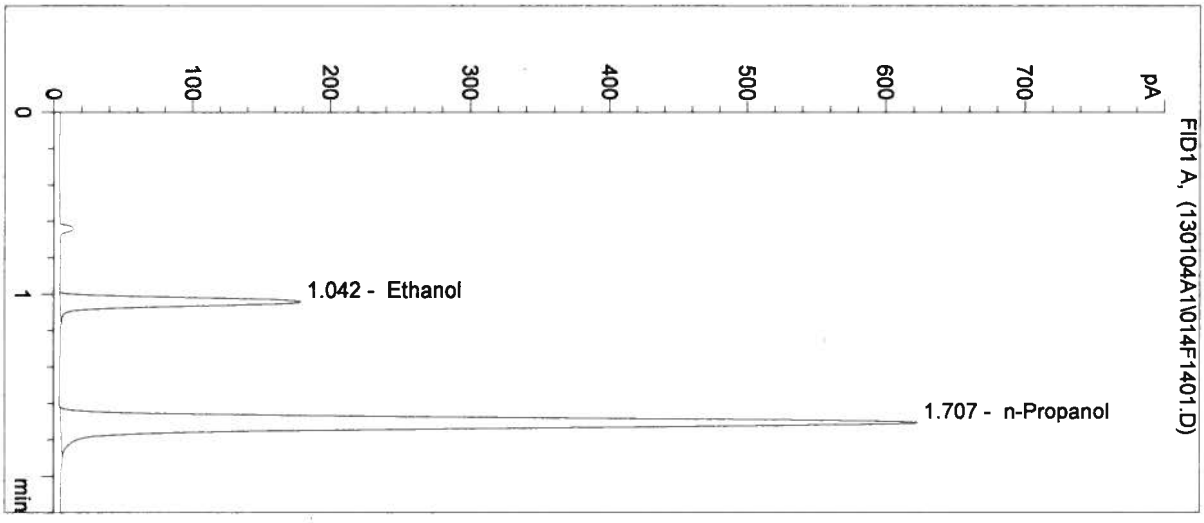
n-Propanol 0.012 g/100mL

AL 2013 JAN 07

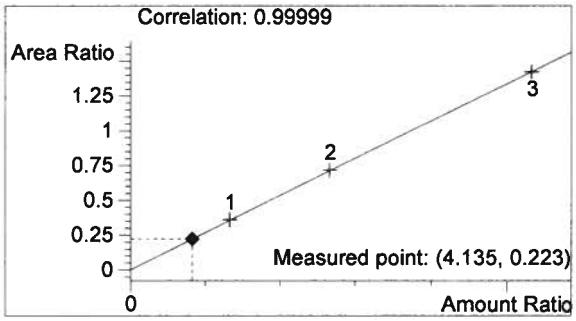
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:50:59 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

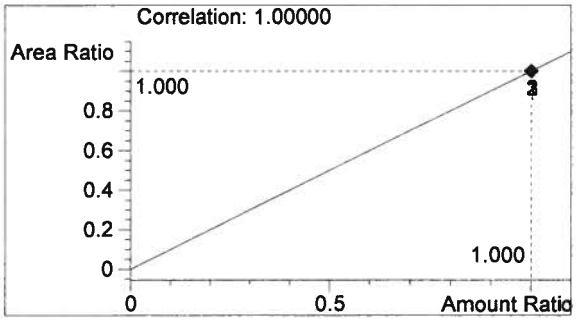
Sample Name: qap 13001 #5
Operator: asa louis
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	548	1.042
2	n-Propanol	2454	1.707



Ethanol 0.050 g/100mL



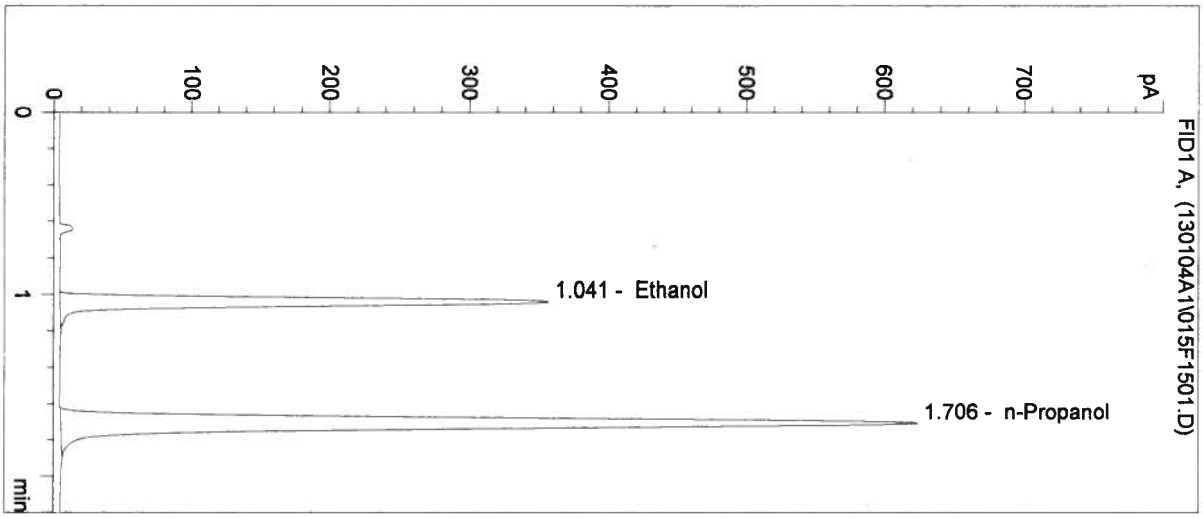
n-Propanol 0.012 g/100mL

AL 2013 JAN 07

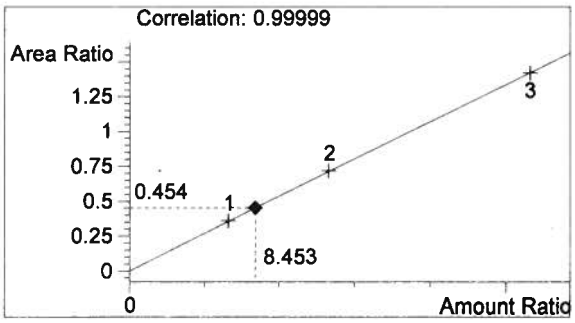
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:54:04 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

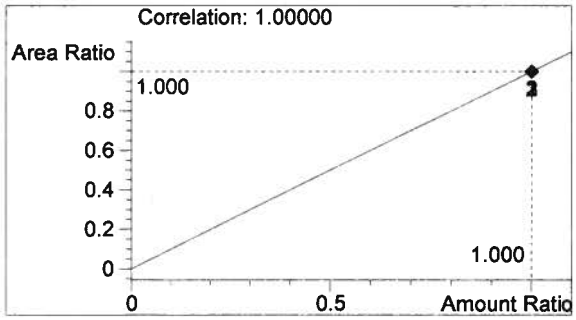
Sample Name: 0.10 ctrl - al
Operator: asa louis
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1115	1.041
2	n-Propanol	2458	1.706



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

13001

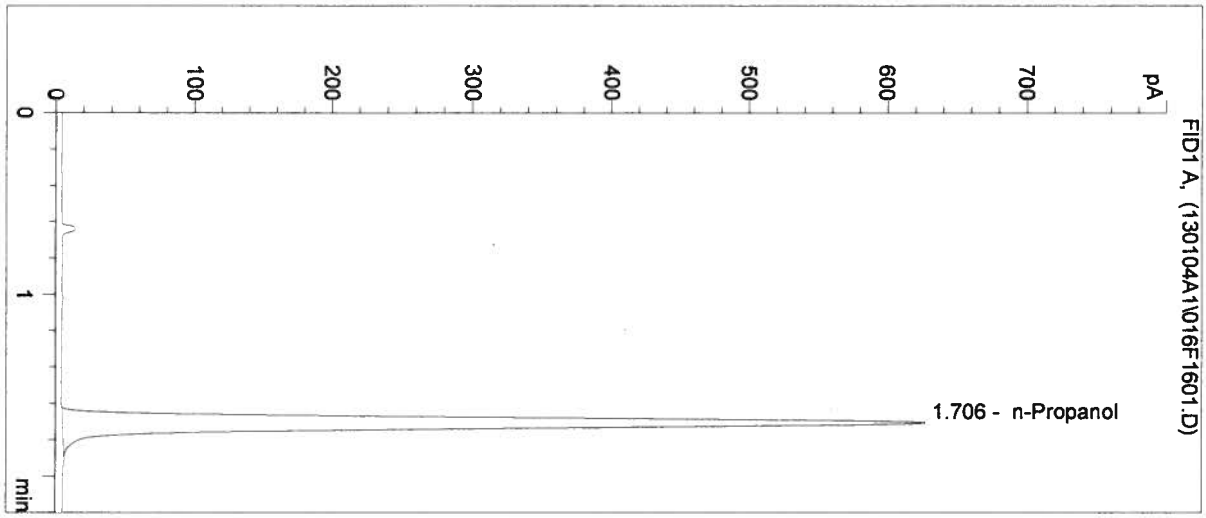
QAP 13001

AL 2013 JAN 07

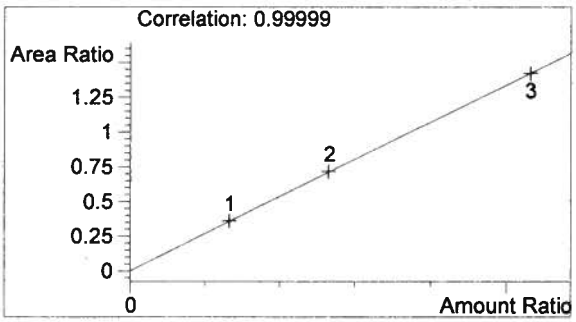
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/4/2013 1:57:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

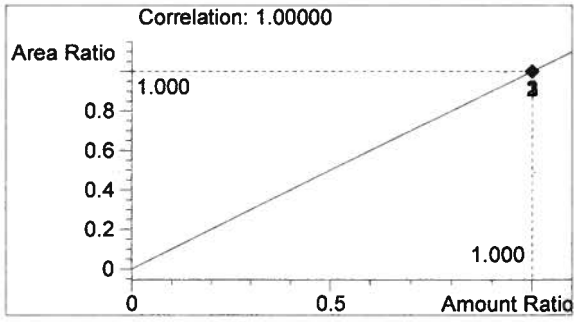
Sample Name: neg ctrl - al
Operator: asa louis
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2478	1.706



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13001

QAP 13001

QC 2013 JAN 07

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

Sequence Parameters:

Operator:	Christie Mitchell-Mata
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	130110CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1 - Lot#E0912-01 Exp 3/6/13
Ethanol Calibrator 2 - Lot#E0912-02 Exp 3/6/13
Ethanol Calibrator 3 - Lot#E0912-03 Exp 3/6/13
0.04 Control - Lot # A088613 - exp 09/2016
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A084657 - exp 02/2016
n-propanol ISTD Lot#P1212

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - CM	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL -CM	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
10	Vial 10	13001 #1	SIMALC1	1	Sample		13001
11	Vial 11	13001 #2	SIMALC1	1	Sample		
12	Vial 12	13001 #3	SIMALC1	1	Sample		13002
13	Vial 13	13001 #4	SIMALC1	1	Sample		
14	Vial 14	13001 #5	SIMALC1	1	Sample		13003
15	Vial 15	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		13004
17	Vial 17	13002 #1	SIMALC1	1	Sample		
18	Vial 18	13002 #2	SIMALC1	1	Sample		
19	Vial 19	13002 #3	SIMALC1	1	Sample		
20	Vial 20	13002 #4	SIMALC1	1	Sample		
21	Vial 21	13002 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
24	Vial 24	13003 #1	SIMALC1	1	Sample		
25	Vial 25	13003 #2	SIMALC1	1	Sample		
26	Vial 26	13003 #3	SIMALC1	1	Sample		
27	Vial 27	13003 #4	SIMALC1	1	Sample		
28	Vial 28	13003 #5	SIMALC1	1	Sample		

CM

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
29	Vial 29	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
31	Vial 31	13004 #1	SIMALC1	1	Sample		
32	Vial 32	13004 #2	SIMALC1	1	Sample		
33	Vial 33	13004 #3	SIMALC1	1	Sample		
34	Vial 34	13004 #4	SIMALC1	1	Sample		
35	Vial 35	13004 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

13001

13002

13003

13004

Calibration Table

Calib. Data Modified : Thursday, January 10, 2013 3:33:29 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
1.041	1	1	7.98400e-2	887.86566	8.99235e-5	1		Ethanol
		2	1.59780e-1	1764.20898	9.05675e-5			
		3	3.19310e-1	3492.99609	9.14144e-5			
1.705	1	1	1.20000e-2	2312.49658	5.18920e-6	I1		n-Propanol
		2	1.20000e-2	2327.01099	5.15683e-6			
		3	1.20000e-2	2329.59229	5.15112e-6			

Peak Sum Table

No Entries in table

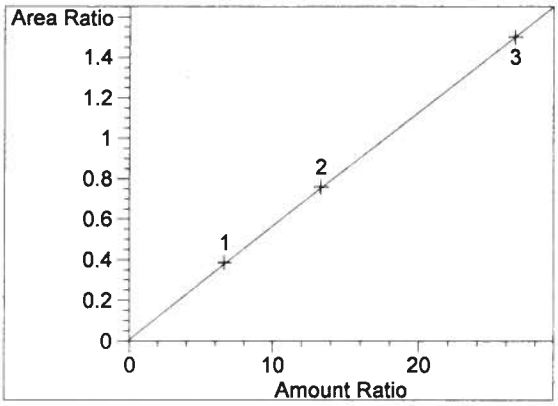
13001
13002
13003
13004

CM

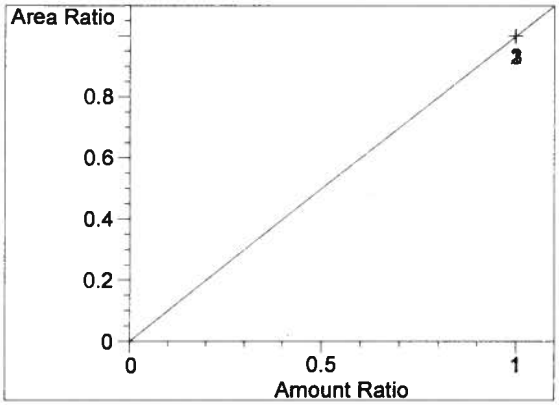
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00589
Formula: y = mx + b
m: 5.62666e-2
b: 5.18330e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.705
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

==========

13001

13002

13003

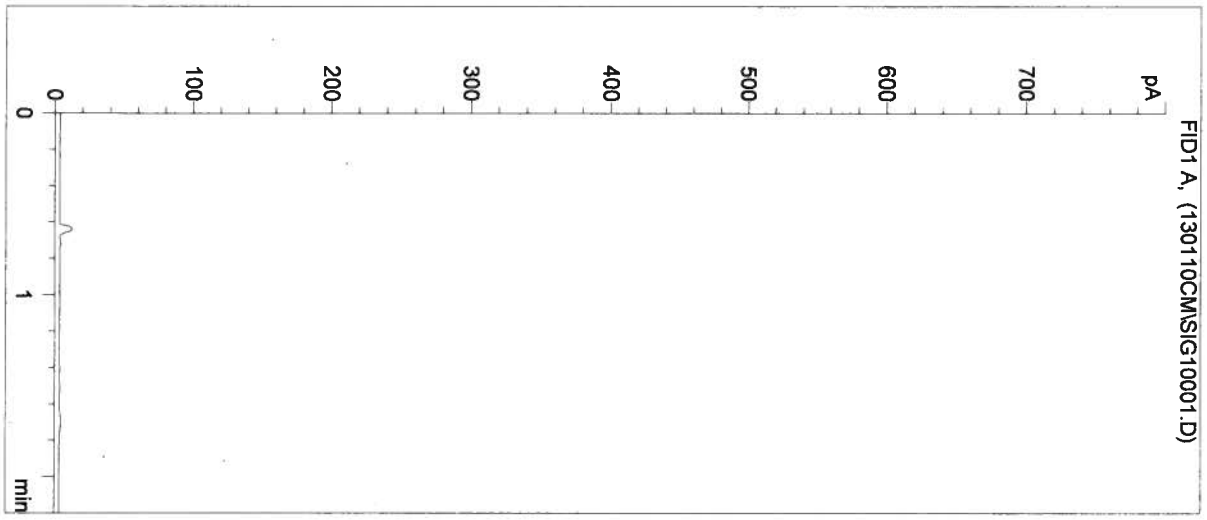
13004

CM

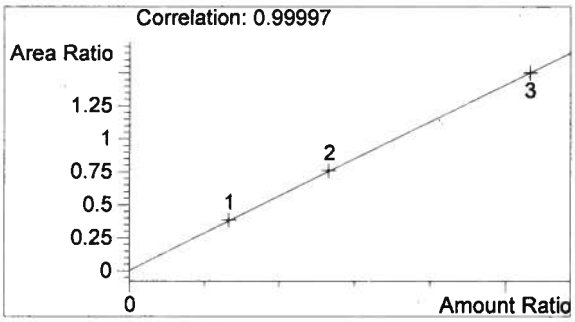
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:22:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

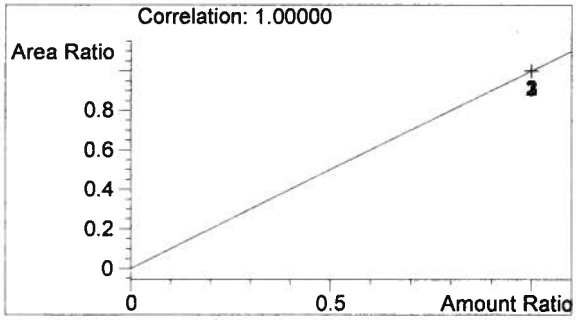
Sample Name: BLANK
Operator: Christie Mitchell-Mata
Location: Vial 1



#	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

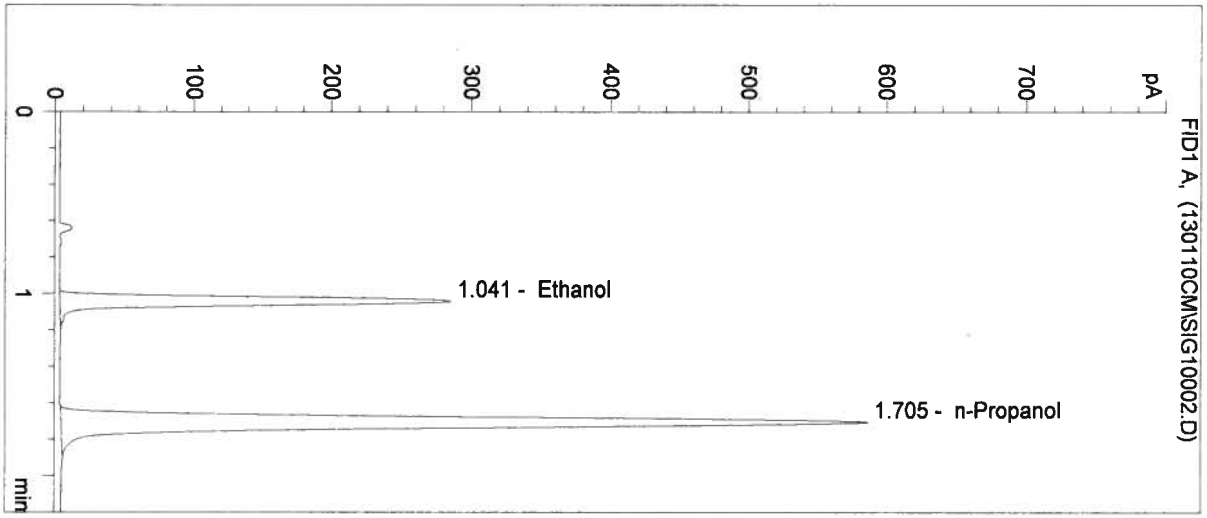
13001
13002
13003
13004

CM

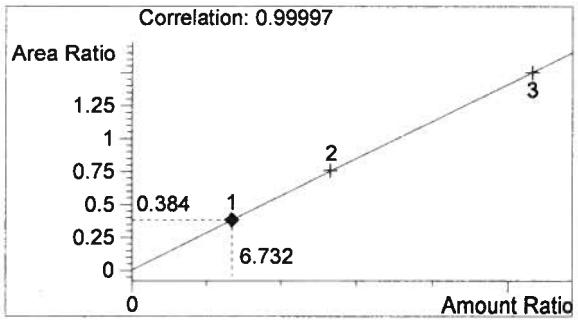
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:25:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

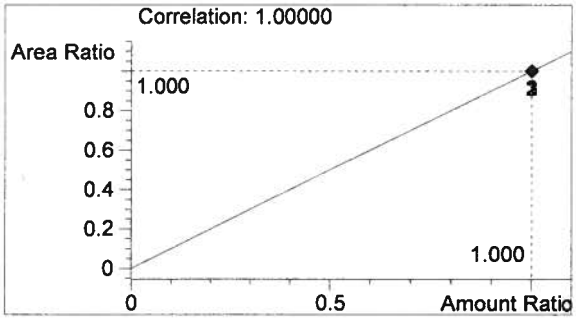
Sample Name: 0.079 CAL 1
Operator: Christie Mitchell-Mata
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	888	1.041
2	n-Propanol	2312	1.705



Ethanol 0.081 g/100mL



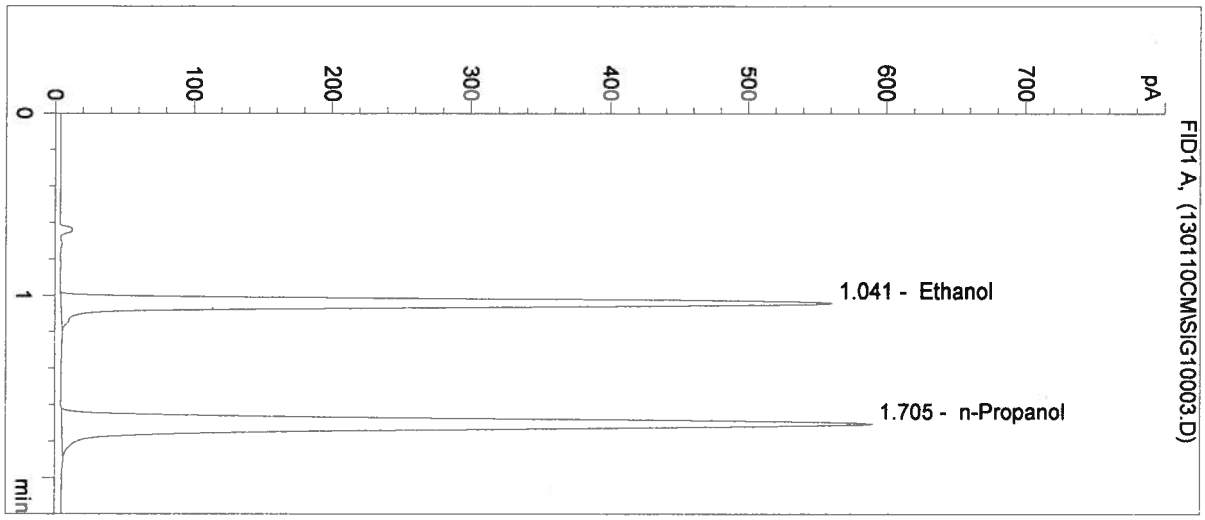
n-Propanol 0.012 g/100mL

13001
13002
13003
13004

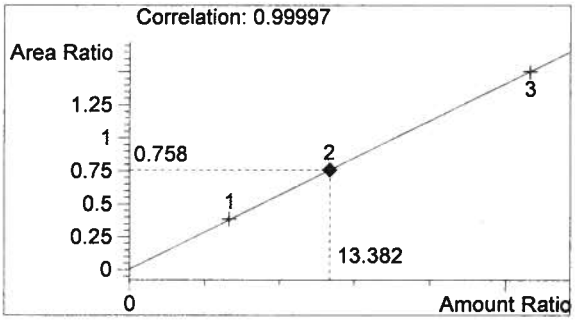
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:28:11 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

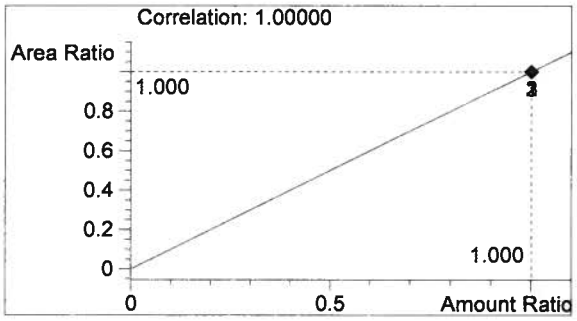
Sample Name: 0.158 CAL 2
Operator: Christie Mitchell-Mata
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1764	1.041
2	n-Propanol	2327	1.705



Ethanol 0.161 g/100mL



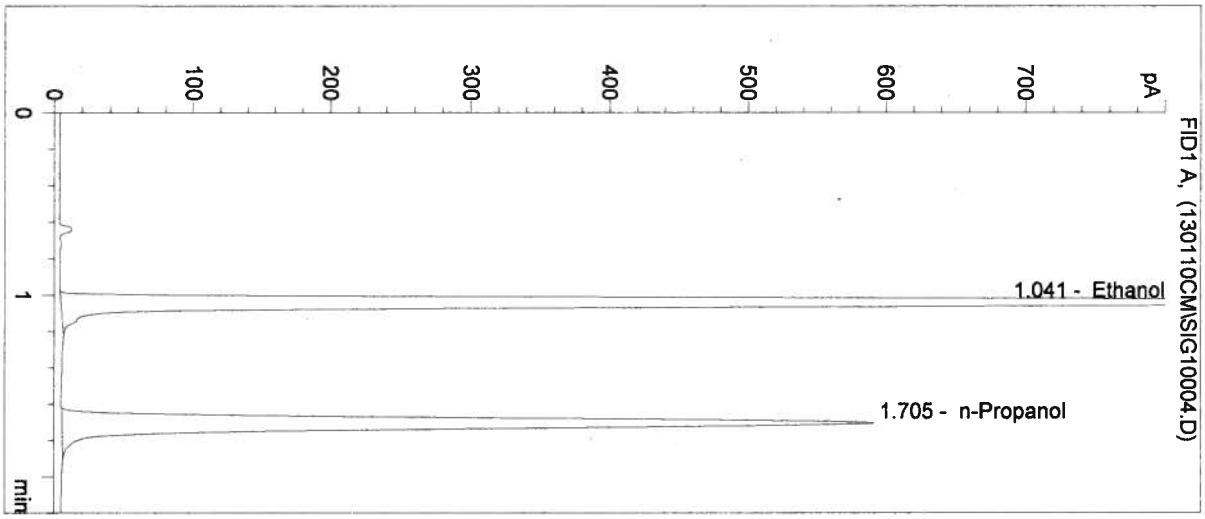
n-Propanol 0.012 g/100mL

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

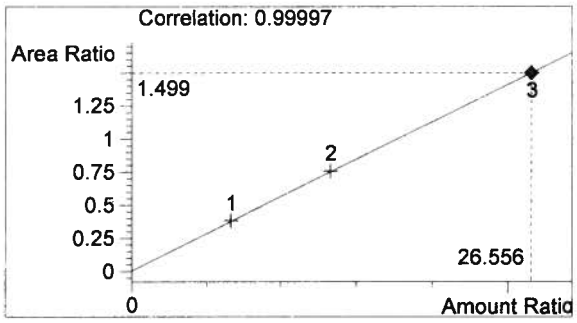
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:31:16 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

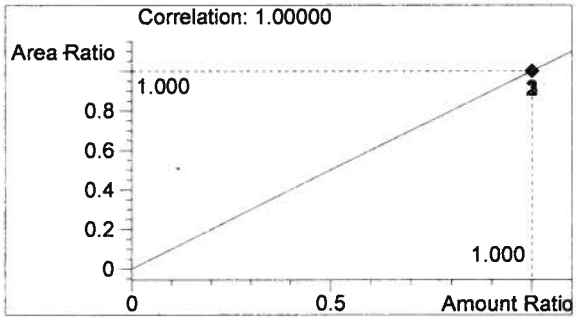
Sample Name: 0.316 CAL 3
Operator: Christie Mitchell-Mata
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3493	1.041
2	n-Propanol	2330	1.705



Ethanol 0.319 g/100mL



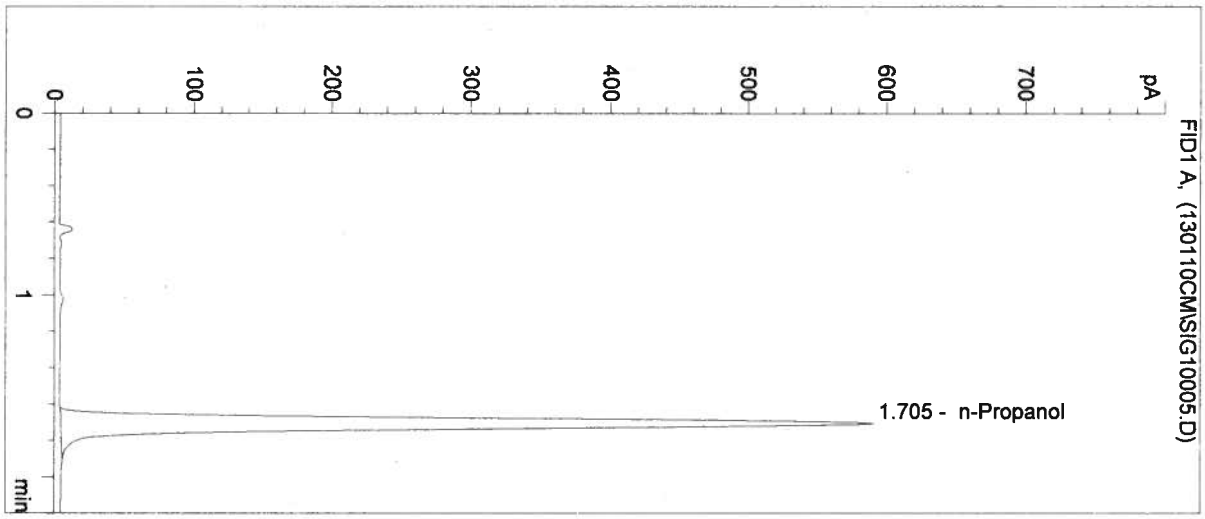
n-Propanol 0.012 g/100mL

13001
13002
13003
13004

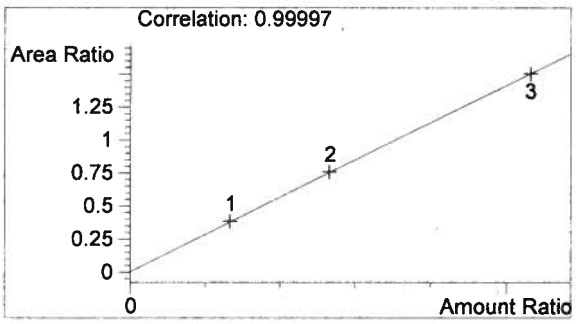
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:34:21 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

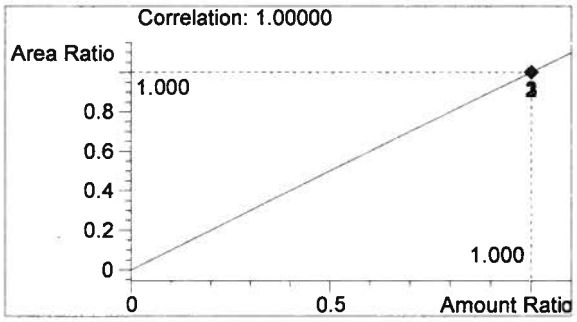
Sample Name: NEG CTRL - CM
Operator: Christie Mitchell-Mata
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2330	1.705



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13001
13002
13003
13004

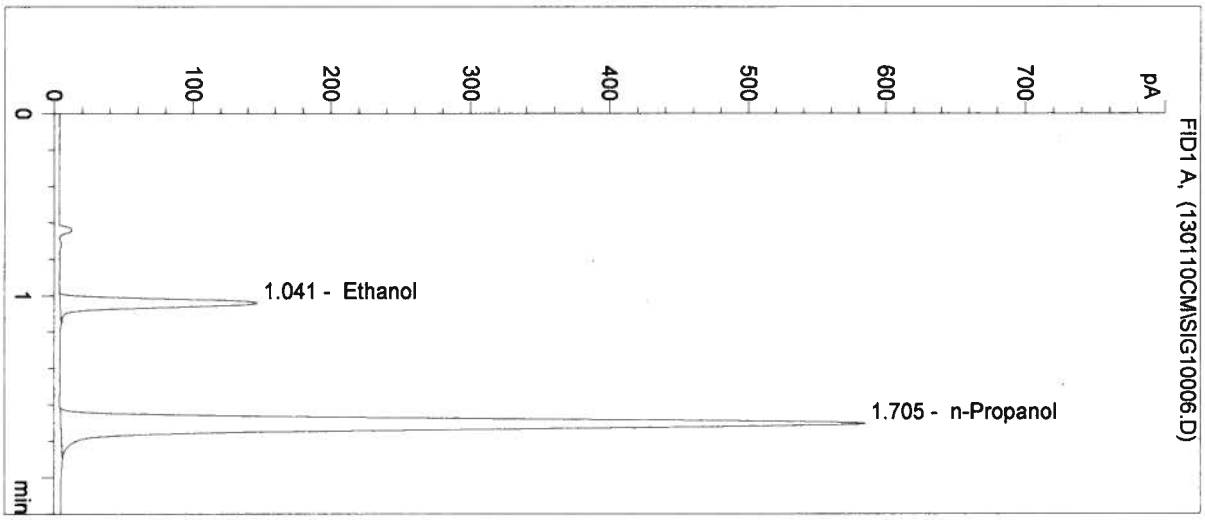
CM

Data File: C:\HPCHEM\1\DATA\130110CM\SIG10005.D

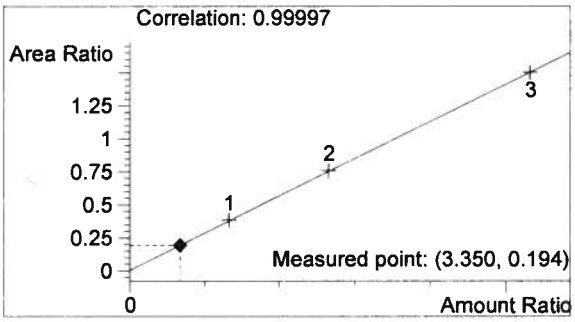
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:37:26 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

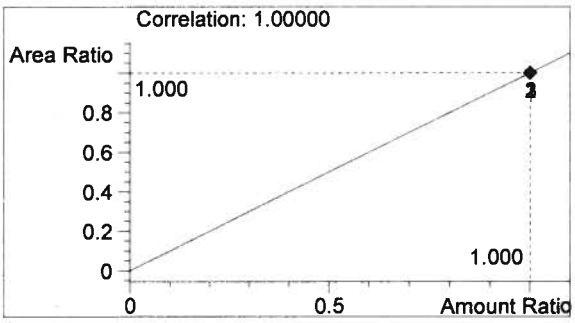
Sample Name: 0.04 CTRL - CM
Operator: Christie Mitchell-Mata
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	446	1.041
2	n-Propanol	2304	1.705



Ethanol 0.040 g/100mL



n-Propanol . 0.012 g/100mL

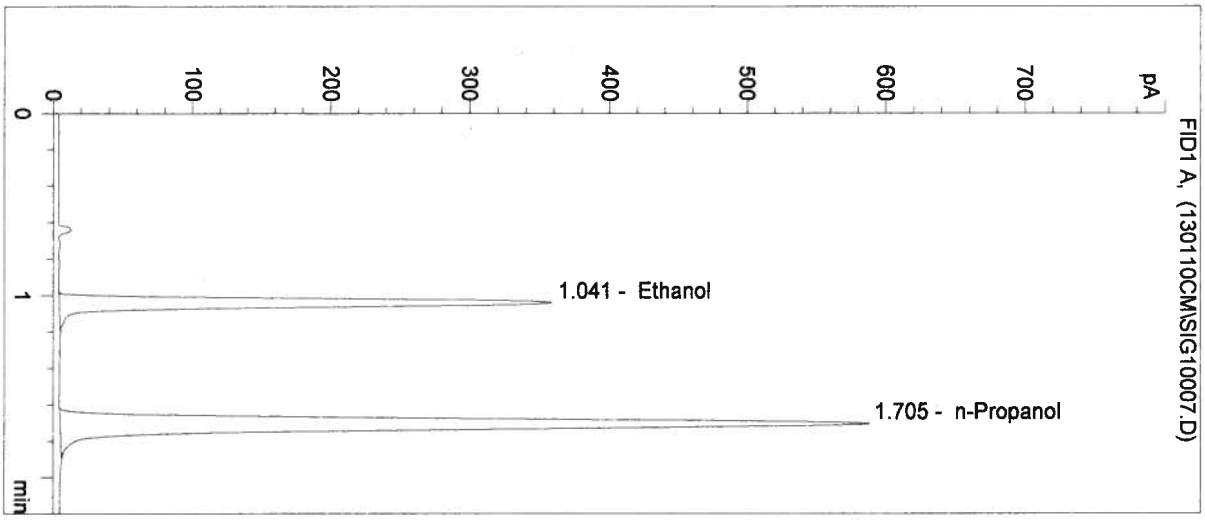
13001
13002
13003
13004

CM

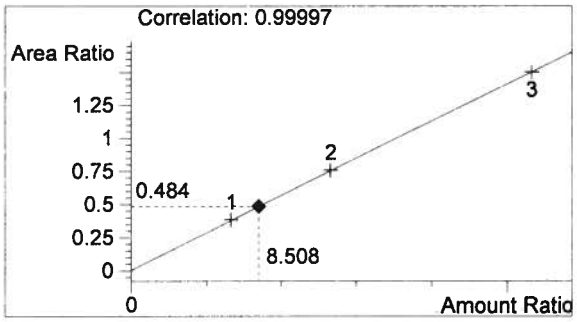
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:40:30 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

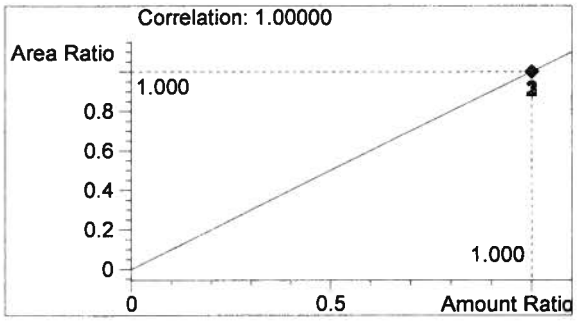
Sample Name: 0.10 CTRL - CM
Operator: Christie Mitchell-Mata
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1117	1.041
2	n-Propanol	2308	1.705



Ethanol 0.102 g/100mL



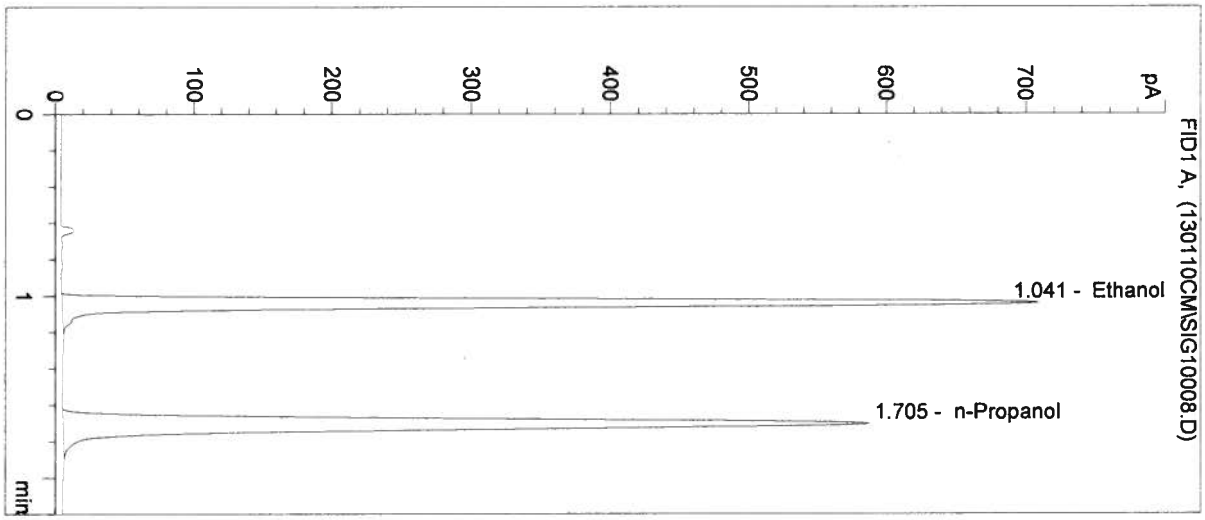
n-Propanol 0.012 g/100mL

13001
13002
13003
13004

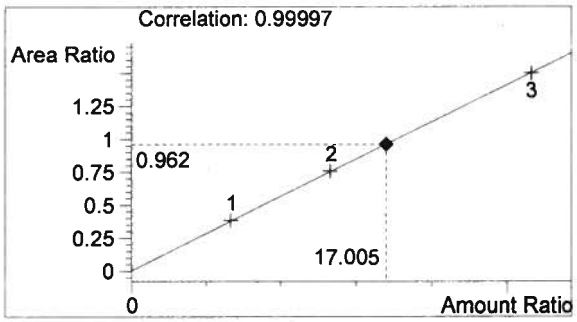
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:43:35 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

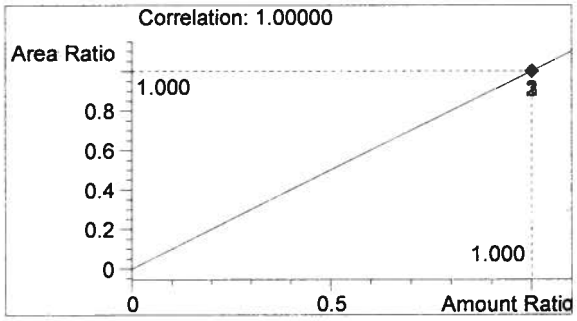
Sample Name: 0.20 CTRL -CM
Operator: Christie Mitchell-Mata
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2230	1.041
2	n-Propanol	2318	1.705



Ethanol 0.204 g/100mL



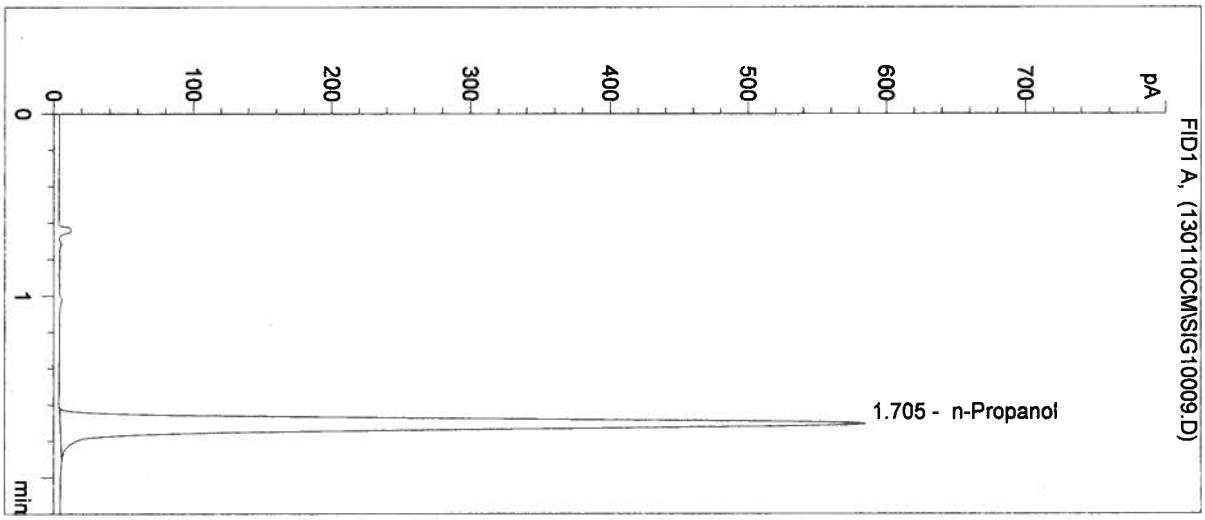
n-Propanol 0.012 g/100mL

13001
13002
13003
13004

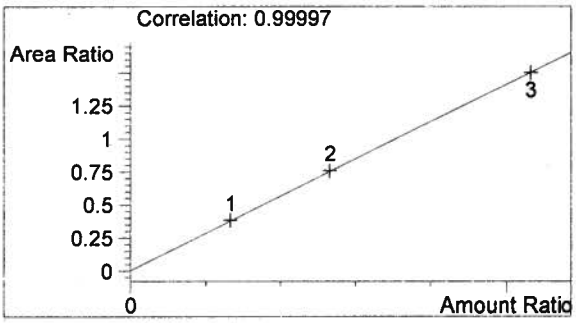
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:46:40 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

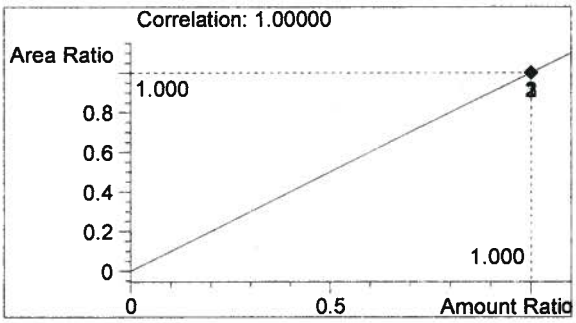
Sample Name: NEG CTRL - CM
Operator: Christie Mitchell-Mata
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2309	1.705



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

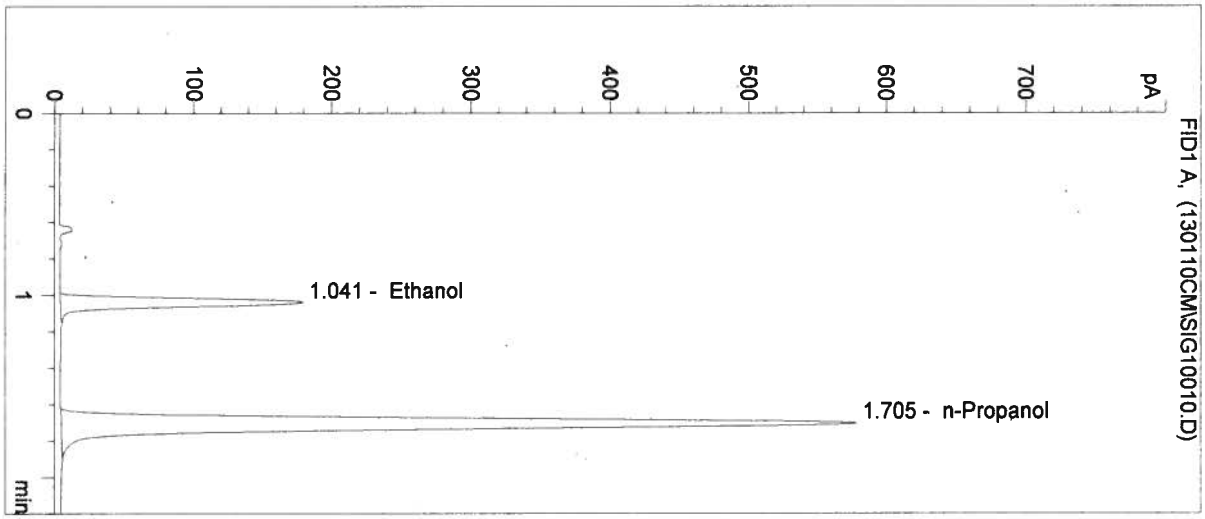
13001
13002
13003
13004
~~13004~~ MP 1.15.13

CM

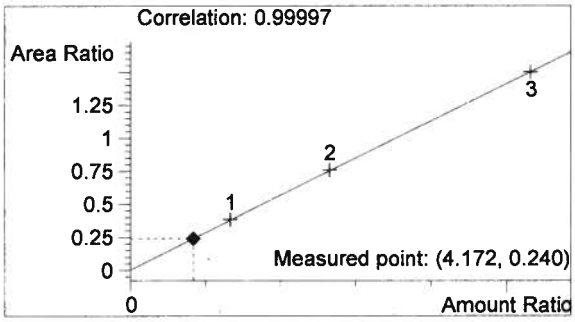
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:49:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

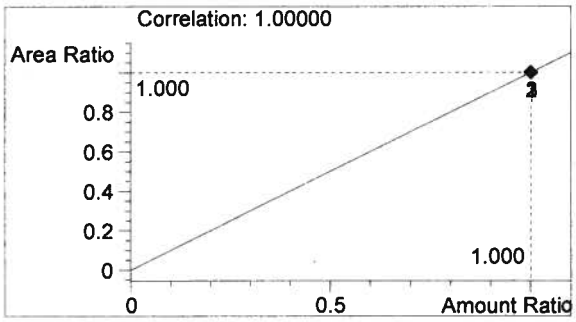
Sample Name: 13001 #1
Operator: Christie Mitchell-Mata
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	544	1.041
2	n-Propanol	2267	1.705



Ethanol 0.050 g/100mL



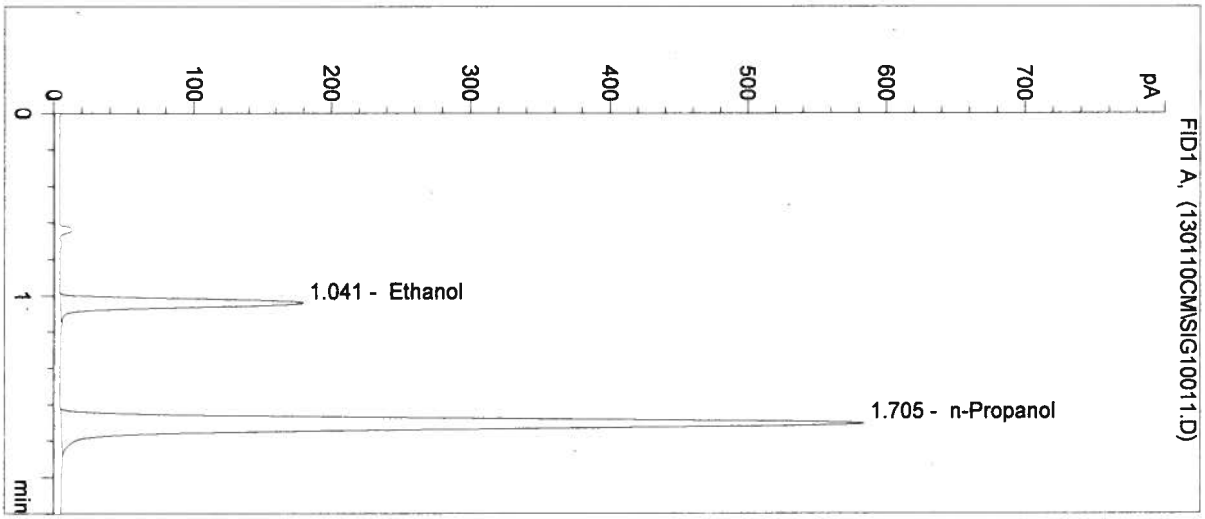
n-Propanol 0.012 g/100mL

CM

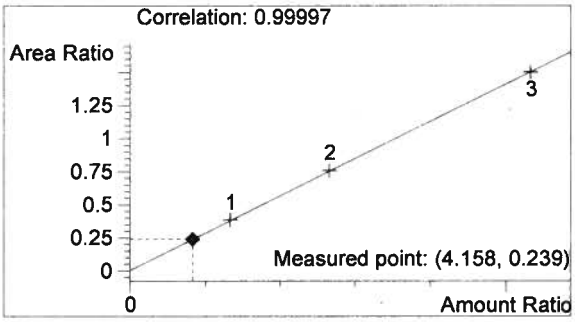
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:52:49 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

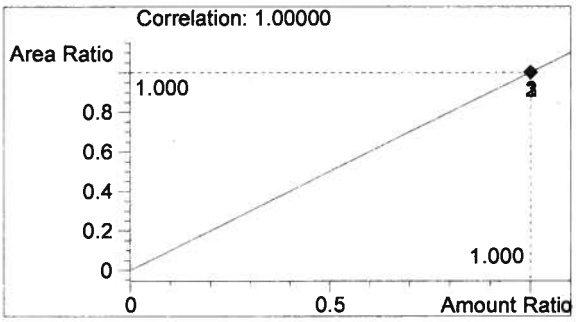
Sample Name: 13001 #2
Operator: Christie Mitchell-Mata
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	551	1.041
2	n-Propanol	2303	1.705



Ethanol 0.050 g/100mL



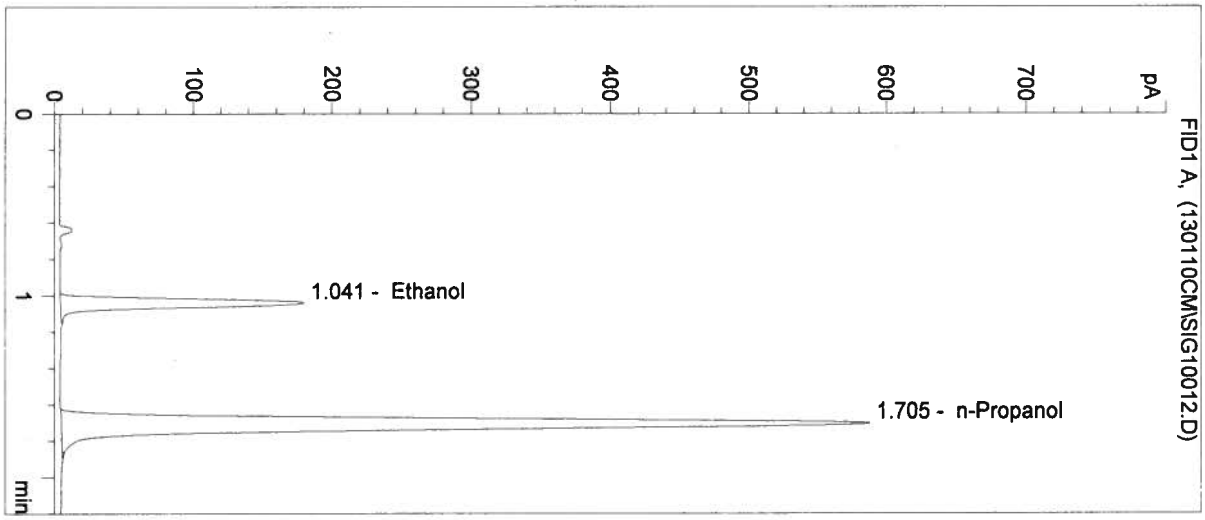
n-Propanol 0.012 g/100mL

CM

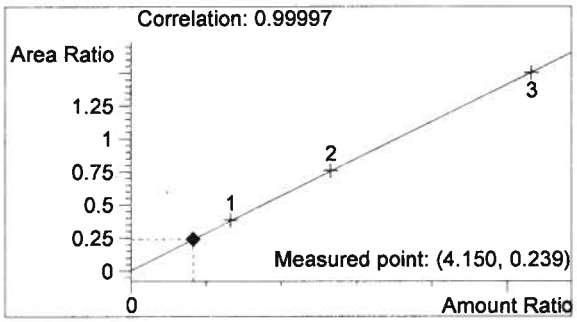
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:55:54 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

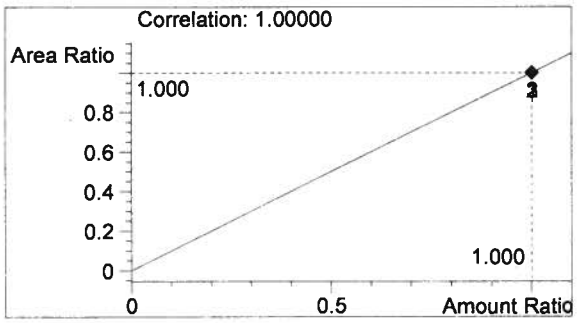
Sample Name: 13001 #3
Operator: Christie Mitchell-Mata
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	554	1.041
2	n-Propanol	2322	1.705



Ethanol 0.050 g/100mL



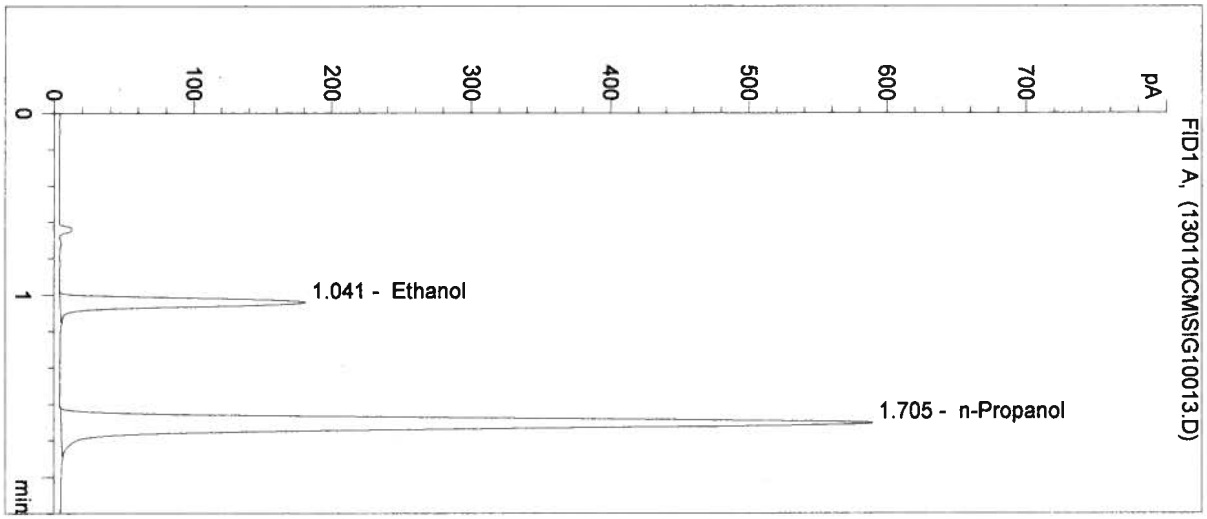
n-Propanol 0.012 g/100mL

CM

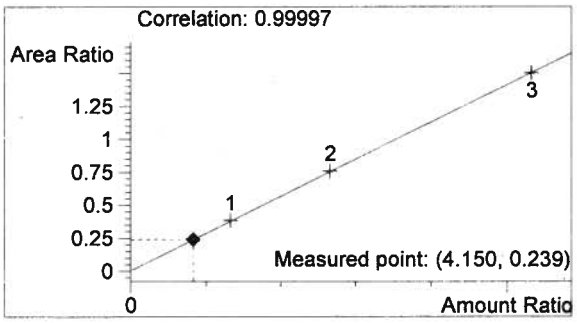
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 3:58:59 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

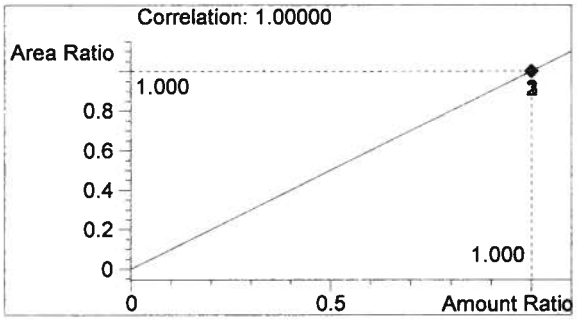
Sample Name: 13001 #4
Operator: Christie Mitchell-Mata
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	556	1.041
2	n-Propanol	2329	1.705



Ethanol 0.050 g/100mL

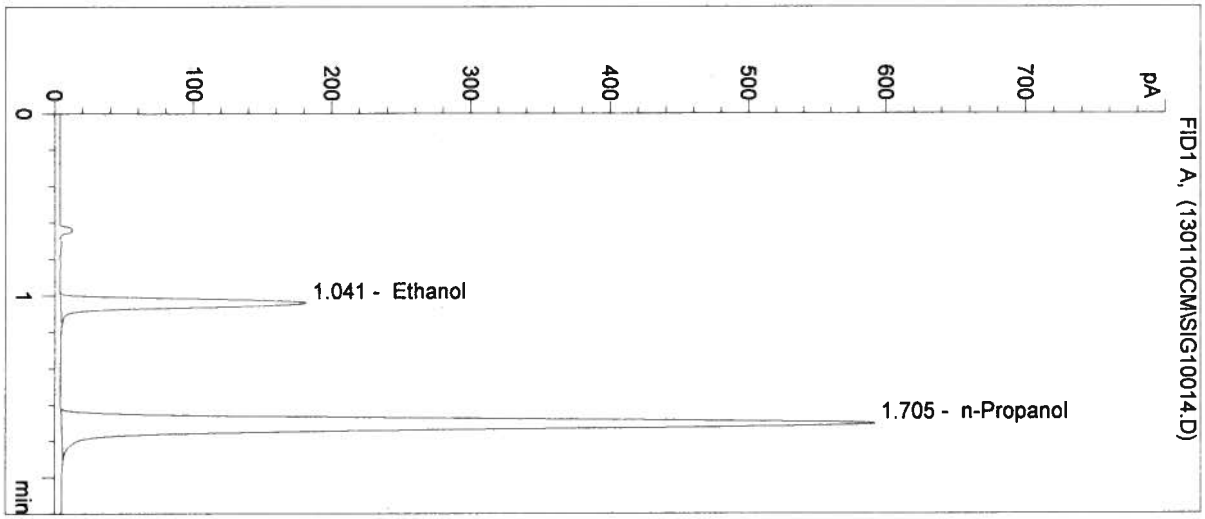


n-Propanol 0.012 g/100mL

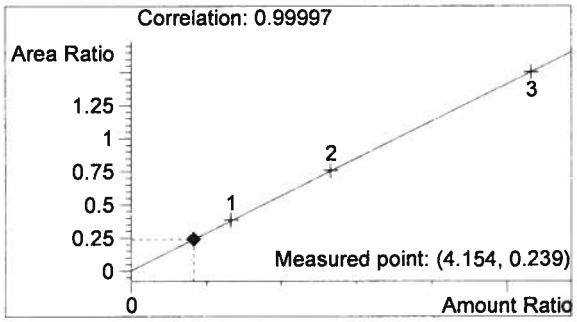
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 4:02:04 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

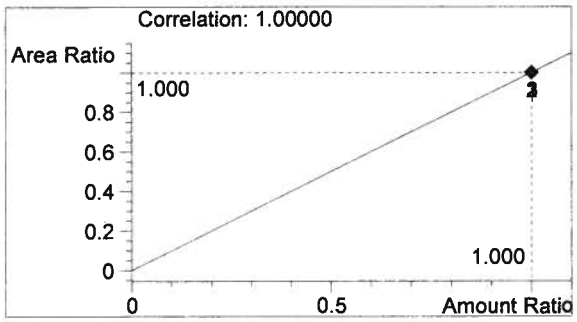
Sample Name: 13001 #5
Operator: Christie Mitchell-Mata
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	558	1.041
2	n-Propanol	2338	1.705



Ethanol 0.050 g/100mL



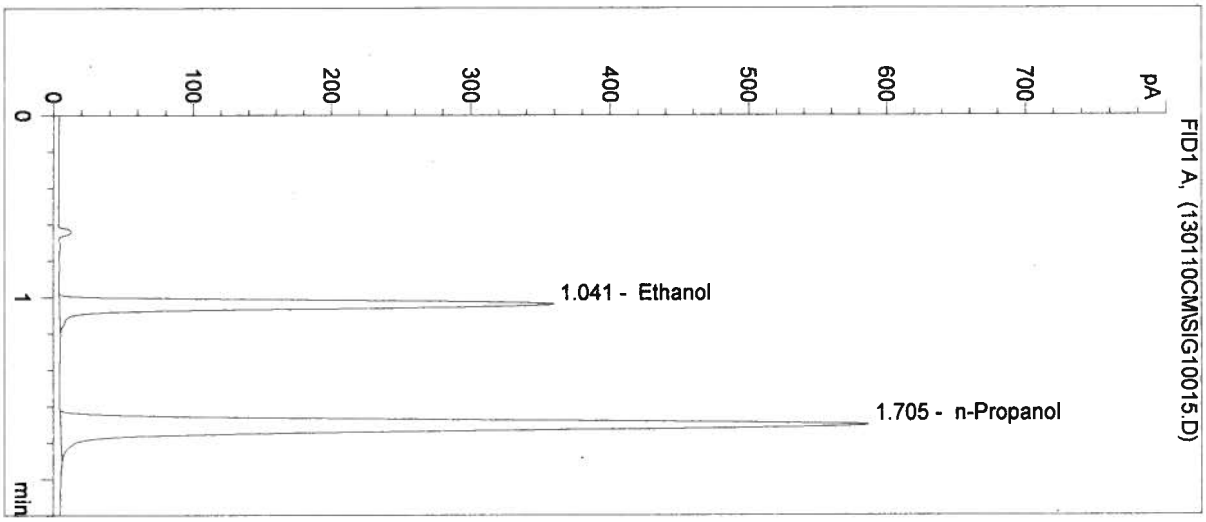
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\130110CM\SIG10014.D

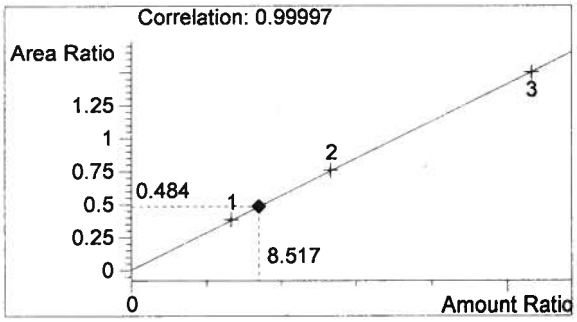
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 4:05:08 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

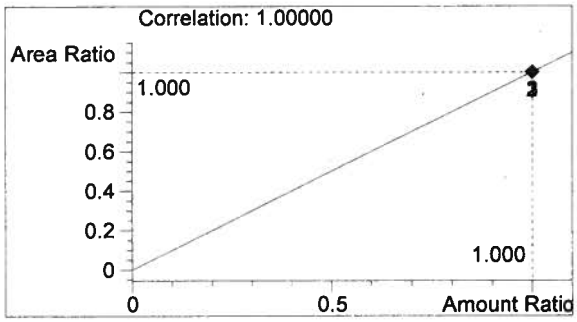
Sample Name: 0.10 CTRL - CM
Operator: Christie Mitchell-Mata
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1120	1.041
2	n-Propanol	2313	1.705



Ethanol 0.102 g/100mL



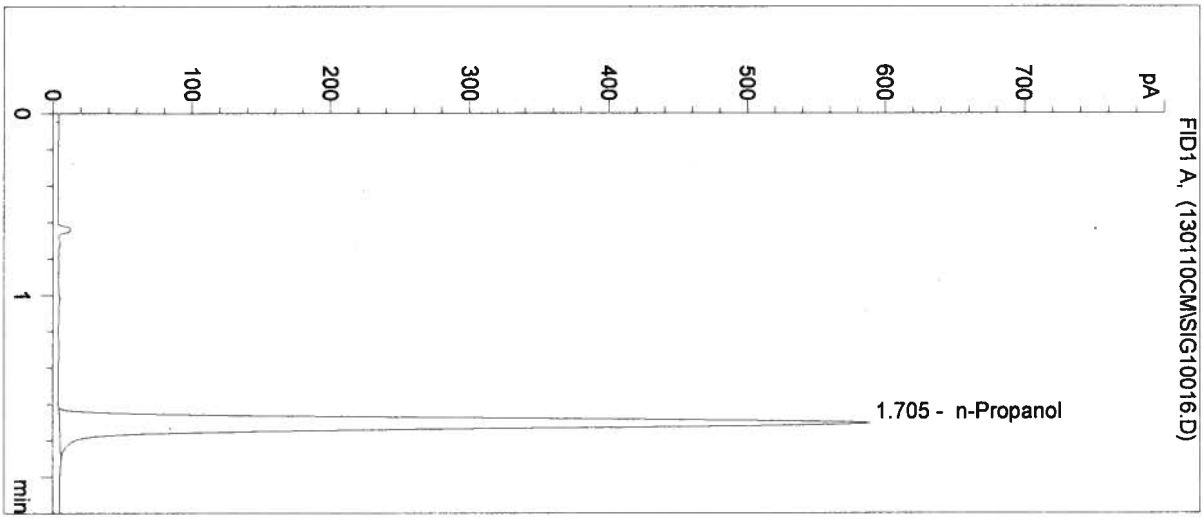
n-Propanol 0.012 g/100mL

13001

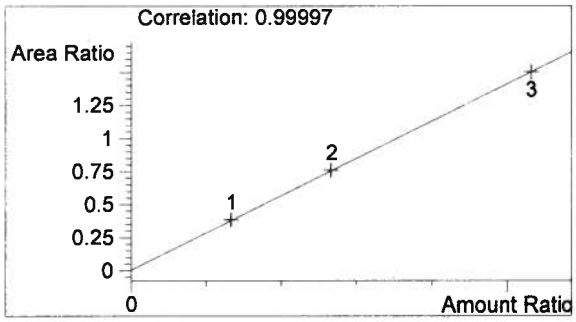
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/10/2013 4:08:13 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

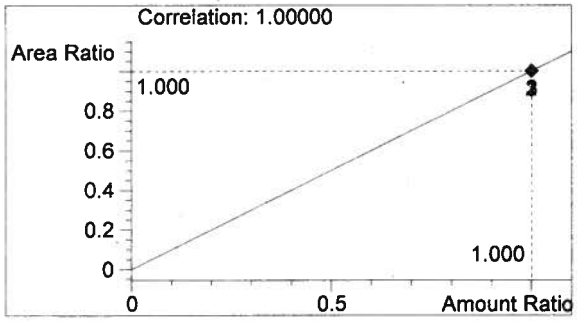
Sample Name: NEG CTRL - CM
Operator: Christie Mitchell-Mata
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2318	1.705



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13001

CM

Sequence: C:\HPCHEM\1\SEQUENCE\JKQARUN1.S

Sequence Parameters:

Operator:	Justin Knoy
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:	130116JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0912-01 - Exp. 03/06/2013
Ethanol Calibrator 2, E0912-02 - Exp. 03/06/2013
Ethanol Calibrator 3, E0912-03 - Exp. 03/06/2013

0.04 Control - Lot #A088613 - Exp. 09/2016
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A084657 - Exp. 02/2016

Internal standard: n-propanol Lot#P1212 - Exp. 03/31/2013

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - JK	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - JK	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - JK	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
10	Vial 10	13001-1	SIMALC1	1	Sample		
11	Vial 11	13001-2	SIMALC1	1	Sample		
12	Vial 12	13001-3	SIMALC1	1	Sample		
13	Vial 13	13001-4	SIMALC1	1	Sample		
14	Vial 14	13001-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
17	Vial 17	13002-1	SIMALC1	1	Sample		
18	Vial 18	13002-2	SIMALC1	1	Sample		
19	Vial 19	13002-3	SIMALC1	1	Sample		
20	Vial 20	13002-4	SIMALC1	1	Sample		
21	Vial 21	13002-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
24	Vial 24	13003-1	SIMALC1	1	Sample		
25	Vial 25	13003-2	SIMALC1	1	Sample		
26	Vial 26	13003-3	SIMALC1	1	Sample		

13001
13002
13003
13004

Sequence: C:\HPCHEM\1\SEQUENCE\JKQARUN1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	13003-4	SIMALC1	1	Sample		
28	Vial 28	13003-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
31	Vial 31	13004-1	SIMALC1	1	Sample		
32	Vial 32	13004-2	SIMALC1	1	Sample		
33	Vial 33	13004-3	SIMALC1	1	Sample		
34	Vial 34	13004-4	SIMALC1	1	Sample		
35	Vial 35	13004-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL JK	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

13001
13002
13003
13004

Method C:\HPCHEM\1\METHODS\SIMALC1.M

==========

Calibration Table

==========

Calib. Data Modified : Wednesday, January 16, 2013 10:00:08 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
1.041	1	1	7.98400e-2	861.81018	9.26422e-5	1		Ethanol
		2	1.59780e-1	1728.18164	9.24556e-5			
		3	3.19310e-1	3410.87695	9.36152e-5			
1.706	1	1	1.20000e-2	2409.27417	4.98075e-6	I1		n-Propanol
		2	1.20000e-2	2424.45313	4.94957e-6			
		3	1.20000e-2	2394.30225	5.01190e-6			

==========

Peak Sum Table

==========

No Entries in table

==========

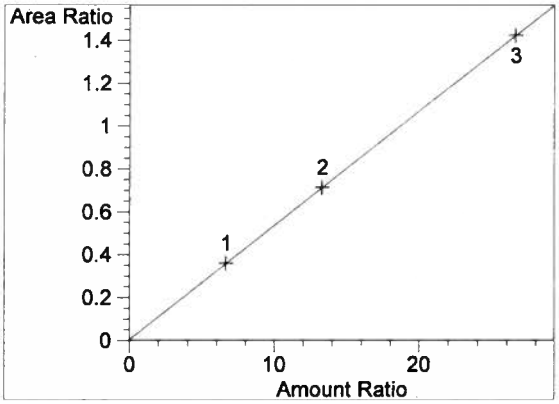
13001
13002
13003
13004

JK

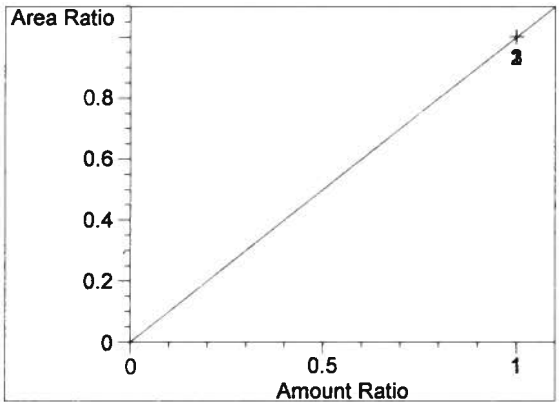
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00089
Formula: y = mx + b
m: 5.35177e-2
b: 5.94855e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.706
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

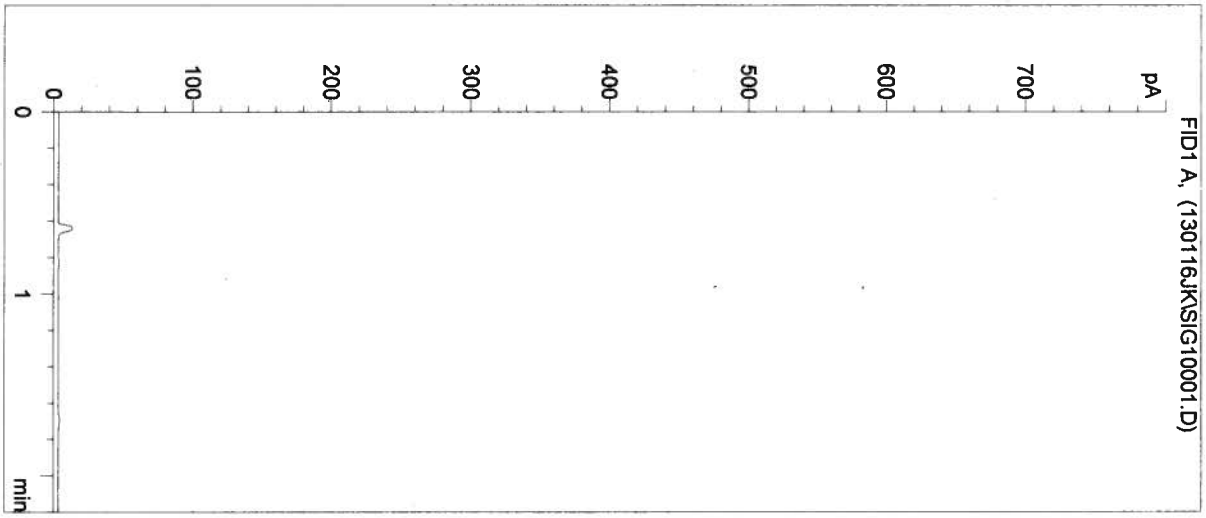
==========

13001
13002
13003
13004

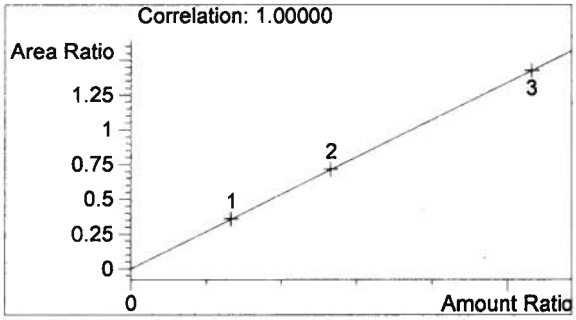
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 9:48:41 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

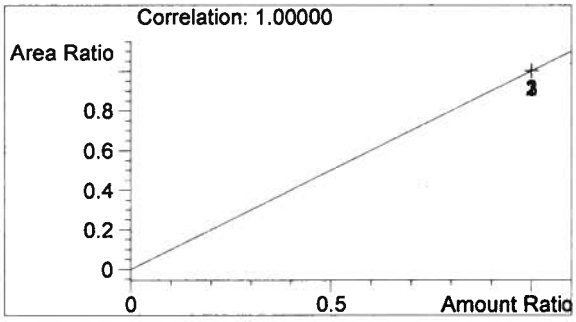
Sample Name: BLANK
Operator: Justin Knoy
Location: Vial 1



#	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

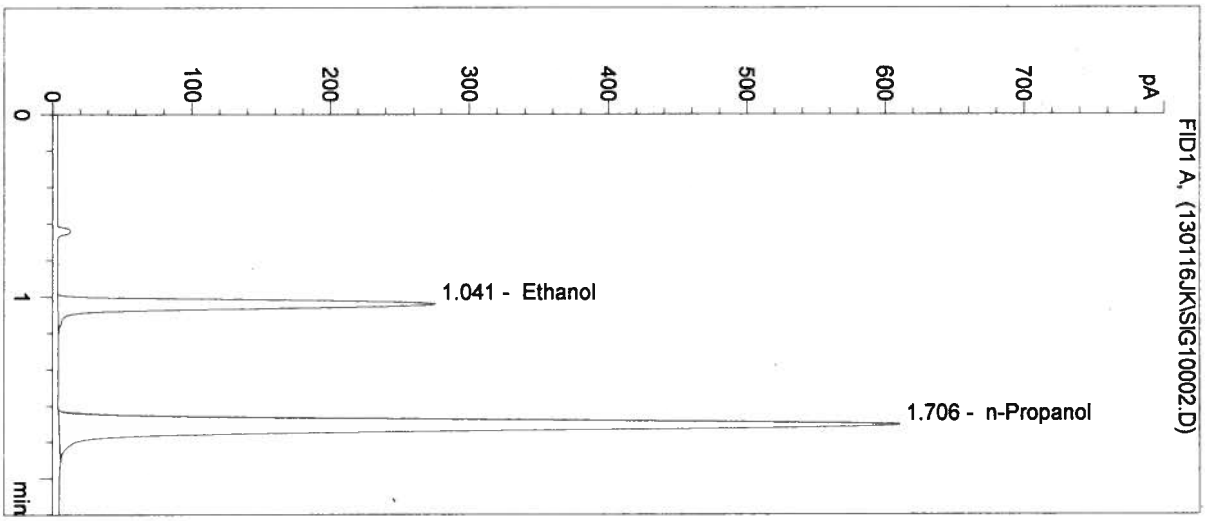
13001
13002
13003
13004

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

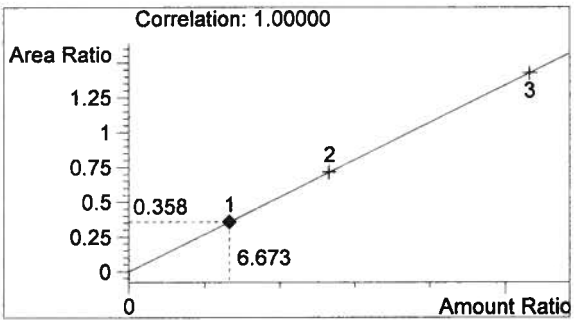
Inj. Date: 1/16/2013 9:51:45 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: Ethanol Calibrator 1, E0912-01 - Exp. 03/06/2013

Sample Name: 0.079 CAL 1
Operator: Justin Knoy
Location: Vial 2

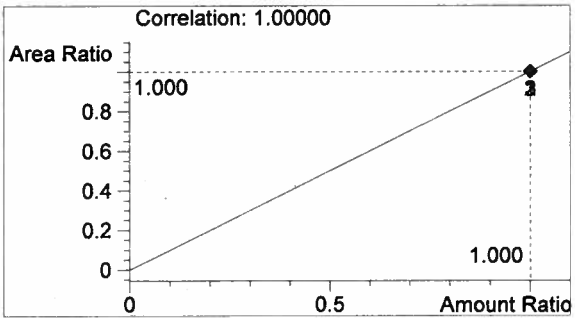
->



#	Compound	Peak Area	RT (min)
1	Ethanol	862	1.041
2	n-Propanol	2409	1.706



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

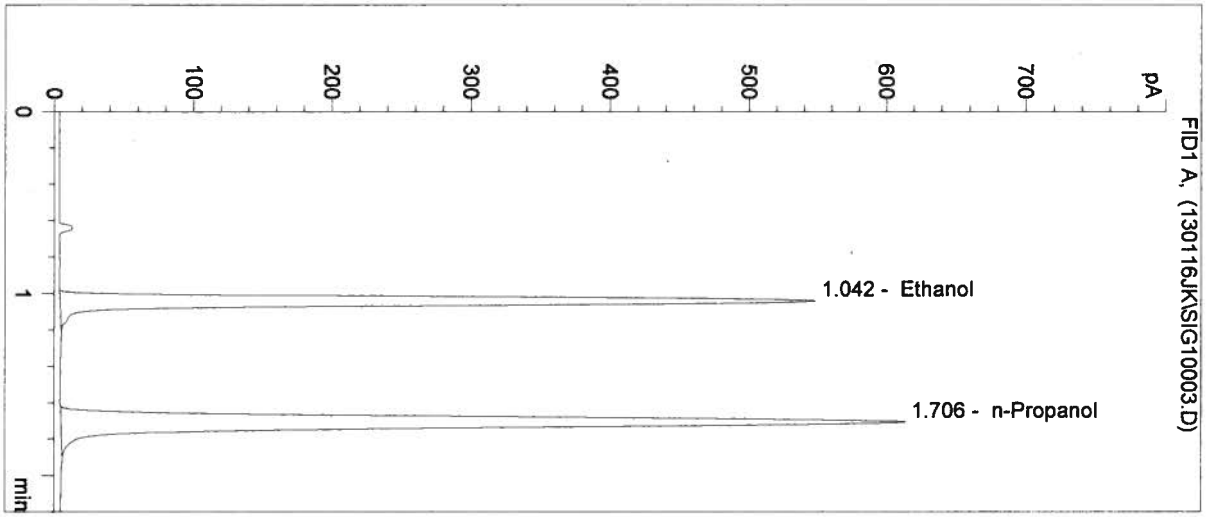
13001
13002
13003
13004

Data File: C:\HPCHEM\1\DATA\130116JK\SIG10002.D

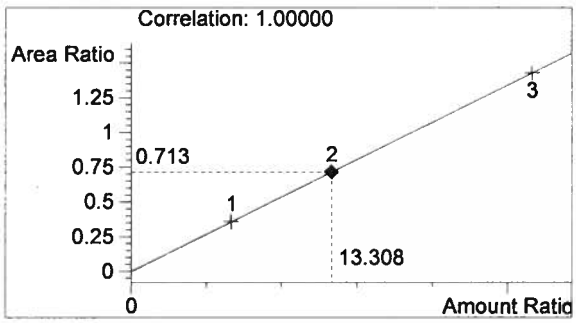
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 9:54:50 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: Ethanol Calibrator 2, E0912-02 - Exp. 03/06/2013

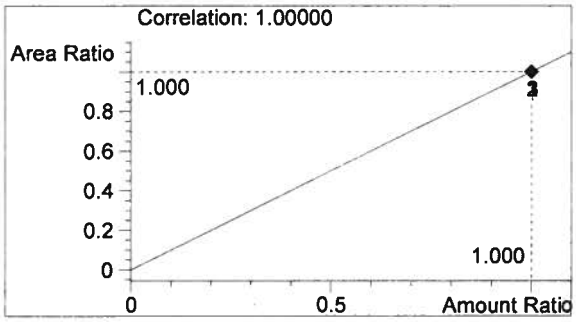
Sample Name: 0.158 CAL 2
Operator: Justin Knoy
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1728	1.042
2	n-Propanol	2424	1.706



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

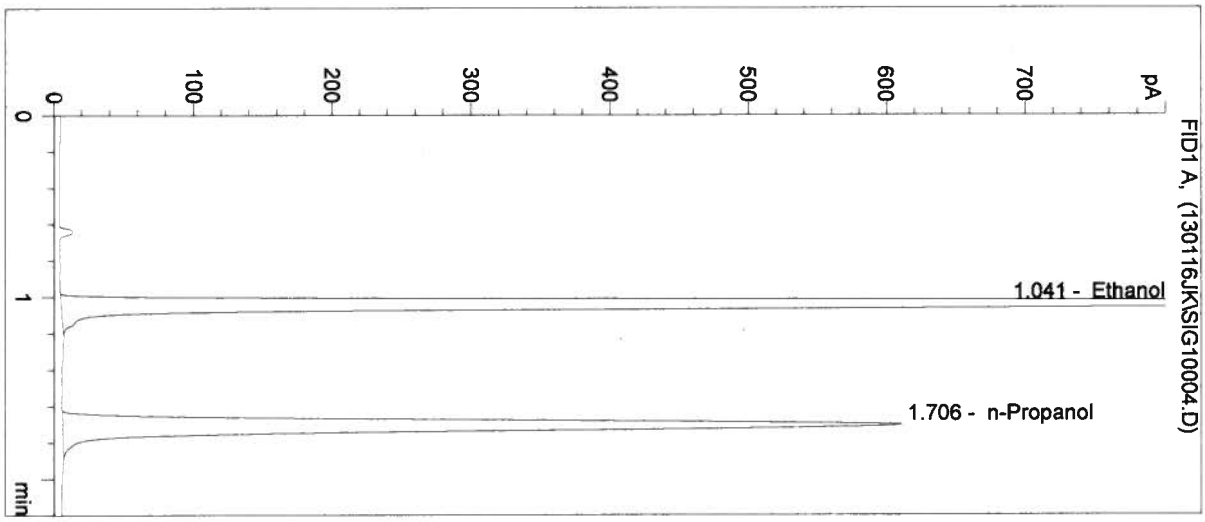
13001
13002
13003
13004

Data File: C:\HPCHEM\1\DATA\130116JK\SIG10003.D

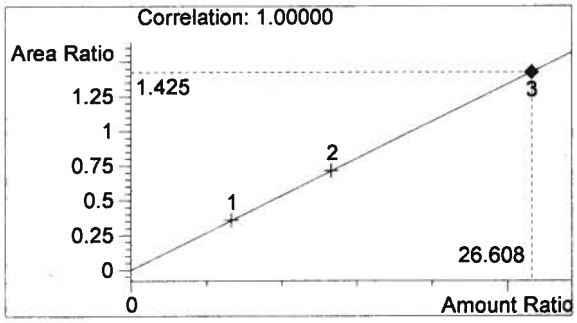
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 9:57:55 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: Ethanol Calibrator 3, E0912-03 - Exp. 03/06/2013

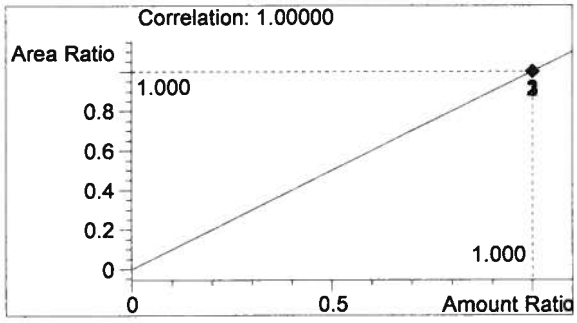
Sample Name: 0.316 CAL 3
Operator: Justin Knoy
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3411	1.041
2	n-Propanol	2394	1.706



Ethanol 0.319 g/100mL



n-Propanol 0.012 g/100mL

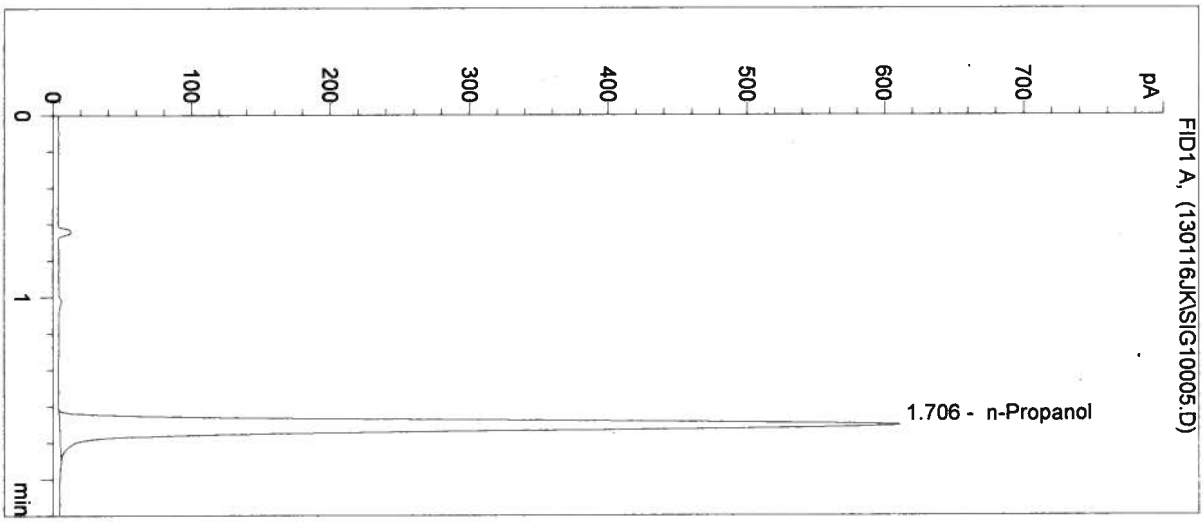
13001
13002
13003
13004

Data File: C:\HPCHEM\1\DATA\130116JK\SIG10004.D

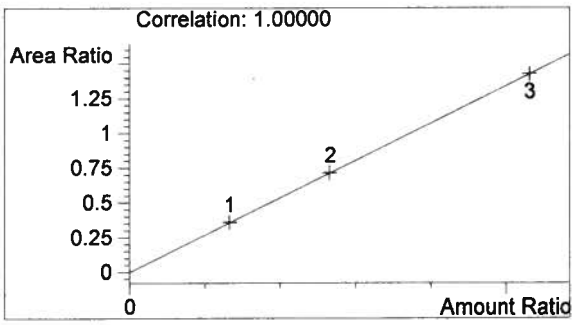
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:01:00 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

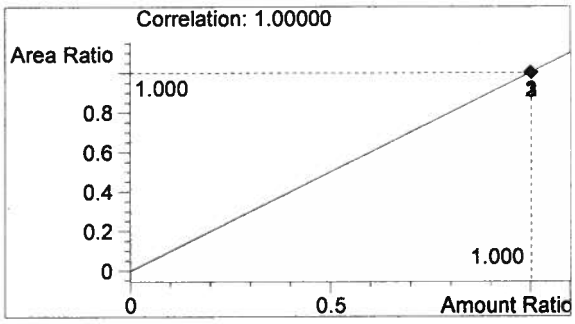
Sample Name: NEG CTRL JK
Operator: Justin Knoy
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2403	1.706



Ethanol 0.000 g/100mL



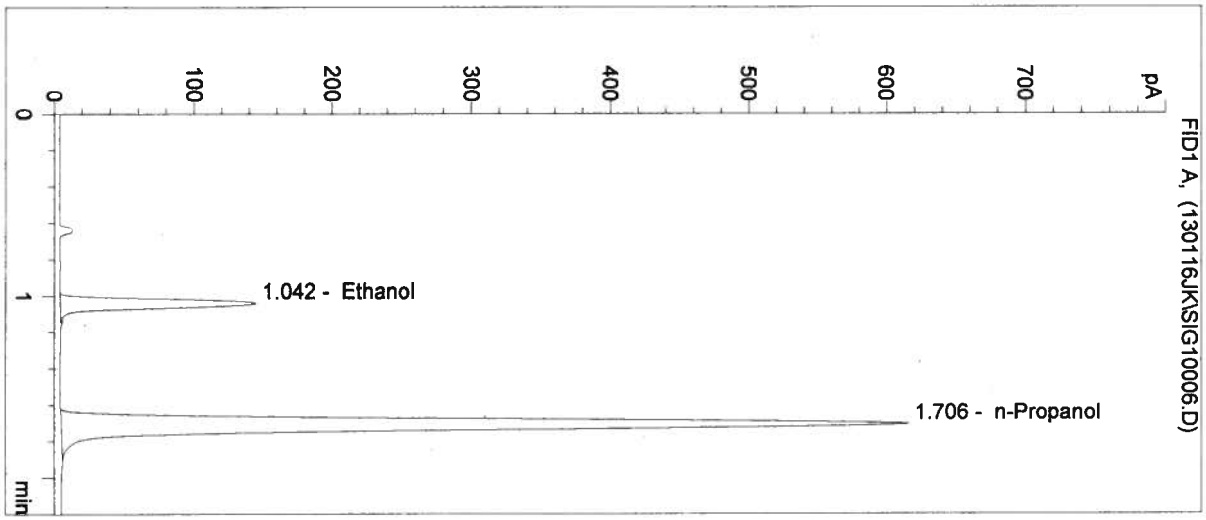
n-Propanol 0.012 g/100mL

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

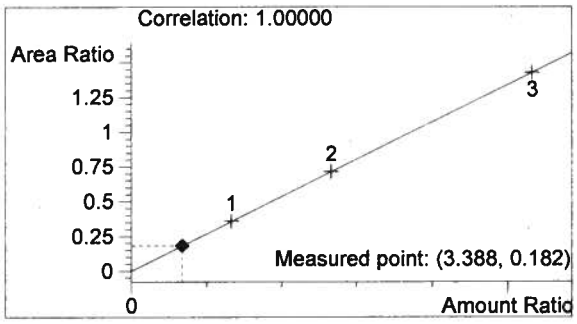
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:04:05 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

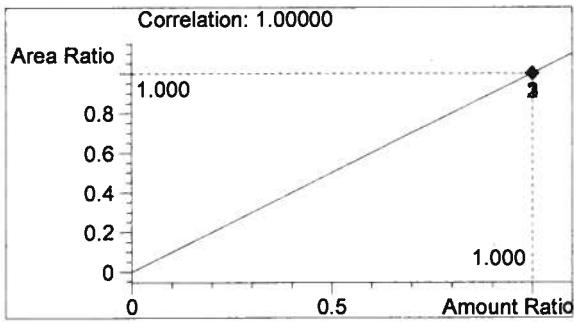
Sample Name: 0.04 CTRL - JK
Operator: Justin Knoy
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	442	1.042
2	n-Propanol	2430	1.706



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

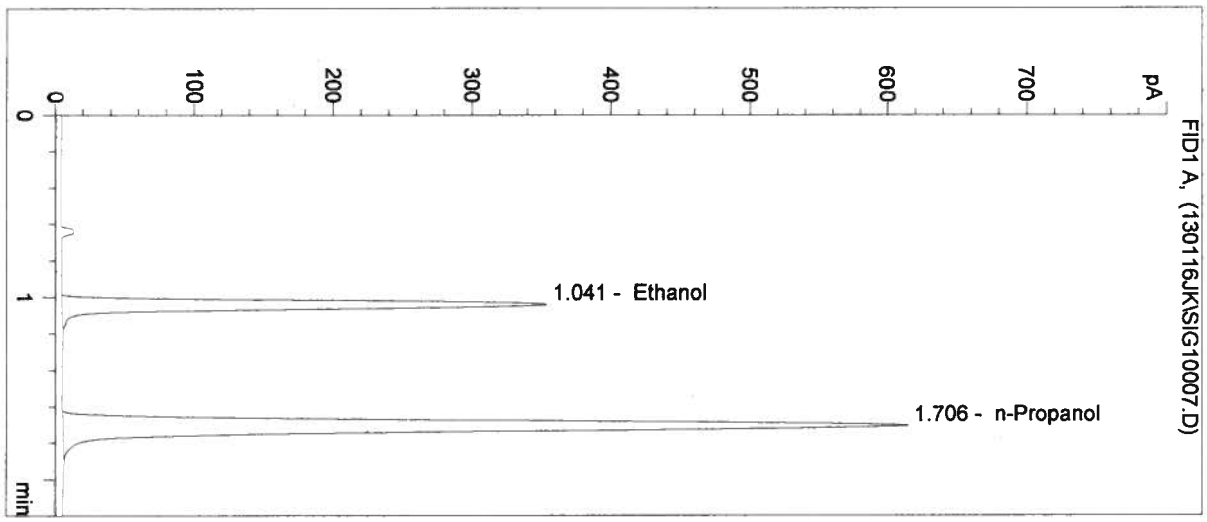
13001
13002
13003
13004

Data File: C:\HPCHEM\1\DATA\130116JK\SIG10006.D

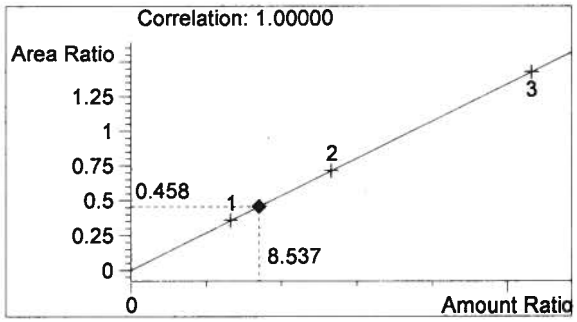
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:07:09 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

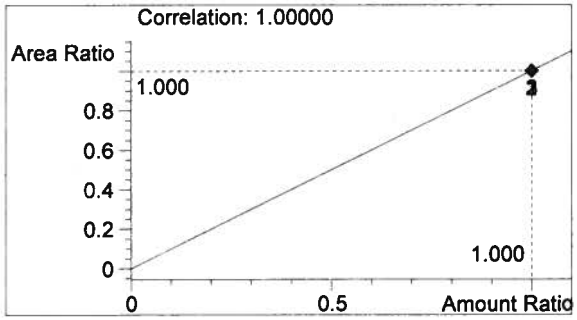
Sample Name: 0.10 CTRL - JK
Operator: Justin Knoy
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1109	1.041
2	n-Propanol	2423	1.706



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

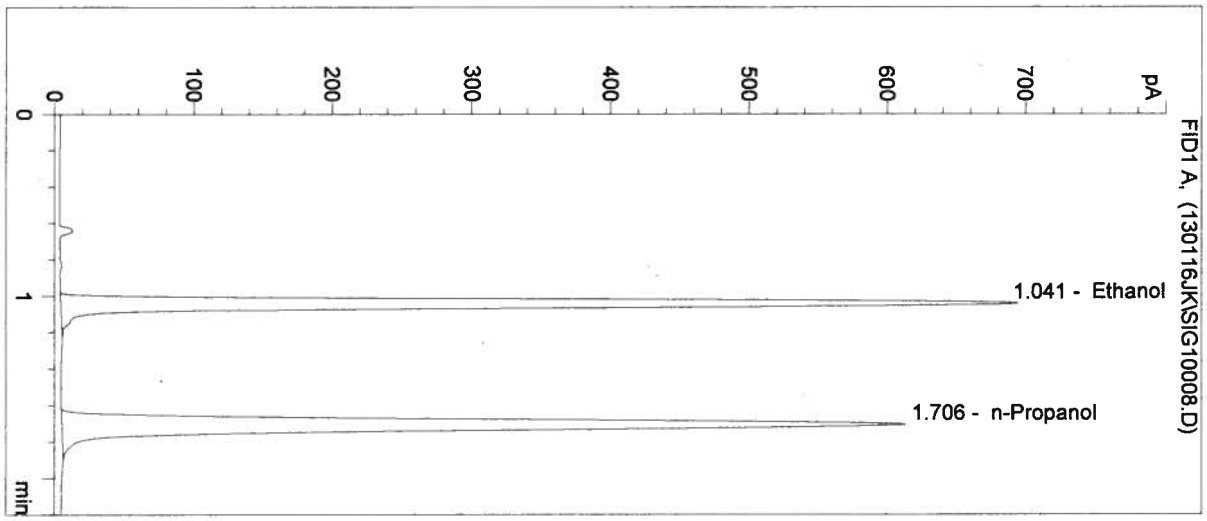
13001
13002
13003
13004

Data File: C:\HPCHEM\1\DATA\130116JK\SIG10007.D

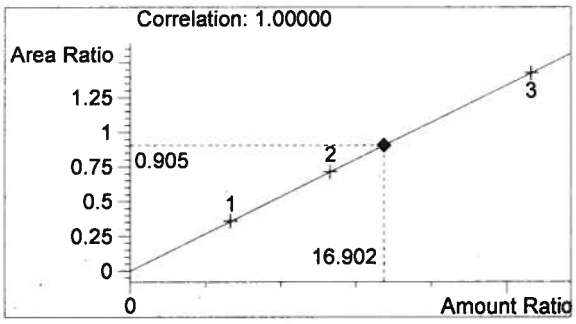
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:10:14 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

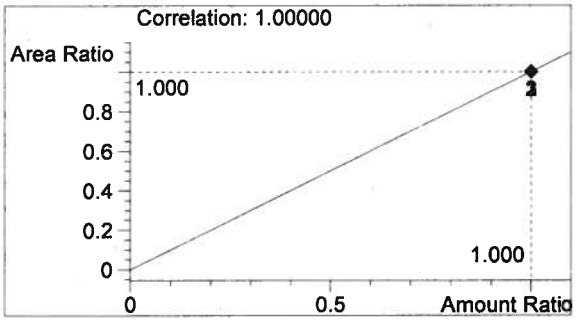
Sample Name: 0.20 CTRL - JK
Operator: Justin Knoy
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2188	1.041
2	n-Propanol	2417	1.706



Ethanol 0.203 g/100mL



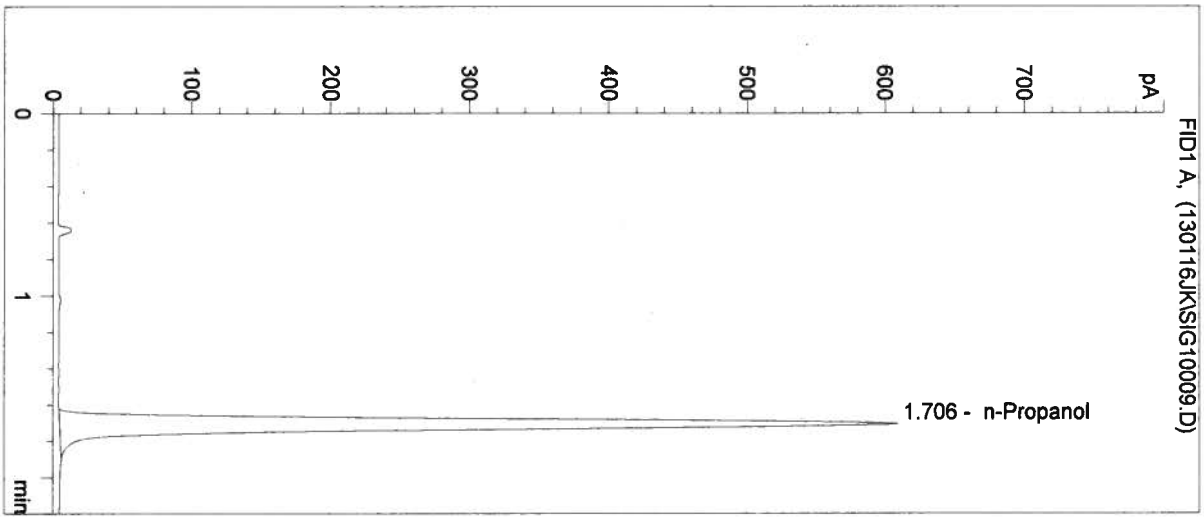
n-Propanol 0.012 g/100mL

13001
13002
13003
13004

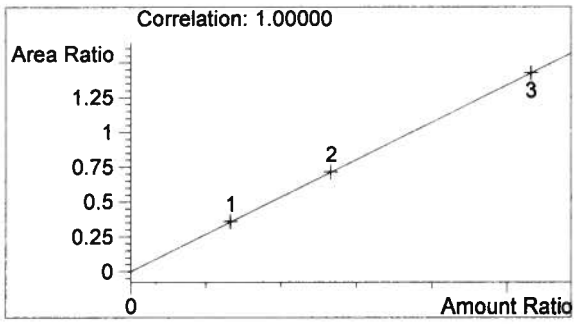
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:13:19 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

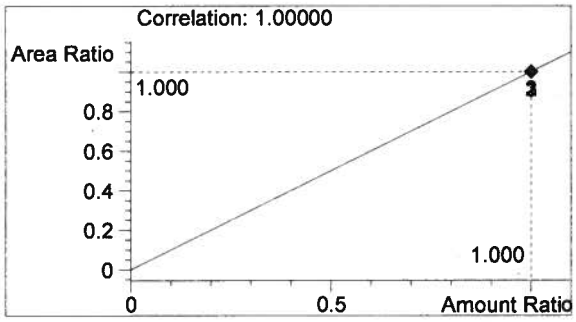
Sample Name: NEG CTRL JK
Operator: Justin Knoy
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2406	1.706



Ethanol 0.000 g/100mL



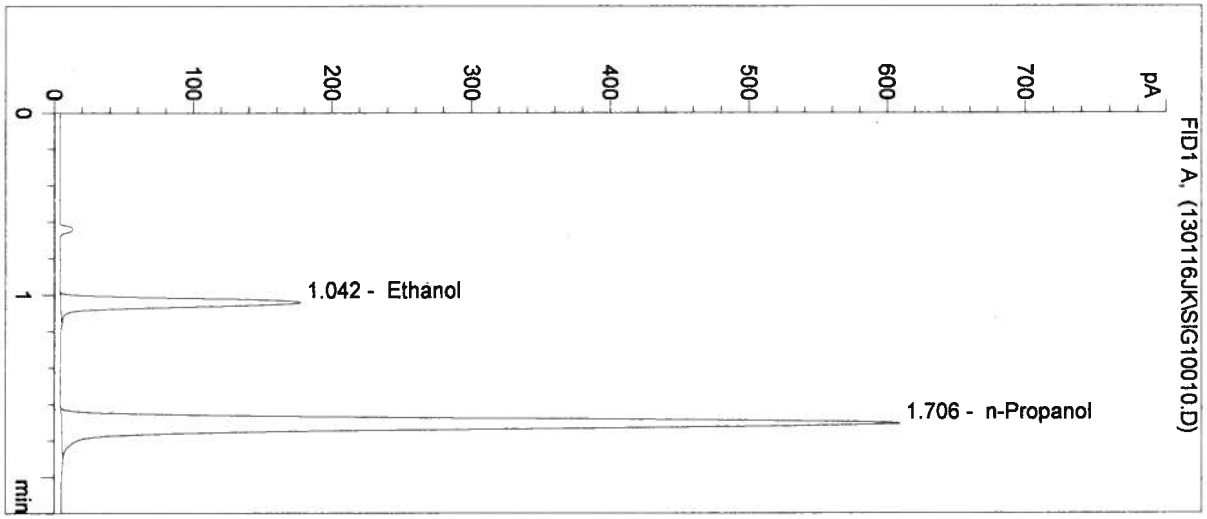
n-Propanol 0.012 g/100mL

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

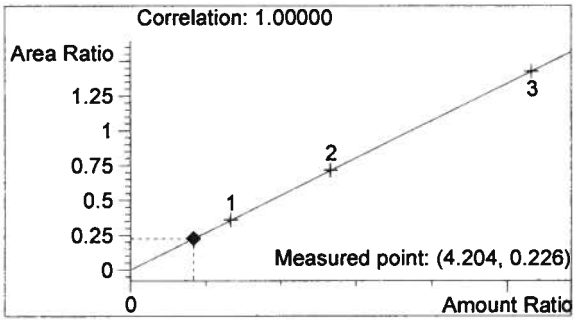
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:16:23 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

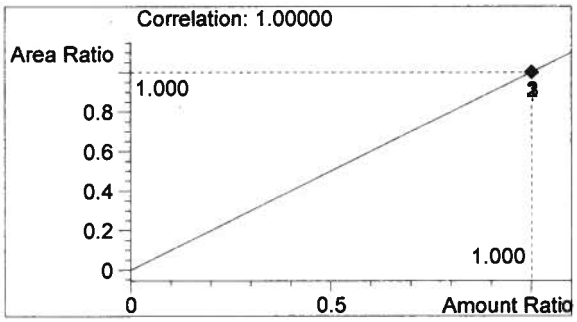
Sample Name: 13001-1
Operator: Justin Knoy
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	541	1.042
2	n-Propanol	2396	1.706



Ethanol 0.050 g/100mL



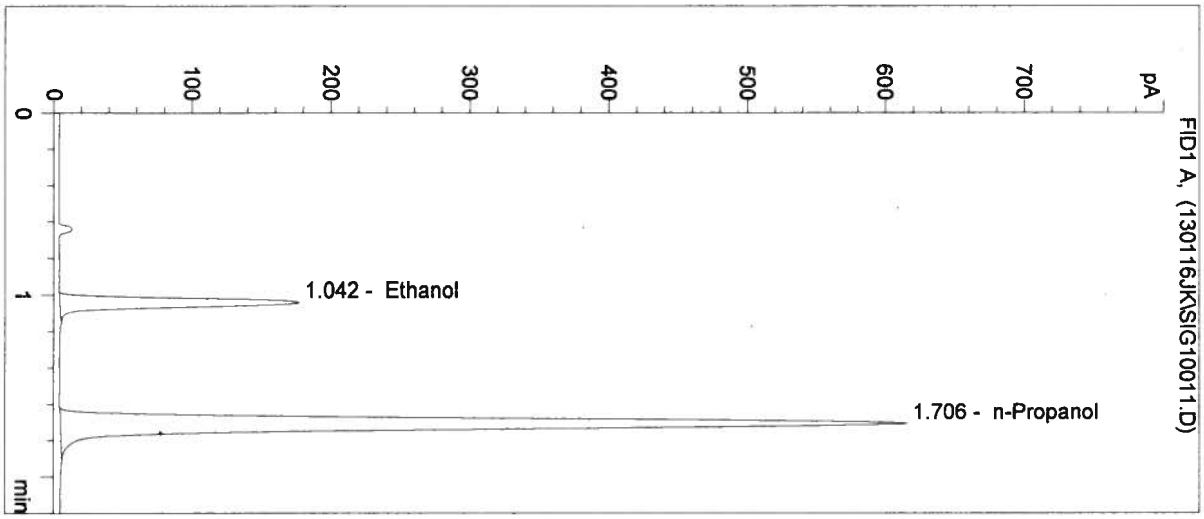
n-Propanol 0.012 g/100mL

JK

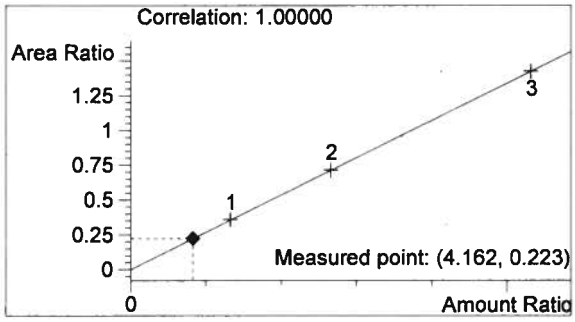
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:19:28 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

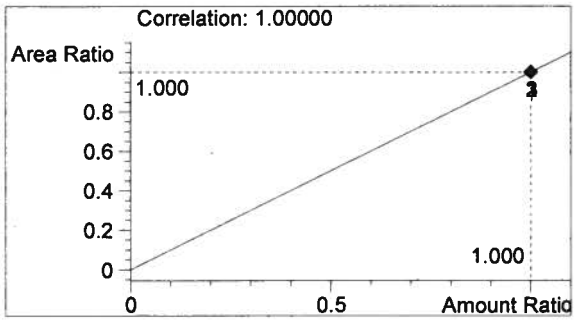
Sample Name: 13001-2
Operator: Justin Knoy
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	545	1.042
2	n-Propanol	2440	1.706



Ethanol 0.050 g/100mL

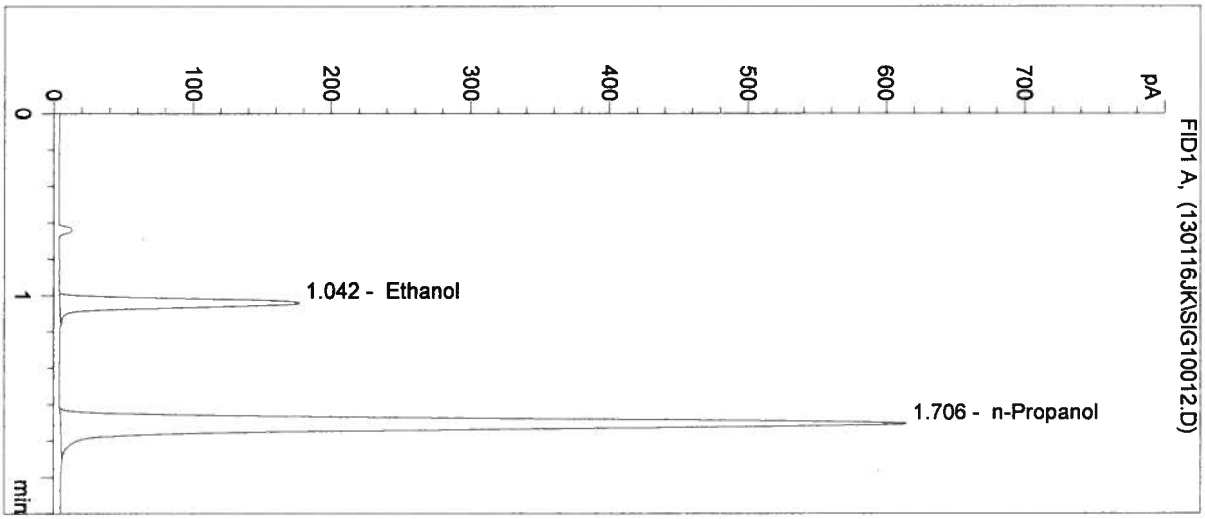


n-Propanol 0.012 g/100mL

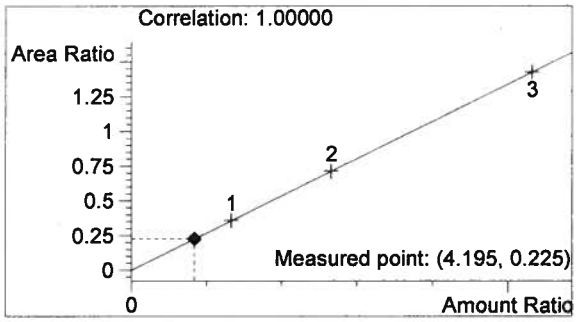
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:22:33 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

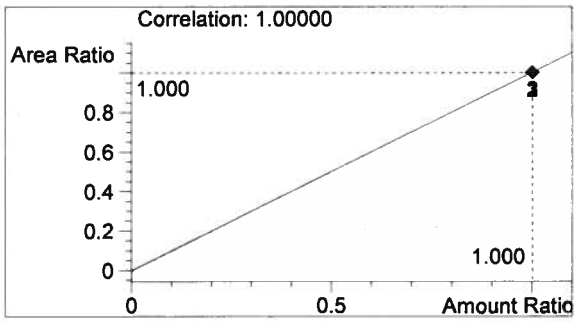
Sample Name: 13001-3
Operator: Justin Knoy
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	547	1.042
2	n-Propanol	2431	1.706



Ethanol 0.050 g/100mL

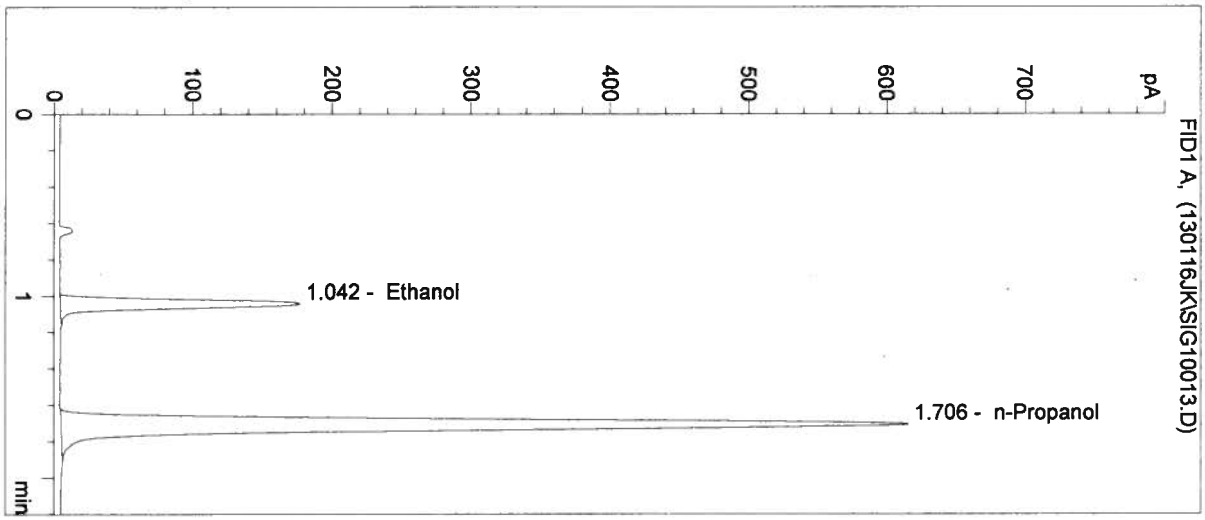


n-Propanol 0.012 g/100mL

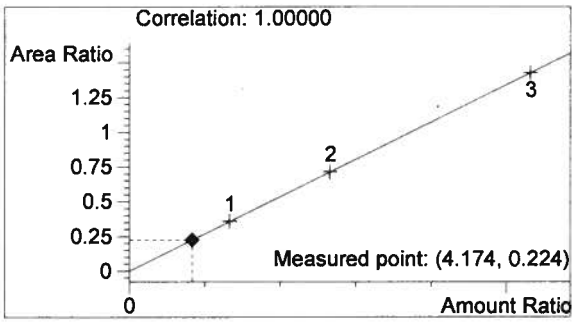
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:25:38 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

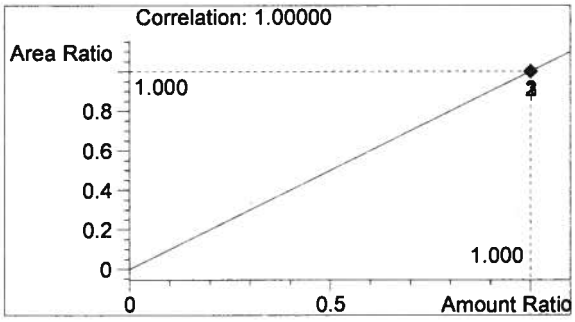
Sample Name: 13001-4
Operator: Justin Knoy
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	545	1.042
2	n-Propanol	2431	1.706



Ethanol 0.050 g/100mL

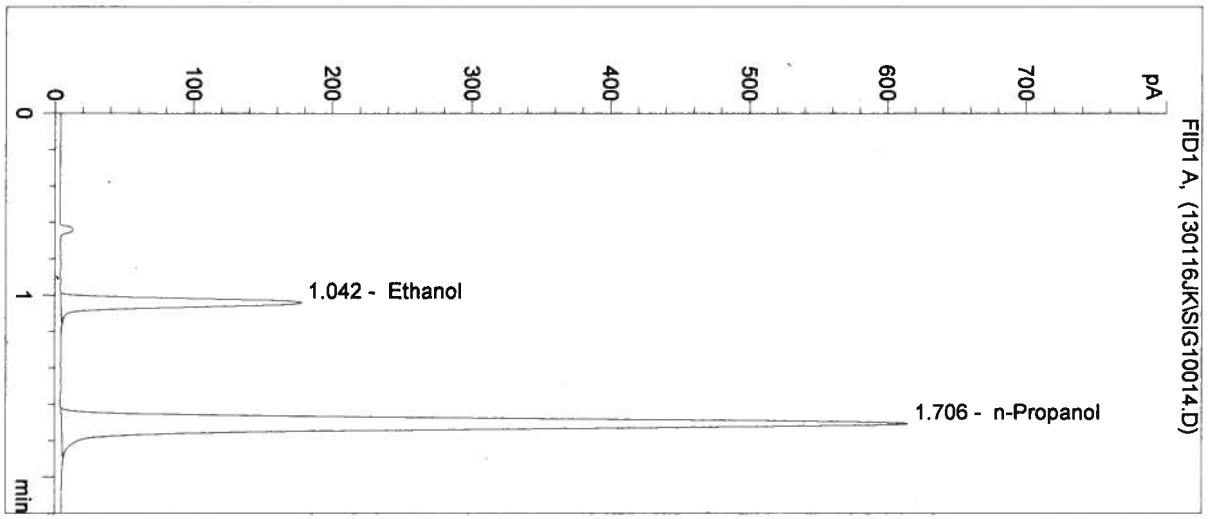


n-Propanol 0.012 g/100mL

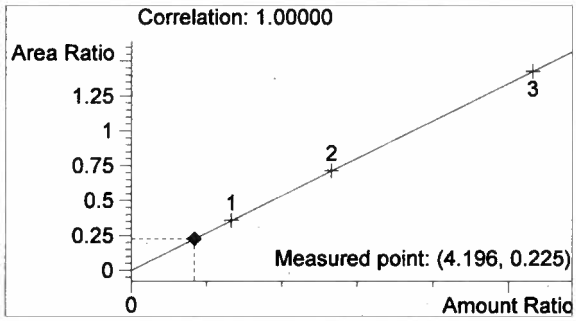
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:28:42 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

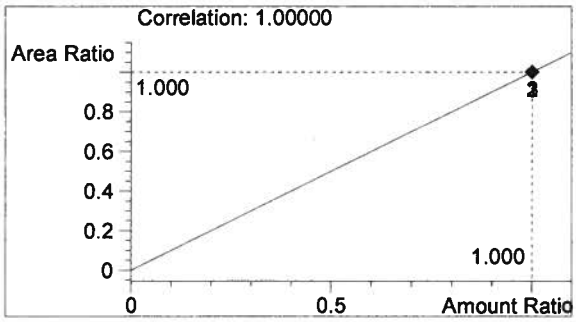
Sample Name: 13001-5
Operator: Justin Knoy
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	549	1.042
2	n-Propanol	2440	1.706



Ethanol 0.050 g/100mL

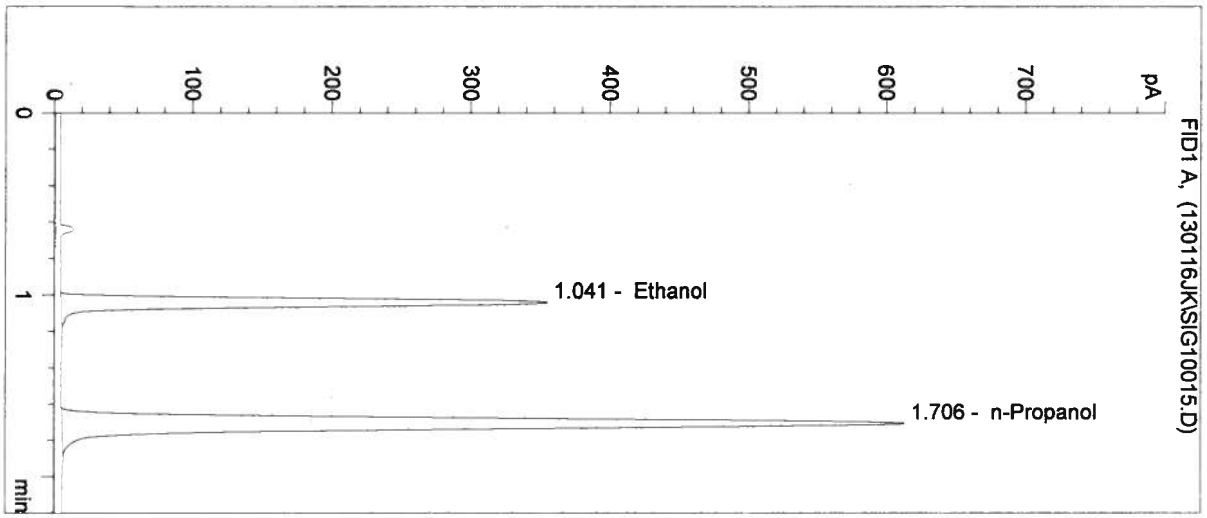


n-Propanol 0.012 g/100mL

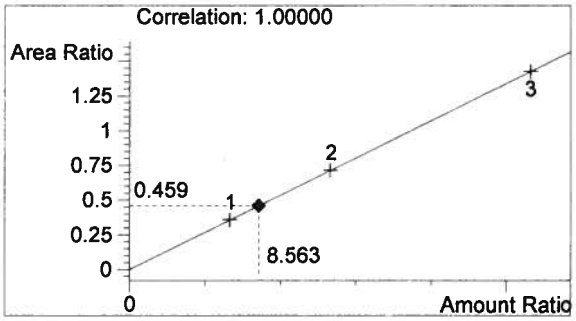
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:31:47 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

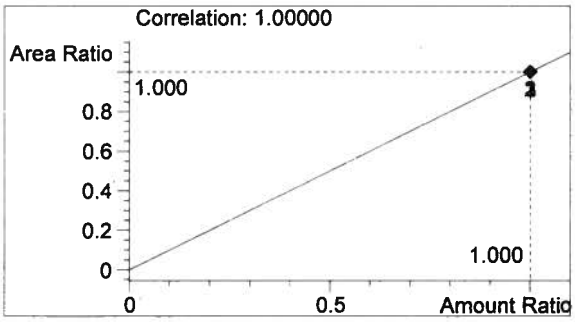
Sample Name: 0.10 CTRL JK
Operator: Justin Knoy
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1106	1.041
2	n-Propanol	2411	1.706



Ethanol 0.103 g/100mL



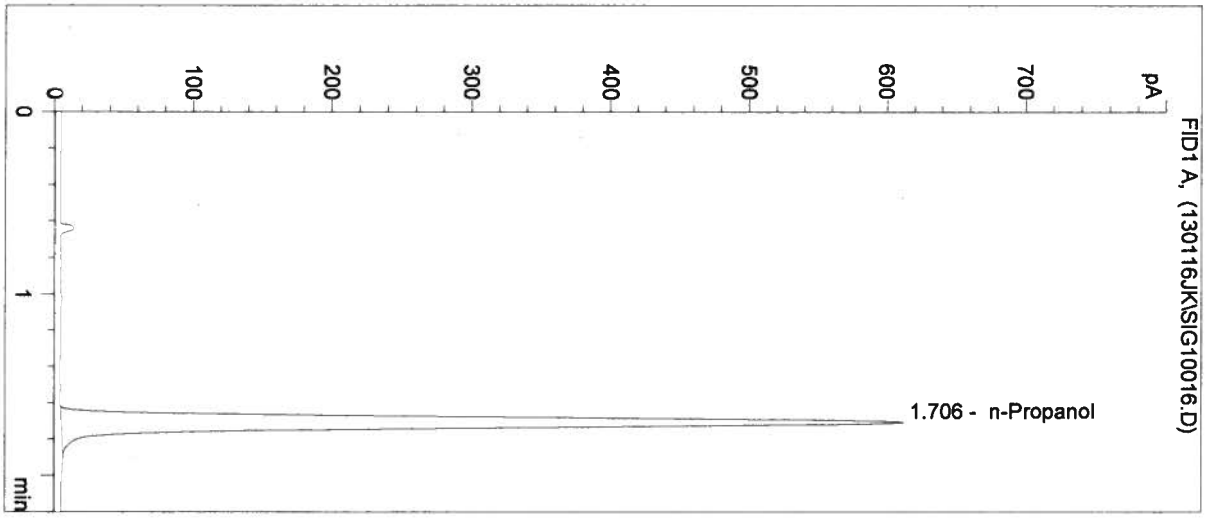
n-Propanol 0.012 g/100mL

13001

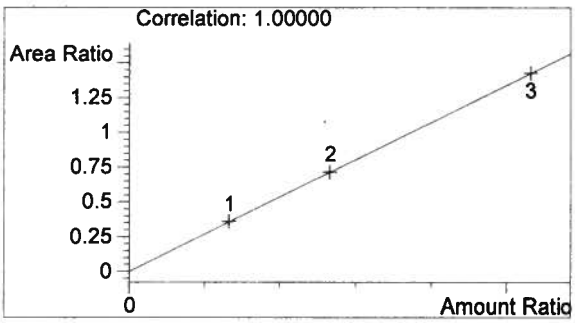
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/16/2013 10:34:52 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

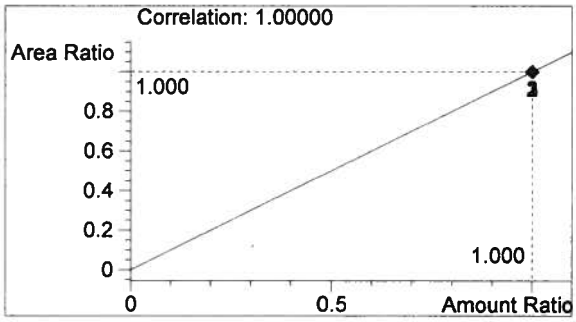
Sample Name: NEG CTRL JK
Operator: Justin Knoy
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2427	1.706



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13001