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: 14017

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: 05/21/2014
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Naziha Nuwayhid

	NN	AG	KK
1	0.049	0.050	0.050
2	0.050	0.050	0.050
3	0.049	0.050	0.050
4	0.051	0.050	0.050
5	0.050	0.050	0.050
C	0.101	0.101	0.101

ETHANOL CONTROL INFORMATION
LOT NUMBER: FN08051301 EXPIRATION: 10/2018 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0499 g/100mL
STANDARD DEVIATION: 0.00046
PRECISION CV (%): 0.92
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0406 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0004 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble — Forensic Scientist Supervisor

6/27/14
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
NN	Naziha Nuwayhid		05/21/2014
AG	Andrew Gingras		05/22/2014
KK	Katie Knorr	Katie Knorr	06/20/2014

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 #: 14017 **Date Prepared:** 5/21/2014

Analyst:	NN	AG	KK
Date Tested:	5/21/2014	5/22/2014	6/20/2014
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.049	0.050	0.050
2	0.050	0.050	0.050
3	0.049	0.050	0.050
4	0.051	0.050	0.050
5	0.050	0.050	0.050
C	0.101	0.101	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000056022	0.0000000000	0.0001016326

Ethanol Control Lot #: FN08051301
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0499 g/100mL
Standard Deviation: 0.00046 g/100mL
Precision CV (%): 0.92
Equivalent Vapor Concentration: 0.0406 g/210L
Combined Standard Uncertainty (±): 0.0004 g/210L

Calculations performed by: Lisa Noble (Name) Lisa Noble (Signature) 6/24/14 (Date)

Calculations verified by: Amanda M. Black (Name) [signature] (Signature) 6-27-2014 (Date) Method: Hand calculation

Tech. review performed by: Lisa Noble (Name) Lisa Noble (Signature) 6/24/14 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black **Date:** 6-27-2014

Location: WSP- FLSB Seattle, WA **Solution Batch Number:** 14017

	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:** 6-27-2014

Reviewer Signature: N/A AB 6-27-14 **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		
Andrew Gingras	AC	6/25/14
Asa Louis		
Brittany Ball		
Christie Mitchell-Mata		
Christopher Johnston		
Dawn Sklerov		
Justin Knoy		
Katie Knorr	KK	6/24/14
Lyndsey Lowe		
Naziha Nuwayhid	NN	6.24.14
Rebecca Flaherty		
Sarah Swenson		

Batch # 14017

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 14017

I, Naziha Nuwayhid, 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: Bachelor and Masters Degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and more than ten years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The qap solution, Lot Number 14017, was prepared in the Washington State Toxicology Laboratory on 5/21/2014. 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 5/21/2015.

Seattle, WA

Naziha Nuwayhid 6.24.14

Naziha Nuwayhid 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 14017

I, Andrew Gingras, 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 Cell and Molecular Biology and MS degree in Forensic Science.

The qap solution, Lot Number 14017, was prepared in the Washington State Toxicology Laboratory on 5/21/2014. 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 5/21/2015.

Seattle, WA

6/25/14

Andrew Gingras 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 14017

I, Katie Knorr, 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 in Biochemistry and MS degree in Forensic Science.

The qap solution, Lot Number 14017, was prepared in the Washington State Toxicology Laboratory on 5/21/2014. 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 5/21/2015.

Seattle, WA

Katie Knorr 6/24/14

Katie Knorr 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: 5.21.14 Initials of Preparer: NN

Expiration Date: 5.21.15

Lot # of 200-proof Ethanol used in preparation: 2CB0070

Date the 200-proof Ethanol bottle was opened: 4/25/14

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	☑	14017
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☑	14018
QAP 0.15	42.0	18	☐	
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 ☐ 5.22.14 Date

5.21.14 NN 5.22.14 NN 5.21.14 NN "Boxed" 6.27.14 NN

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 5.22.14 Date

Sequence Parameters:

Operator:	Naziha Nuwayhid, PhD
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:	140521NN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0414-01 - Exp. 10/15/14
Ethanol Calibrator 2, E0414-02 - Exp. 10/15/14
Ethanol Calibrator 3, E0414-03 - Exp. 10/15/14

0.04 Control - Lot #FN05011301 - Exp. 0~~2~~5/2018 6.24.14 NN
0.10 Control - Lot #FN08051301 - Exp. 10/2018
0.20 Control - Lot #FN100511-01 - Exp. 10/2016

ISTD Lot#P0314 - Exp. 06/24/2014

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	Negative	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 Ctrl	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 Ctrl	SIMALC1	1	Ctrl Samp		
9	Vial 9	Negative	SIMALC1	1	Ctrl Samp		
10	Vial 10	14017 #1	SIMALC1	1	Sample		
11	Vial 11	14017 #2	SIMALC1	1	Sample		
12	Vial 12	14017 #3	SIMALC1	1	Sample		
13	Vial 13	14017 #4	SIMALC1	1	Sample		
14	Vial 14	14017 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative	SIMALC1	1	Ctrl Samp		
17	Vial 17	14018 #1	SIMALC1	1	Sample		
18	Vial 18	14018 #2	SIMALC1	1	Sample		
19	Vial 19	14018 #3	SIMALC1	1	Sample		
20	Vial 20	14018 #4	SIMALC1	1	Sample		
21	Vial 21	14018 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
23	Vial 23	Negative	SIMALC1	1	Ctrl Samp		

Calibration Part:

Sequence: C:\HPCHEM\1\SEQUENCE\NNESS1.S

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!

14017

14018

Calibration Table

EtOH Calibration

Calib. Data Modified : Thursday, May 22, 2014 8:03:32 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
5	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	8.12400e-2	856.45343	9.48563e-5	5		Ethanol
		2	1.59860e-1	1709.46777	9.35145e-5			
		3	3.17330e-1	3342.64380	9.49338e-5			
1.704	1	1	1.20000e-2	2386.68335	5.02790e-6	I5		n-Propanol
		2	1.20000e-2	2413.76636	4.97148e-6			
		3	1.20000e-2	2394.46997	5.01155e-6			

14017

14018

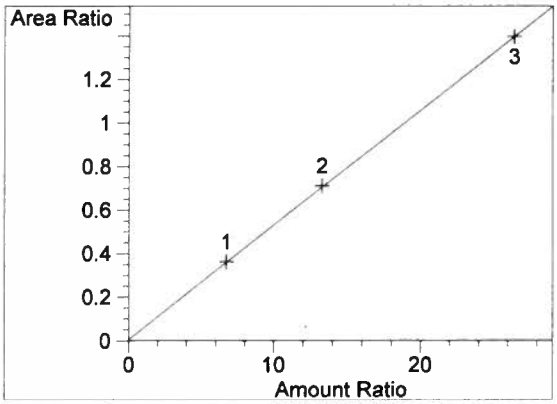
Peak Sum Table

No Entries in table

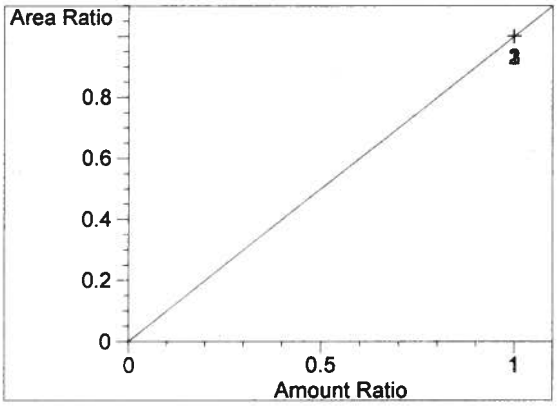
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00287
Formula: y = mx + b
m: 5.27933e-2
b: 1.56718e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.704
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

==========

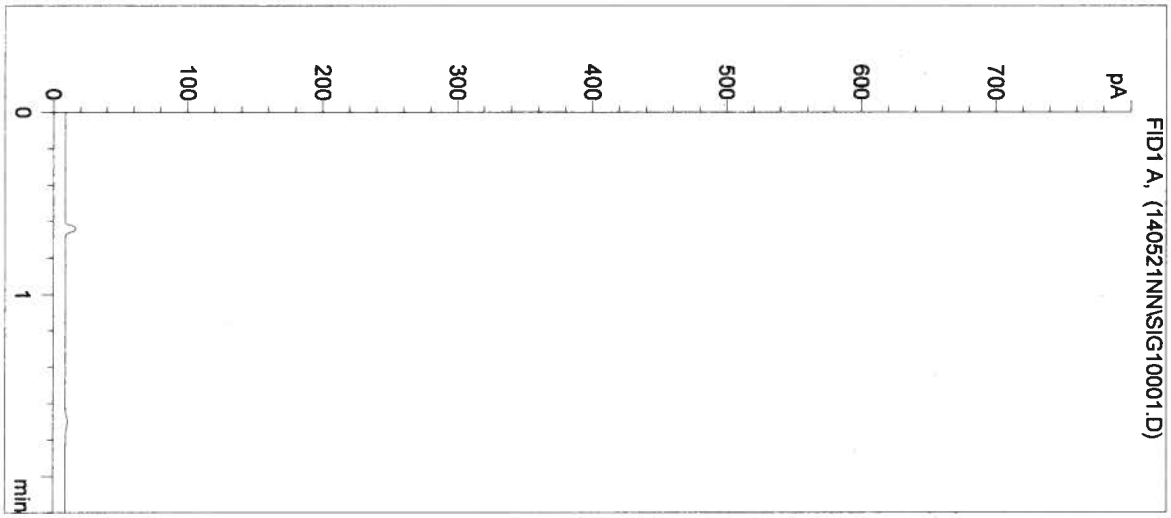
14017

14018

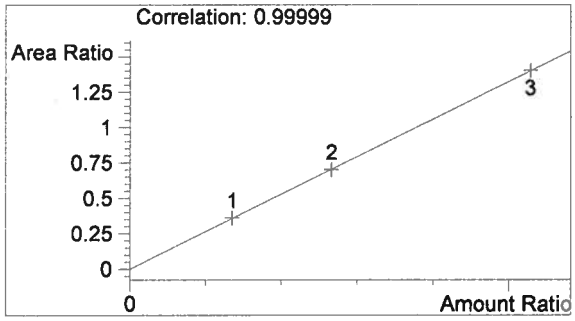
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:07:24 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\BLDALCO.M
Sample Info:

Sample Name: BLANK
Operator: Naziha Nuwayhid, PhD
Location: Vial 1

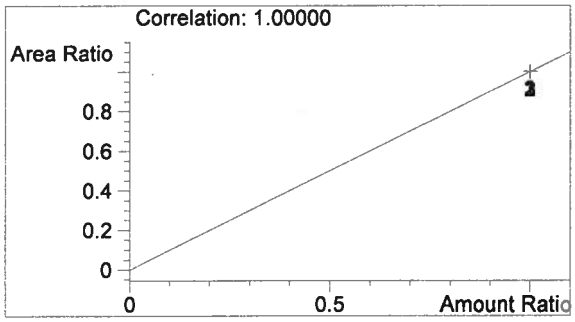


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

14017



n-Propanol 0.000 g/100mL

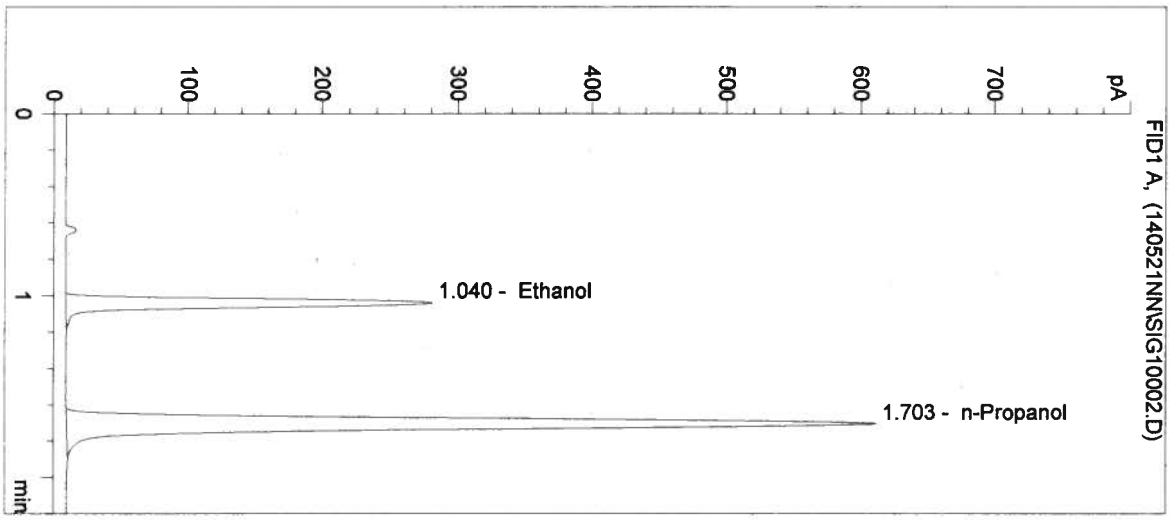
14018

NW

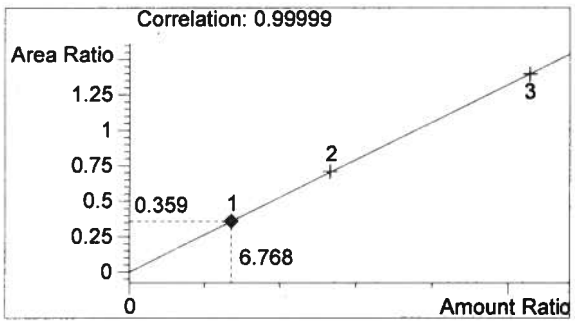
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:10:29 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\BLDALCO.M
Sample Info:

Sample Name: 0.079 CAL 1
Operator: Naziha Nuwayhid, PhD
Location: Vial 2



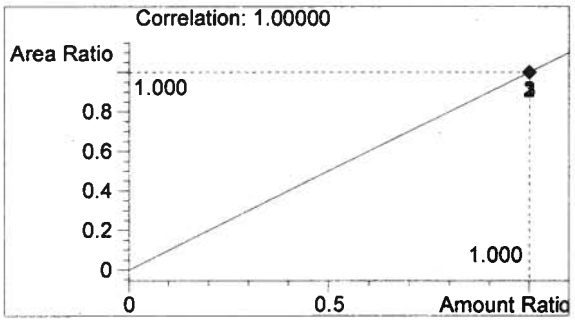
#	Compound	Peak Area	RT (min)
1	Ethanol	856	1.040
2	n-Propanol	2387	1.703



Ethanol 0.081 g/100mL

14017

14018

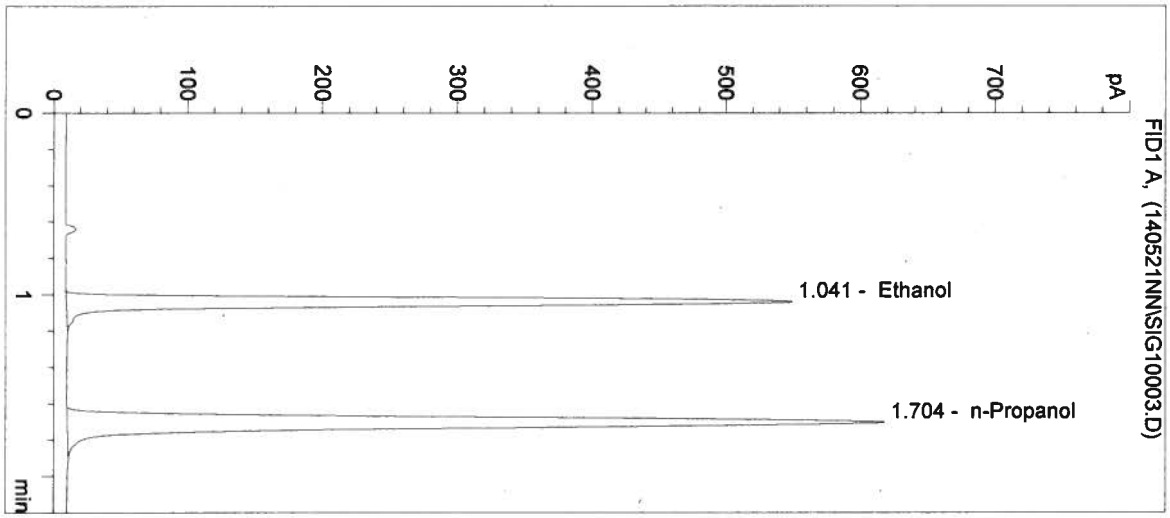


n-Propanol 0.012 g/100mL

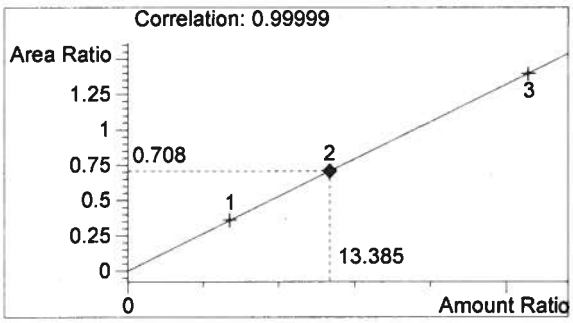
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:13:34 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\BLDALCO.M
Sample Info:

Sample Name: 0.158 CAL 2
Operator: Naziha Nuwayhid, PhD
Location: Vial 3

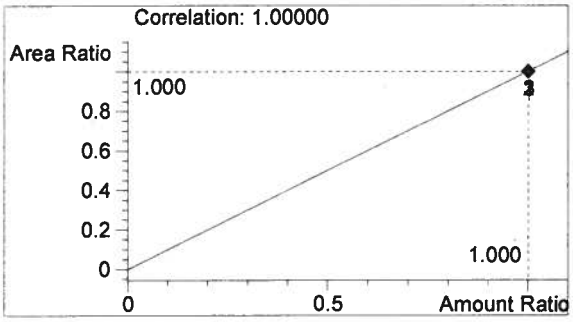


#	Compound	Peak Area	RT (min)
1	Ethanol	1709	1.041
2	n-Propanol	2414	1.704



Ethanol 0.161 g/100mL

14017



n-Propanol 0.012 g/100mL

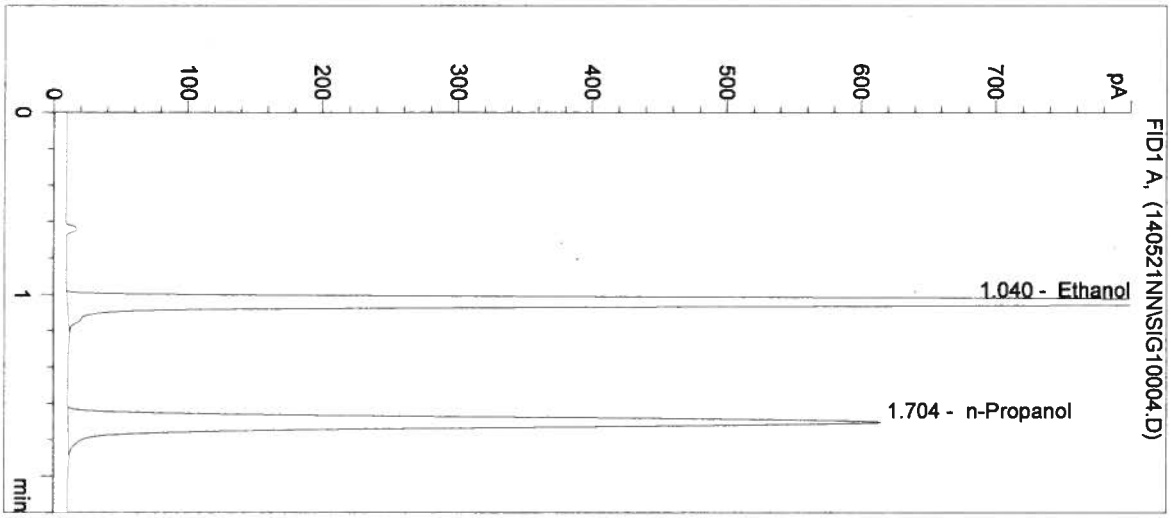
14018

NN

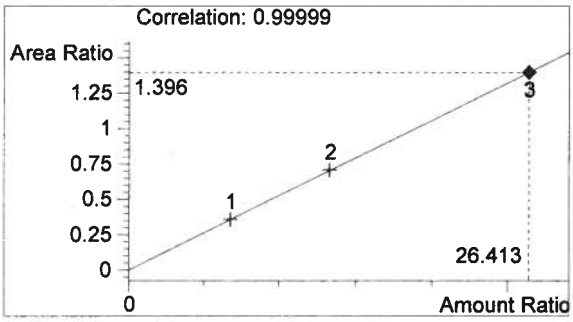
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:16:38 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 0.316 CAL 3
Operator: Naziha Nuwayhid, PhD
Location: Vial 4

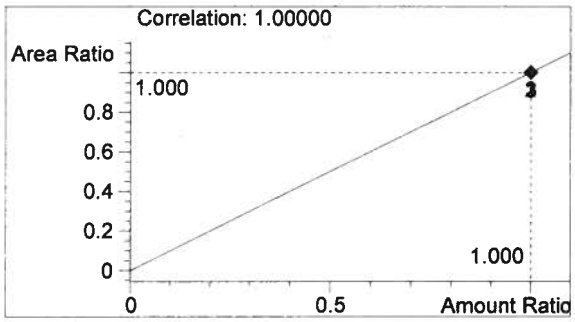


#	Compound	Peak Area	RT (min)
1	Ethanol	3343	1.040
2	n-Propanol	2394	1.704



Ethanol 0.317 g/100mL

14017



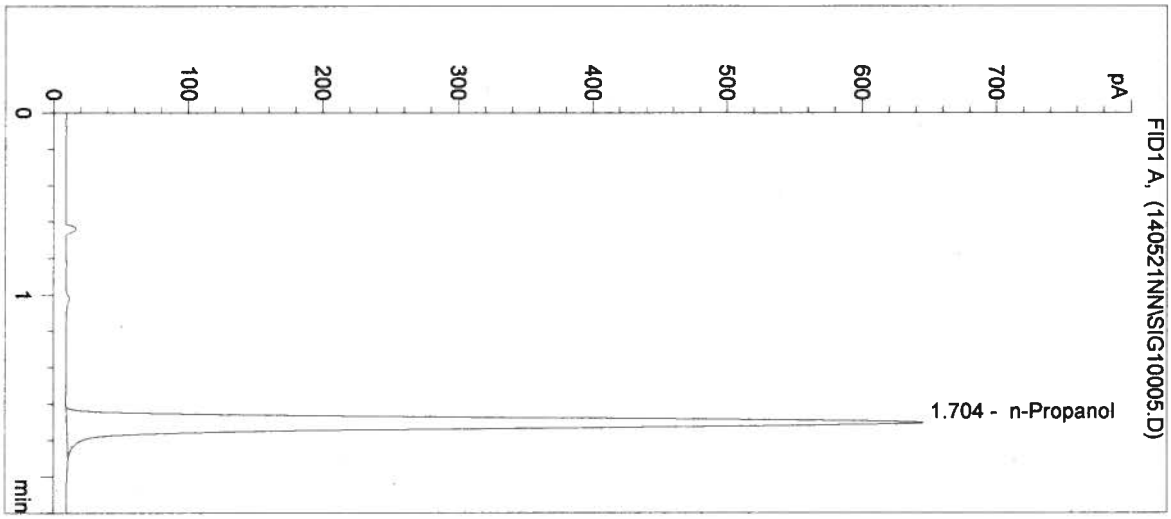
n-Propanol 0.012 g/100mL

14018

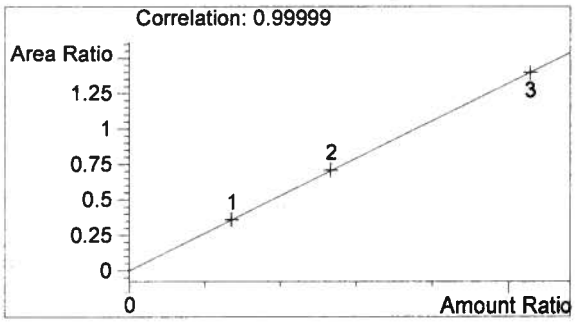
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:19:44 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: Negative
Operator: Naziha Nuwayhid, PhD
Location: Vial 5

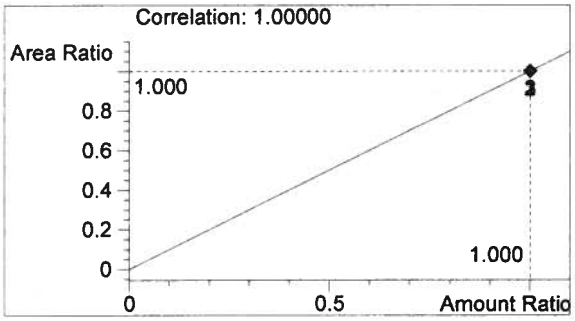


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2526	1.704



Ethanol 0.000 g/100mL

14017



n-Propanol 0.012 g/100mL

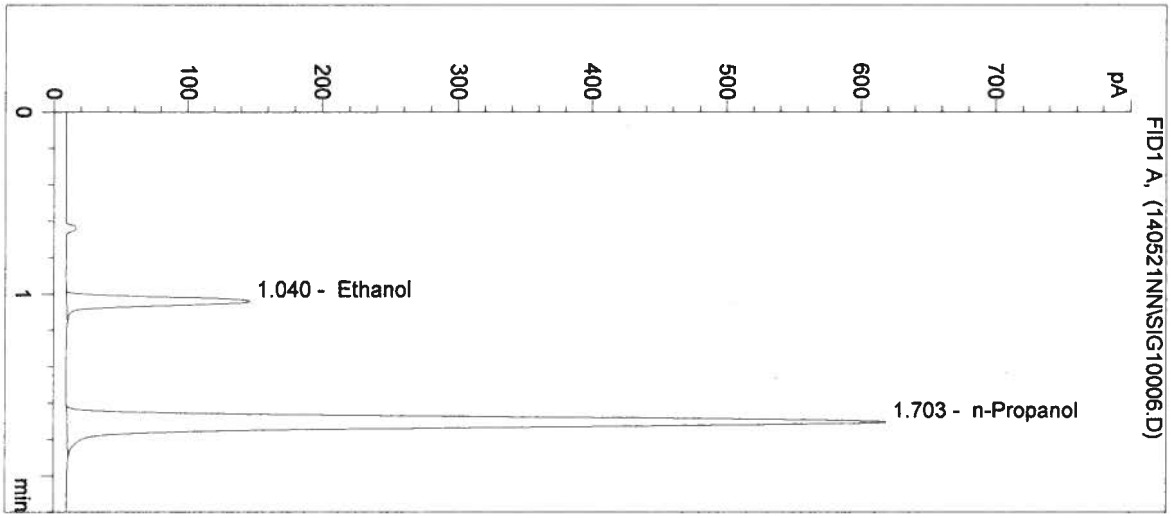
14018

NW

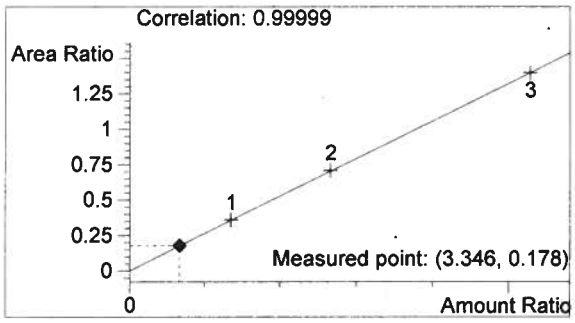
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:22:48 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 0.04 Ctrl
Operator: Naziha Nuwayhid, PhD
Location: Vial 6

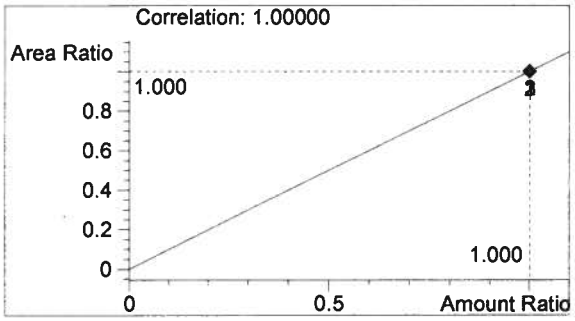


#	Compound	Peak Area	RT (min)
1	Ethanol	430	1.040
2	n-Propanol	2415	1.703



Ethanol 0.040 g/100mL

14017



n-Propanol 0.012 g/100mL

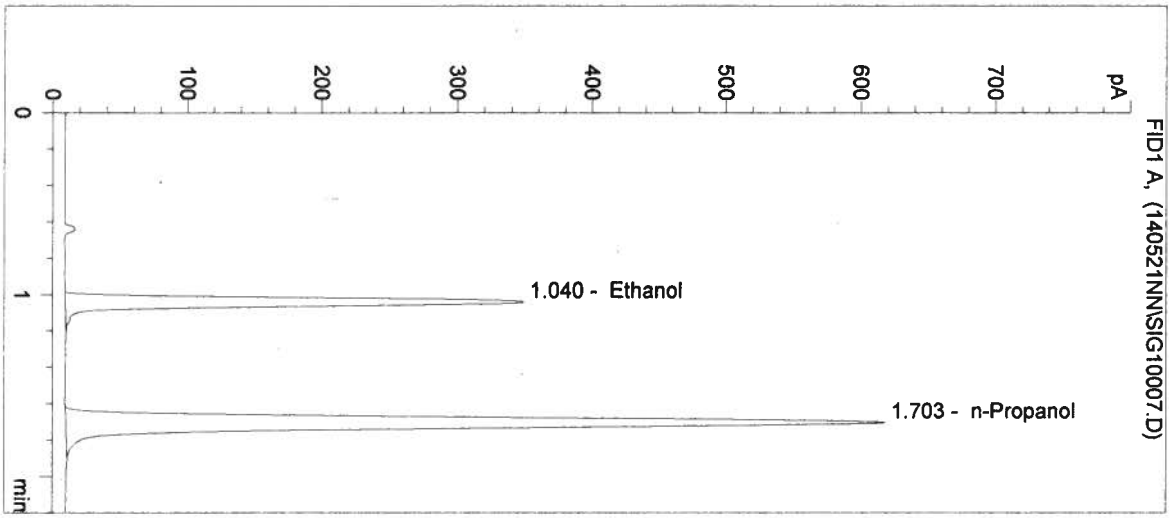
14018

NN

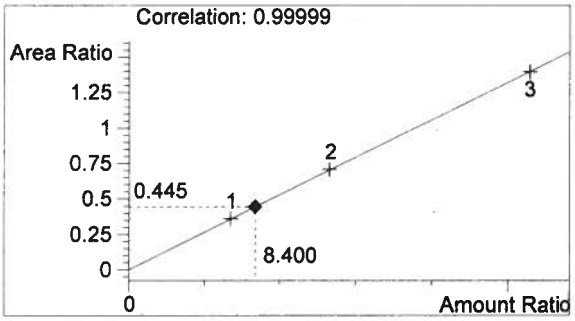
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:25:53 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

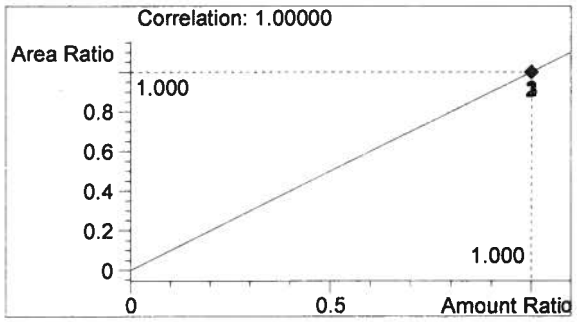
Sample Name: 0.10 Ctrl
Operator: Naziha Nuwayhid, PhD
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1076	1.040
2	n-Propanol	2419	1.703



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

14017

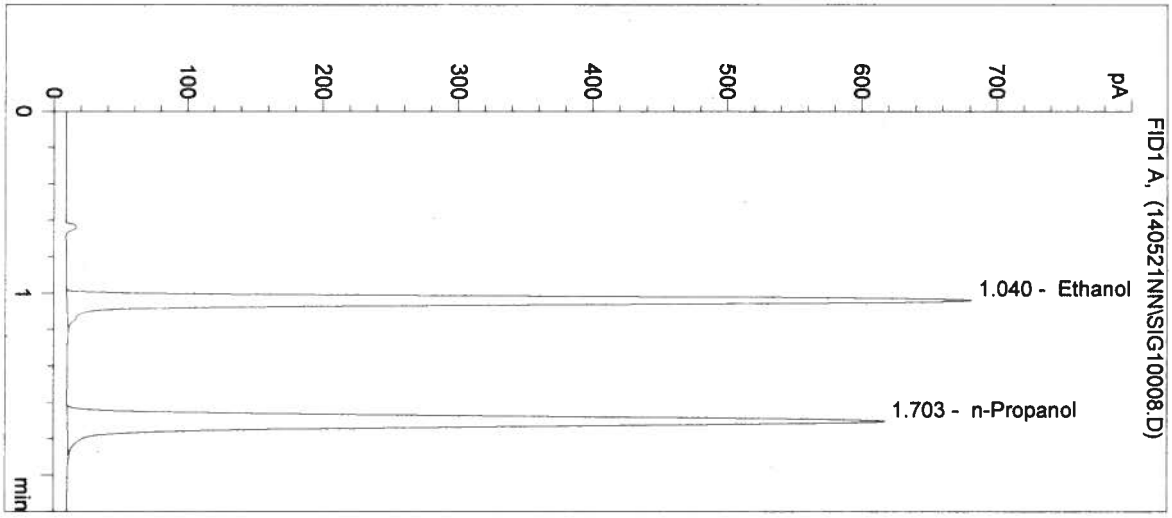
14018

NN

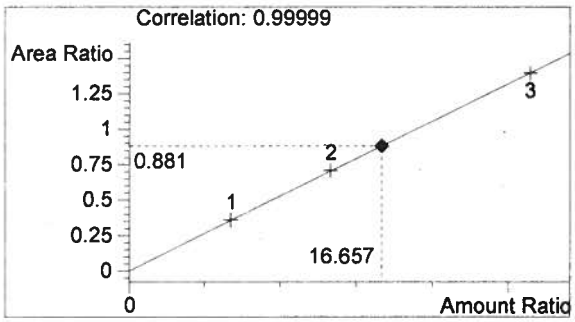
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:28:58 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

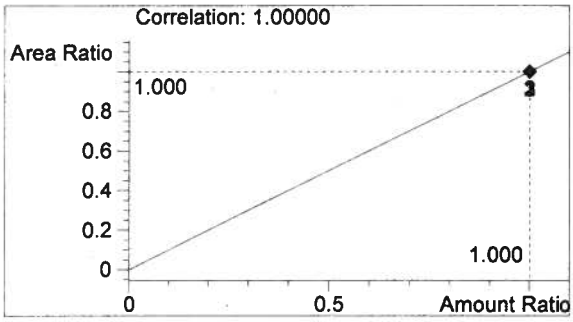
Sample Name: 0.20 Ctrl
Operator: Naziha Nuwayhid, PhD
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2126	1.040
2	n-Propanol	2413	1.703



Ethanol 0.200 g/100mL



n-Propanol 0.012 g/100mL

14017

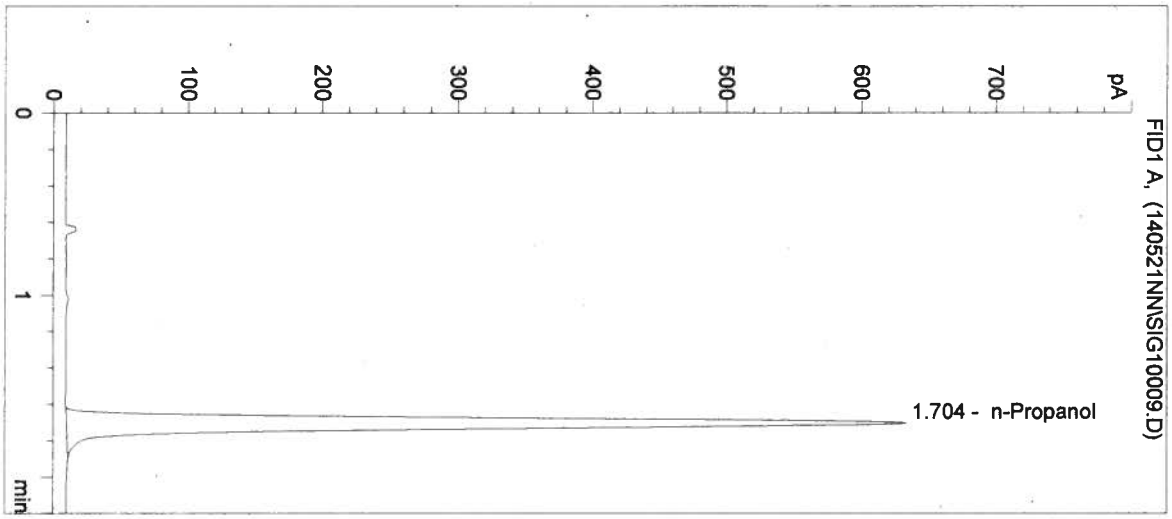
14018

NN

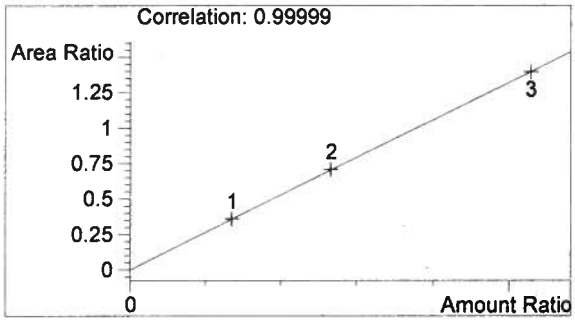
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:32:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

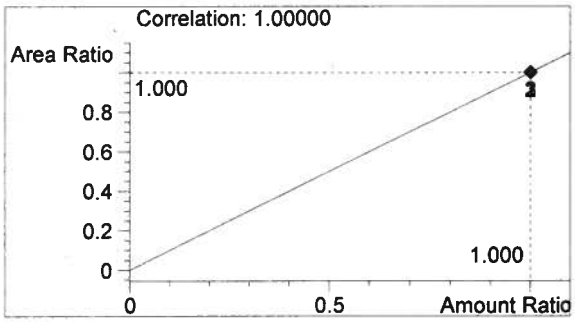
Sample Name: Negative
Operator: Naziha Nuwayhid, PhD
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2470	1.704



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14017

14018

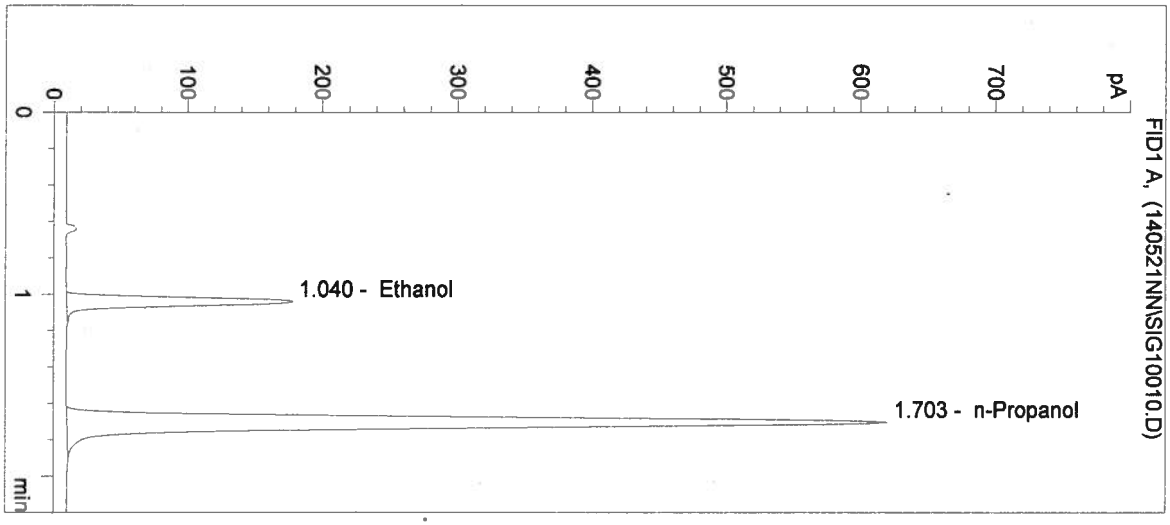
Data File: C:\HPCHEM\1\DATA\140521NN\SIG10009.D

NN

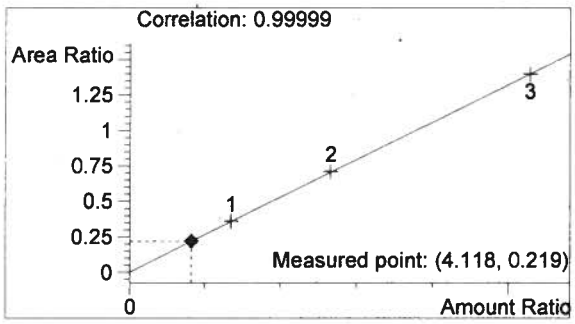
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:35:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

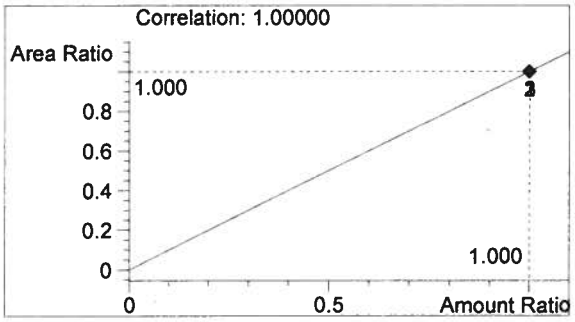
Sample Name: 14017 #1
Operator: Naziha Nuwayhid, PhD
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	531	1.040
2	n-Propanol	2426	1.703



Ethanol 0.049 g/100mL

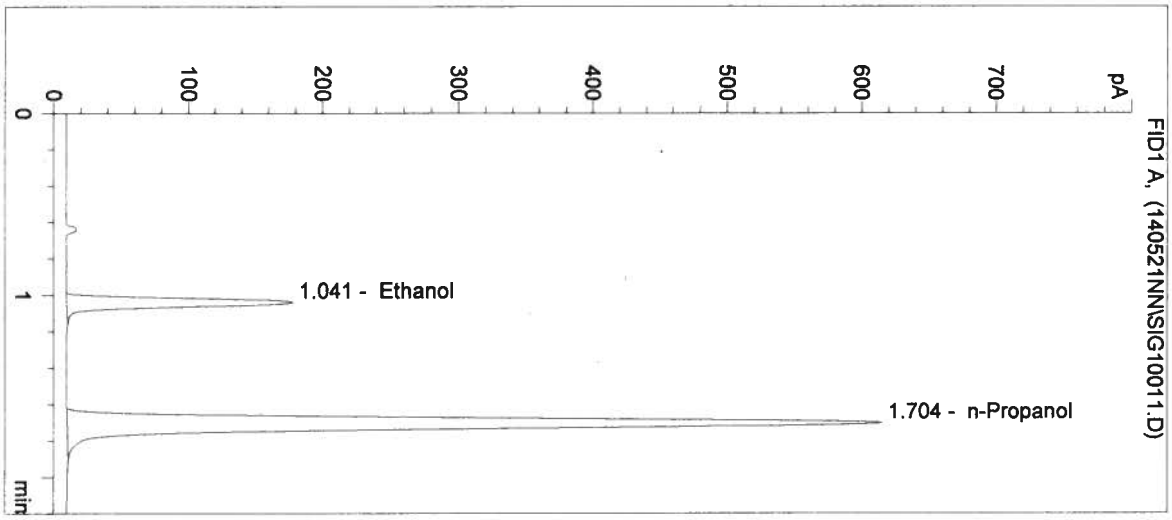


n-Propanol 0.012 g/100mL

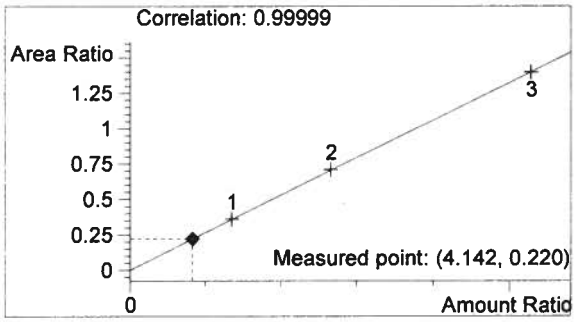
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:38:12 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

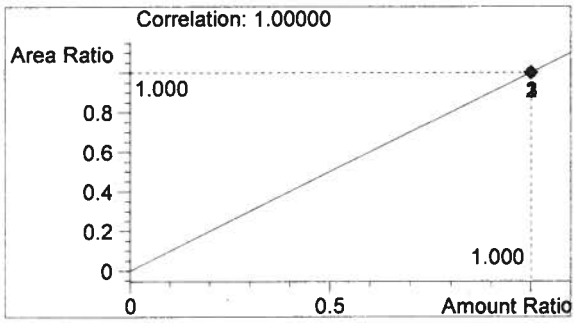
Sample Name: 14017 #2
Operator: Naziha Nuwayhid, PhD
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	528	1.041
2	n-Propanol	2397	1.704



Ethanol 0.050 g/100mL



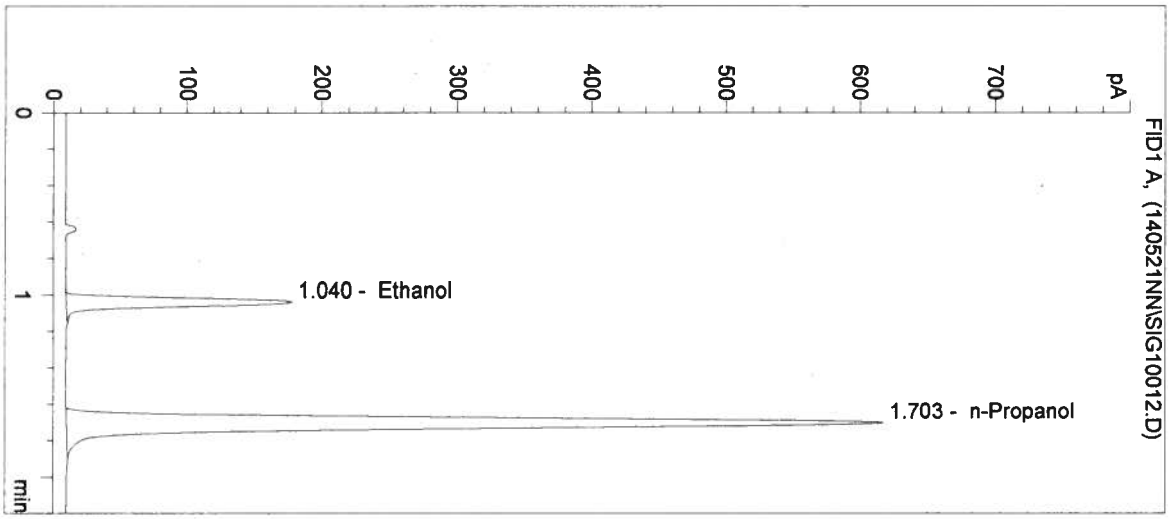
n-Propanol 0.012 g/100mL

NN

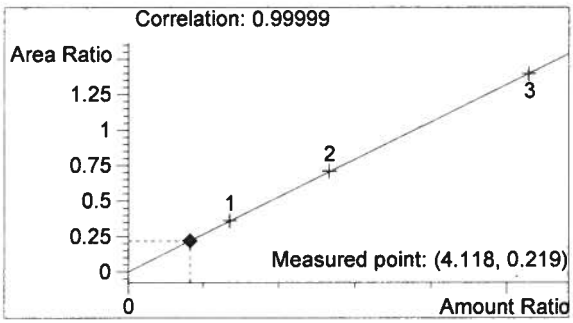
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:41:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

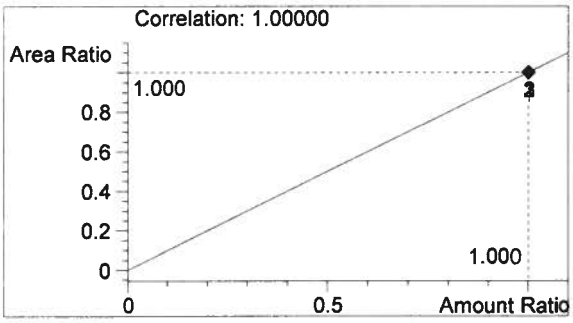
Sample Name: 14017 #3
Operator: Naziha Nuwayhid, PhD
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	528	1.040
2	n-Propanol	2412	1.703



Ethanol 0.049 g/100mL



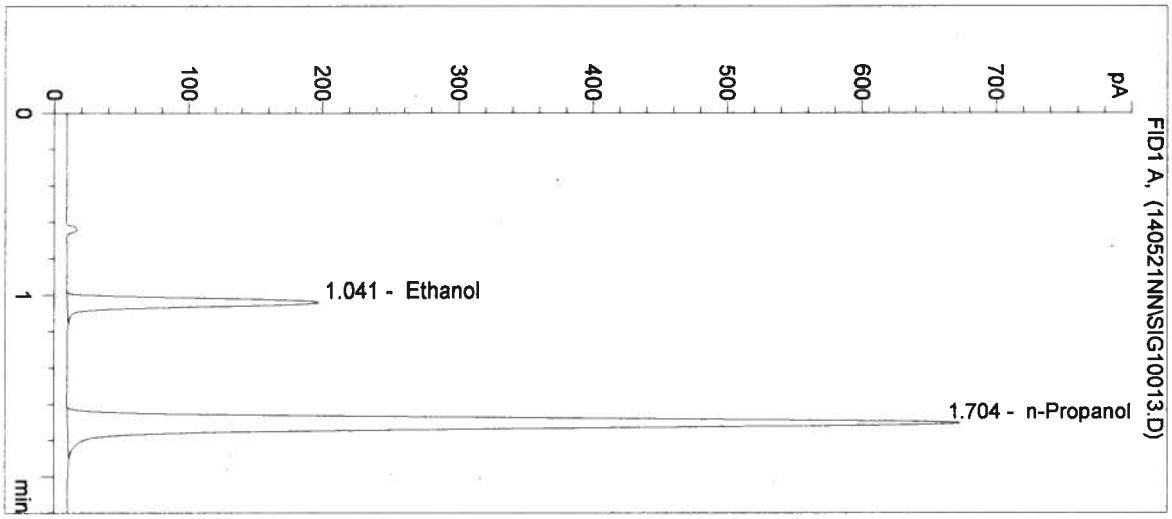
n-Propanol 0.012 g/100mL

NN

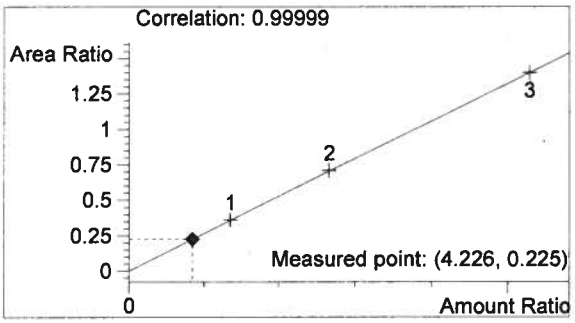
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:44:22 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

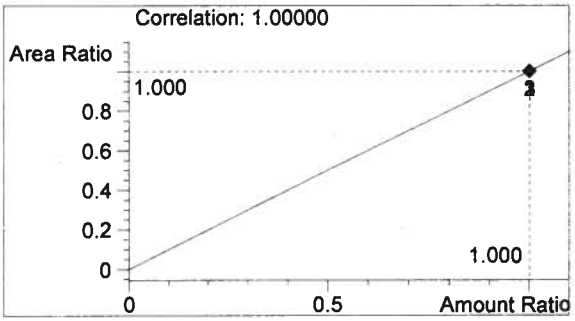
Sample Name: 14017 #4
Operator: Naziha Nuwayhid, PhD
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	591	1.041
2	n-Propanol	2632	1.704



Ethanol 0.051 g/100mL

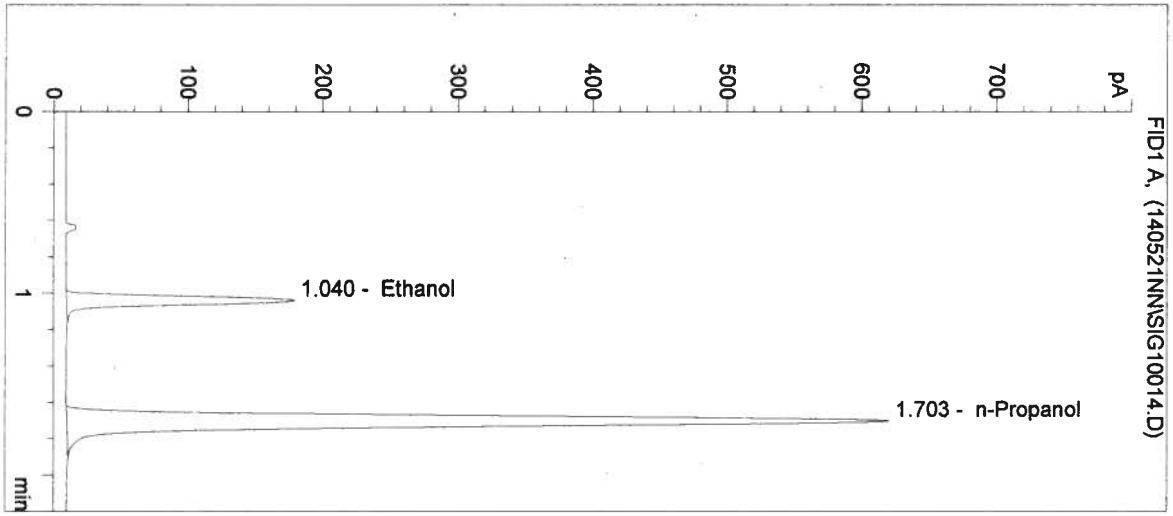


n-Propanol 0.012 g/100mL

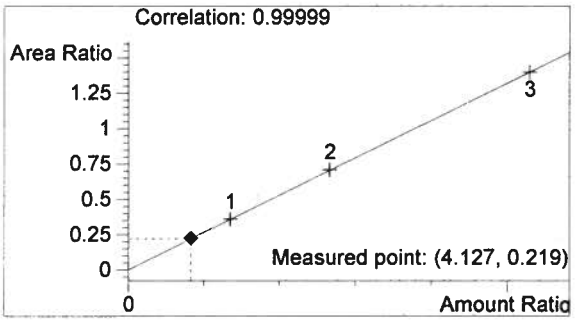
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:47:27 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

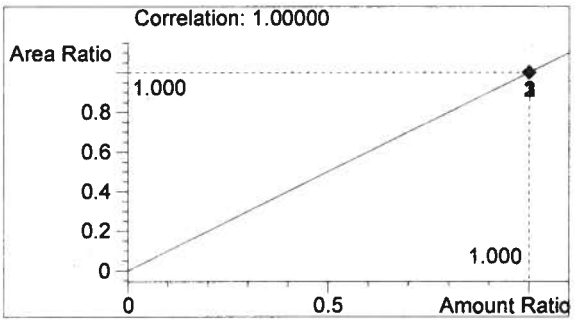
Sample Name: 14017 #5
Operator: Naziha Nuwayhid, PhD
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	532	1.040
2	n-Propanol	2425	1.703



Ethanol 0.050 g/100mL

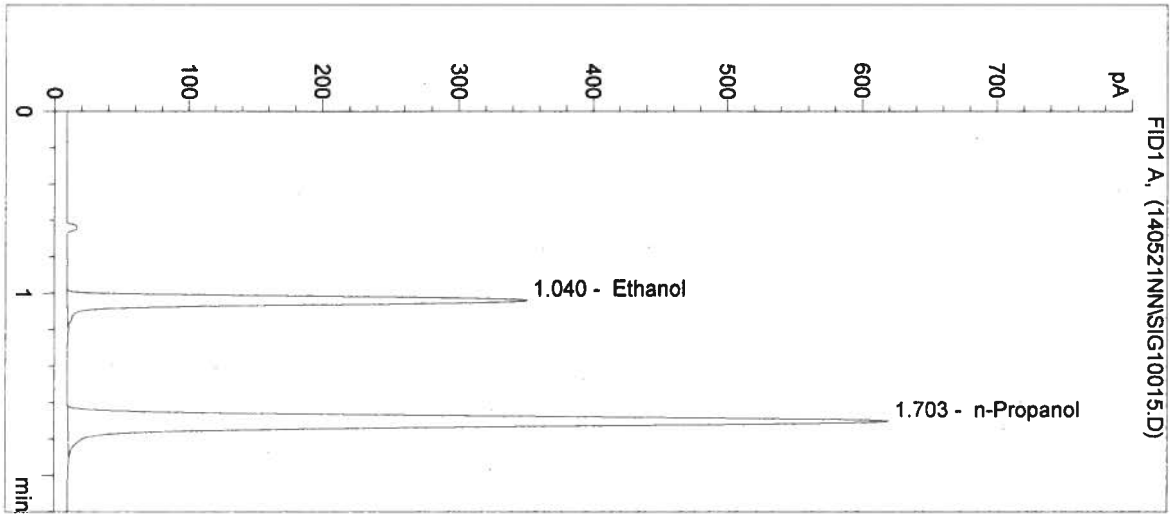


n-Propanol 0.012 g/100mL

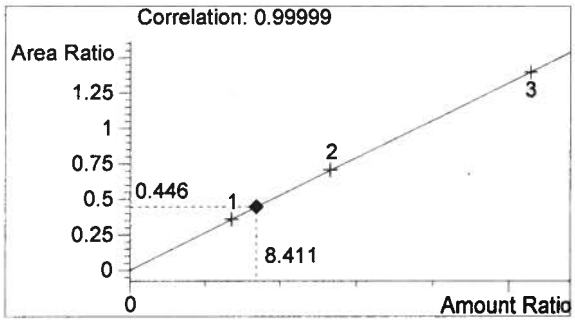
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:50:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

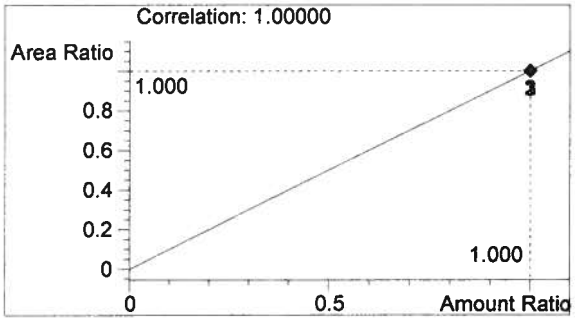
Sample Name: 0.10 Ctrl
Operator: Naziha Nuwayhid, PhD
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1082	1.040
2	n-Propanol	2428	1.703



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

14017

~~14018~~
6/24/14

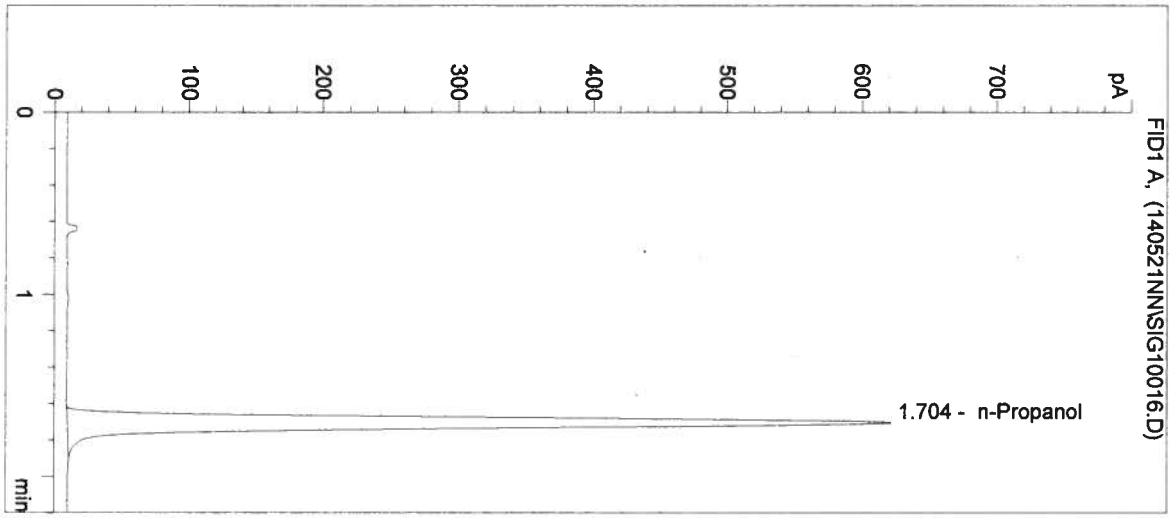
Data File: C:\HPCHEM\1\DATA\140521NN\SIG10015.D

NN

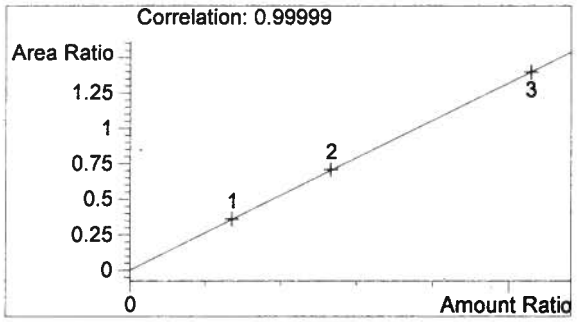
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/21/2014 12:53:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

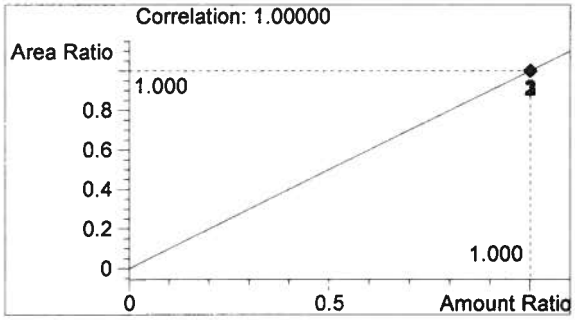
Sample Name: Negative
Operator: Naziha Nuwayhid, PhD
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2427	1.704



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14017

~~14018~~

Lh 6/24/14

Data File: C:\HPCHEM\1\DATA\140521NN\SIG10016.D

NN

Sequence Parameters:

Operator:	Andrew Gingras
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:	140522AG
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
CAL 1 (0.079g/100mL) - LOT# E0414-01 - EXP 10/15/2014
CAL 2 (0.158g/100mL) - LOT# E0414-02 - EXP 10/15/2014
CAL 3 (0.316g/100mL) - LOT# E0414-03 - EXP 10/15/2014
n-Propanol ISTD - LOT# P0314 - 6/24/2014
CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 5/2018
CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
CTRL 3 (0.20g/100mL) - LOT# FN100511-01 - EXP 10/2016

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	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	QAP 14017 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 14017 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 14017 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 14017 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 14017 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	QAP 14018 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 14018 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 14018 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 14018 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 14018 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

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!

14017

14018

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

Calibration Table

Calib. Data Modified : Thursday, May 22, 2014 4:46:42 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
1.039	1	1	8.12400e-2	857.43500	9.47477e-5	1		Ethanol
		2	1.59860e-1	1681.87036	9.50489e-5			
		3	3.17330e-1	3365.03735	9.43021e-5			
1.702	1	1	1.20000e-2	2401.21509	4.99747e-6	I1		n-Propanol
		2	1.20000e-2	2408.01392	4.98336e-6			
		3	1.20000e-2	2424.50342	4.94947e-6			

14017

14018

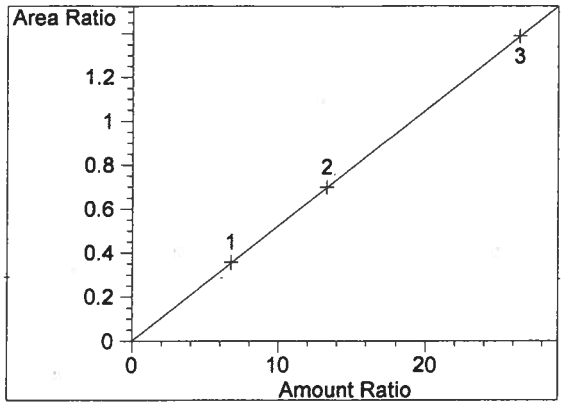
Peak Sum Table

No Entries in table

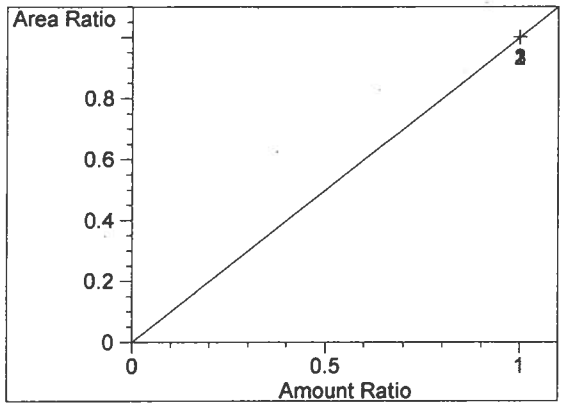
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.039
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00125
Formula: y = mx + b
m: 5.24595e-2
b: 5.53114e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.702
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

==========

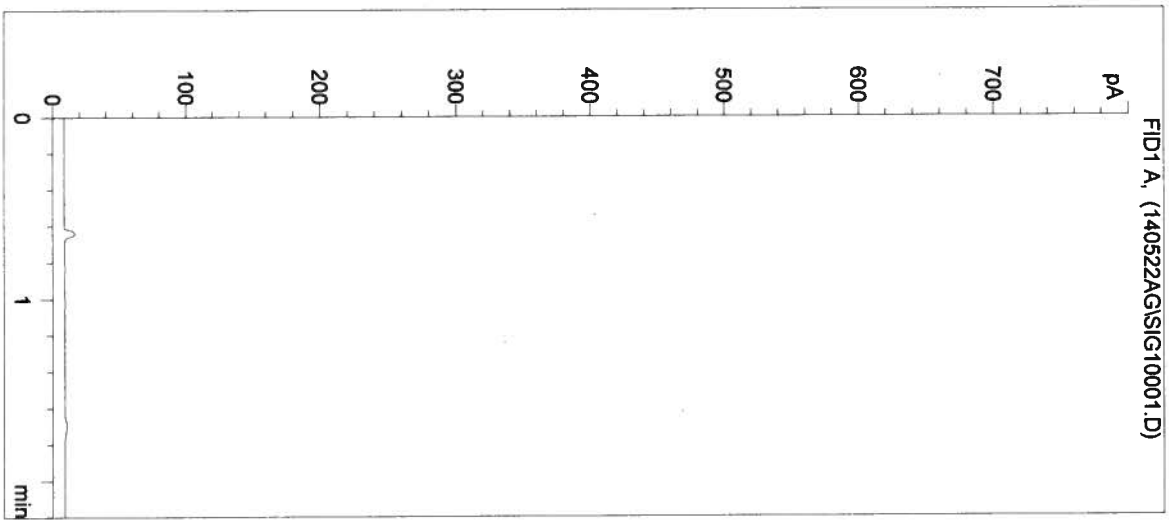
14017

14018

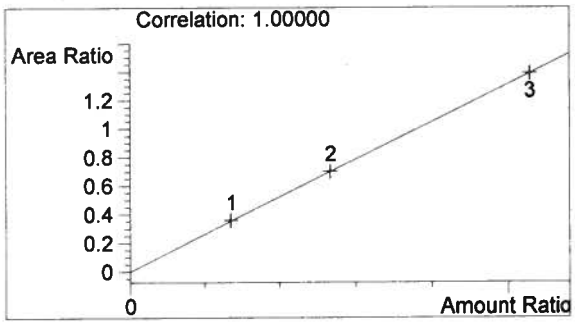
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 4:35:15 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

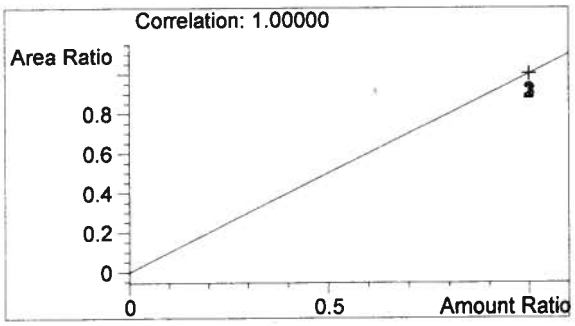
Sample Name: BLANK
Operator: Andrew Gingras
Location: Vial 1



#	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

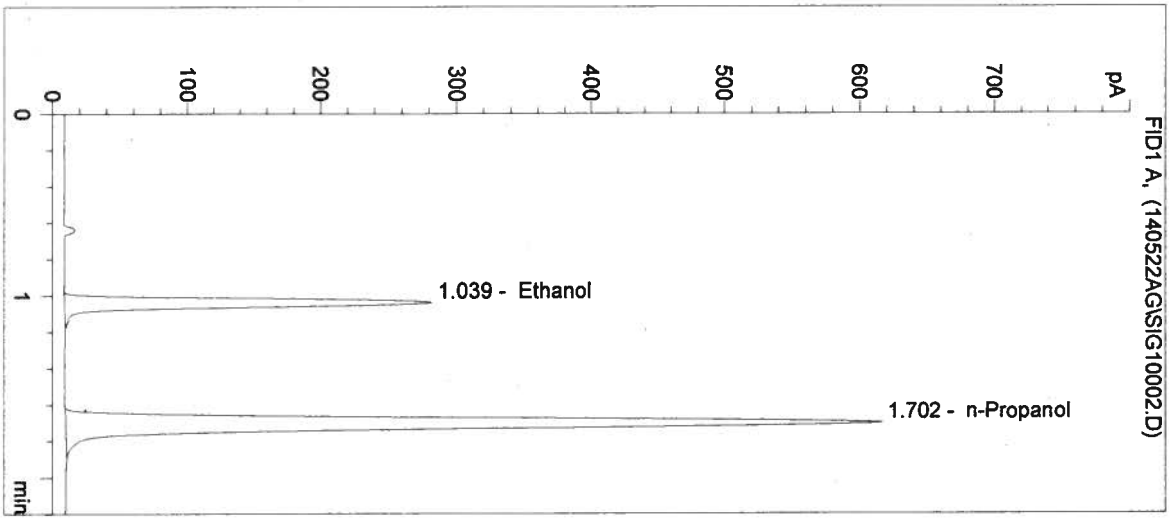
14017

14018

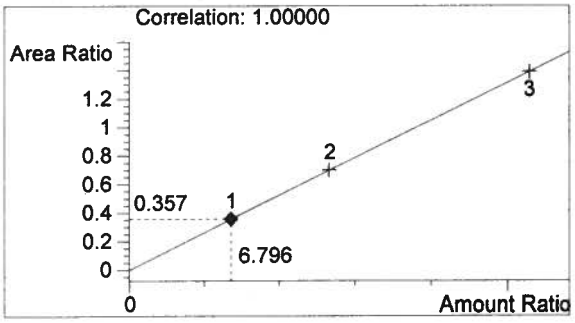
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 4:38:20 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

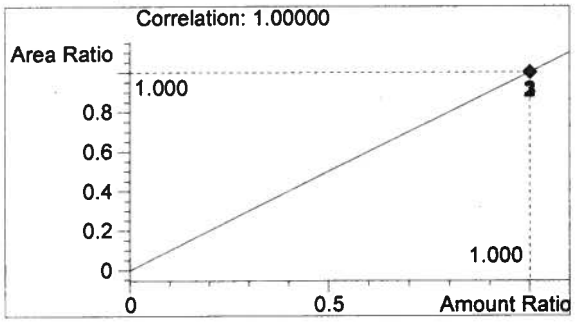
Sample Name: 0.079 CAL 1
Operator: Andrew Gingras
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	857	1.039
2	n-Propanol	2401	1.702



Ethanol 0.082 g/100mL



n-Propanol 0.012 g/100mL

14017

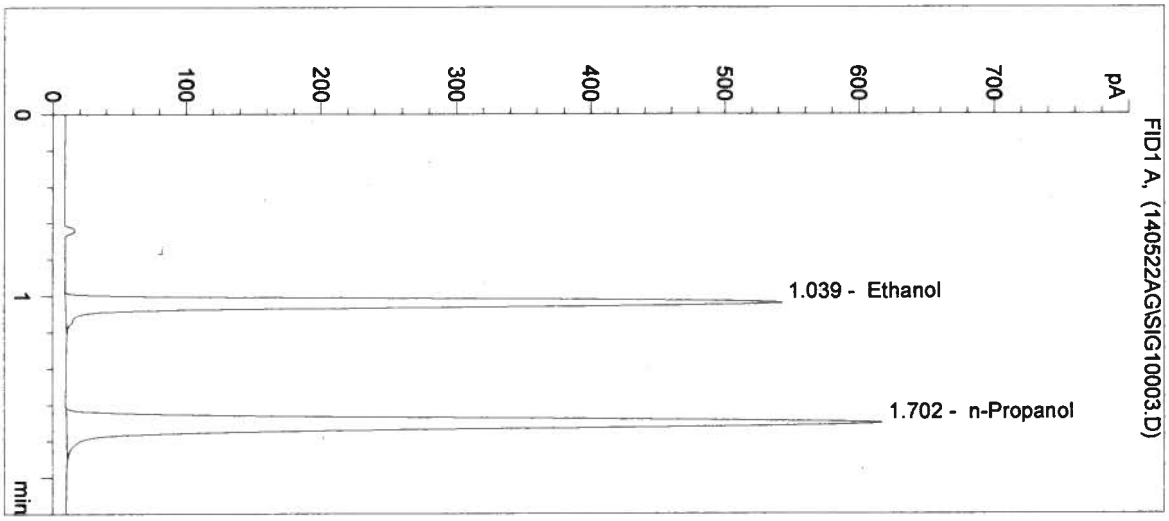
14018

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10002.D

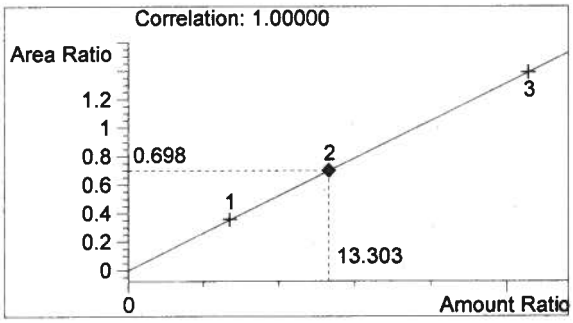
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 4:41:24 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

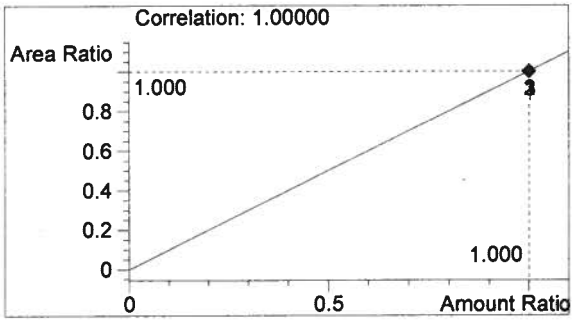
Sample Name: 0.158 CAL 2
Operator: Andrew Gingras
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1682	1.039
2	n-Propanol	2408	1.702



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

14017

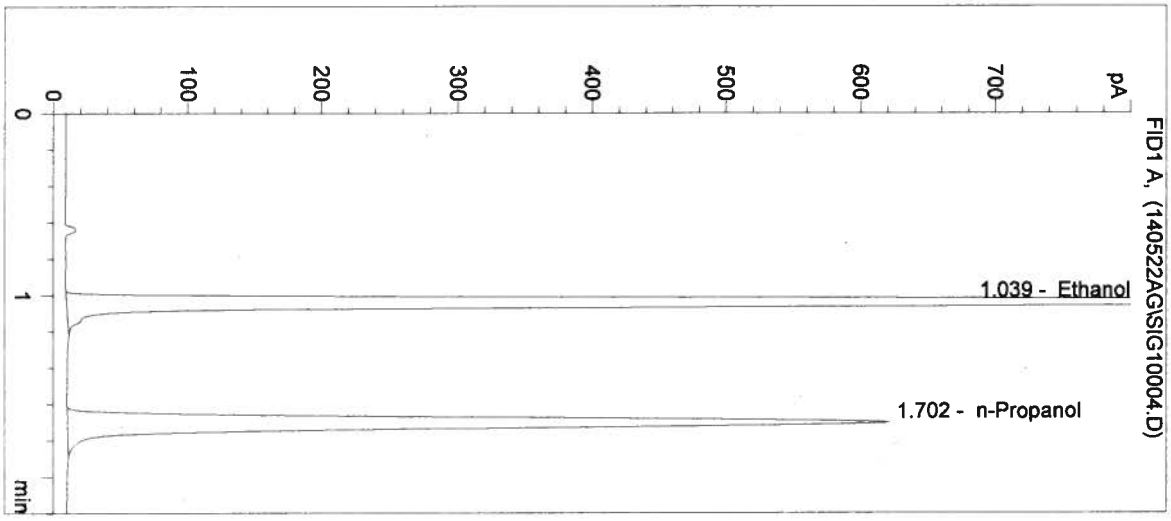
14018

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10003.D

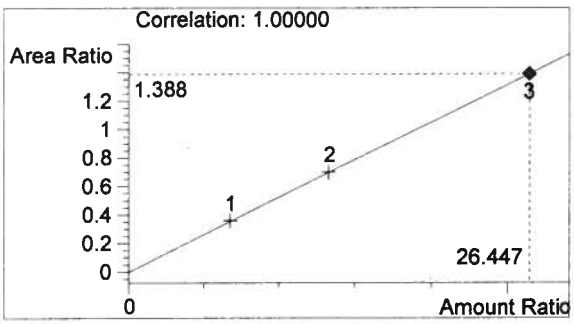
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 4:44:29 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

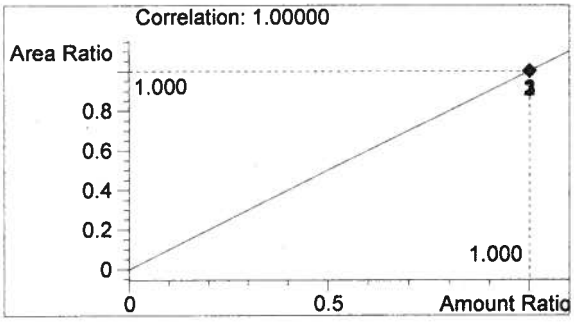
Sample Name: 0.316 CAL 3
Operator: Andrew Gingras
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3365	1.039
2	n-Propanol	2425	1.702



Ethanol 0.317 g/100mL



n-Propanol 0.012 g/100mL

14017

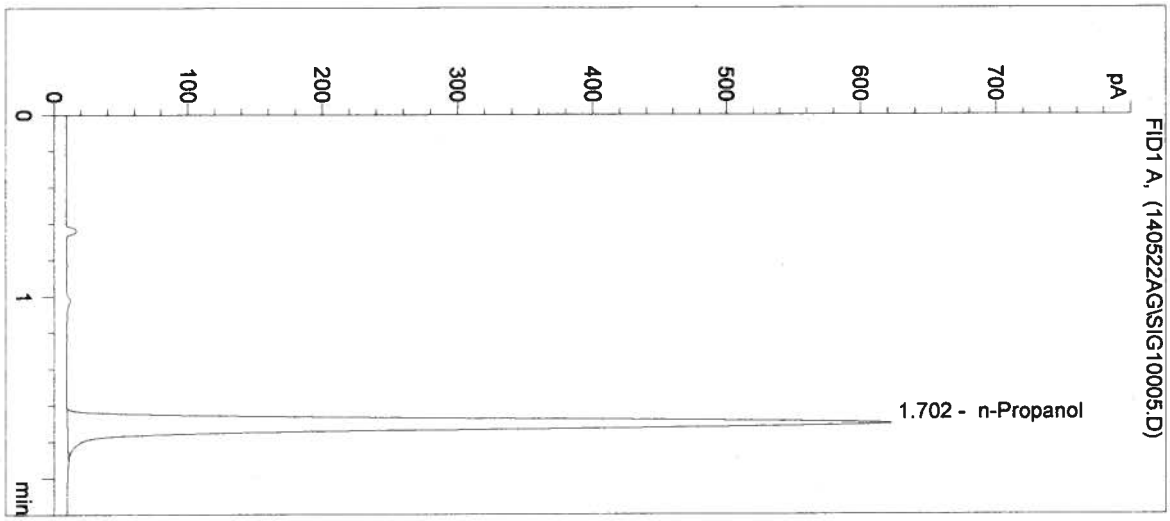
14018

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10004.D

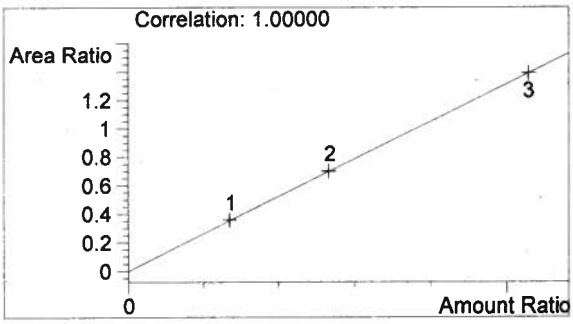
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 4:47:34 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 5

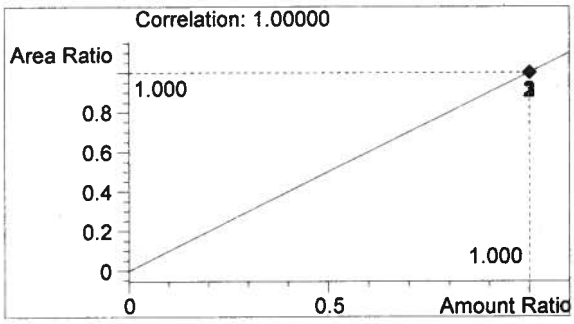


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2435	1.702



Ethanol 0.000 g/100mL

14017



n-Propanol 0.012 g/100mL

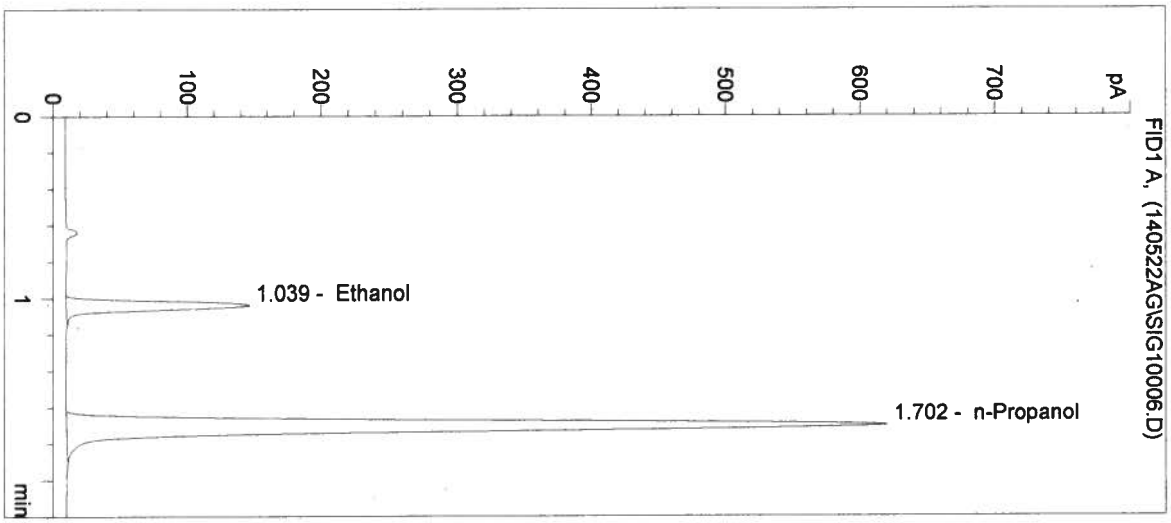
14018

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10005.D

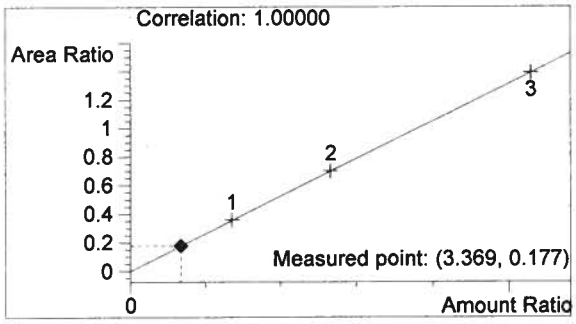
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 4:50:38 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

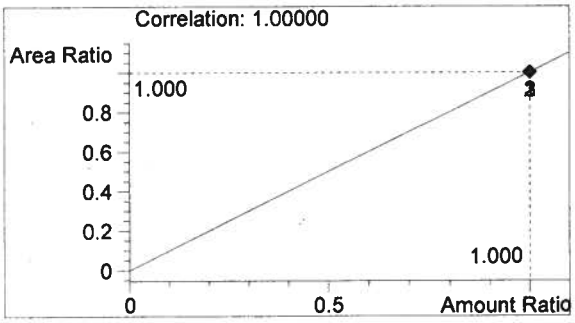
Sample Name: 0.04 CTRL
Operator: Andrew Gingras
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	430	1.039
2	n-Propanol	2426	1.702



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

14017

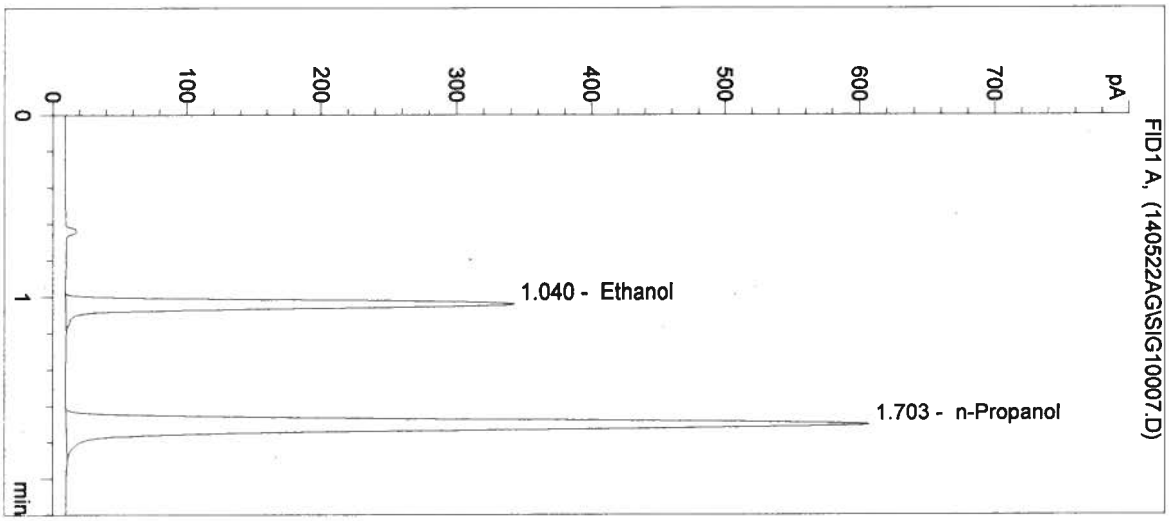
14018

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10006.D

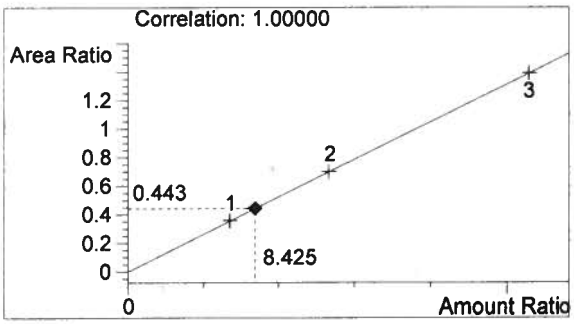
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 4:53:43 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

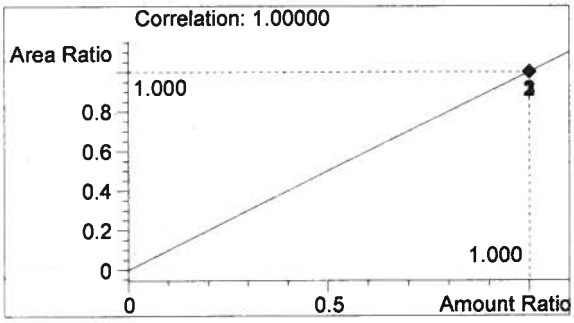
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1045	1.040
2	n-Propanol	2363	1.703



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

14017

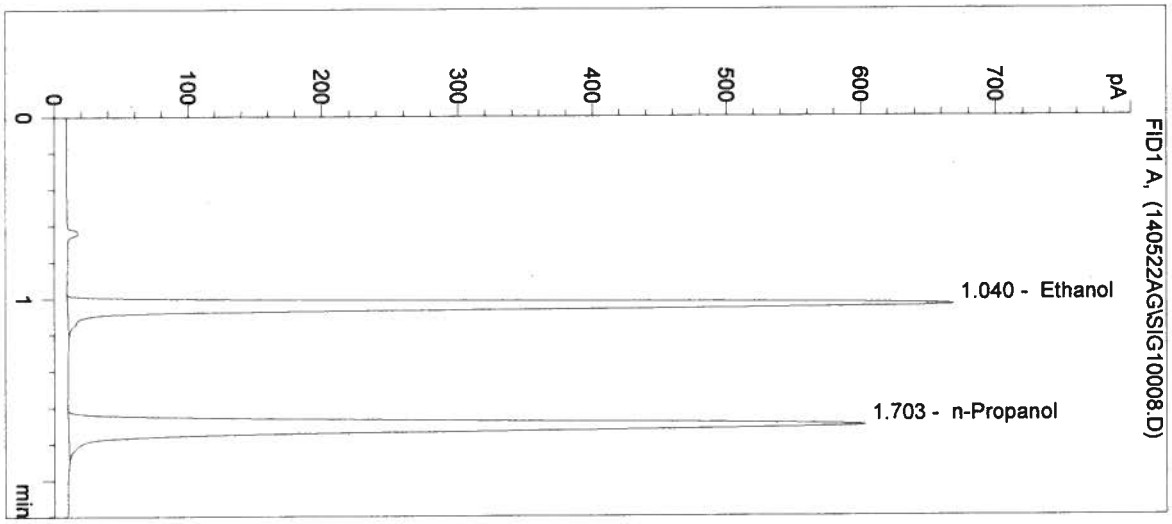
14018

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10007.D

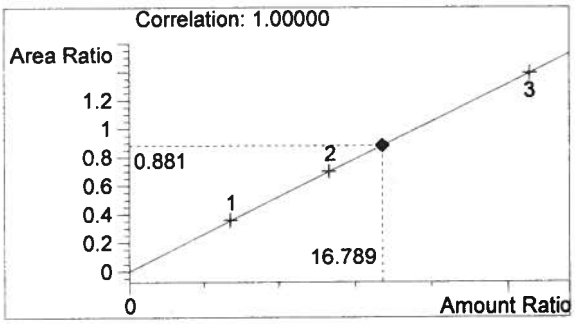
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 4:56:48 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

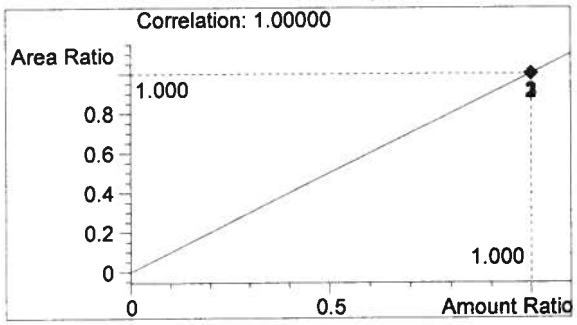
Sample Name: 0.20 CTRL
Operator: Andrew Gingras
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2068	1.040
2	n-Propanol	2346	1.703



Ethanol 0.201 g/100mL



n-Propanol 0.012 g/100mL

14017

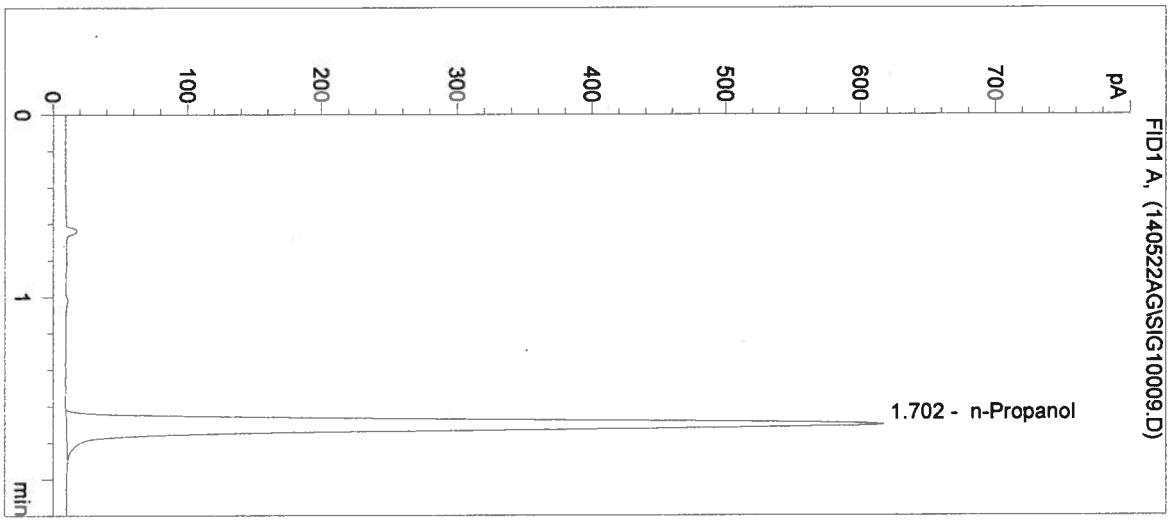
14018

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10008.D

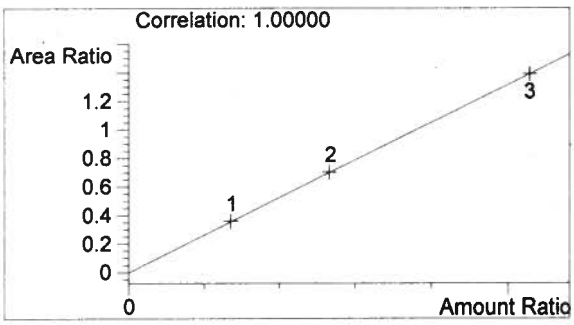
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 4:59:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 9

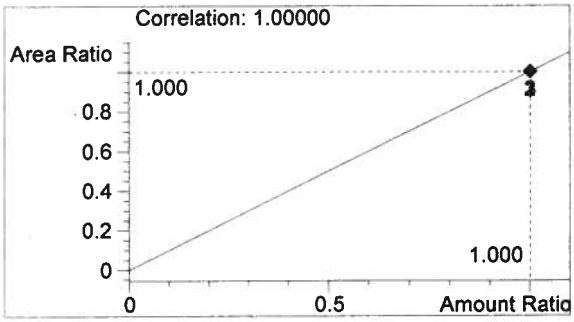


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2407	1.702



Ethanol 0.000 g/100mL

14017



n-Propanol 0.012 g/100mL

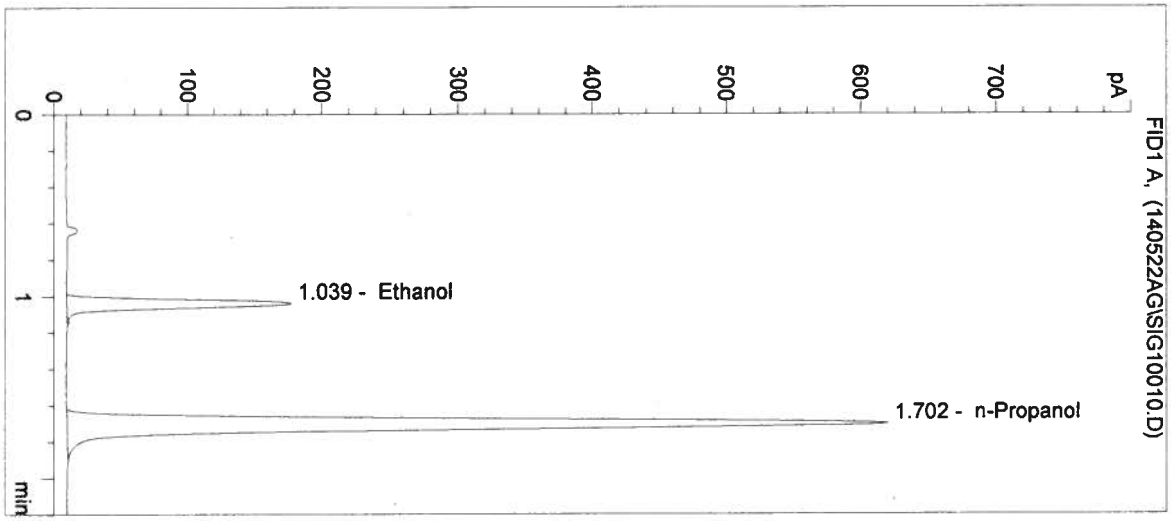
14018

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10009.D

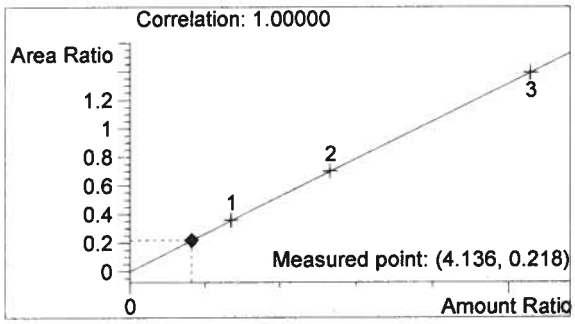
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 5:02:57 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

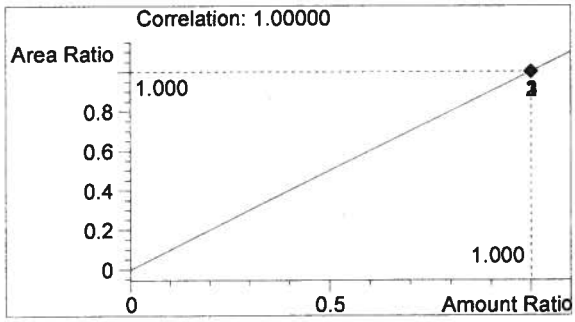
Sample Name: QAP 14017 #1
Operator: Andrew Gingras
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	527	1.039
2	n-Propanol	2423	1.702



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

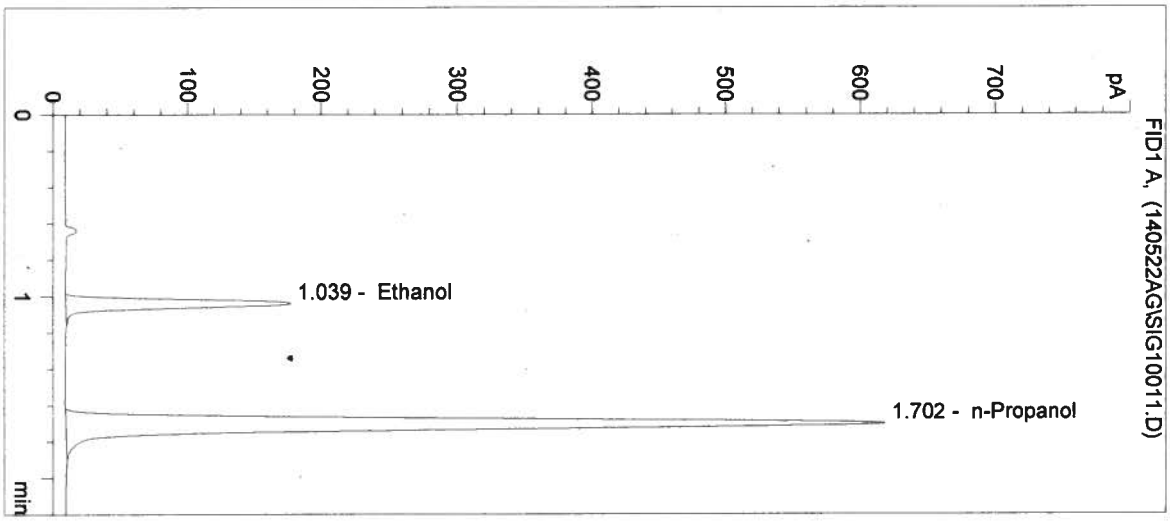
14017

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10010.D

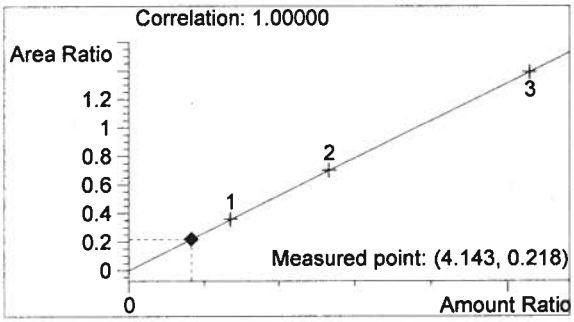
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 5:06:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

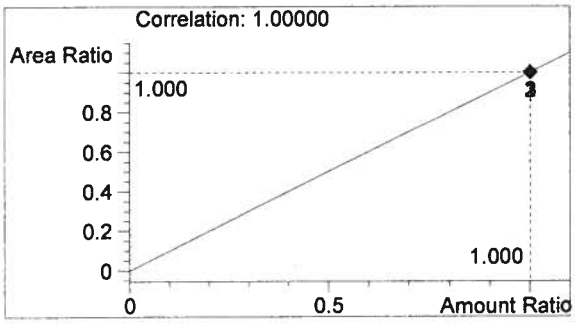
Sample Name: QAP 14017 #2
Operator: Andrew Gingras
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	527	1.039
2	n-Propanol	2418	1.702



Ethanol 0.050 g/100mL

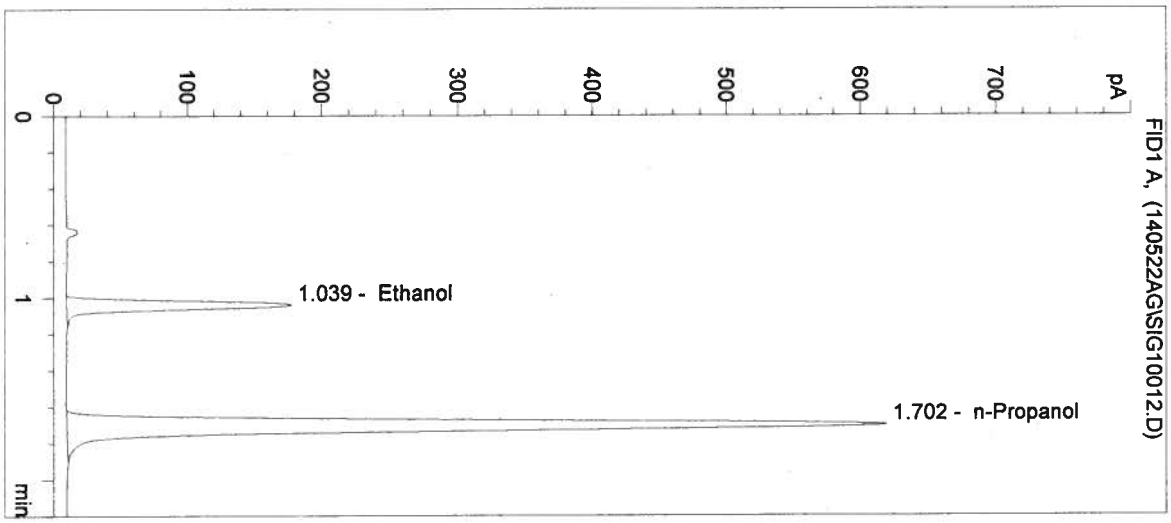


n-Propanol 0.012 g/100mL

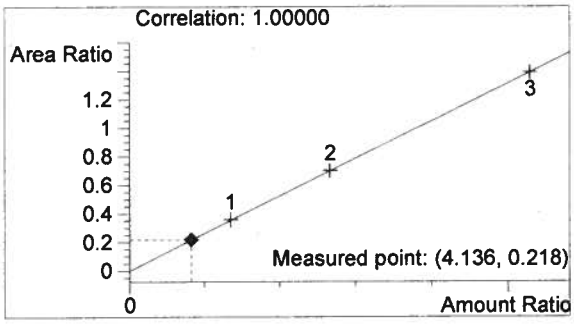
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 5:09:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

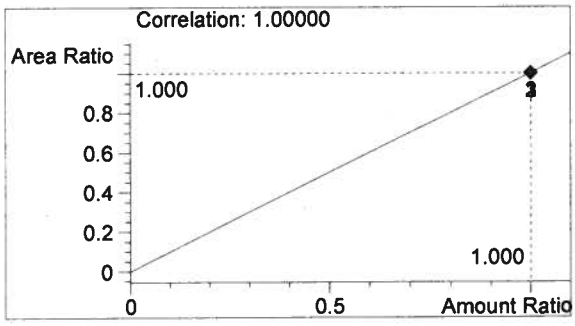
Sample Name: QAP 14017 #3
Operator: Andrew Gingras
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	527	1.039
2	n-Propanol	2423	1.702



Ethanol 0.050 g/100mL

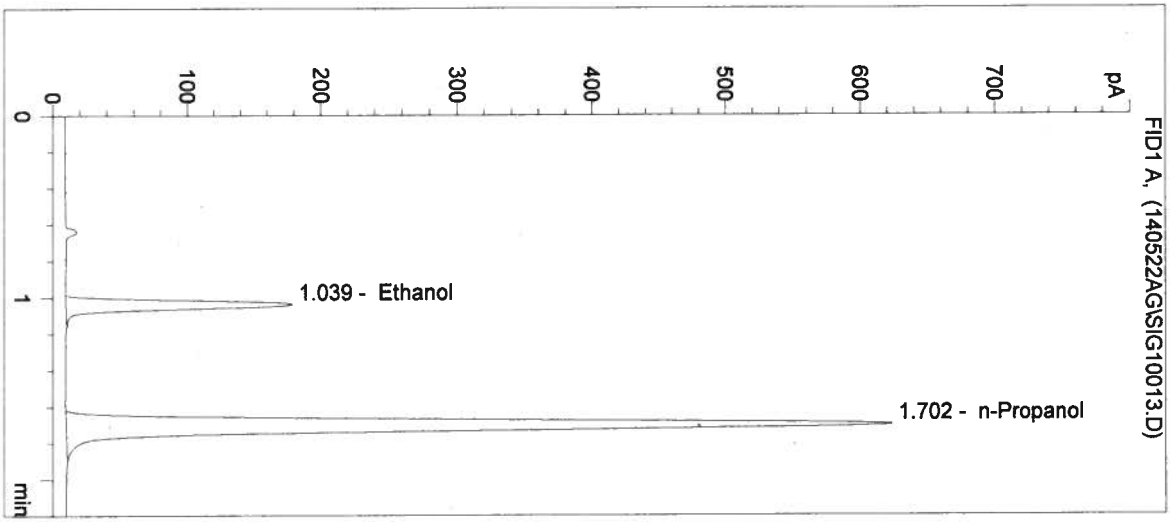


n-Propanol 0.012 g/100mL

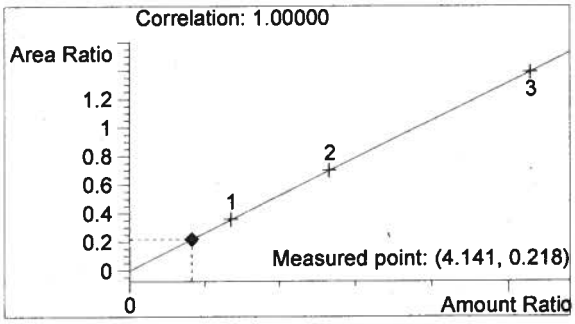
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 5:12:12 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

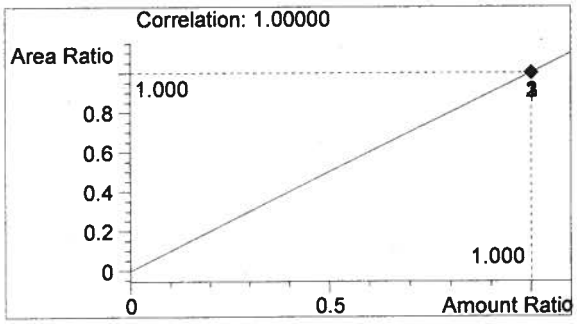
Sample Name: QAP 14017 #4
Operator: Andrew Gingras
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	531	1.039
2	n-Propanol	2438	1.702



Ethanol 0.050 g/100mL

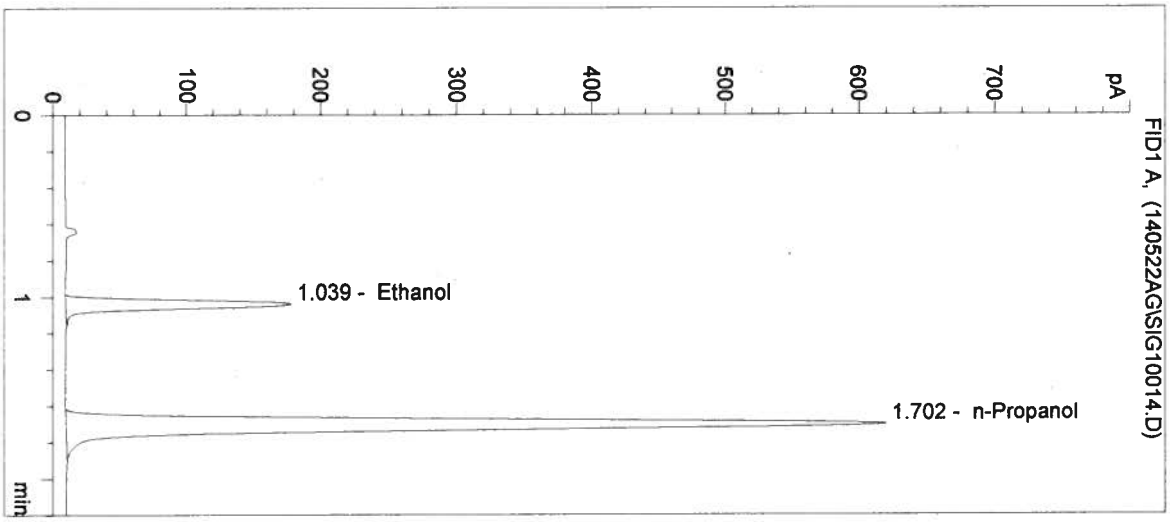


n-Propanol 0.012 g/100mL

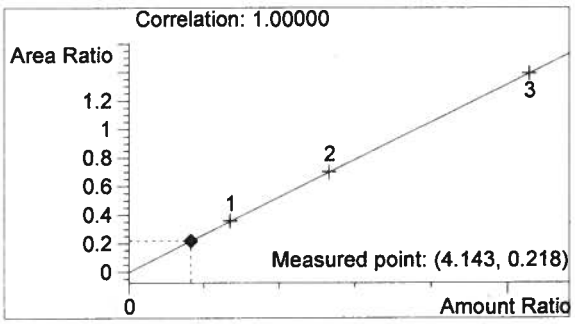
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 5:15:16 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

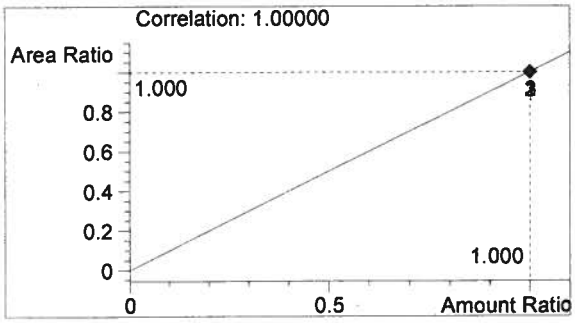
Sample Name: QAP 14017 #5
Operator: Andrew Gingras
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	530	1.039
2	n-Propanol	2431	1.702



Ethanol 0.050 g/100mL

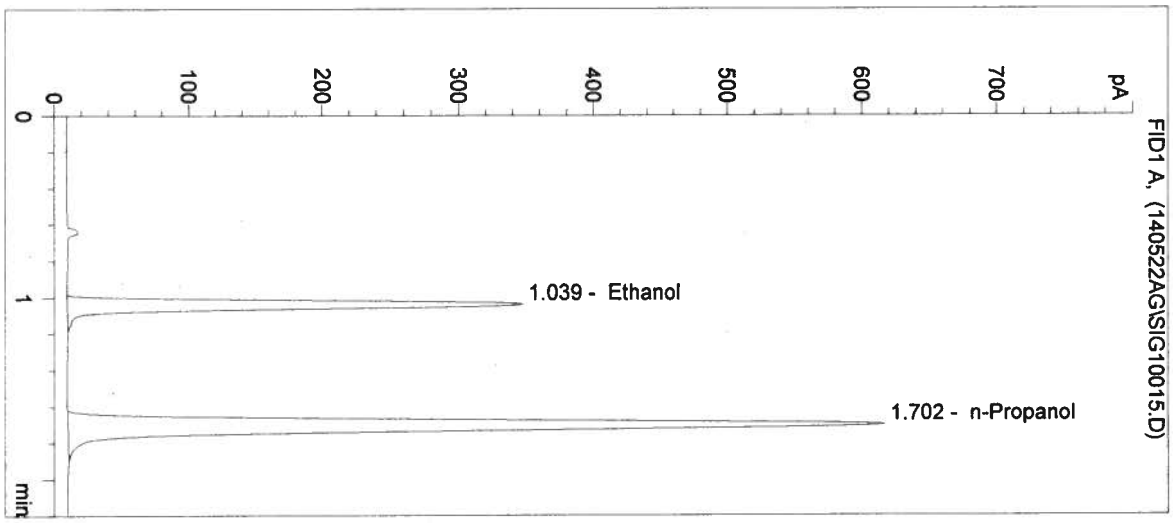


n-Propanol 0.012 g/100mL

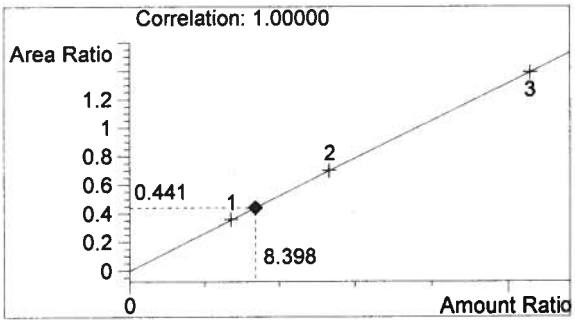
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 5:18:21 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

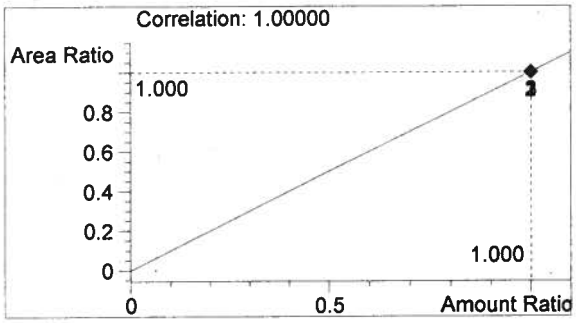
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1060	1.039
2	n-Propanol	2403	1.702



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

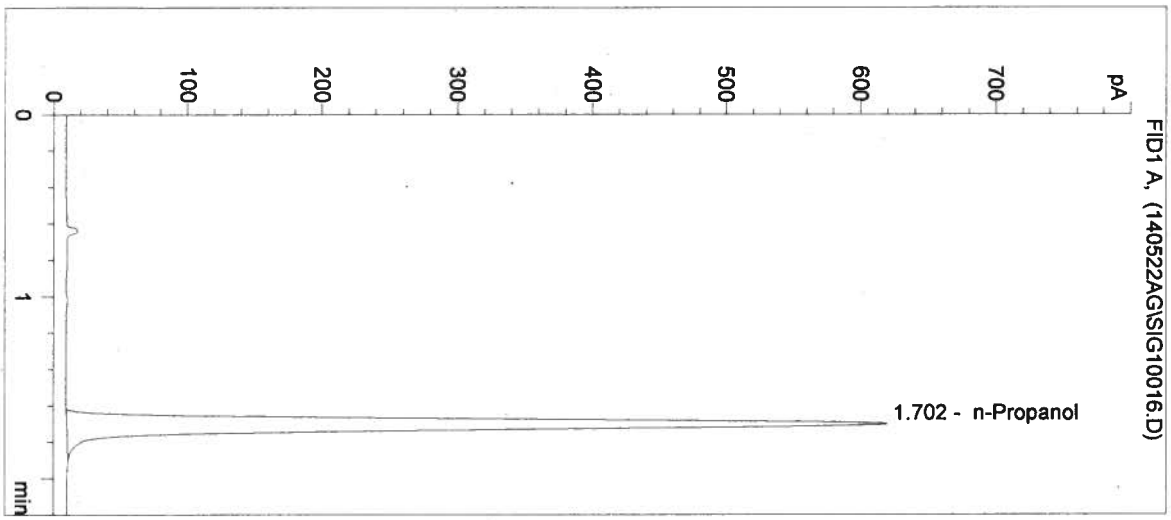
14017

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10015.D

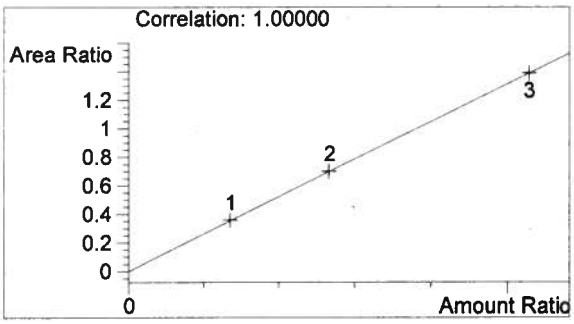
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/22/2014 5:21:26 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

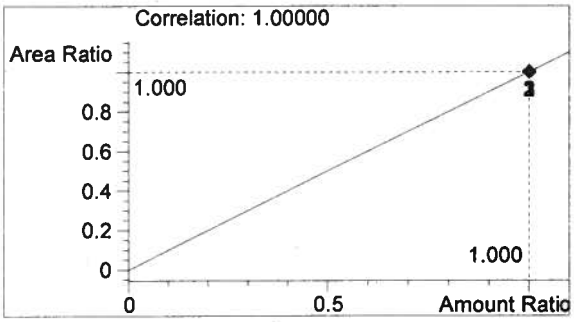
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2418	1.702



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14017

Data File: C:\HPCHEM\1\DATA\140522AG\SIG10016.D

Sequence Parameters:

Sequence : C:\CHEM32\1\SEQUENCE\KKQAP.S

Operator : Katie Knorr

Data File Naming : Auto
Data Directory : C:\Chem32\1\DATA\

Data Subdirectory : 140620KK

Part of Methods to run : According to Runtime Checklist

Barcode Reader : not used

Shutdown Cmd/Macro : none

Sequence Comment :
CAL 1: 0.079 g/100 mL - Lot: E0414-01 - exp: 10/15/14
CAL 2: 0.158 g/100 mL - Lot: E0414-02 - exp: 10/15/14
CAL 3: 0.316 g/100 mL - Lot: E0414-03 - exp: 10/15/14
~~VOL CAL 1: 40 mg/dL - Lot: V0514-01 - exp: 9/20/14~~
~~VOL CAL 2: 79 mg/dL - Lot: V0514-02 - exp: 9/20/14~~ DID NOT PERFORM VOLATILE TESTING. KK 6/23/14
CTRL 1: 0.04 g/100 mL - Lot: FN05011301 - exp: 5/2018
CTRL 2: 0.10 g/100 mL - Lot: FN08051301 - exp: 10/2018
CTRL 3: 0.20 g/100 mL - Lot: FN100511-01 - exp: 10/2016
~~CTRL 4: 60 mg/dL - Lot: C0514 - exp: 9/20/2014~~ KK 6/23/14
n-Propanol: Lot: P0514 - exp: 8/27/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
1	Vial 1	BLANK	SIMALC1	1	Sample	
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib	
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib	
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib	
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp	
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp	14017
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	14018
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp	
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp	KK

Sequence: C:\CHEM32\1\SEQUENCE\KKQAP.S

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
10	Vial 10	QAP 14017 #1	SIMALC1	1	Sample	
11	Vial 11	QAP 14017 #2	SIMALC1	1	Sample	
12	Vial 12	QAP 14017 #3	SIMALC1	1	Sample	
13	Vial 13	QAP 14017 #4	SIMALC1	1	Sample	
14	Vial 14	QAP 14017 #5	SIMALC1	1	Sample	
15	Vial 15	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp	
17	Vial 17	QAP 14018 #1	SIMALC1	1	Sample	
18	Vial 18	QAP 14018 #2	SIMALC1	1	Sample	
19	Vial 19	QAP 14018 #3	SIMALC1	1	Sample	
20	Vial 20	QAP 14018 #4	SIMALC1	1	Sample	
21	Vial 21	QAP 14018 #5	SIMALC1	1	Sample	
22	Vial 22	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp	

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

14017

14018

KK

Calibration Table

General Calibration Setting

Calib. Data Modified : Friday, June 20, 2014 3:32:57 PM

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal Details

Signal 1: FID1 A,

14017

Overview Table

14018

RT	Sig	Lvl	Amount [g/100 mL]	Area	Rsp.Factor	Ref	ISTD	#	Compound
1.053	1	1	8.12400e-2	865.28833	9.38878e-5	No	No	1	Ethanol
		2	1.59860e-1	1932.81360	8.27084e-5				
		3	3.17330e-1	3696.83154	8.58384e-5				
1.730	1	1	1.20000e-2	2372.38599	5.05820e-6	No	Yes	1	n-Propanol

KK

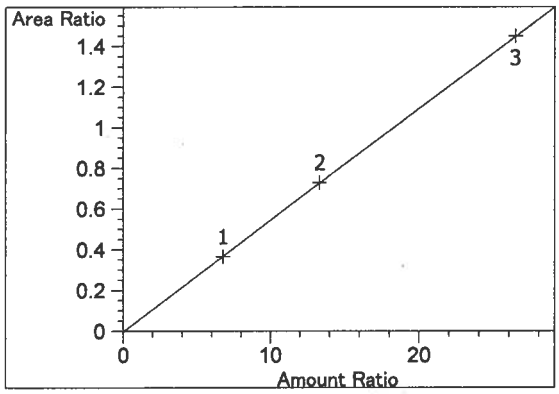
Method C:\CHEM32\1\METHODS\SIMALC1.M

RT	Sig	Lvl	Amount [g/100 mL]	Area	Rsp.Factor	Ref	ISTD #	Compound
		2	1.20000e-2	2652.61646	4.52384e-6			
		3	1.20000e-2	2551.20947	4.70365e-6			

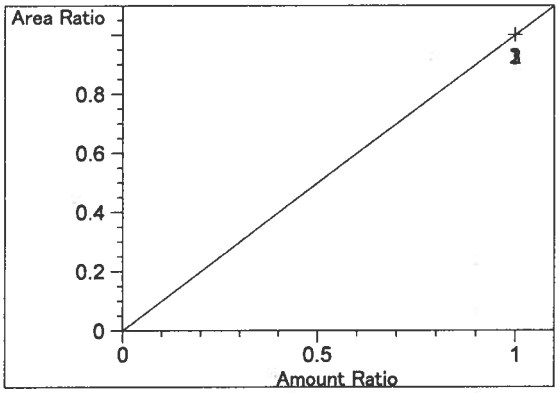
Peak Sum Table

No Entries in table

Calibration Curves



Ethanol at exp. RT: 1.053
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00349
Formula: y = mx + b
m: 5.48703e-2
b: -2.75173e-3
x: Amount
y: Area



n-Propanol at exp. RT: 1.730
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount
y: Area

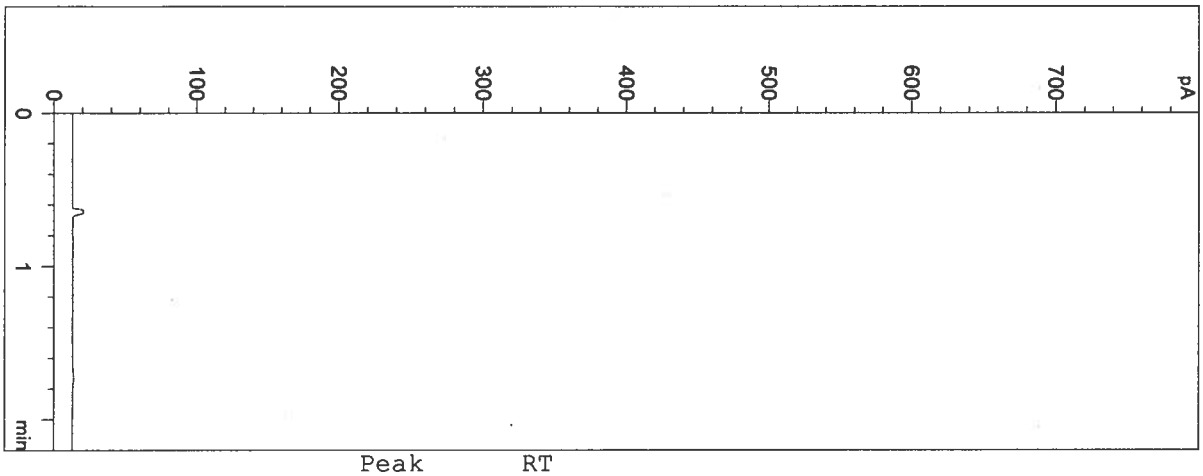
14017

14018

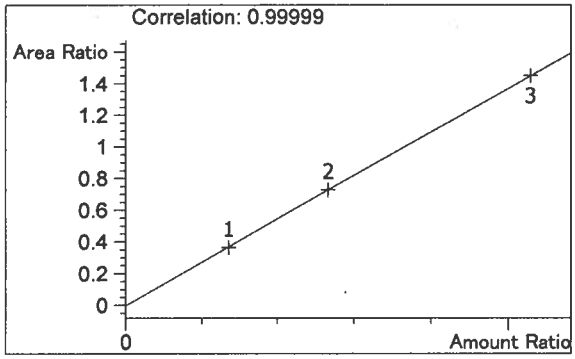
KK

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

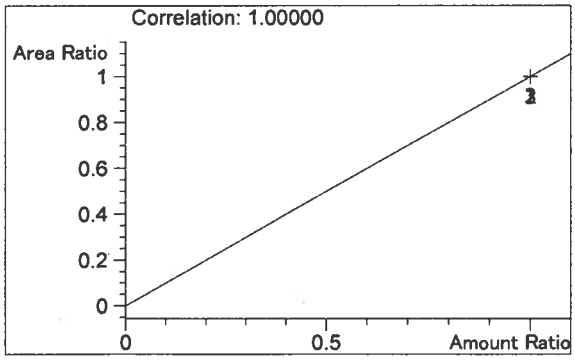
Inj. Date: 6/20/2014 3:20:52 PM Sample Name: BLANK
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 1
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	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

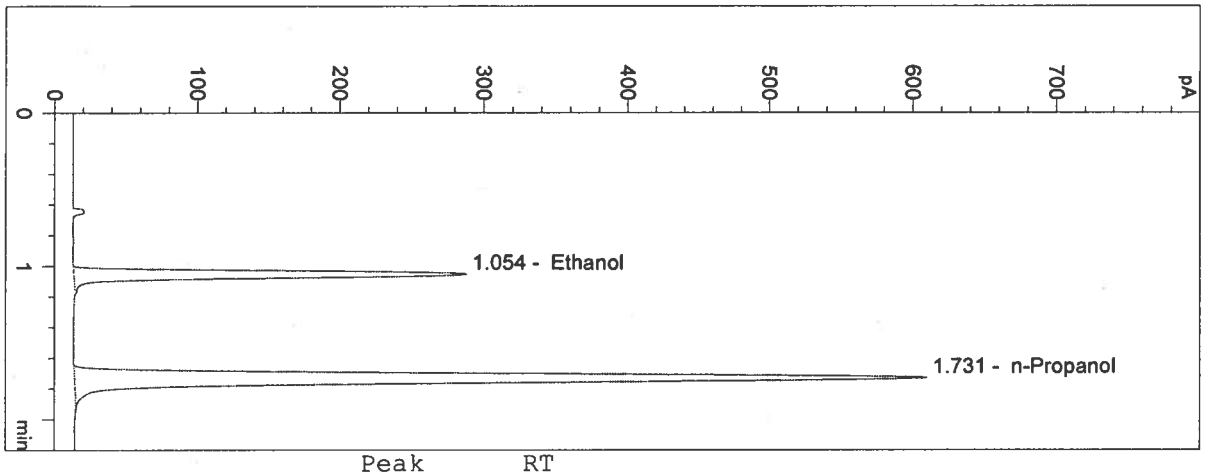
14017

14018

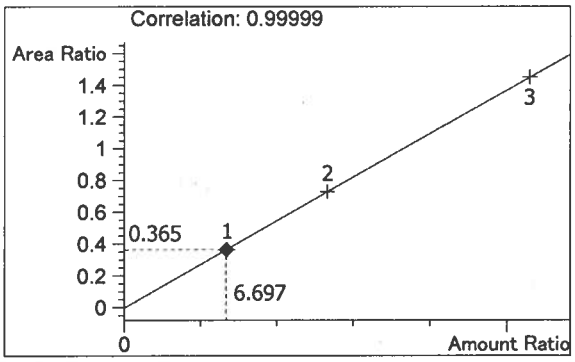
KK

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

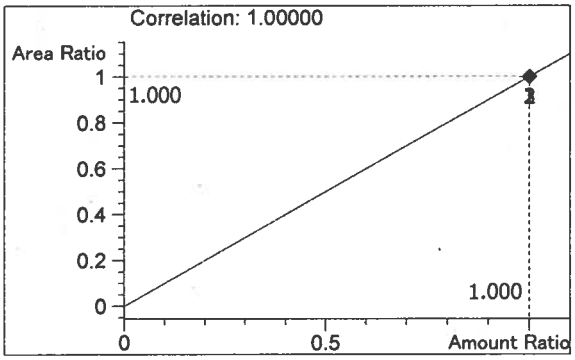
Inj. Date: 6/20/2014 3:24:09 PM Sample Name: CAL 1 (0.079)
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 2
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	865	1.054
2	n-Propanol	2372	1.731



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

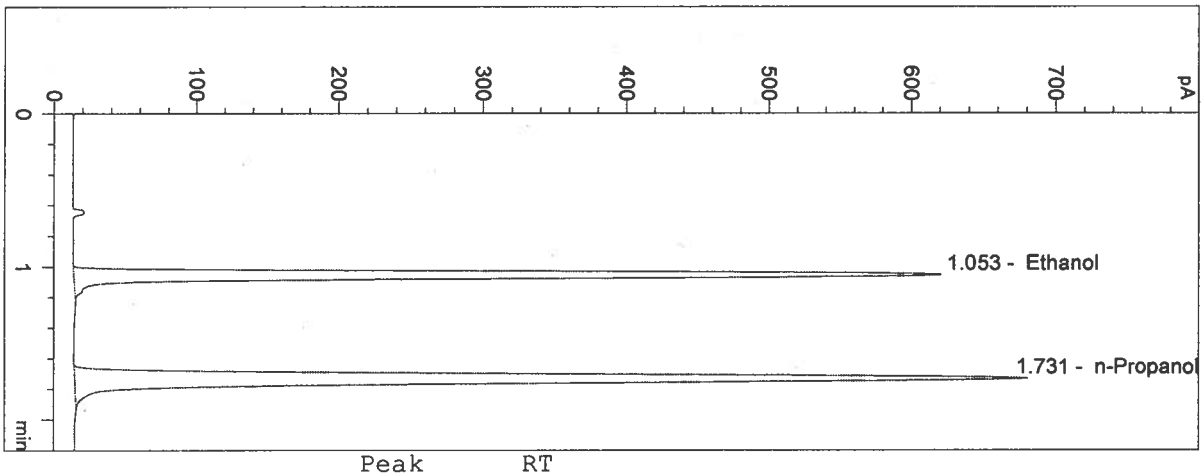
14017

14018

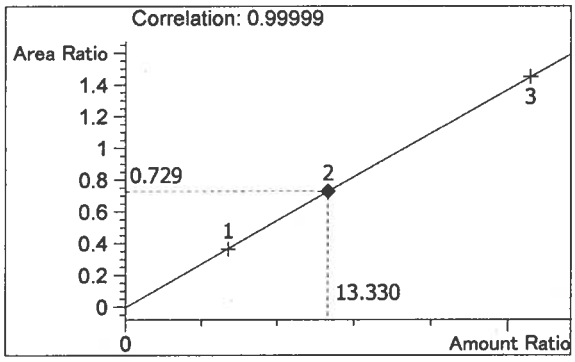
KK

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

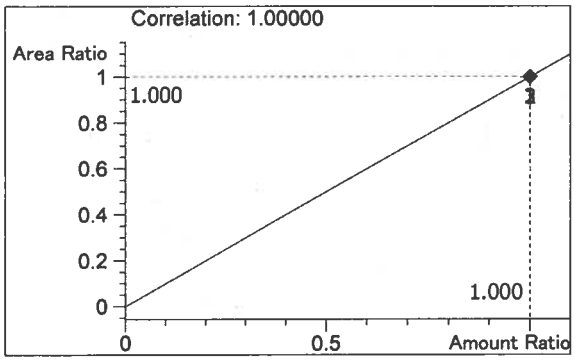
Inj. Date: 6/20/2014 3:27:25 PM Sample Name: CAL 2 (0.158)
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 3
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1933	1.053
2	n-Propanol	2653	1.731



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

14017

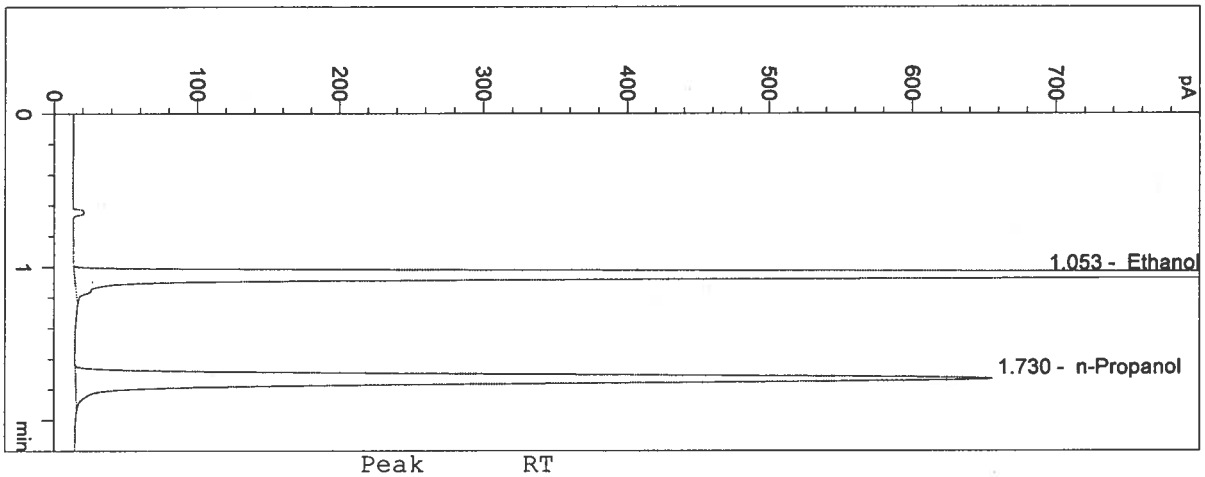
14018

Data File: C:\CHEM32\1\DATA\140620KK\003F0301.D Page 1 of 1

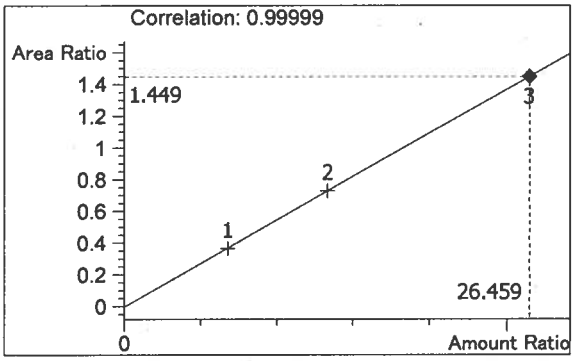
KK

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

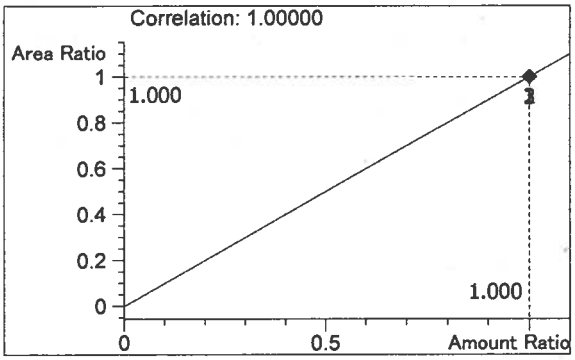
Inj. Date: 6/20/2014 3:30:44 PM Sample Name: CAL 3 (0.316)
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 4
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3697	1.053
2	n-Propanol	2551	1.730



Ethanol 0.318 g/100mL



n-Propanol 0.012 g/100mL

14017

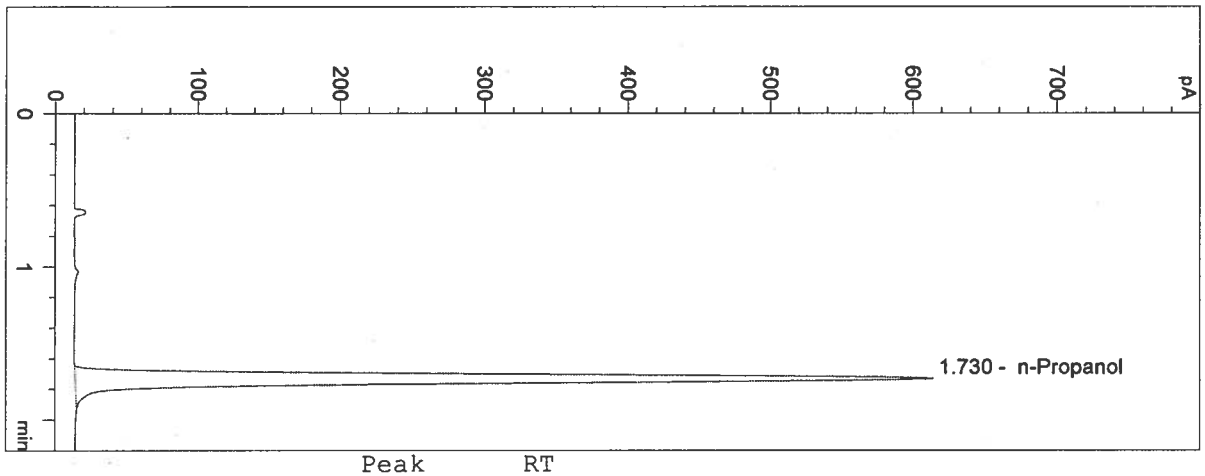
14018

Data File: C:\CHEM32\1\DATA\140620KK\004F0401.D Page 1 of 1

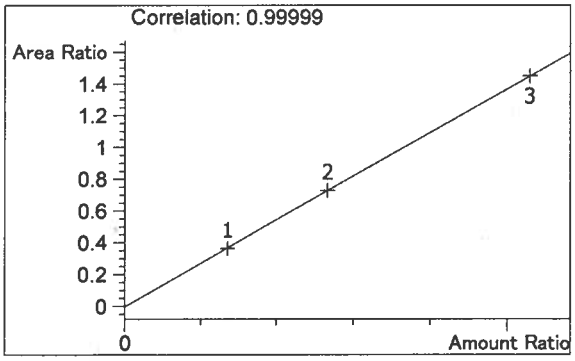
KK

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

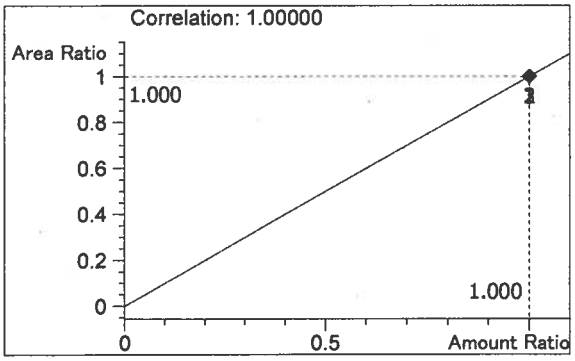
Inj. Date: 6/20/2014 3:33:58 PM Sample Name: NEG CTRL
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 5
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2398	1.730



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14017

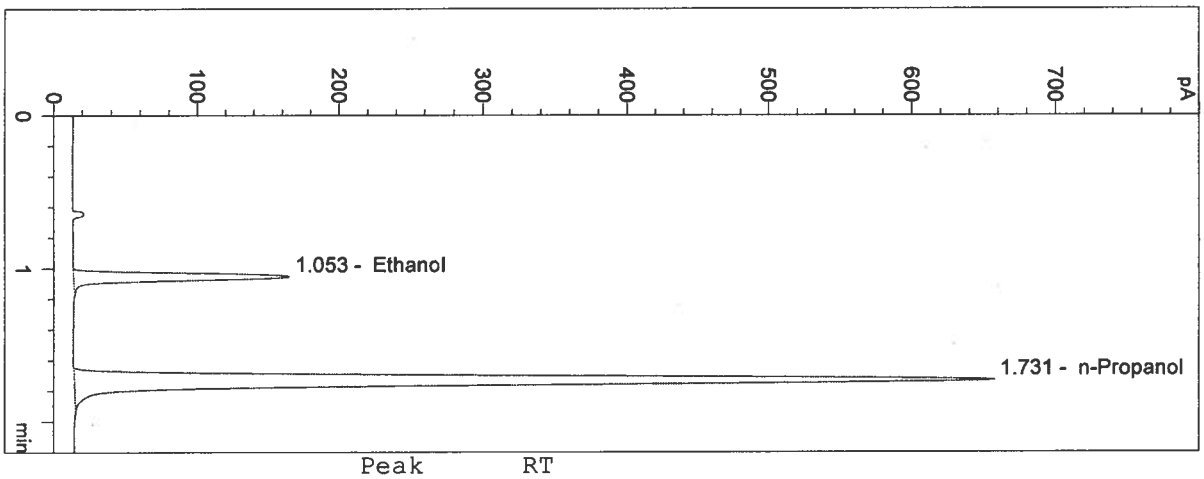
14018

Data File: C:\CHEM32\1\DATA\140620KK\005F0501.D Page 1 of 1

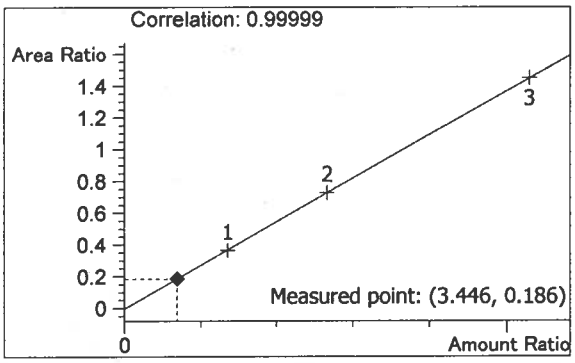
KK

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

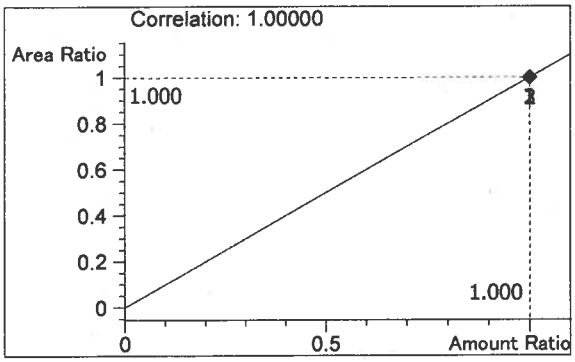
Inj. Date: 6/20/2014 3:37:10 PM Sample Name: CTRL 1 (0.04)
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 6
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	477	1.053
2	n-Propanol	2562	1.731



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

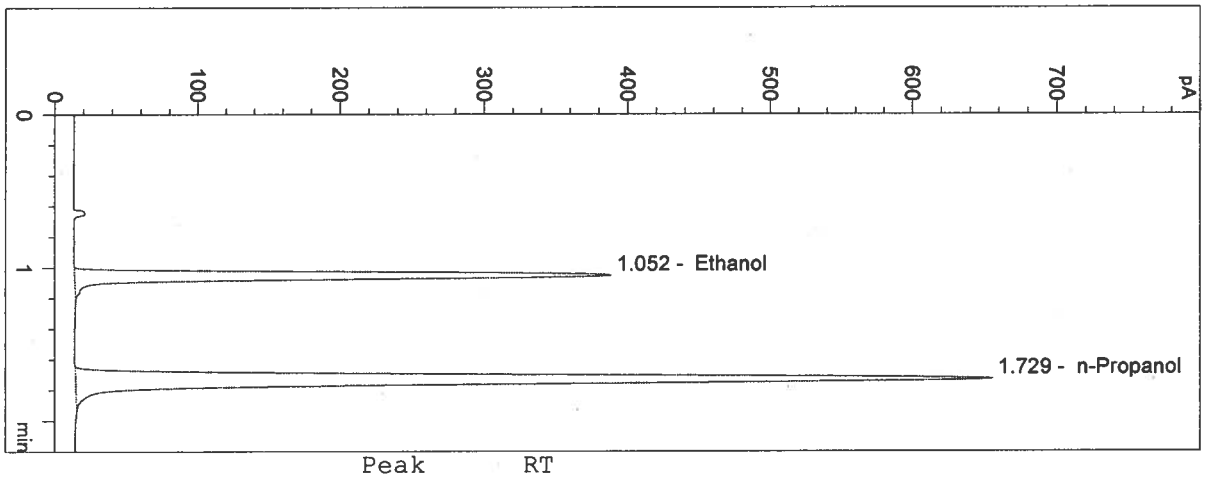
14017

14018

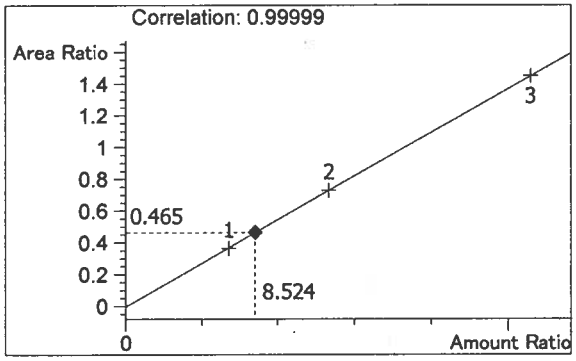
KK

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

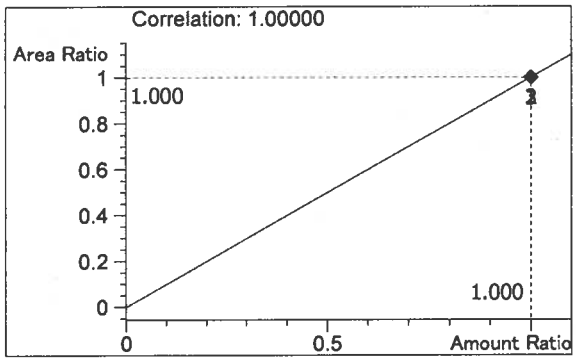
Inj. Date: 6/20/2014 3:40:24 PM Sample Name: CTRL 2 (0.10)
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 7
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1189	1.052
2	n-Propanol	2557	1.729



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

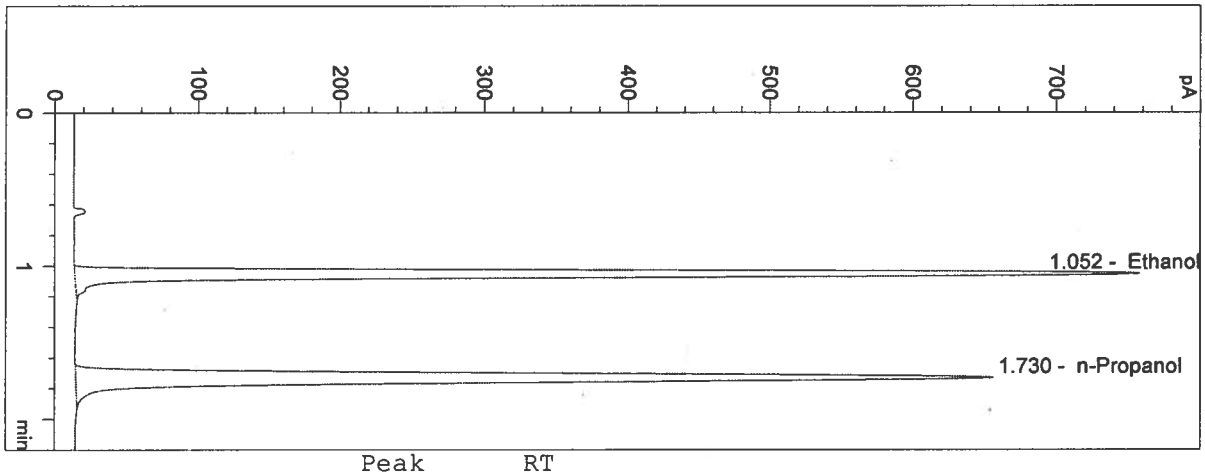
14017

14018

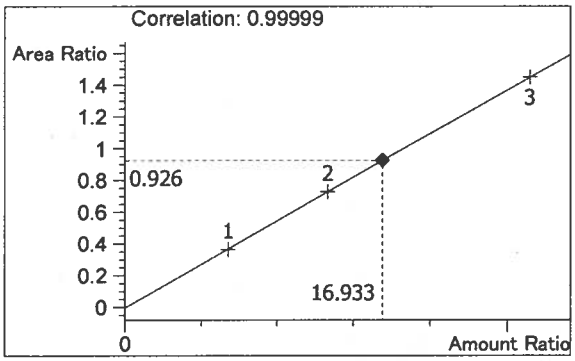
KK

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

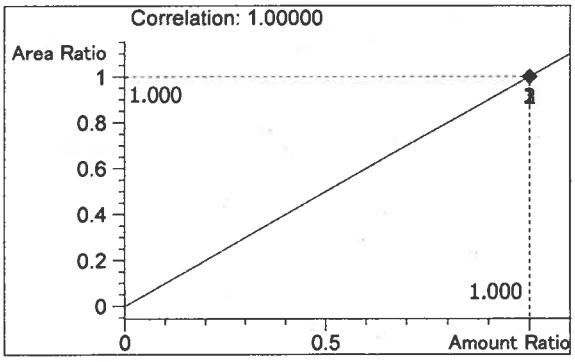
Inj. Date: 6/20/2014 3:43:38 PM Sample Name: CTRL 3 (0.20)
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 8
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2363	1.052
2	n-Propanol	2551	1.730



Ethanol 0.203 g/100mL



n-Propanol 0.012 g/100mL

14017

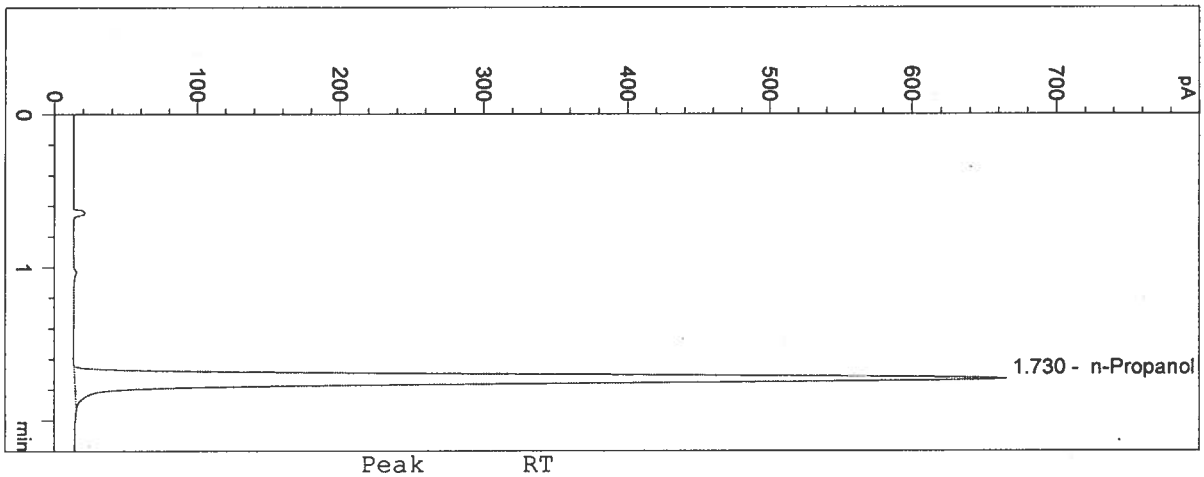
14018

Data File: C:\CHEM32\1\DATA\140620KK\008F0801.D Page 1 of 1

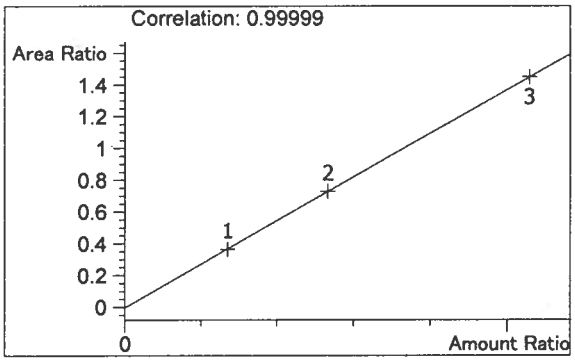
KK

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

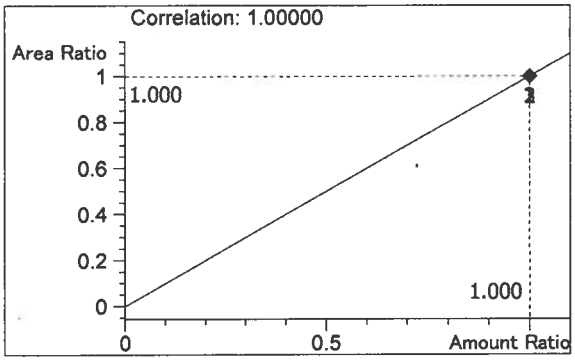
Inj. Date: 6/20/2014 3:46:50 PM Sample Name: NEG CTRL
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 9
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2599	1.730



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14017

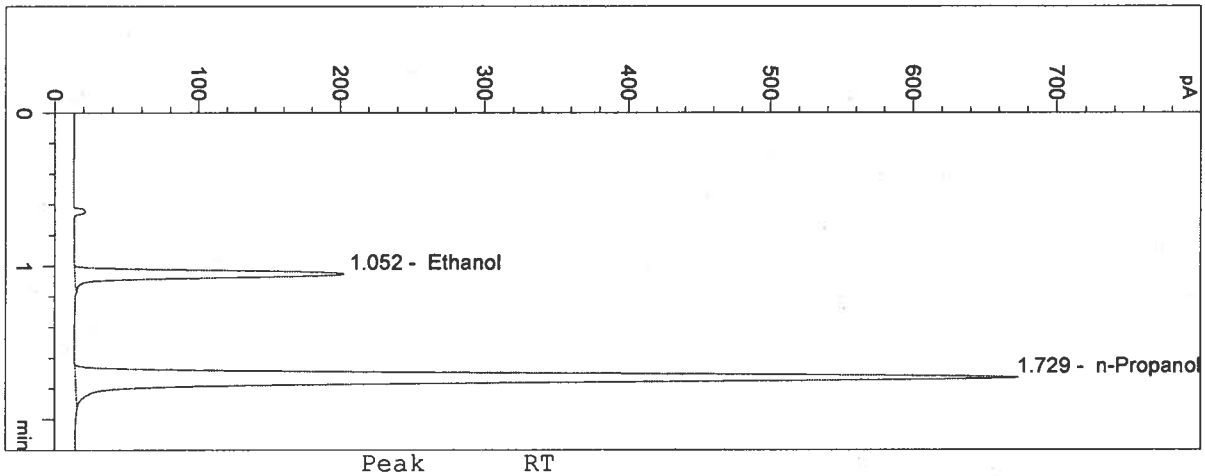
14018

Data File: C:\CHEM32\1\DATA\140620KK\009F0901.D Page 1 of 1

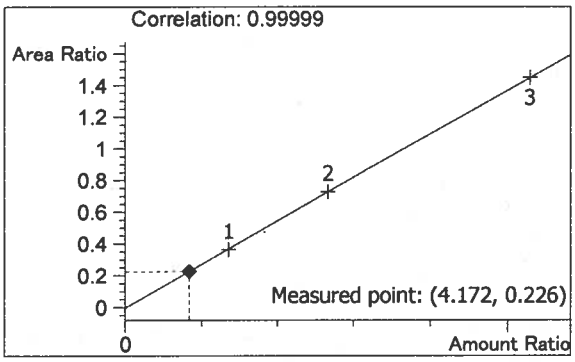
KK

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

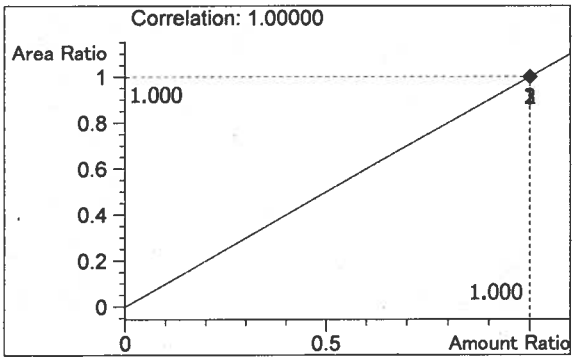
Inj. Date: 6/20/2014 3:50:03 PM Sample Name: QAP 14017 #1
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 10
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	594	1.052
2	n-Propanol	2627	1.729



Ethanol 0.050 g/100mL

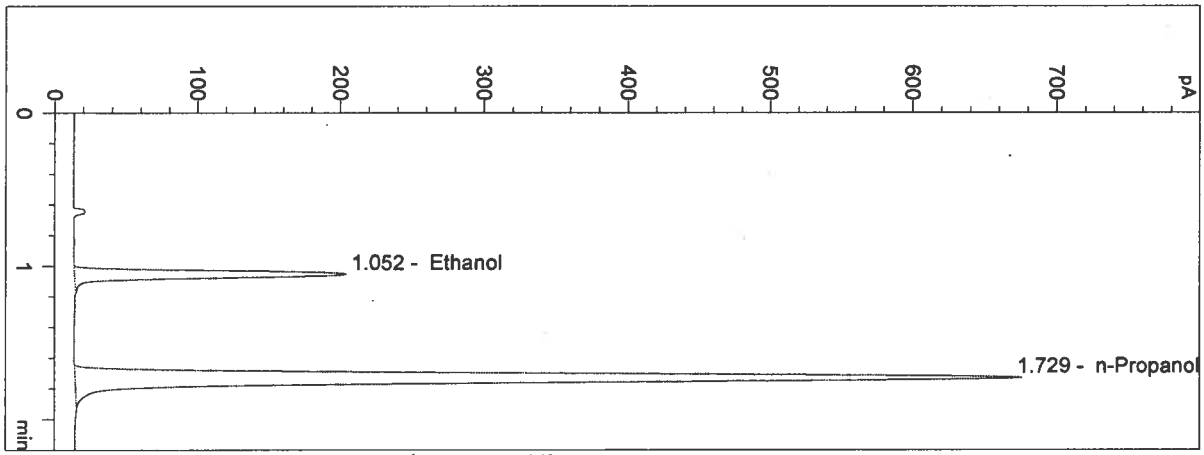


n-Propanol 0.012 g/100mL

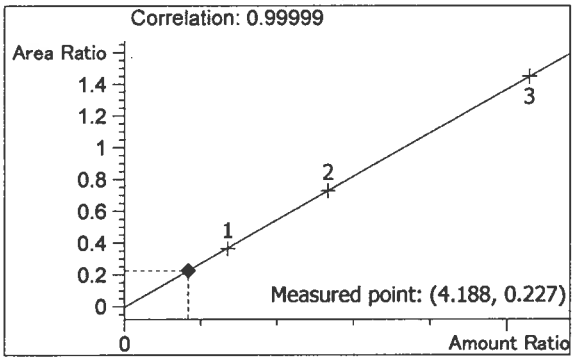
KK

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

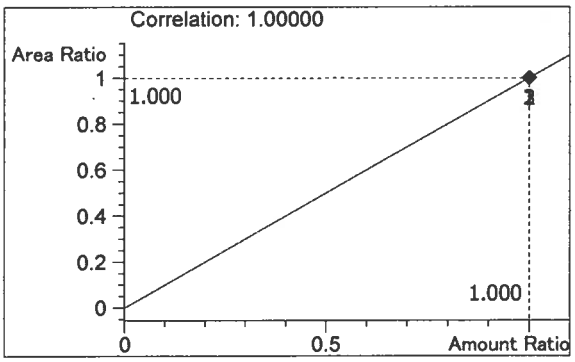
Inj. Date: 6/20/2014 3:53:16 PM Sample Name: QAP 14017 #2
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 11
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	599	1.052
2	n-Propanol	2637	1.729



Ethanol 0.050 g/100mL

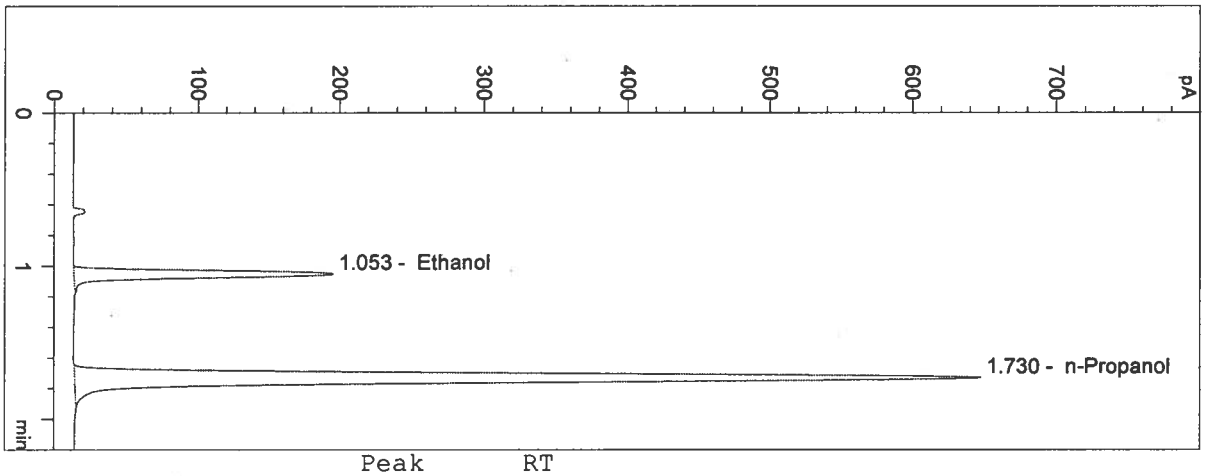


n-Propanol 0.012 g/100mL

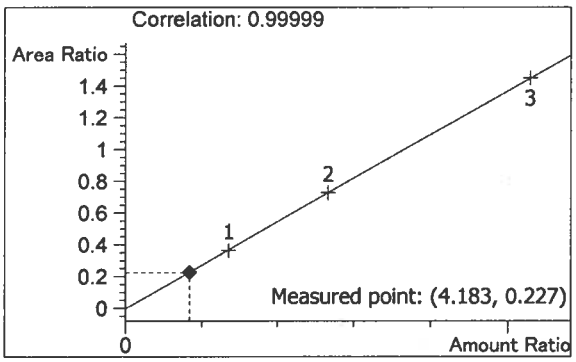
KK

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

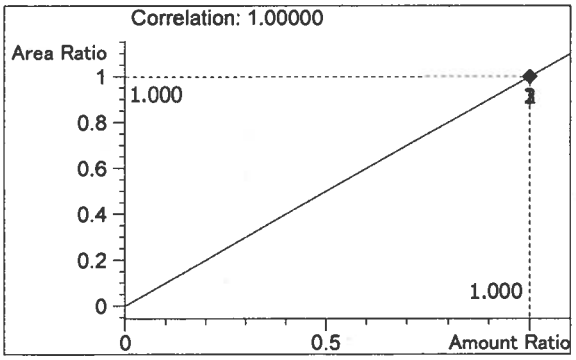
Inj. Date: 6/20/2014 3:56:30 PM Sample Name: QAP 14017 #3
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 12
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	572	1.053
2	n-Propanol	2523	1.730



Ethanol 0.050 g/100mL

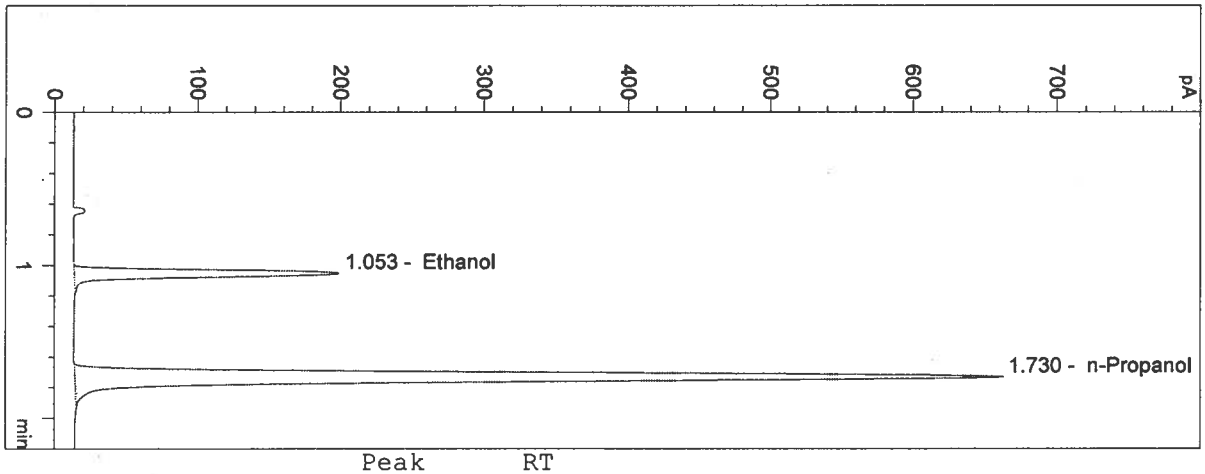


n-Propanol 0.012 g/100mL

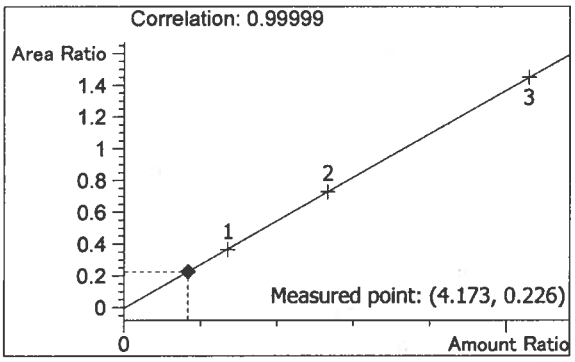
KK

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

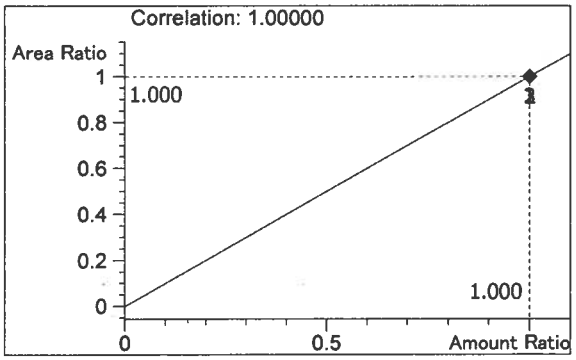
Inj. Date: 6/20/2014 3:59:43 PM Sample Name: QAP 14017 #4
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 13
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	584	1.053
2	n-Propanol	2581	1.730



Ethanol 0.050 g/100mL

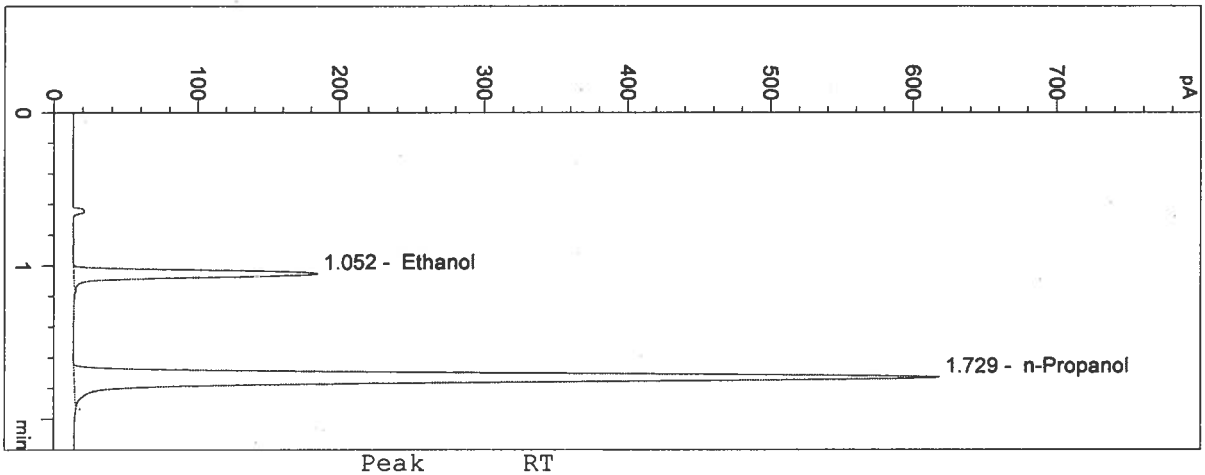


n-Propanol 0.012 g/100mL

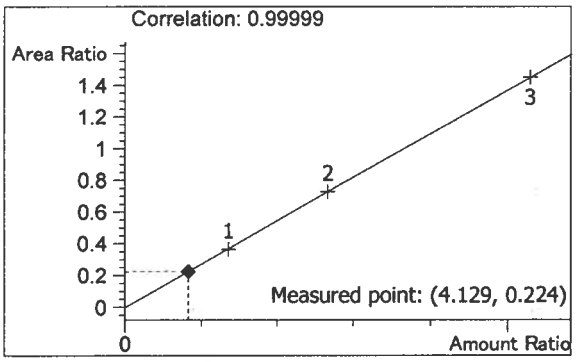
KK

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

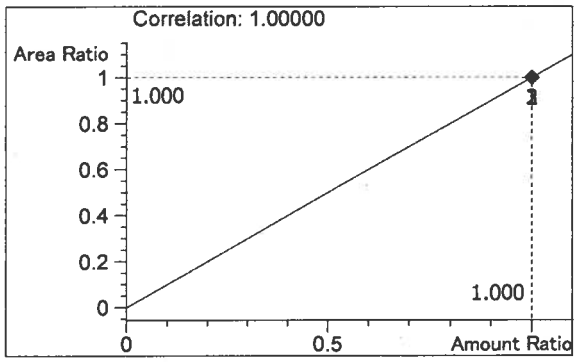
Inj. Date: 6/20/2014 4:02:56 PM Sample Name: QAP 14017 #5
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 14
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	540	1.052
2	n-Propanol	2411	1.729



Ethanol 0.050 g/100mL

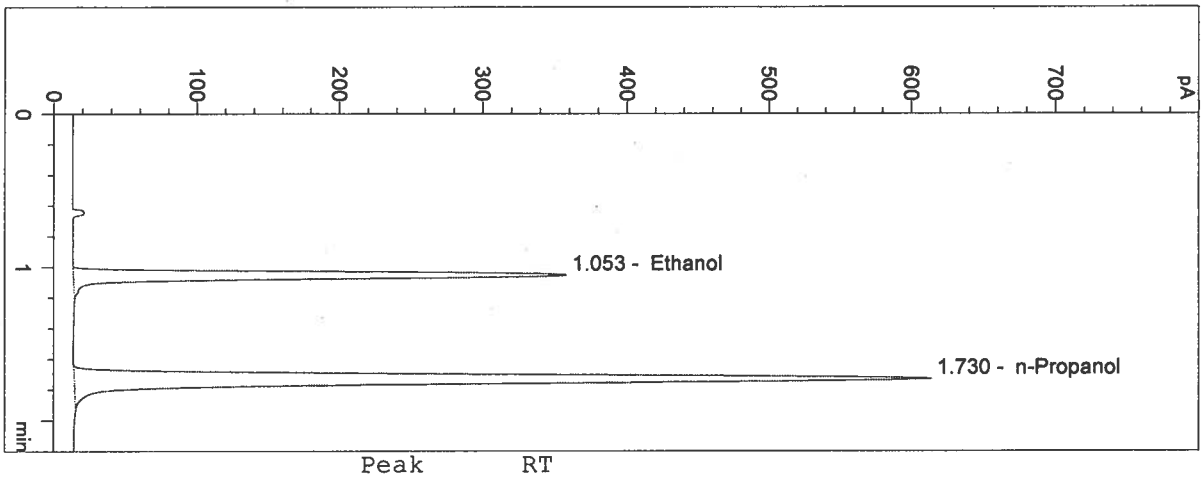


n-Propanol 0.012 g/100mL

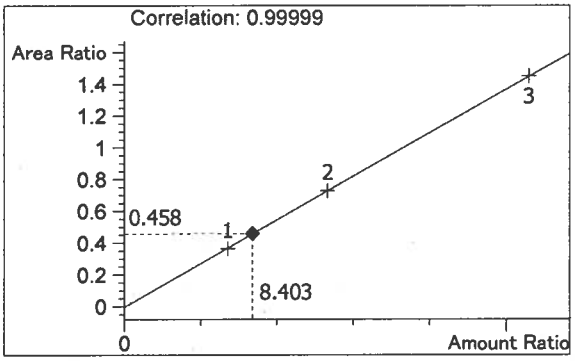
KK

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

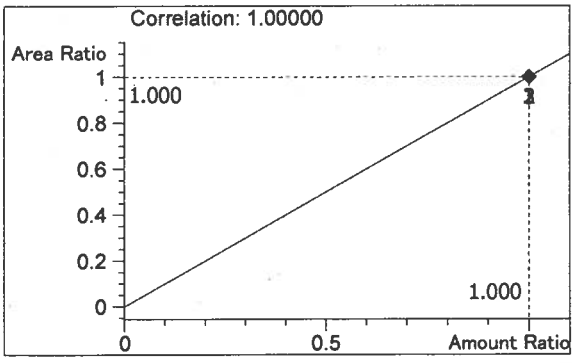
Inj. Date: 6/20/2014 4:06:09 PM Sample Name: CTRL 2 (0.10)
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 15
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1096	1.053
2	n-Propanol	2392	1.730



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

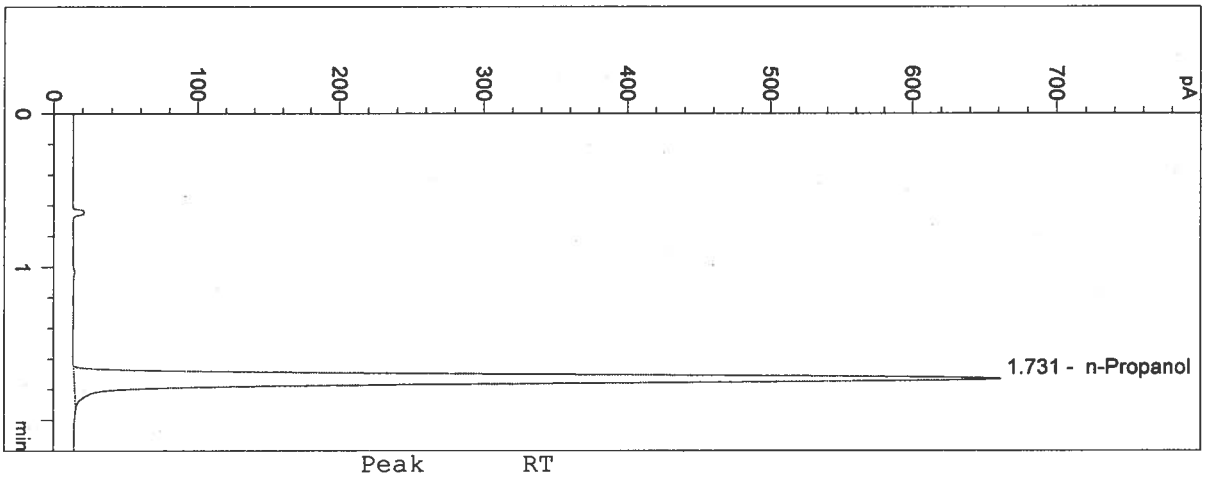
14017

Data File: C:\CHEM32\1\DATA\140620KK\015F1501.D Page 1 of 1

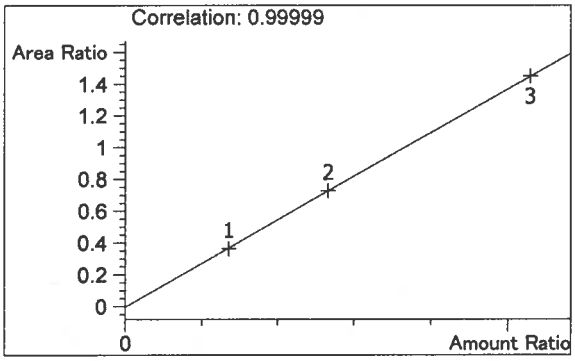
KK

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

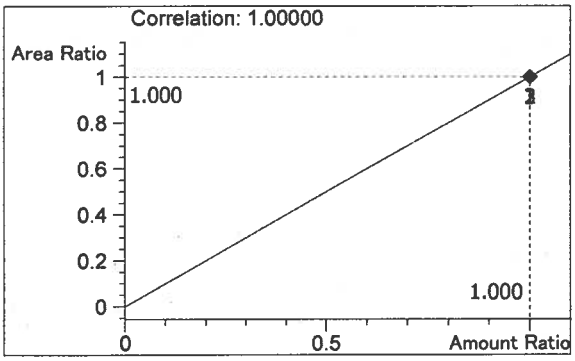
Inj. Date: 6/20/2014 4:09:23 PM Sample Name: NEG CTRL
Instrument: HSGC 1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 16
Method: C:\CHEM32\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2579	1.731



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14017

KK