



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

**BATCH REPORT: 16053**

**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: 12/17/2016  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: David Nguyen

	DN	AC	CSJ
1	0.050	0.051	0.051
2	0.050	0.051	0.051
3	0.051	0.051	0.051
4	0.051	0.051	0.051
5	0.051	0.051	0.051
C	0.103	0.103	0.104

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.0509 g/100mL PRECISION CV (%): 0.69  
STANDARD DEVIATION: 0.00035 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0414 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0010 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

*Brianne E. O'Reilly*  
\_\_\_\_\_  
Brianne E. O'Reilly Technical Lead

1.12.2017  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
DN	David Nguyen	<i>David Nguyen</i>	12/17/2016
AC	Amanda Chandler	<i>Amanda Chandler</i>	12/17/2016
CSJ	Christopher S. Johnston	<i>Chris Johnston</i>	12/21/2016


**SIMULATOR SOLUTION DATA ENTRY REVIEW**

Reviewer/s: Amanda M. Black Date: 2-1-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16053

	YES	NO	N/A
Analysis dates do not precede preparation date:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Declarations signed and properly dated:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data entry corresponds to all chromatograms:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All signatures present on Test Report:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Average solution concentration correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Standard deviation correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CV (%) correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equivalent vapor concentration correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All chromatograms and sequences included in file:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ethanol control information present: (lot # present & used within expiration)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complies with accuracy and precision requirements established by the State Toxicologist:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Reviewer Signature:  Date: 2-1-17

Washington State Patrol - Toxicology Laboratory Division  
QAP Test Report Calculation Record

QAP Solution Batch #: 16053

Date Prepared: 12/17/2016

Analyst:	DN	AC	CSJ
Date Tested:	12/17/2016	12/17/2016	12/21/2016
Instrument:	HSGC #3	HSGC #3	HSGC #1
1	0.050	0.051	0.051
2	0.050	0.051	0.051
3	0.051	0.051	0.051
4	0.051	0.051	0.051
5	0.051	0.051	0.051
C	0.103	0.103	0.104

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000031900	0.0000104058	0.0001016326

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

Average Solution Concentration: 0.0509 g/100mL  
Standard Deviation: 0.00035 g/100mL  
Precision CV (%): 0.69  
Equivalent Vapor Concentration: 0.0414 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0005 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0010 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly Brianne O'Reilly 1-10-17  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 2-1-17  
Name Signature Date

Method: Hand calculation

Tech. review performed by: Brianne E. O'Reilly Brianne O'Reilly 1-10-17  
Name Signature Date

**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	AZ	1/12/17
Andrew Gingras		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston	W	1/11/17
David Nguyen	DN	1/11/17
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris		
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 16053  
BUO 1.10.17

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 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16053**


I, David Nguyen, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 16053, was prepared in the Washington State Toxicology Laboratory on 12/17/2016. I tested this solution and 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 12/17/2017.

Seattle, WA

 \_\_\_\_\_ 11/11/17  
David Nguyen Date

Forensic Scientist

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 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16053**

I, Amanda Chandler, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: MS degree in Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 16053, was prepared in the Washington State Toxicology Laboratory on 12/17/2016. I tested this solution and 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 12/17/2017.

Seattle, WA

 1/12/2017

Amanda Chandler  
Forensic Scientist

Date

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 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16053**

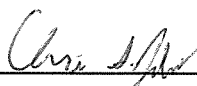
I, Christopher S. Johnston, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 16053, was prepared in the Washington State Toxicology Laboratory on 12/17/2016. I tested this solution and 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 12/17/2017.

Seattle, WA

  
\_\_\_\_\_  
Christopher S. Johnston                      1/11/2017  
Forensic Scientist                              Date



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

Preparation Date: 12/17/16 Expiration Date: 12/17/17 Initials of Preparer: DN

Lot # of 200-proof Ethanol used in preparation: 2DK0010

Date the 200-proof Ethanol bottle was opened: 12/2/16

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.

Environmental conditions verified as acceptable: [checked]

Table with 5 columns: Simulator Solution, Volume of Ethanol (mL), Volume of Deionized Water (L), [checkbox], Batch Number. Rows include QAP 0.04, QAP 0.08, QAP 0.10, QAP 0.15, QAP 0.20, and ESS.

Stir bar is rotating [checked]

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

Spigot purged [checked]

Aliquot taken [checked]

Batch labeled, packaged and sealed [checked] Date: 12/17/16

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

Comments: Batch 16057: more than 2 values out of acceptable range. Batch 16057 discarded. 11/11/17 DN. Batch 16055 + 16056: more than 2 values out of acceptable range. Batch 16055 + 16056 discarded. 11/11/17 DN

Analyst Signature [Handwritten Signature]

Date: 12/17/16 16053 Buo 1-10-17



Sequence Parameters:

Operator: David Nguyen  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
                   Counter: 0001  
 Signal 2 Prefix: SIG2  
                   Counter: 0001  
 Data Directory: C:\HPCHEM\2\DATA\  
 Data Subdirectory: 161217DN  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0916-01 - X: 03/15/17  
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - X: 03/15/17  
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - X: 03/15/17  
  
 CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020  
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018  
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021  
  
 n-Propanol ISTD - Lot: P1116 - X: 02/23/17  
  
 Calibration vials 1-9 filed with 16053.

16053  
 BUO 1-10-17

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16053 #1	SIMALC3	1	Sample		
11	Vial 11	16053 #2	SIMALC3	1	Sample		
12	Vial 12	16053 #3	SIMALC3	1	Sample		
13	Vial 13	16053 #4	SIMALC3	1	Sample		
14	Vial 14	16053 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16054 #1	SIMALC3	1	Sample		
18	Vial 18	16054 #2	SIMALC3	1	Sample		
19	Vial 19	16054 #3	SIMALC3	1	Sample		
20	Vial 20	16054 #4	SIMALC3	1	Sample		
21	Vial 21	16054 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16055 #1	SIMALC3	1	Sample		

DN

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16055 #2	SIMALC3	1	Sample		
26	Vial 26	16055 #3	SIMALC3	1	Sample		
27	Vial 27	16055 #4	SIMALC3	1	Sample		
28	Vial 28	16055 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16056 #1	SIMALC3	1	Sample		
32	Vial 32	16056 #2	SIMALC3	1	Sample		
33	Vial 33	16056 #3	SIMALC3	1	Sample		
34	Vial 34	16056 #4	SIMALC3	1	Sample		
35	Vial 35	16056 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	16057 #1	SIMALC3	1	Sample		
39	Vial 39	16057 #2	SIMALC3	1	Sample		
40	Vial 40	16057 #3	SIMALC3	1	Sample		
41	Vial 41	16057 #4	SIMALC3	1	Sample		
42	Vial 42	16057 #5	SIMALC3	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

16053  
BUO 1-10-17

DN

=====  
Calibration Table  
=====

Calib. Data Modified : Saturday, December 17, 2016 10:59:22 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

16053  
PLU 1-10-17

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,

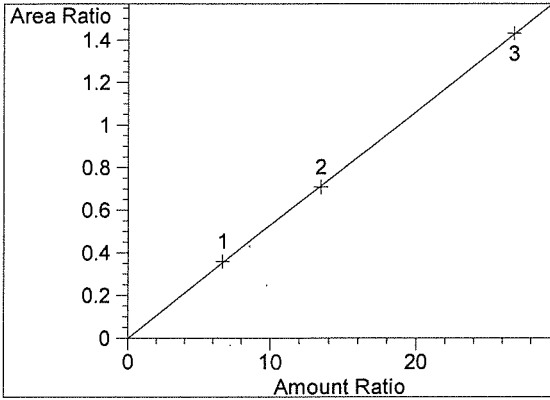
RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp Name
1.024	1 1	8.00100e-2	599.97864	1.33355e-4	1	Ethanol
	2	1.61200e-1	1135.19507	1.42002e-4		
	3	3.21790e-1	2331.29224	1.38031e-4		
1.751	1 1	1.20000e-2	1670.32593	7.18423e-6	I1	n-Propanol
	2	1.20000e-2	1603.57324	7.48329e-6		
	3	1.20000e-2	1630.65063	7.35903e-6		

=====  
Peak Sum Table  
=====

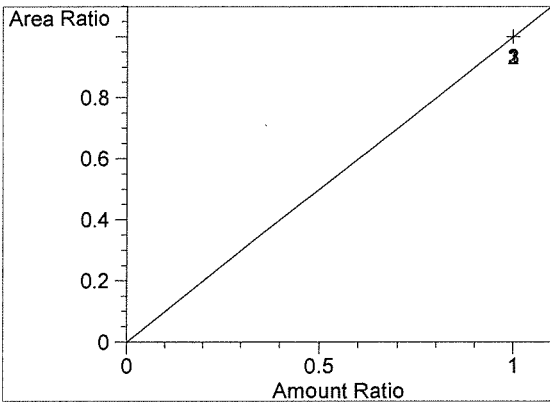
\*\*\*No Entries in table\*\*\*  
=====

DN

=====  
Calibration Curves  
=====



Ethanol at exp. RT: 1.024  
FID1 A,  
Correlation: 0.99997  
Residual Std. Dev.: 0.00610  
Formula:  $y = mx + b$   
m: 5.32307e-2  
b: -1.55565e-4  
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 1.751  
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

=====  
  
16053  
BLU 1-10-17

DN

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

Inj. Date: 12/17/2016 10:47:17 AM

Sample Name: BLANK

Instrument: HSGC#3

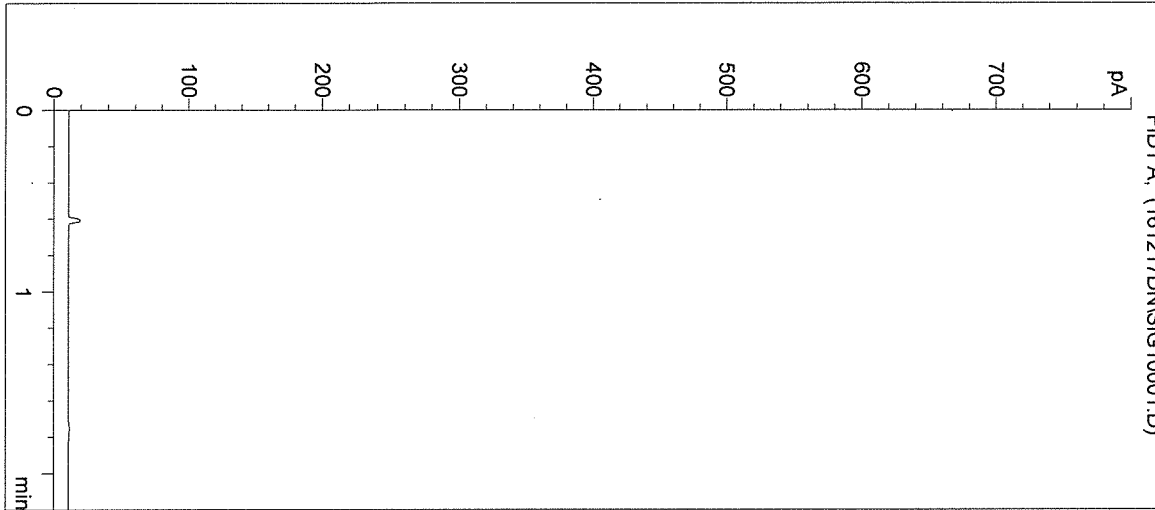
Operator: David Nguyen

Column: DB-ALC2

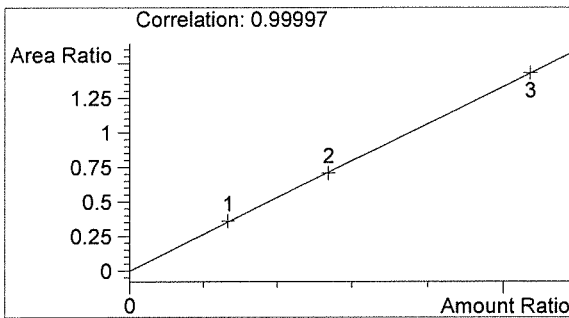
Location: Vial 1

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

Sample Info: 16053

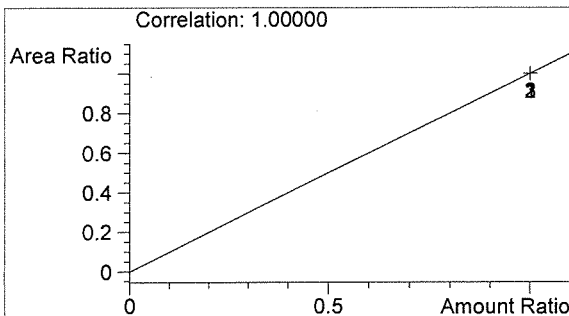


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

*AWD*



n-Propanol 0.000 g/100mL

*DN*

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

Inj. Date: 12/17/2016 10:50:35 AM

Sample Name: CAL 1 (0.079)

Instrument: HSGC#3

Operator: David Nguyen

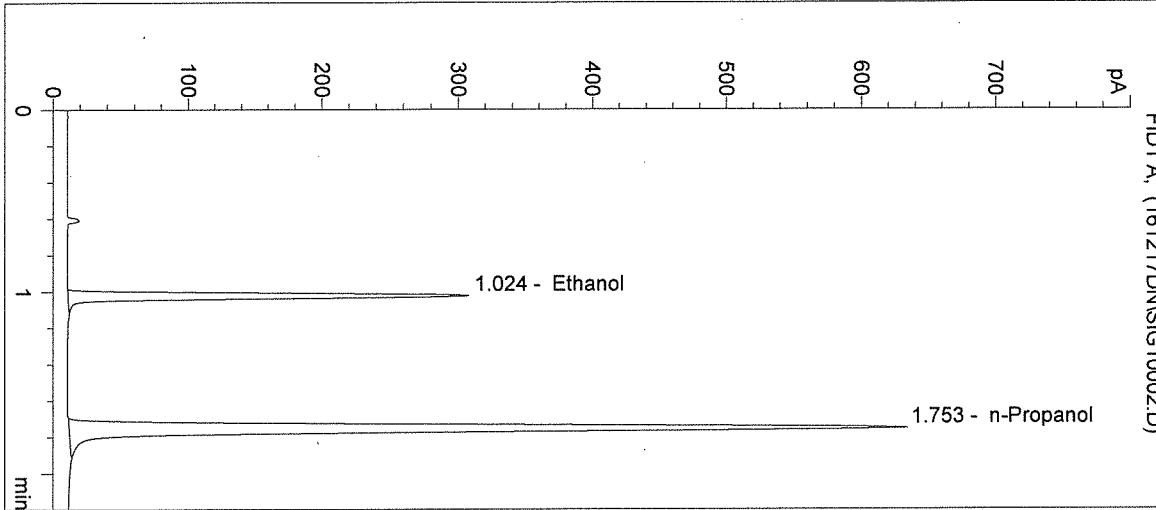
Column: DB-ALC2

Location: Vial 2

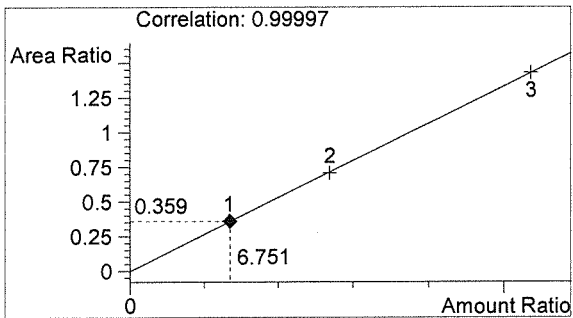
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 1: 0.079 g/100mL  
 16053

->

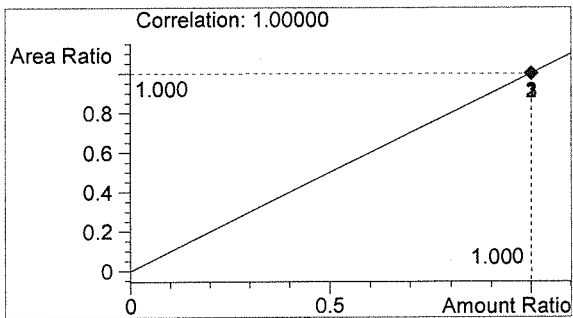


#	Compound	Peak Area	RT (min)
1	Ethanol	600	1.024
2	n-Propanol	1670	1.753



Ethanol 0.081 g/100mL

*BWD*



n-Propanol 0.012 g/100mL

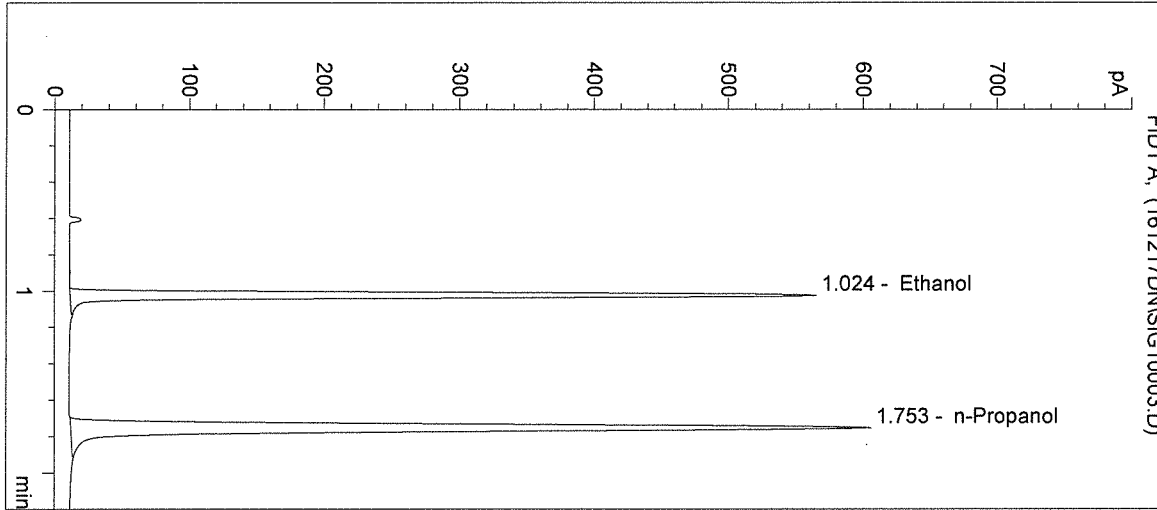
*DN*

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

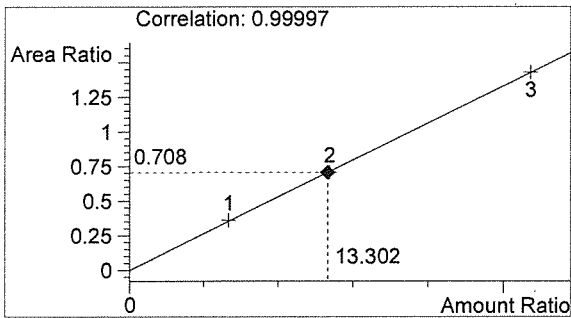
Inj. Date: 12/17/2016 10:53:52 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CAL 2: 0.158 g/100mL  
 16053

Sample Name: CAL 2 (0.158)  
 Operator: David Nguyen  
 Location: Vial 3

->

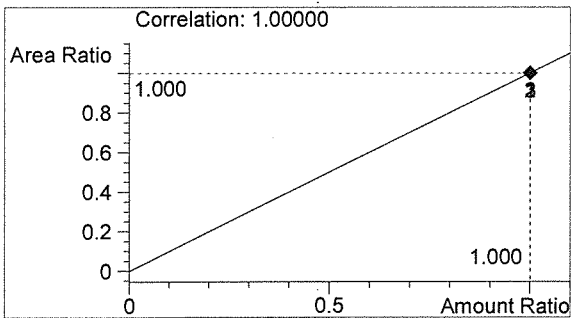


#	Compound	Peak Area	RT (min)
1	Ethanol	1135	1.024
2	n-Propanol	1604	1.753



Ethanol 0.160 g/100mL

*PCW*



n-Propanol 0.012 g/100mL

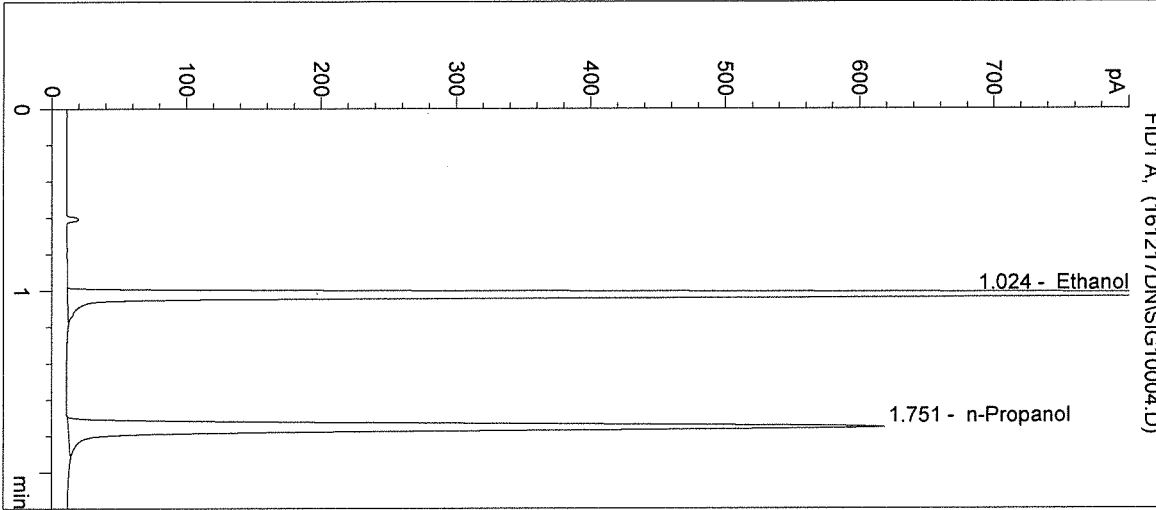
*DN*

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

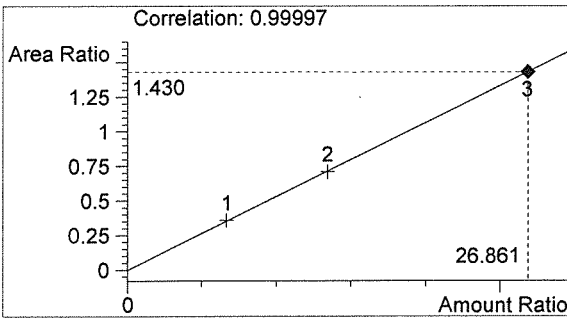
Inj. Date: 12/17/2016 10:57:10 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CAL 3: 0.316 g/100mL  
 16053

Sample Name: CAL 3 (0.316)  
 Operator: David Nguyen  
 Location: Vial 4

->

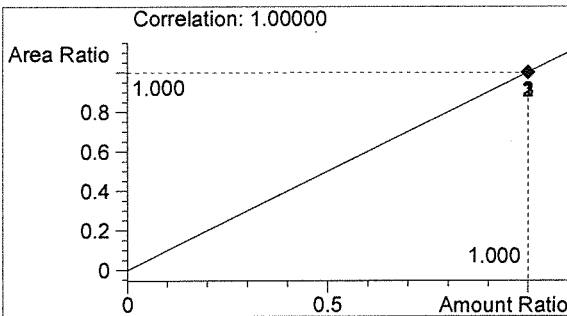


#	Compound	Peak Area	RT (min)
1	Ethanol	2331	1.024
2	n-Propanol	1631	1.751



Ethanol 0.322 g/100mL

*BLW*



n-Propanol 0.012 g/100mL

*DN*



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

Inj. Date: 12/17/2016 11:00:23 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

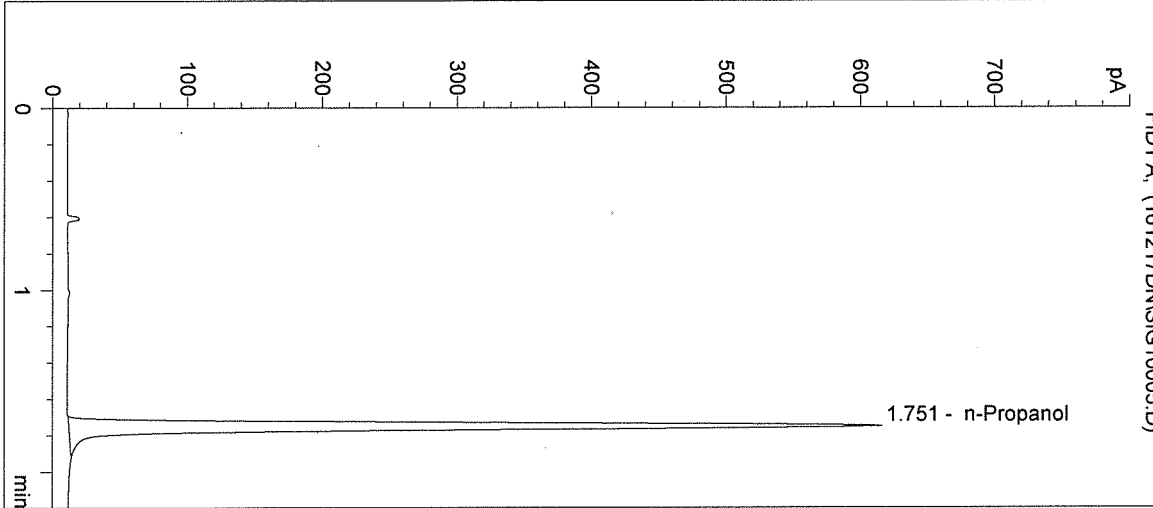
Operator: David Nguyen

Column: DB-ALC2

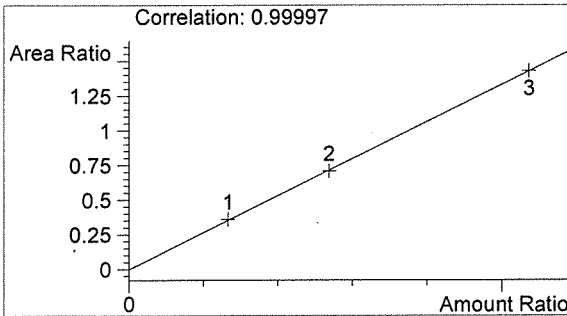
Location: Vial 5

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

Sample Info: 16053

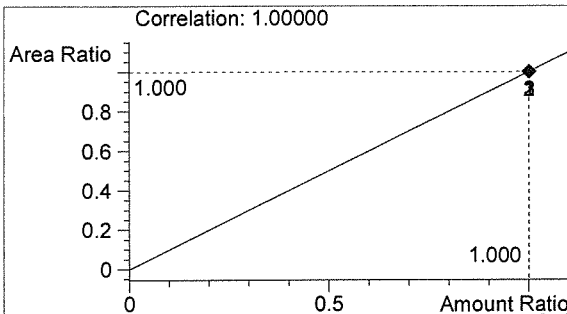


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1623	1.751



Ethanol 0.000 g/100mL

*Buo*



n-Propanol 0.012 g/100mL

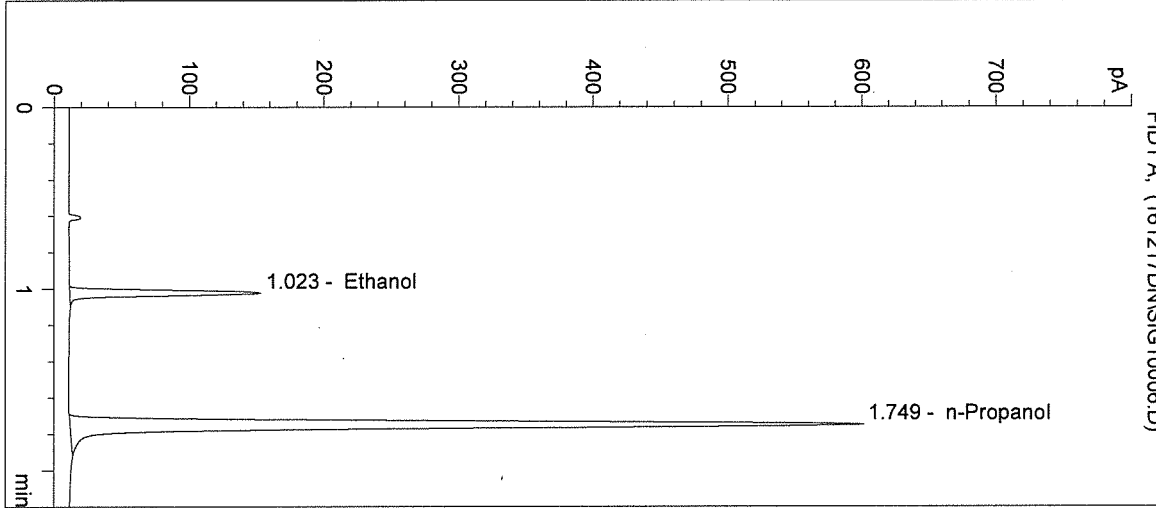
*DN*

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

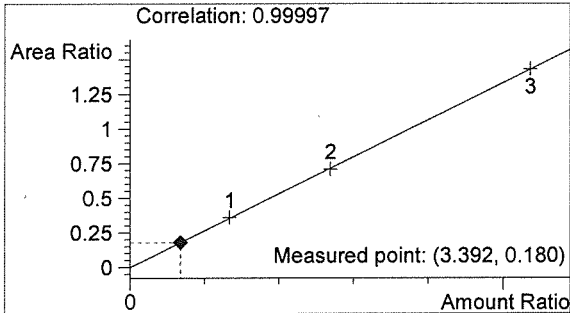
Inj. Date: 12/17/2016 11:03:36 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 1: 0.04 g/100mL  
 16053

Sample Name: CTRL 1 (0.04)  
 Operator: David Nguyen  
 Location: Vial 6

->

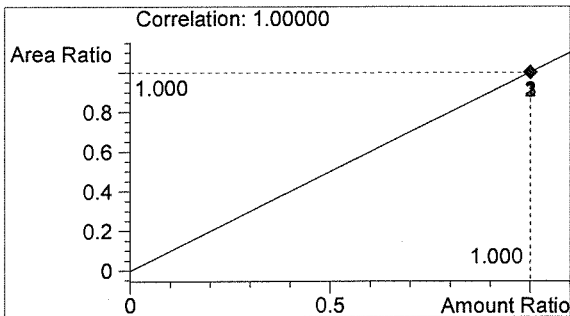


#	Compound	Peak Area	RT (min)
1	Ethanol	286	1.023
2	n-Propanol	1585	1.749



Ethanol 0.041 g/100mL

*AWO*



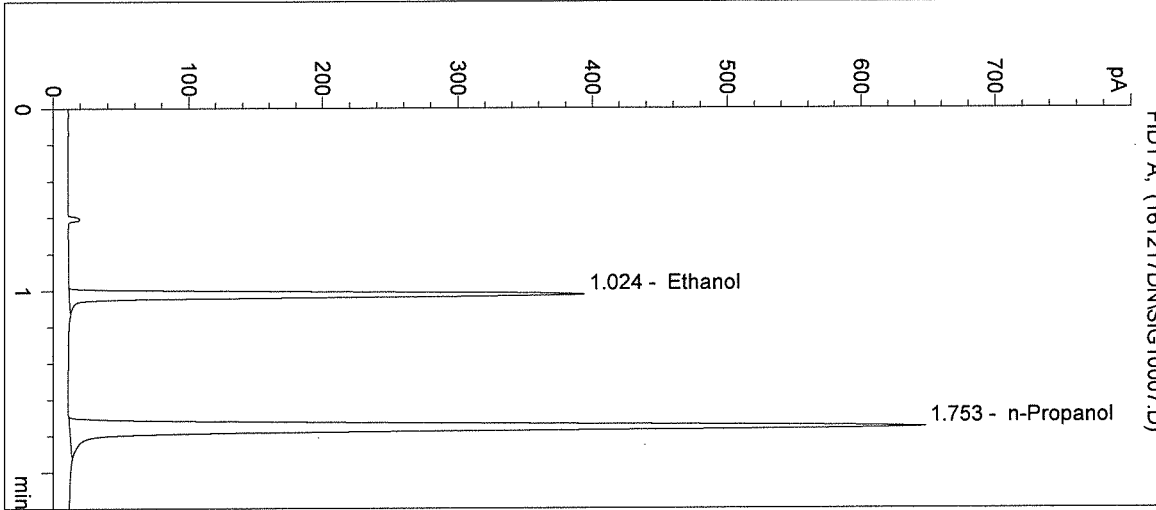
n-Propanol 0.012 g/100mL

*DN*

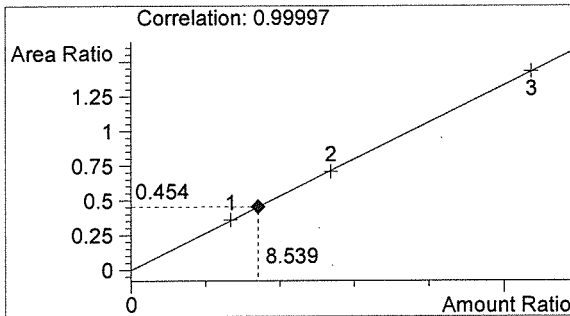
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/17/2016 11:06:49 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 2: 0.10 g/100mL  
 16053

Sample Name: CTRL 2 (0.10)  
 Operator: David Nguyen  
 Location: Vial 7

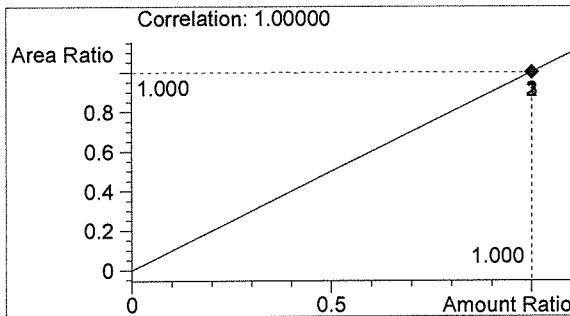


#	Compound	Peak Area	RT (min)
1	Ethanol	778	1.024
2	n-Propanol	1711	1.753



Ethanol 0.102 g/100mL

*BLW*



n-Propanol 0.012 g/100mL

*DN*

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

Inj. Date: 12/17/2016 11:10:02 AM

Sample Name: CTRL 3 (0.20)

Instrument: HSGC#3

Operator: David Nguyen

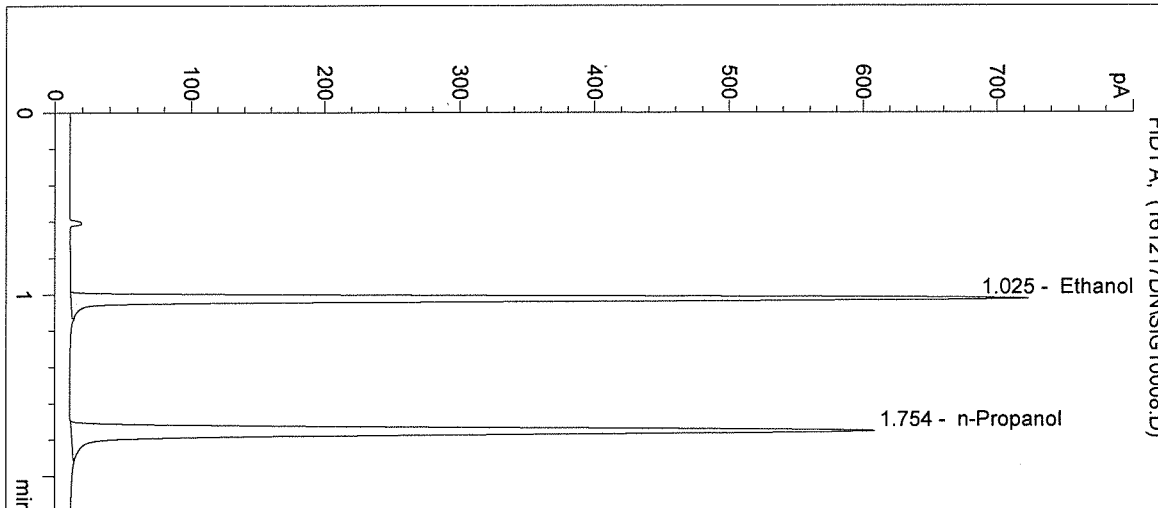
Column: DB-ALC2

Location: Vial 8

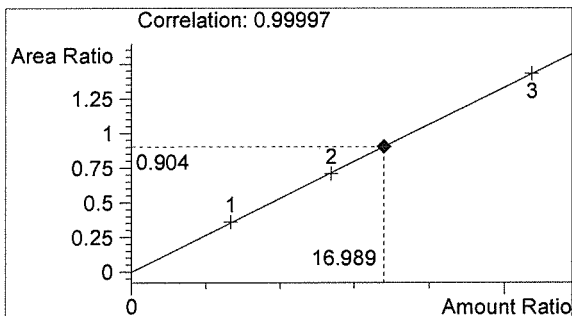
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CTRL 3: 0.20 g/100mL  
 16053

->

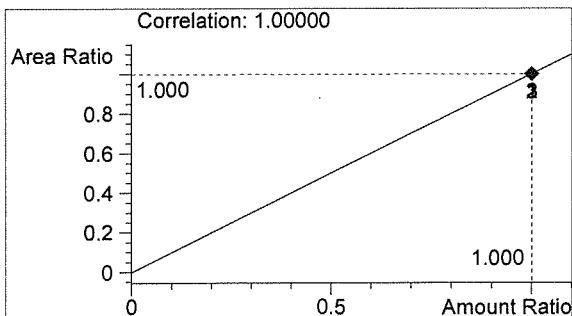


#	Compound	Peak Area	RT (min)
1	Ethanol	1452	1.025
2	n-Propanol	1606	1.754



Ethanol 0.204 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*DN*

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

Inj. Date: 12/17/2016 11:13:16 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

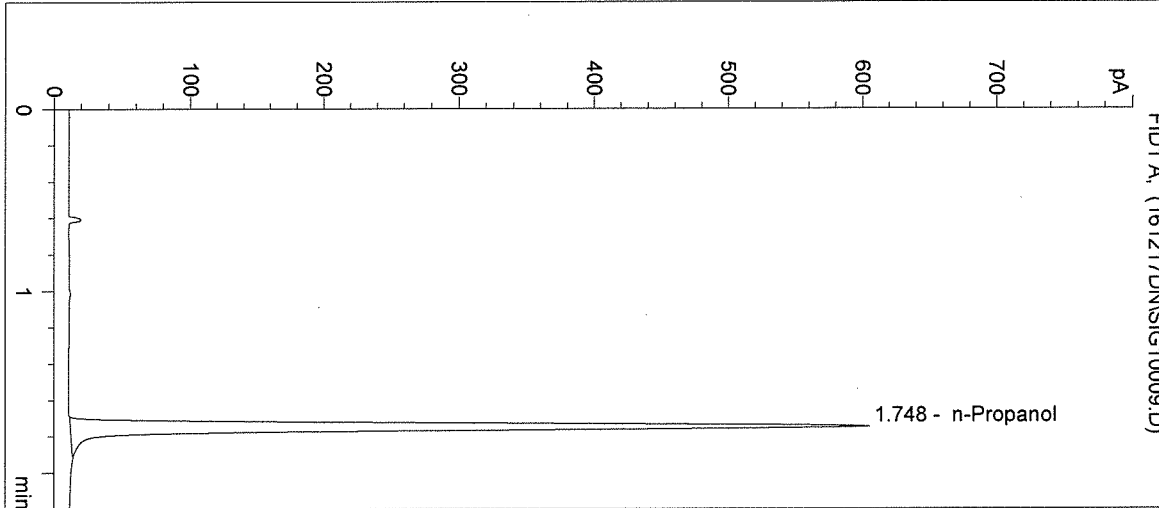
Operator: David Nguyen

Column: DB-ALC2

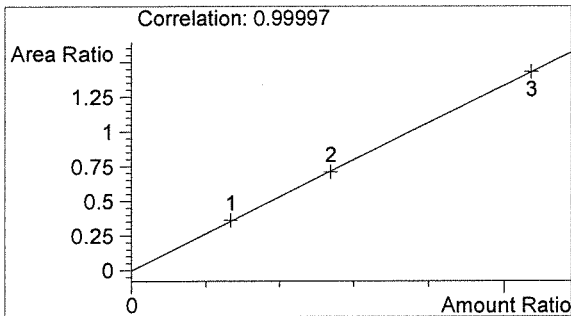
Location: Vial 9

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

Sample Info: 16053

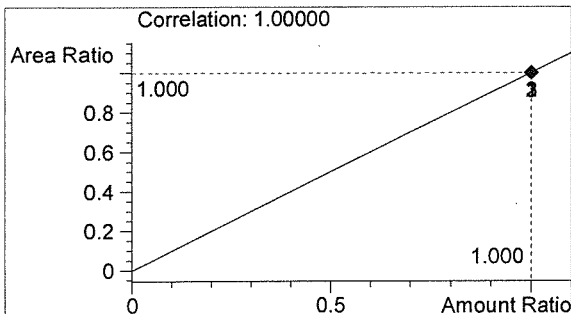


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1589	1.748



Ethanol 0.000 g/100mL

*AWO*



n-Propanol 0.012 g/100mL

*DN*

Inj. Date: 12/17/2016 11:16:29 AM

Sample Name: 16053 #1

Instrument: HSGC#3

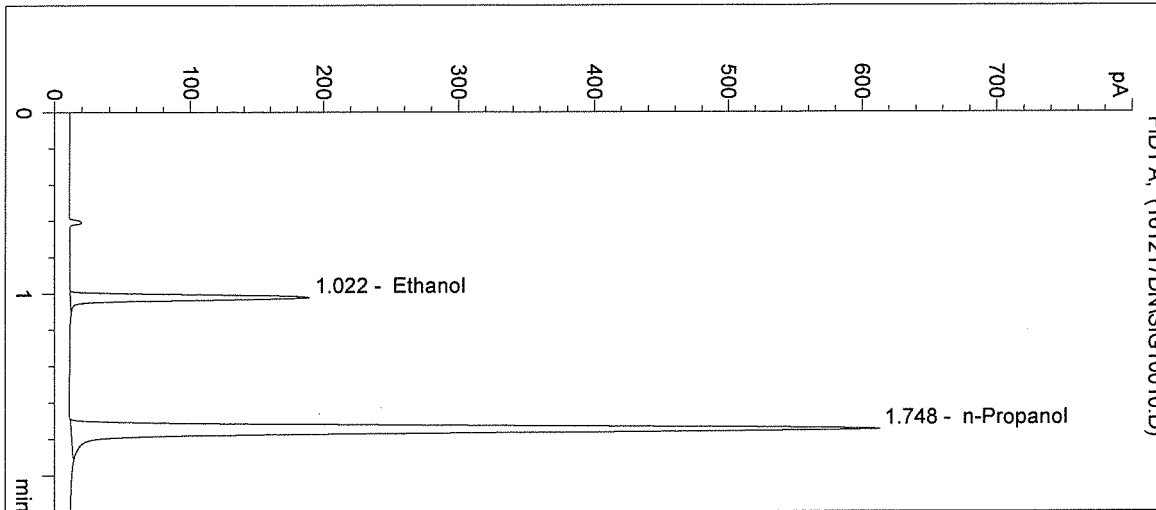
Operator: David Nguyen

Column: DB-ALC2

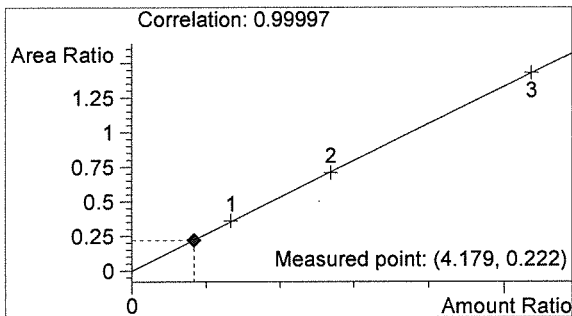
Location: Vial 10

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

Sample Info:

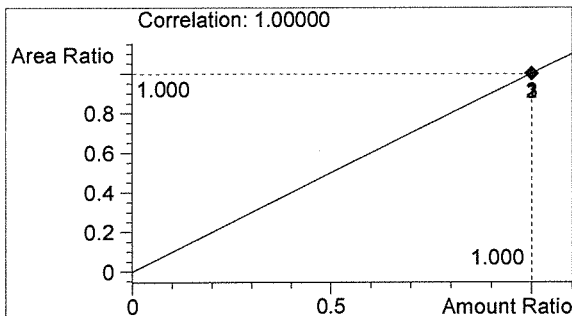


#	Compound	Peak Area	RT (min)
1	Ethanol	359	1.022
2	n-Propanol	1616	1.748



Ethanol 0.050 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*DN*

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

Inj. Date: 12/17/2016 11:19:42 AM

Sample Name: 16053 #2

Instrument: HSGC#3

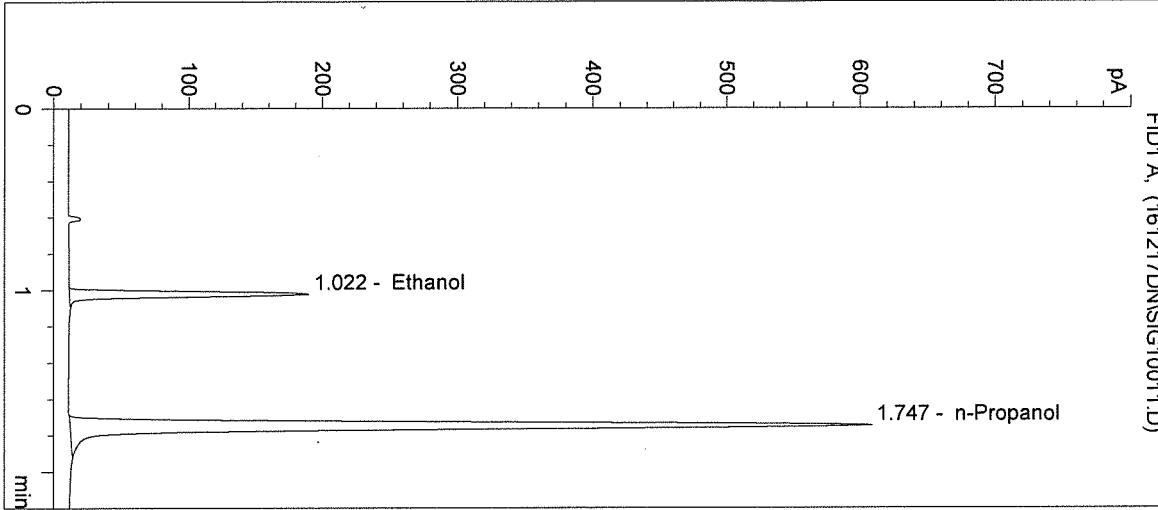
Operator: David Nguyen

Column: DB-ALC2

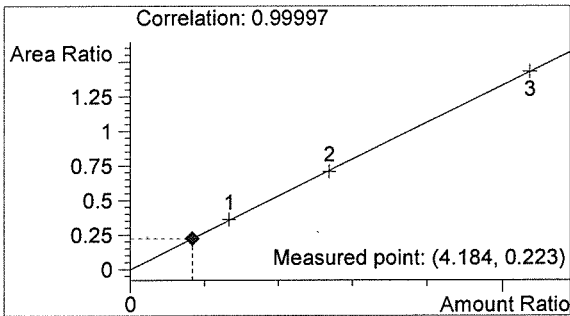
Location: Vial 11

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

Sample Info:

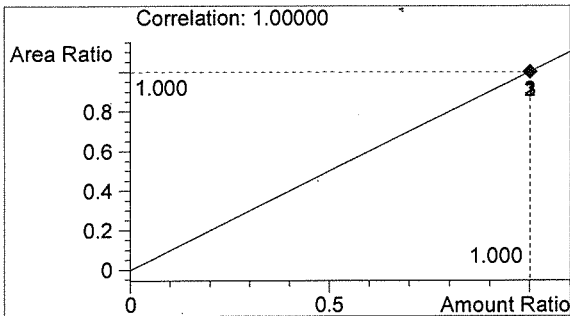


#	Compound	Peak Area	RT (min)
1	Ethanol	357	1.022
2	n-Propanol	1602	1.747



Ethanol 0.050 g/100mL

*BW*



n-Propanol 0.012 g/100mL

*DN*

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

Inj. Date: 12/17/2016 11:22:56 AM

Sample Name: 16053 #3

Instrument: HSGC#3

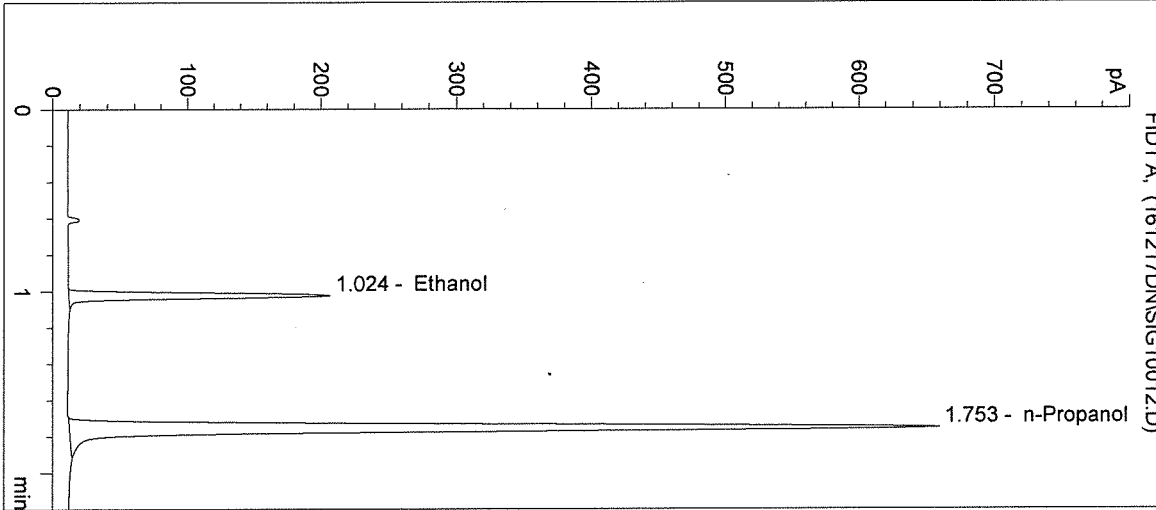
Operator: David Nguyen

Column: DB-ALC2

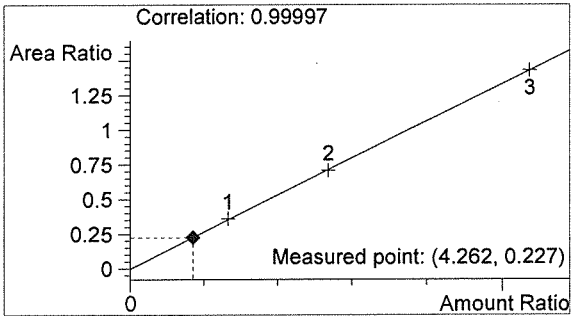
Location: Vial 12

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

Sample Info:

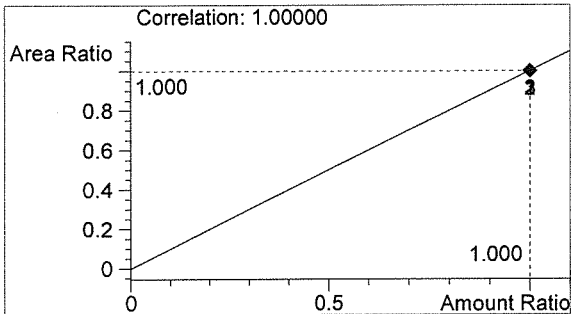


#	Compound	Peak Area	RT (min)
1	Ethanol	396	1.024
2	n-Propanol	1746	1.753



Ethanol 0.051 g/100mL

*AWO*



n-Propanol 0.012 g/100mL

*DN*



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

Inj. Date: 12/17/2016 11:26:09 AM

Sample Name: 16053 #4

Instrument: HSGC#3

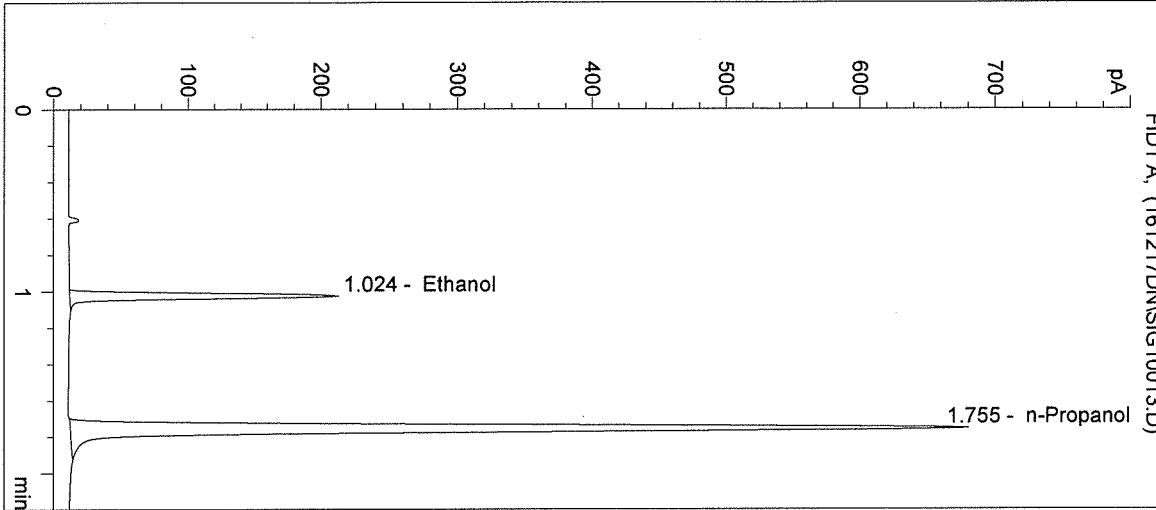
Operator: David Nguyen

Column: DB-ALC2

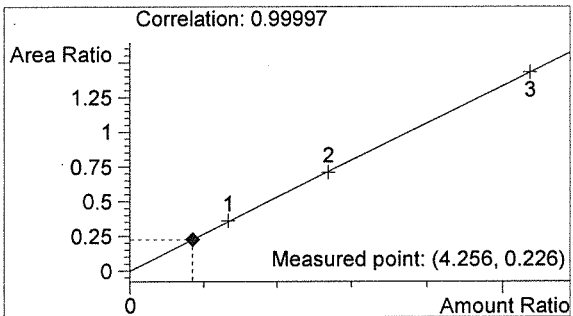
Location: Vial 13

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

Sample Info:

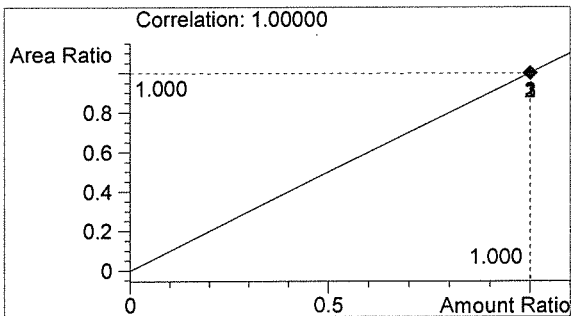


#	Compound	Peak Area	RT (min)
1	Ethanol	406	1.024
2	n-Propanol	1795	1.755



Ethanol 0.051 g/100mL

*BW*



n-Propanol 0.012 g/100mL

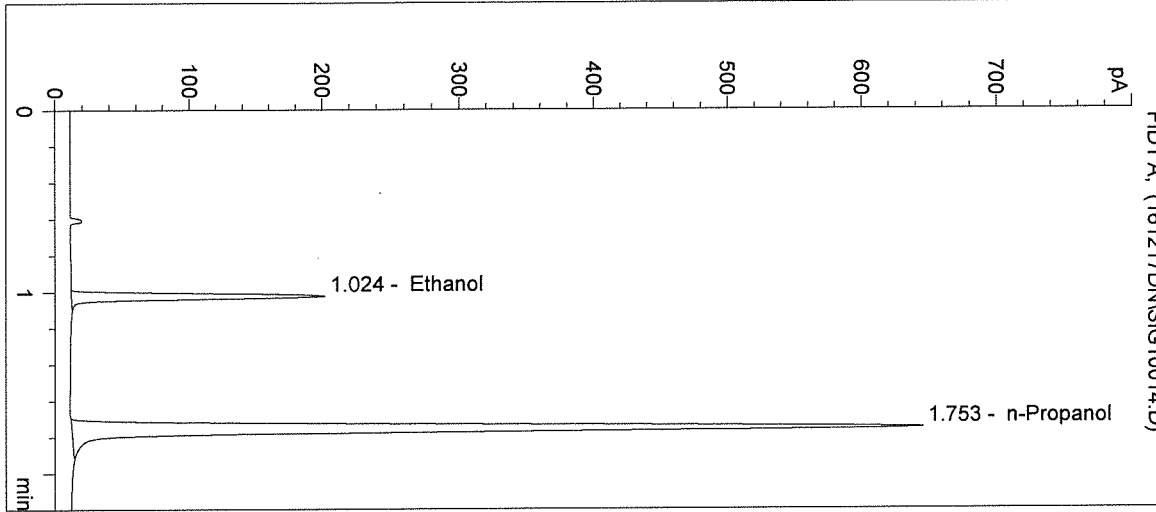
*DN*

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

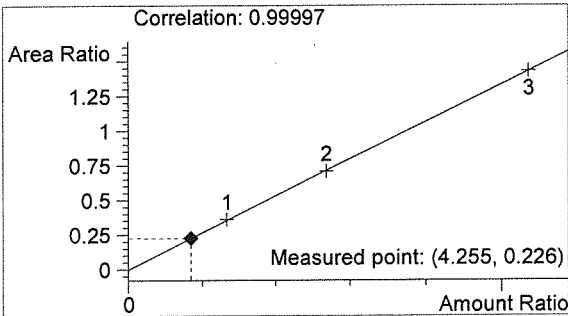
Inj. Date: 12/17/2016 11:29:21 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: 16053 #5  
 Operator: David Nguyen  
 Location: Vial 14

Sample Info:

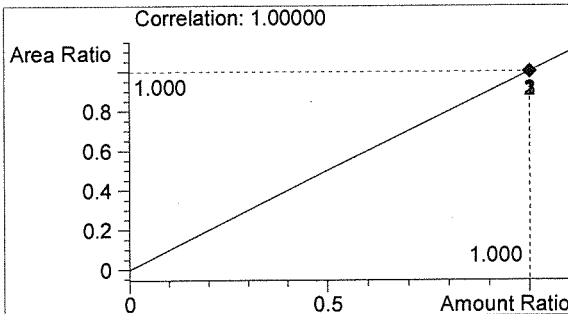


#	Compound	Peak Area	RT (min)
1	Ethanol	387	1.024
2	n-Propanol	1709	1.753



Ethanol 0.051 g/100mL

*BW*



n-Propanol 0.012 g/100mL

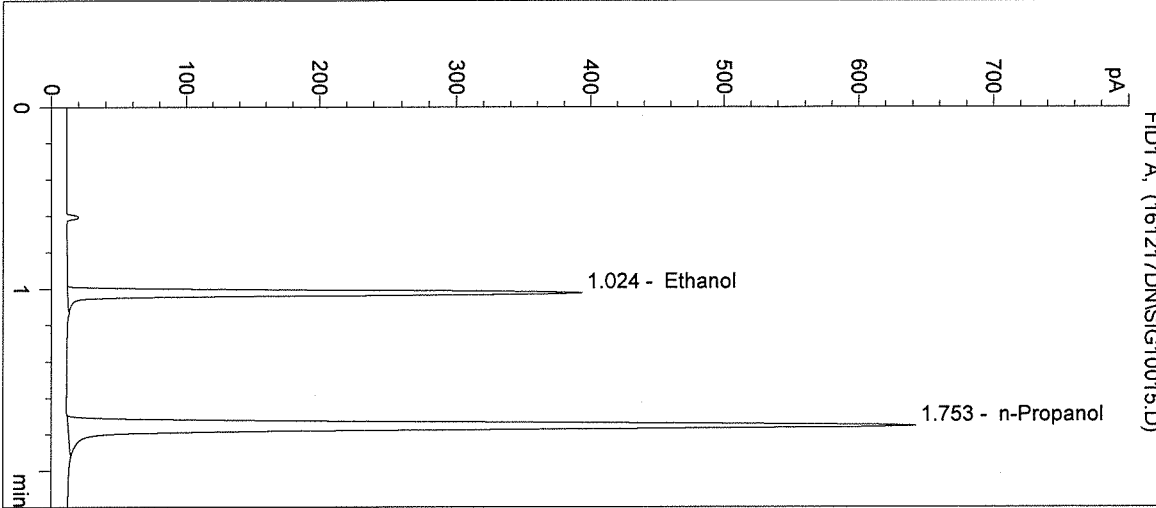
*DN*

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

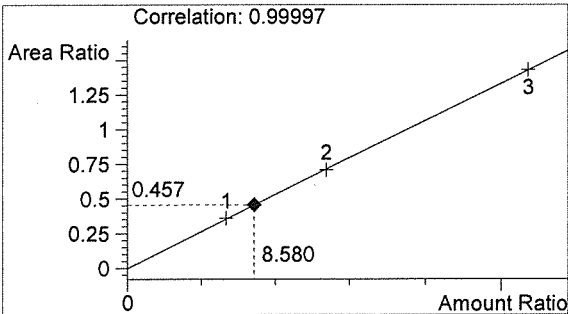
Inj. Date: 12/17/2016 11:32:34 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 16053

Sample Name: POS CTRL (0.10)  
 Operator: David Nguyen  
 Location: Vial 15

->

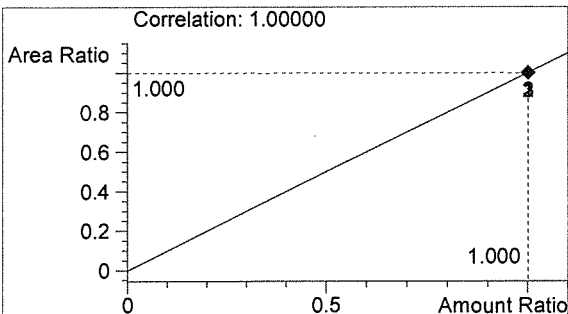


#	Compound	Peak Area	RT (min)
1	Ethanol	774	1.024
2	n-Propanol	1695	1.753



Ethanol 0.103 g/100mL

*ALD*



n-Propanol 0.012 g/100mL

*DN*

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

Inj. Date: 12/17/2016 11:35:47 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

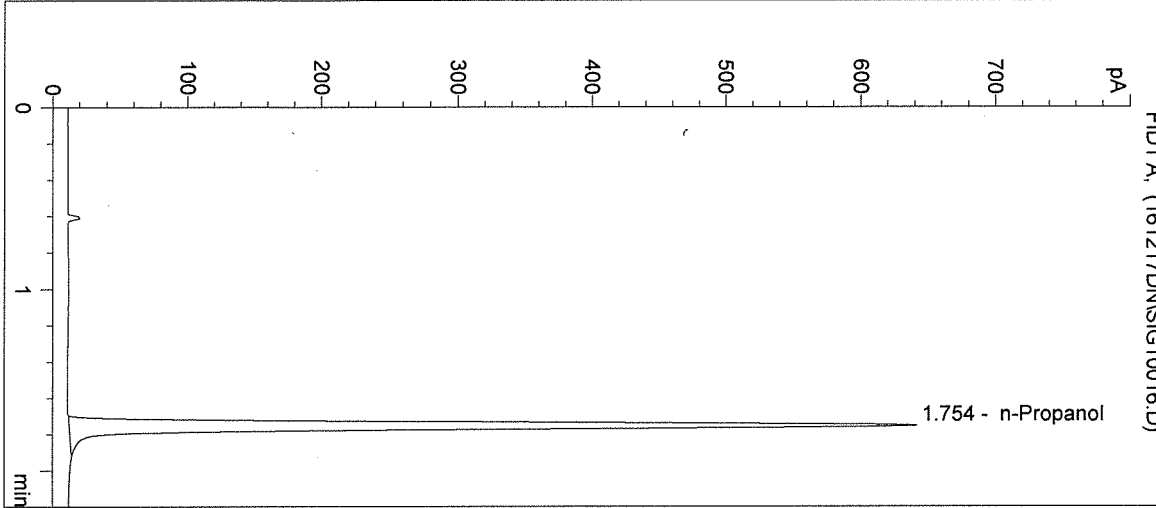
Operator: David Nguyen

Column: DB-ALC2

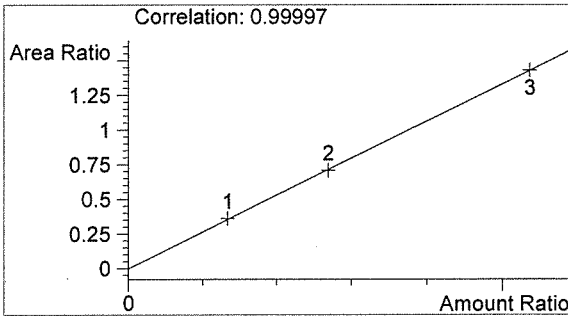
Location: Vial 16

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

Sample Info: 16053

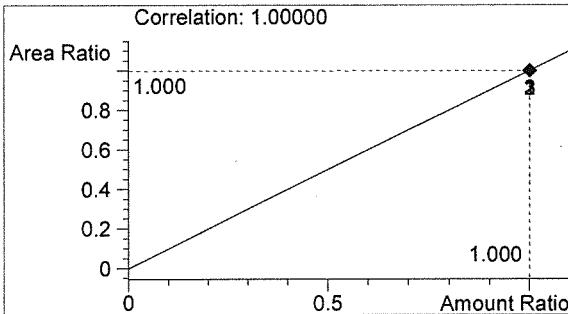


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1700	1.754



Ethanol 0.000 g/100mL

*DN*



n-Propanol 0.012 g/100mL

*DN*

Sequence Parameters:

Operator: Amanda Chandler  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\2\DATA\  
 Data Subdirectory: 161217AC  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0916-01 - X: 03/15/17  
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - X: 03/15/17  
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - X: 03/15/17

CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020  
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018  
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021

n-Propanol ISTD - Lot: P1116 - X: 02/23/17

Calibration vials 1-9 filed with 16053.

16053

Buo 1.10.17

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16053 #1	SIMALC3	1	Sample		
11	Vial 11	16053 #2	SIMALC3	1	Sample		
12	Vial 12	16053 #3	SIMALC3	1	Sample		
13	Vial 13	16053 #4	SIMALC3	1	Sample		
14	Vial 14	16053 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16054 #1	SIMALC3	1	Sample		
18	Vial 18	16054 #2	SIMALC3	1	Sample		
19	Vial 19	16054 #3	SIMALC3	1	Sample		
20	Vial 20	16054 #4	SIMALC3	1	Sample		
21	Vial 21	16054 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16055 #1	SIMALC3	1	Sample		

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16055 #2	SIMALC3	1	Sample		
26	Vial 26	16055 #3	SIMALC3	1	Sample		
27	Vial 27	16055 #4	SIMALC3	1	Sample		
28	Vial 28	16055 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16056 #1	SIMALC3	1	Sample		
32	Vial 32	16056 #2	SIMALC3	1	Sample		
33	Vial 33	16056 #3	SIMALC3	1	Sample		
34	Vial 34	16056 #4	SIMALC3	1	Sample		
35	Vial 35	16056 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	16057 #1	SIMALC3	1	Sample		
39	Vial 39	16057 #2	SIMALC3	1	Sample		
40	Vial 40	16057 #3	SIMALC3	1	Sample		
41	Vial 41	16057 #4	SIMALC3	1	Sample		
42	Vial 42	16057 #5	SIMALC3	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

16053  
BWD 1-10-17

AR

=====  
 Calibration Table  
 =====

Calib. Data Modified : Saturday, December 17, 2016 1:54:32 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

16053  
 BuO 1-10-17

Sample ISTD Information:

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

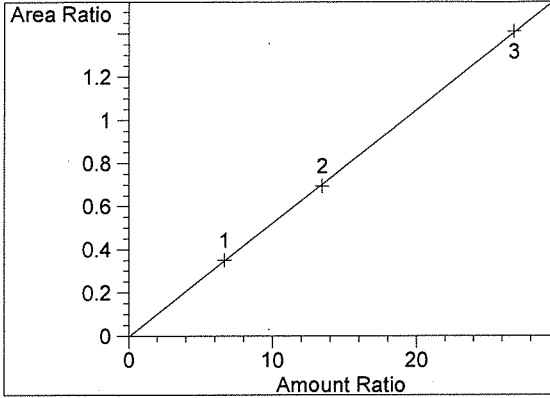
Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.024	1 1	8.00100e-2	576.63989	1.38752e-4	1 Ethanol
		2 1.61200e-1	1238.48718	1.30159e-4	
		3 3.21790e-1	2399.95801	1.34082e-4	
1.752	1 1	1.20000e-2	1652.14636	7.26328e-6	I1 n-Propanol
		2 1.20000e-2	1785.60510	6.72041e-6	
		3 1.20000e-2	1701.87195	7.05106e-6	

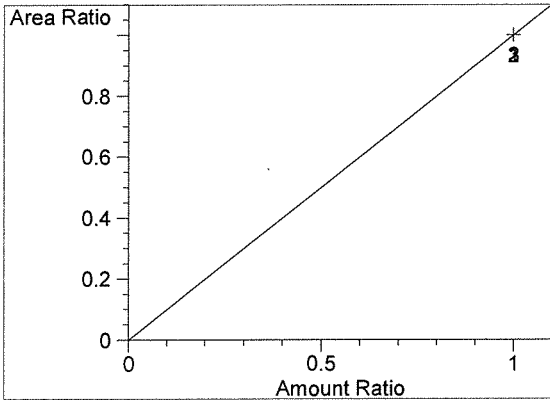
=====  
 Peak Sum Table  
 =====

\*\*\*No Entries in table\*\*\*  
 =====

=====  
Calibration Curves  
=====



Ethanol at exp. RT: 1.024  
FID1 A,  
Correlation: 0.99995  
Residual Std. Dev.: 0.00757  
Formula:  $y = mx + b$   
m: 5.25529e-2  
b: -3.20032e-3  
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 1.752  
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

=====  
  
16053  
Rev 1-10-17

A



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

Inj. Date: 12/17/2016 1:42:28 PM

Sample Name: BLANK

Instrument: HSGC#3

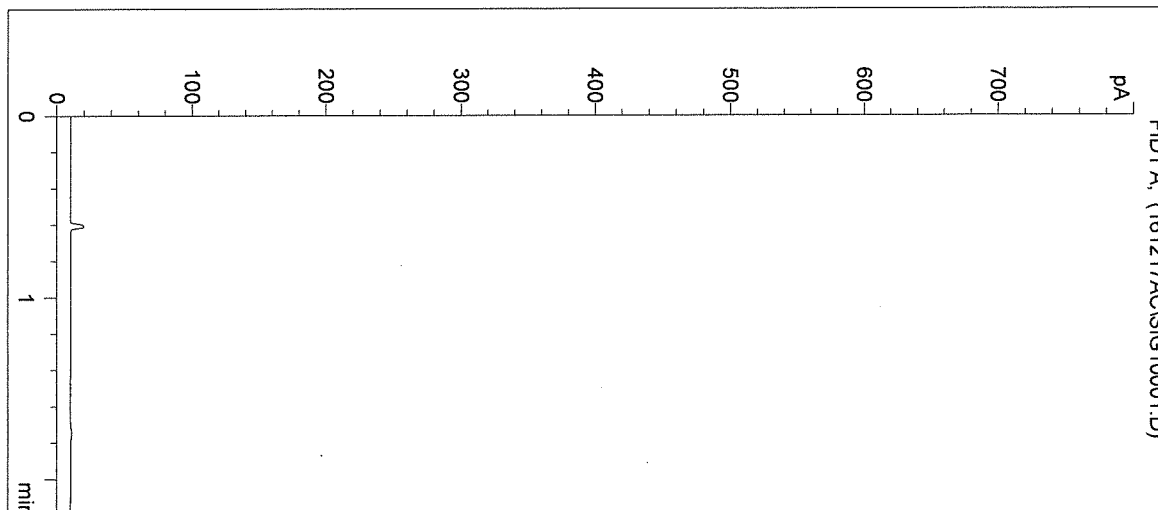
Operator: Amanda Chandler

Column: DB-ALC2

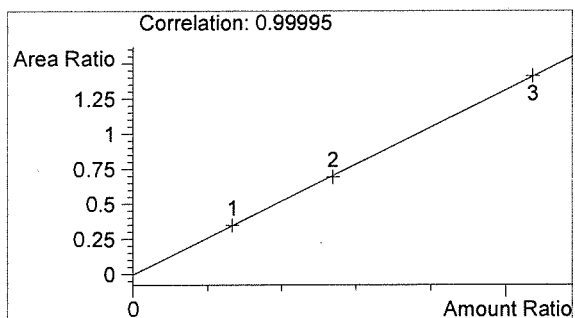
Location: Vial 1

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

Sample Info: 16053

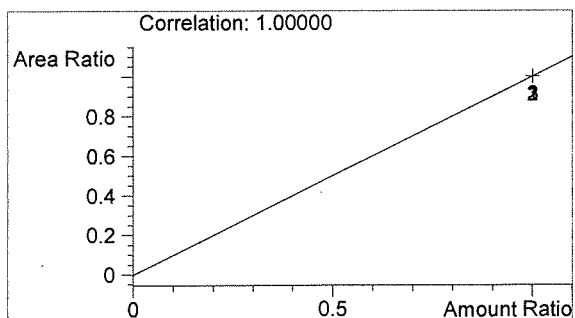


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

*AW*



n-Propanol 0.000 g/100mL

*AW*

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

Inj. Date: 12/17/2016 1:45:46 PM

Sample Name: CAL 1 (0.079)

Instrument: HSGC#3

Operator: Amanda Chandler

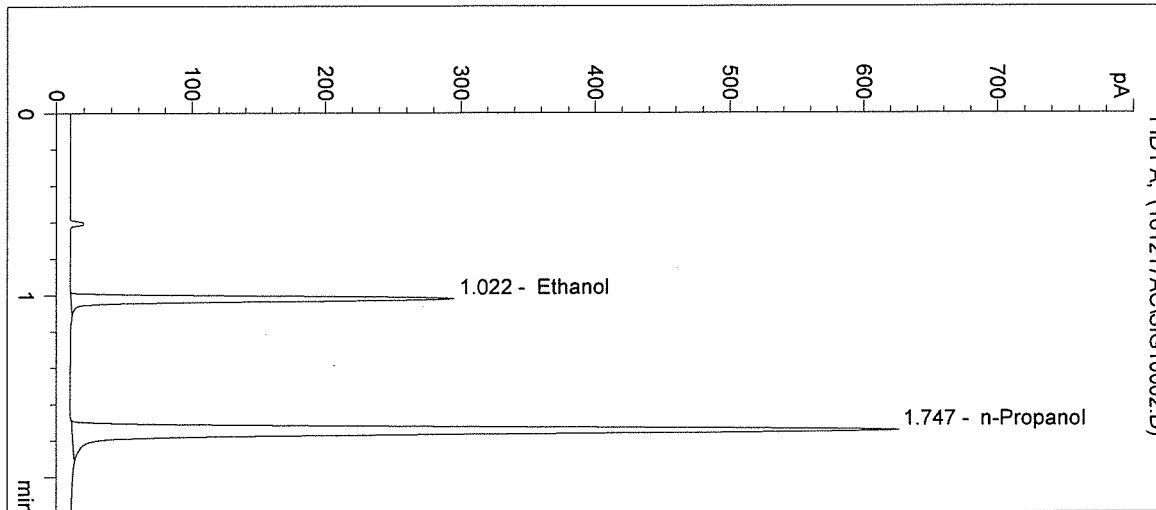
Column: DB-ALC2

Location: Vial 2

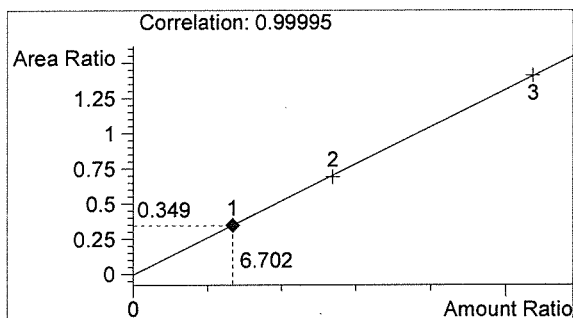
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 1: 0.079 g/100mL  
 16053

->

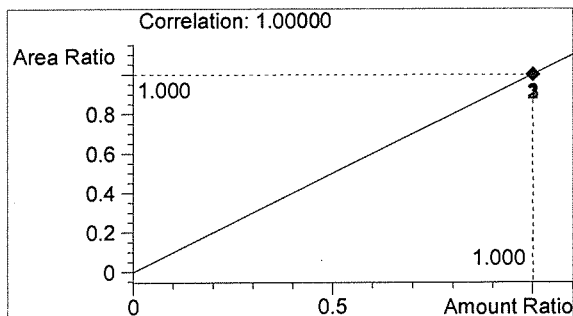


#	Compound	Peak Area	RT (min)
1	Ethanol	577	1.022
2	n-Propanol	1652	1.747



Ethanol 0.080 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*AR*

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

Inj. Date: 12/17/2016 1:49:03 PM

Sample Name: CAL 2 (0.158)

Instrument: HSGC#3

Operator: Amanda Chandler

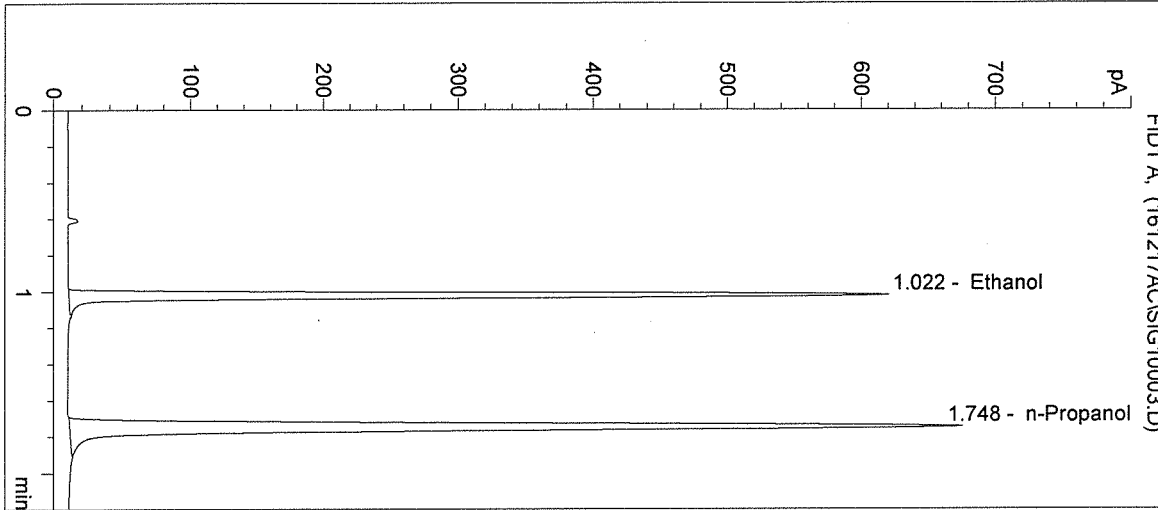
Column: DB-ALC2

Location: Vial 3

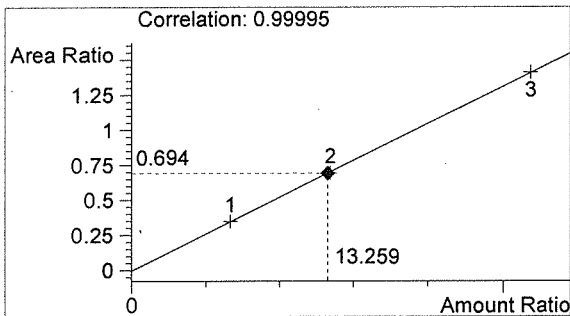
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 2: 0.158 g/100mL  
 16053

->

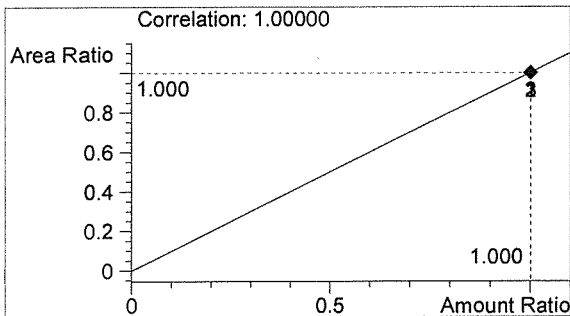


#	Compound	Peak Area	RT (min)
1	Ethanol	1238	1.022
2	n-Propanol	1786	1.748



Ethanol 0.159 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

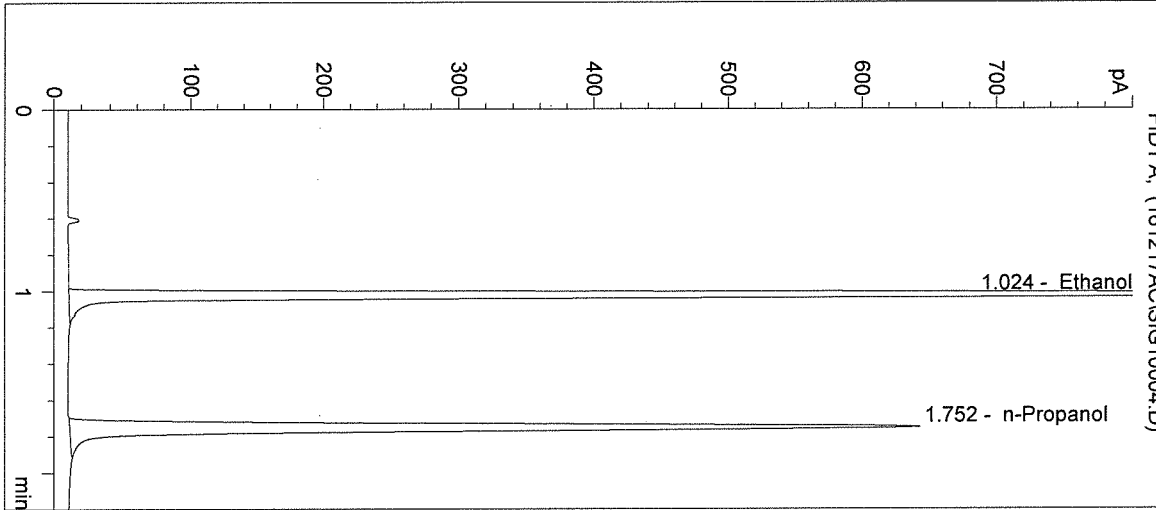
*AR*

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

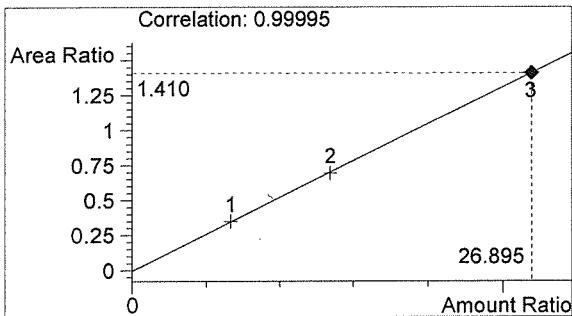
Inj. Date: 12/17/2016 1:52:20 PM  
Instrument: HSGC#3  
Column: DB-ALC2  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: CAL 3: 0.316 g/100mL  
16053

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

->

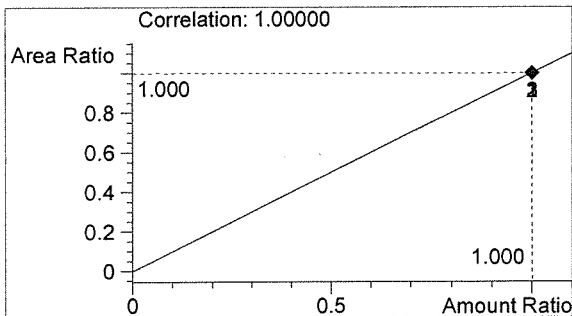


#	Compound	Peak Area	RT (min)
1	Ethanol	2400	1.024
2	n-Propanol	1702	1.752



Ethanol 0.323 g/100mL

*BWO*



n-Propanol 0.012 g/100mL

*AC*

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

Inj. Date: 12/17/2016 1:55:34 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

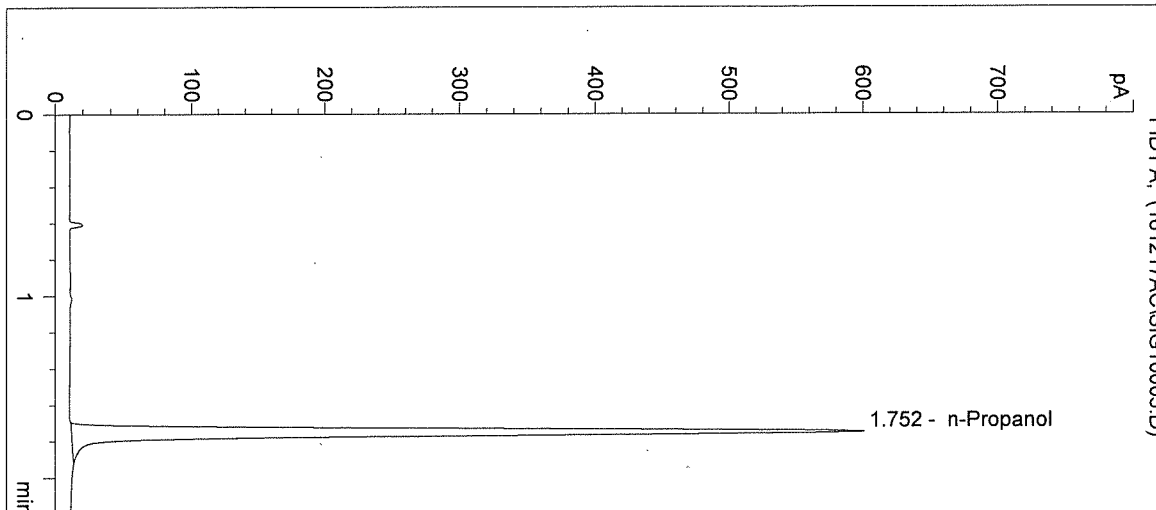
Operator: Amanda Chandler

Column: DB-ALC2

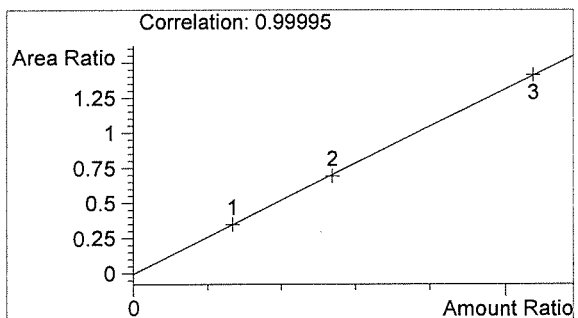
Location: Vial 5

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

Sample Info: 16053

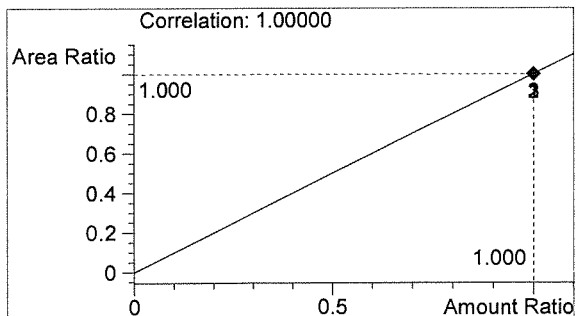


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1589	1.752



Ethanol 0.000 g/100mL

*Buo*



n-Propanol 0.012 g/100mL

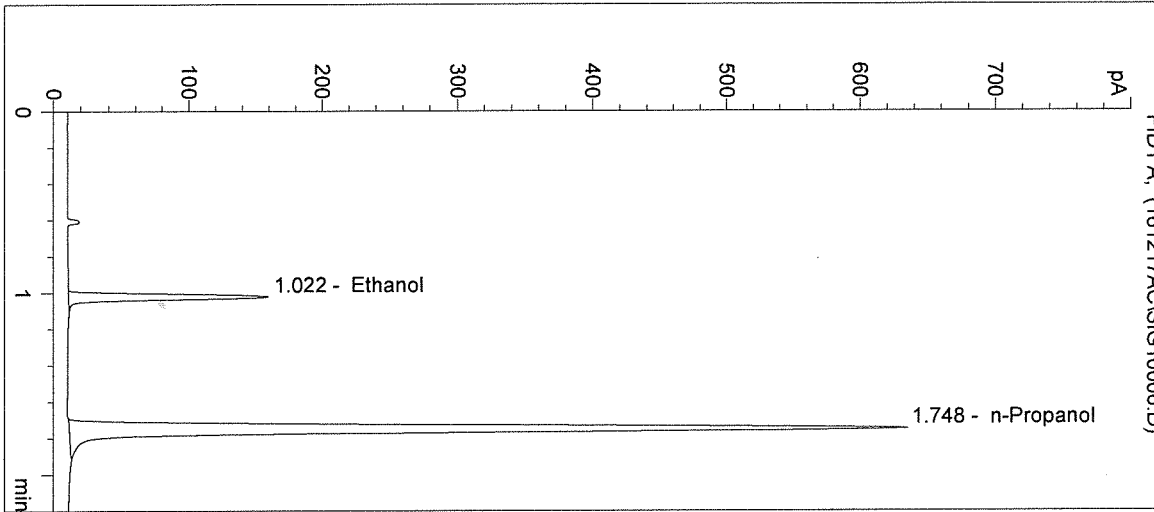
*AR*

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

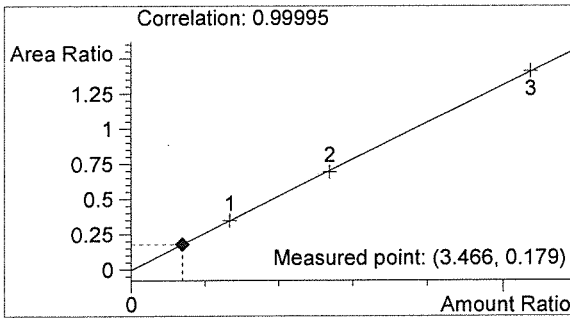
Inj. Date: 12/17/2016 1:58:47 PM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 1: 0.04 g/100mL  
 16053

Sample Name: CTRL 1 (0.04)  
 Operator: Amanda Chandler  
 Location: Vial 6

->

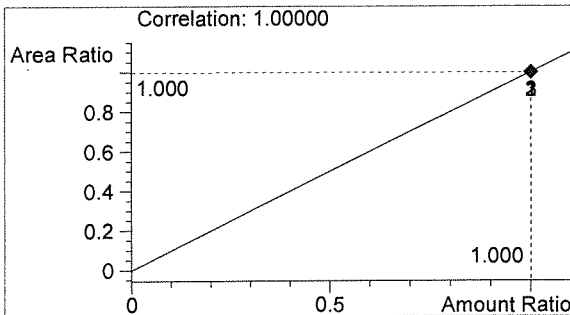


#	Compound	Peak Area	RT (min)
1	Ethanol	299	1.022
2	n-Propanol	1673	1.748



Ethanol 0.042 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

*AR*

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

Inj. Date: 12/17/2016 2:02:00 PM

Sample Name: CTRL 2 (0.10)

Instrument: HSGC#3

Operator: Amanda Chandler

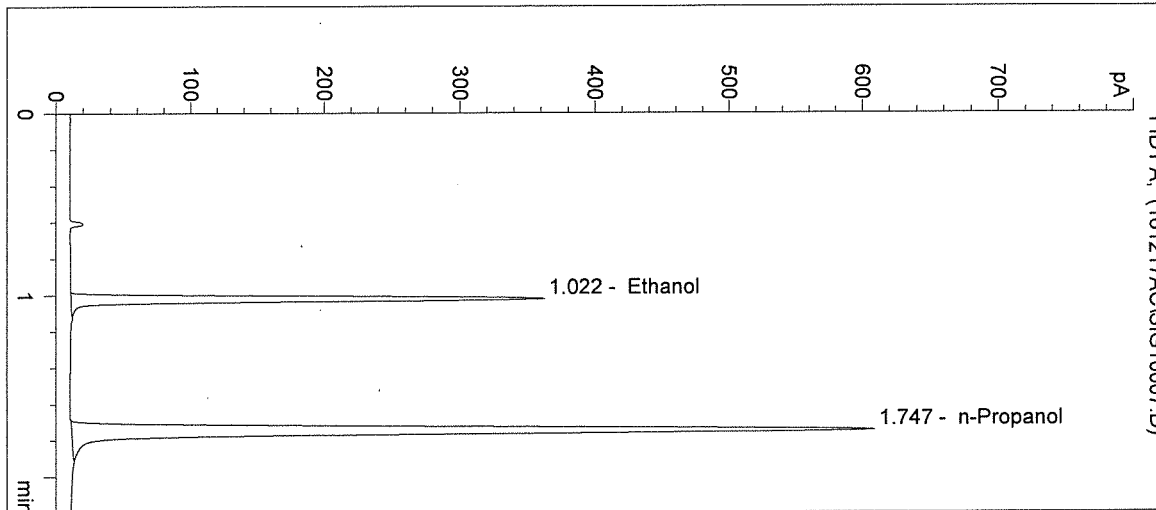
Column: DB-ALC2

Location: Vial 7

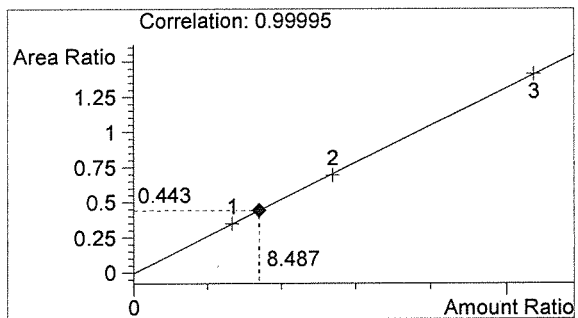
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CTRL 2: 0.10 g/100mL  
 16053

->

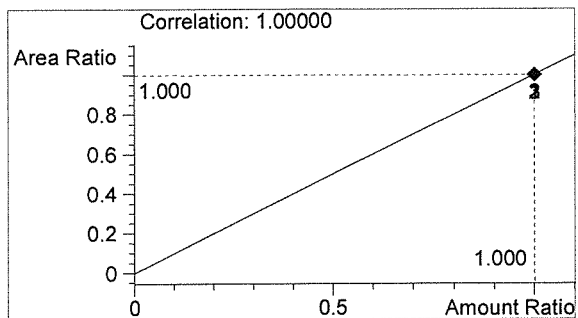


#	Compound	Peak Area	RT (min)
1	Ethanol	709	1.022
2	n-Propanol	1601	1.747



Ethanol 0.102 g/100mL

*BLD*



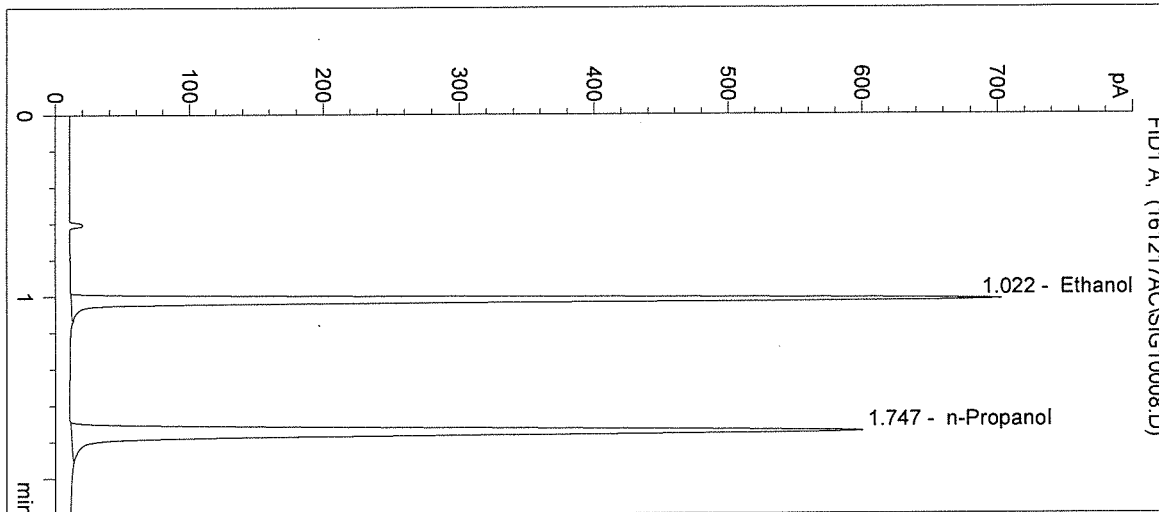
n-Propanol 0.012 g/100mL

*AR*

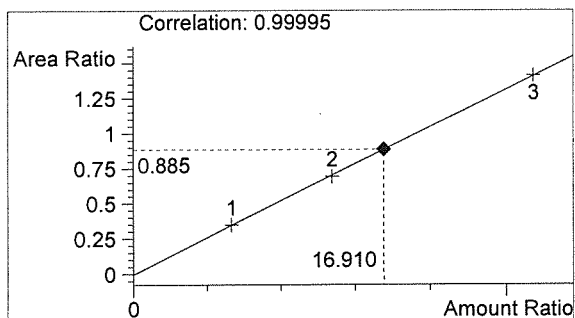
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/17/2016 2:05:14 PM      Sample Name: CTRL 3 (0.20)  
 Instrument: HSGC#3      Operator: Amanda Chandler  
 Column: DB-ALC2      Location: Vial 8  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 3: 0.20 g/100mL  
 16053

->

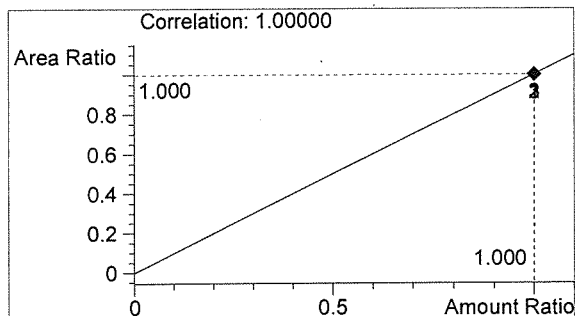


#	Compound	Peak Area	RT (min)
1	Ethanol	1400	1.022
2	n-Propanol	1582	1.747



Ethanol      0.203 g/100mL

*BEO*



n-Propanol      0.012 g/100mL

*AC*



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

Inj. Date: 12/17/2016 2:08:27 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

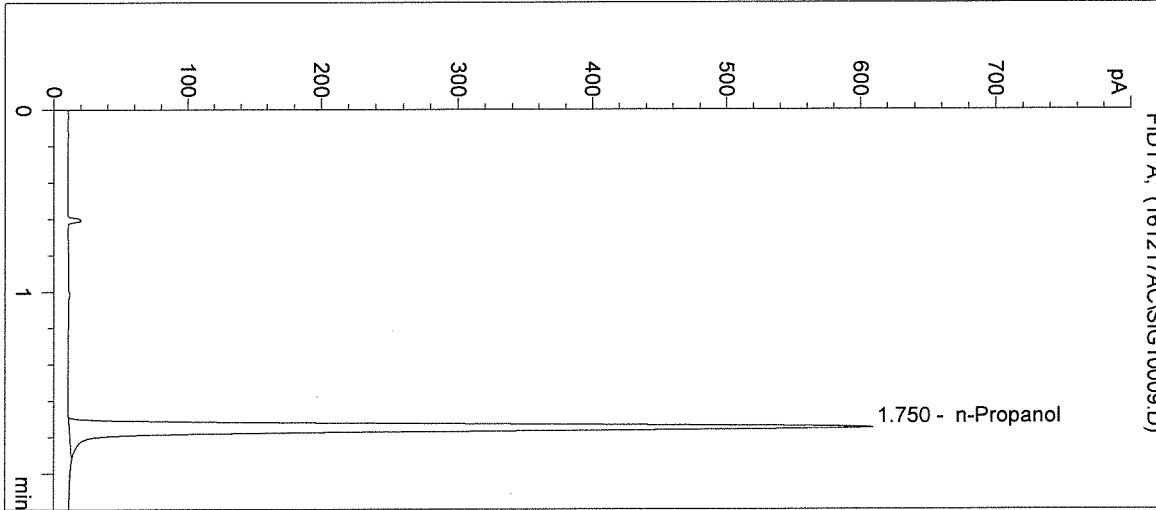
Operator: Amanda Chandler

Column: DB-ALC2

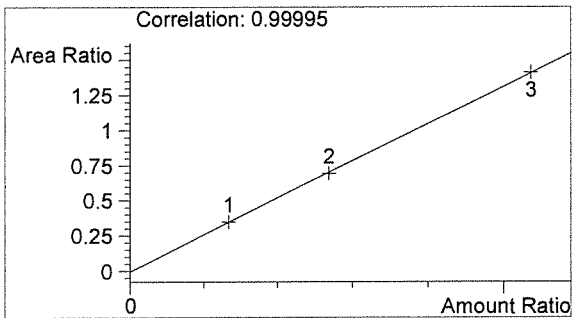
Location: Vial 9

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

Sample Info: 16053

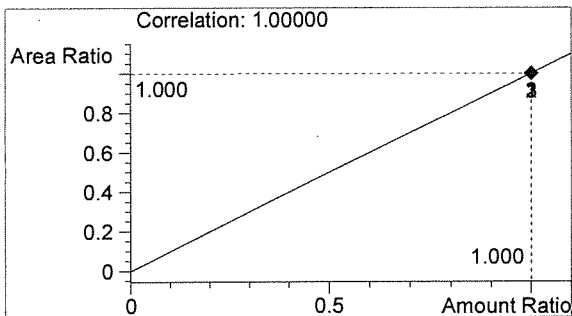


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1607	1.750



Ethanol 0.000 g/100mL

*BWD*



n-Propanol 0.012 g/100mL

*AR*

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

Inj. Date: 12/17/2016 2:11:40 PM

Sample Name: 16053 #1

Instrument: HSGC#3

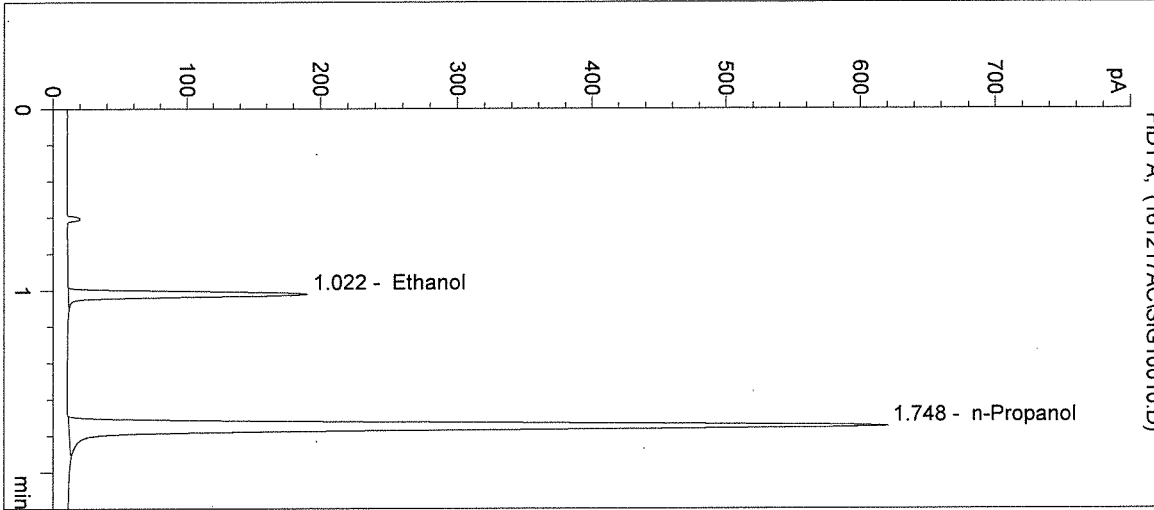
Operator: Amanda Chandler

Column: DB-ALC2

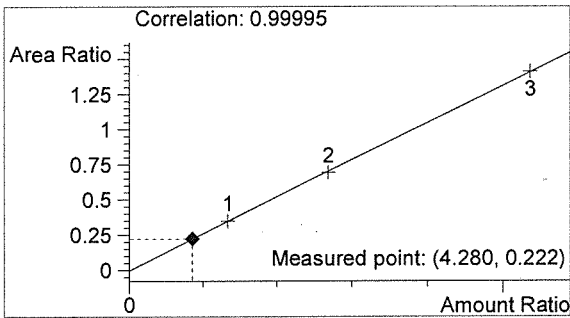
Location: Vial 10

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

Sample Info:

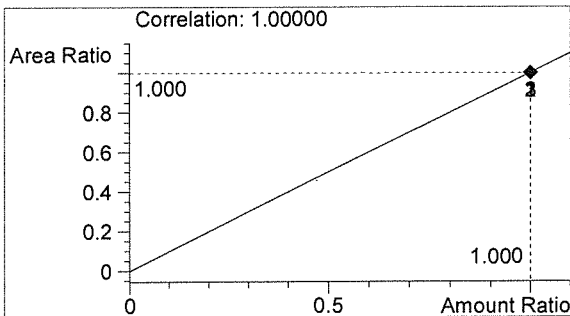


#	Compound	Peak Area	RT (min)
1	Ethanol	363	1.022
2	n-Propanol	1637	1.748



Ethanol 0.051 g/100mL

*BW*



n-Propanol 0.012 g/100mL

*AR*

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

Inj. Date: 12/17/2016 2:14:53 PM

Sample Name: 16053 #2

Instrument: HSGC#3

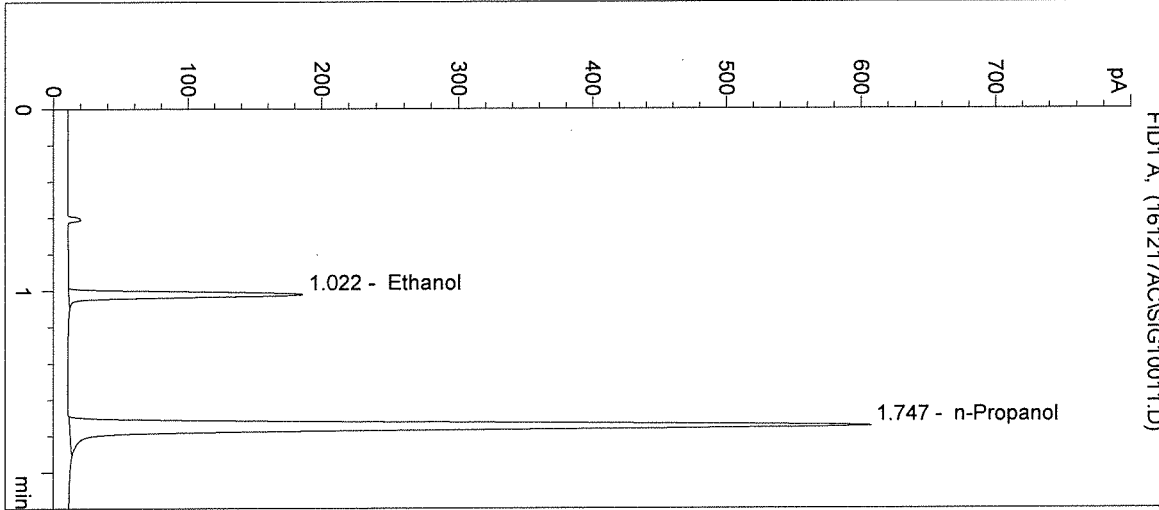
Operator: Amanda Chandler

Column: DB-ALC2

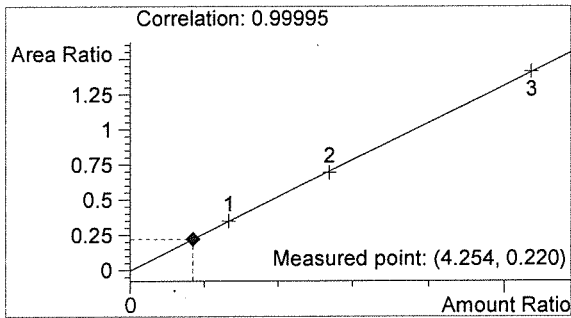
Location: Vial 11

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

Sample Info:

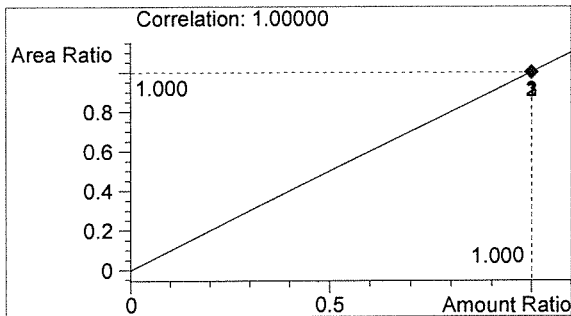


#	Compound	Peak Area	RT (min)
1	Ethanol	353	1.022
2	n-Propanol	1601	1.747



Ethanol 0.051 g/100mL

*AWO*



n-Propanol 0.012 g/100mL

*A*

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

Inj. Date: 12/17/2016 2:18:07 PM

Sample Name: 16053 #3

Instrument: HSGC#3

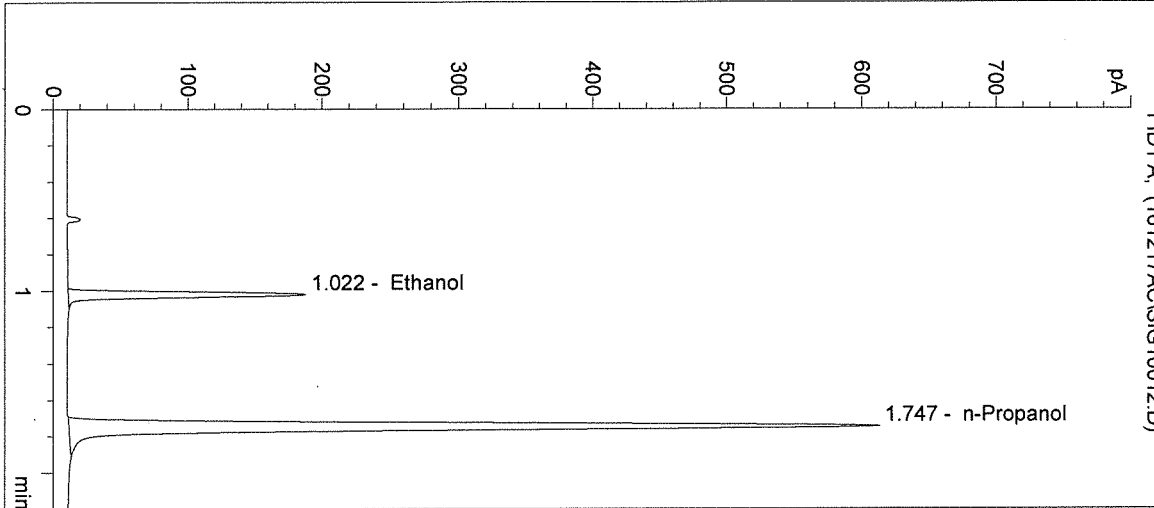
Operator: Amanda Chandler

Column: DB-ALC2

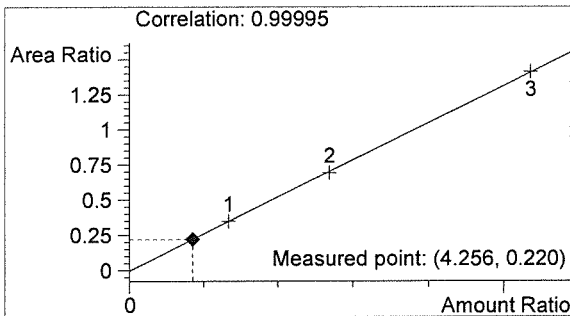
Location: Vial 12

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

Sample Info:

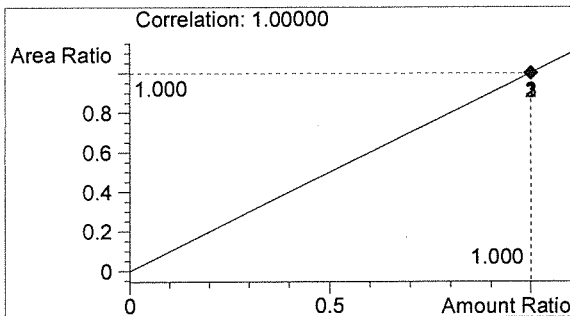


#	Compound	Peak Area	RT (min)
1	Ethanol	356	1.022
2	n-Propanol	1615	1.747



Ethanol 0.051 g/100mL

*AWO*

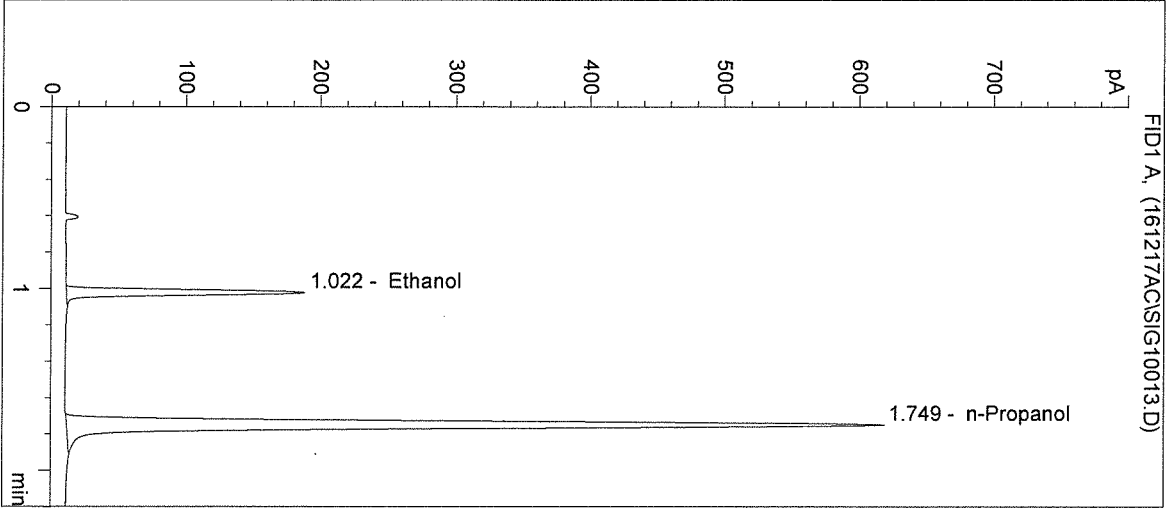


n-Propanol 0.012 g/100mL

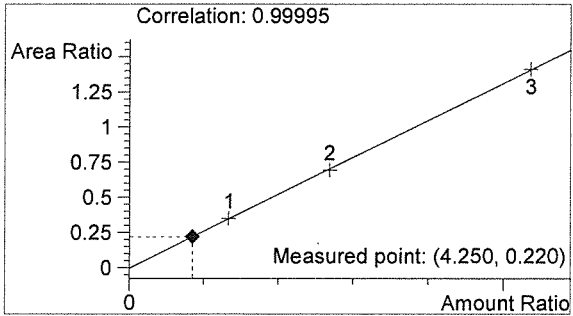
*AW*

Inj. Date: 12/17/2016 2:21:20 PM      Sample Name: 16053 #4  
 Instrument: HSGC#3      Operator: Amanda Chandler  
 Column: DB-ALC2      Location: Vial 13  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info:

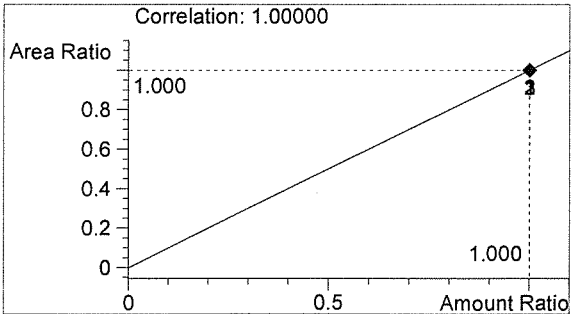


#	Compound	Peak Area	RT (min)
1	Ethanol	360	1.022
2	n-Propanol	1633	1.749



Ethanol      0.051 g/100mL

*AWD*



n-Propanol      0.012 g/100mL

*AR*

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

Inj. Date: 12/17/2016 2:24:33 PM

Sample Name: 16053 #5

Instrument: HSGC#3

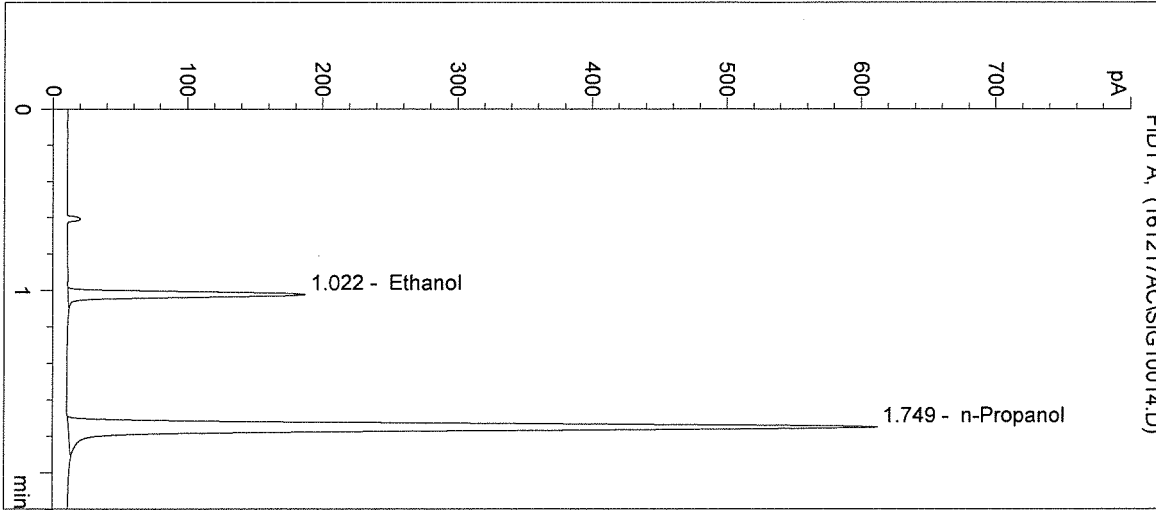
Operator: Amanda Chandler

Column: DB-ALC2

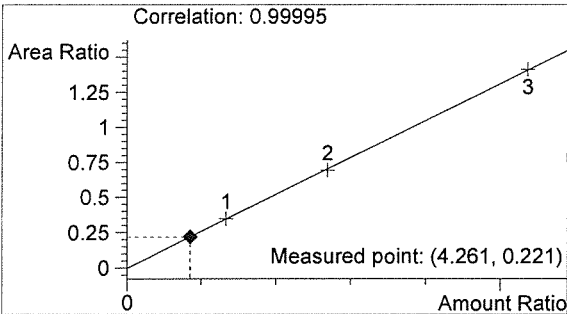
Location: Vial 14

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

Sample Info:

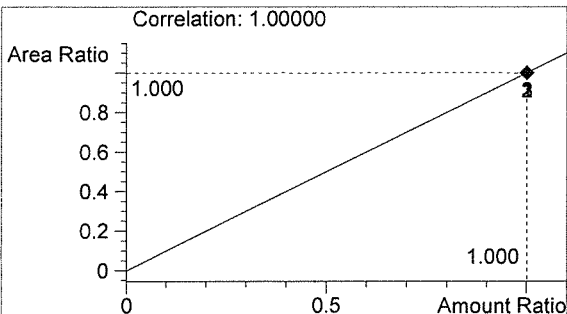


#	Compound	Peak Area	RT (min)
1	Ethanol	357	1.022
2	n-Propanol	1619	1.749



Ethanol 0.051 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

*AR*

Inj. Date: 12/17/2016 2:27:46 PM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#3

Operator: Amanda Chandler

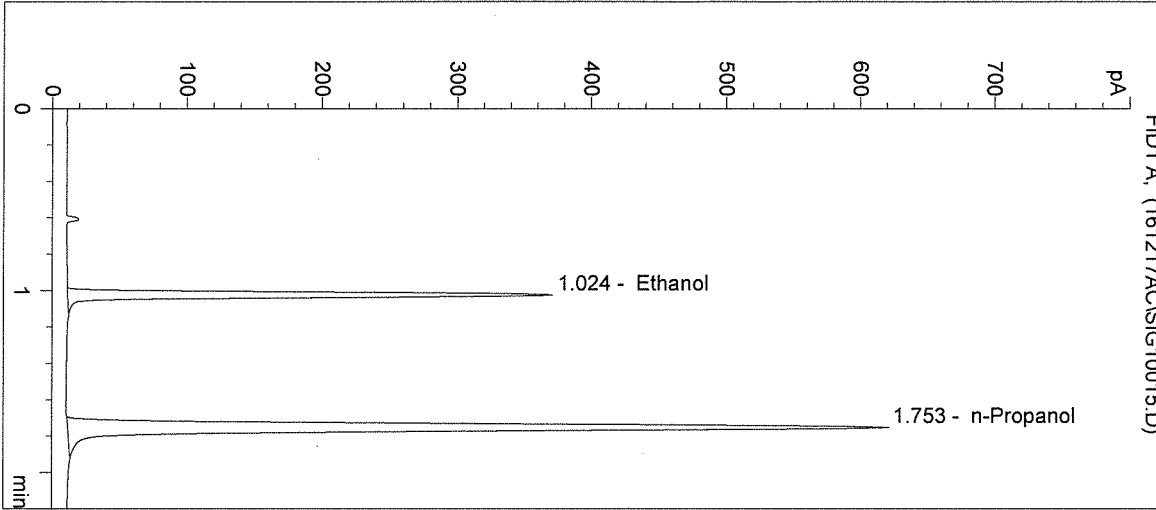
Column: DB-ALC2

Location: Vial 15

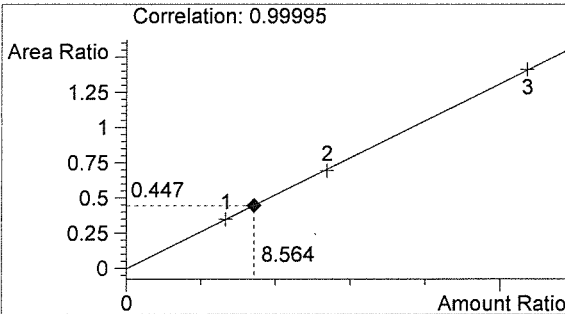
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: POS CTRL: 0.10 g/100mL  
 16053

->

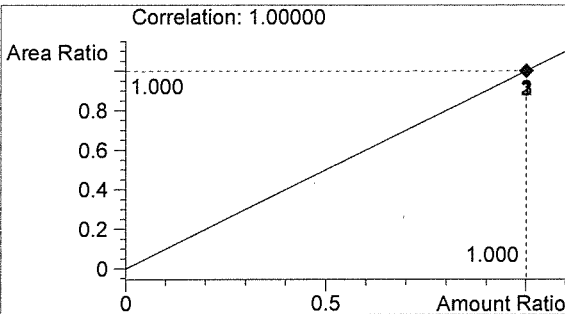


#	Compound	Peak Area	RT (min)
1	Ethanol	733	1.024
2	n-Propanol	1641	1.753



Ethanol 0.103 g/100mL

*AWD*

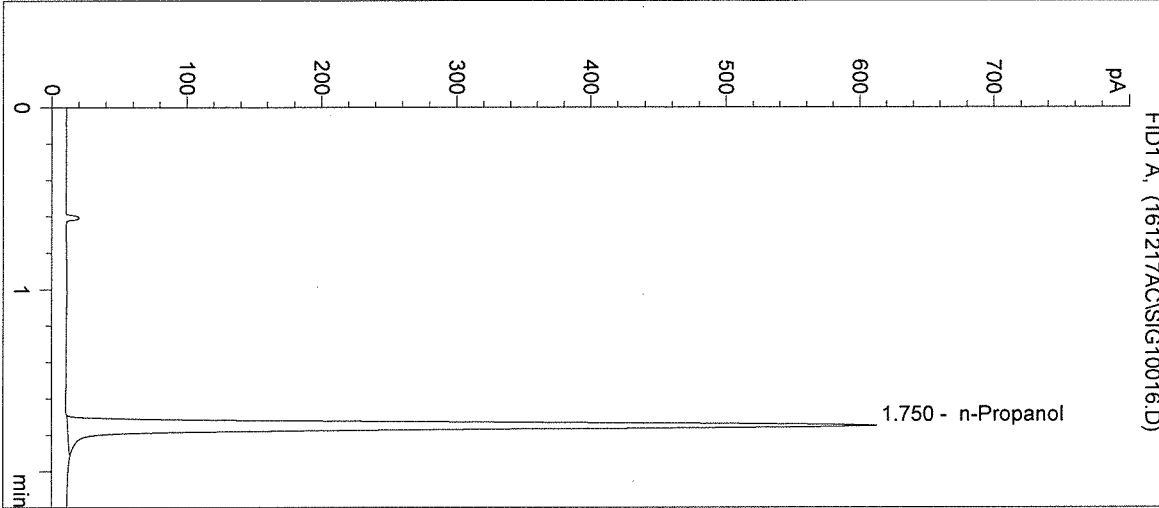


n-Propanol 0.012 g/100mL

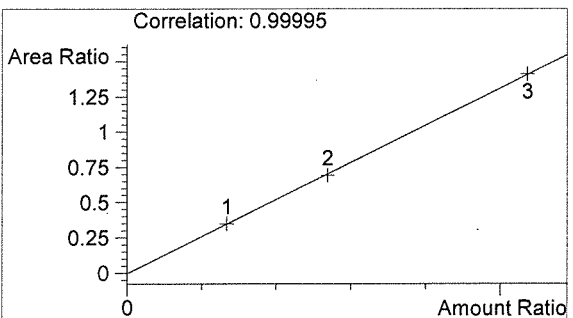
*A*

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

Inj. Date: 12/17/2016 2:31:00 PM      Sample Name: NEG CTRL  
Instrument: HSGC#3      Operator: Amanda Chandler  
Column: DB-ALC2      Location: Vial 16  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 16053

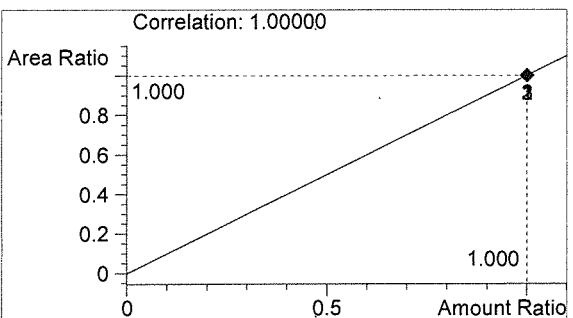


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1617	1.750



Ethanol      0.000 g/100mL

*BWD*



n-Propanol      0.012 g/100mL

*A*



Sequence Parameters:

Operator: Chris Johnston  
 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: 161221CQ  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0916-01 - X: 03/15/17  
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - X: 03/15/17  
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - X: 03/15/17  
  
 CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020  
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018  
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021  
  
 n-Propanol ISTD - Lot: P1116 - X: 02/23/17  
  
 Calibration vials 1-9 filed with 16053.

16053  
 Bu0 1-10-17

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	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		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16053 #1	SIMALC1	1	Sample		
11	Vial 11	16053 #2	SIMALC1	1	Sample		
12	Vial 12	16053 #3	SIMALC1	1	Sample		
13	Vial 13	16053 #4	SIMALC1	1	Sample		
14	Vial 14	16053 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16054 #1	SIMALC1	1	Sample		
18	Vial 18	16054 #2	SIMALC1	1	Sample		
19	Vial 19	16054 #3	SIMALC1	1	Sample		
20	Vial 20	16054 #4	SIMALC1	1	Sample		
21	Vial 21	16054 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16055 #1	SIMALC1	1	Sample		

U

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16055 #2	SIMALC1	1	Sample		
26	Vial 26	16055 #3	SIMALC1	1	Sample		
27	Vial 27	16055 #4	SIMALC1	1	Sample		
28	Vial 28	16055 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	16056 #1	SIMALC1	1	Sample		
32	Vial 32	16056 #2	SIMALC1	1	Sample		
33	Vial 33	16056 #3	SIMALC1	1	Sample		
34	Vial 34	16056 #4	SIMALC1	1	Sample		
35	Vial 35	16056 #5	SIMALC1	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	16057 #1	SIMALC1	1	Sample		
39	Vial 39	16057 #2	SIMALC1	1	Sample		
40	Vial 40	16057 #3	SIMALC1	1	Sample		
41	Vial 41	16057 #4	SIMALC1	1	Sample		
42	Vial 42	16057 #5	SIMALC1	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
44	Vial 44	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!

16053  
 Auo 1-10-17

W

=====  
Calibration Table  
=====

Calib. Data Modified : Wednesday, December 28, 2016 2:54:56 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

16053  
Rw 1-10-17

Sample ISTD Information:

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

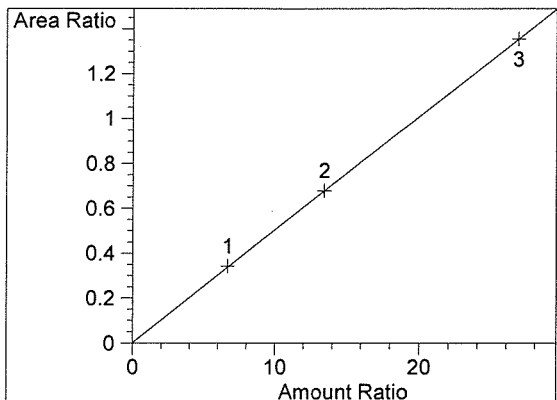
Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp Name
1.085	1 1	8.00100e-2	974.65198	8.20908e-5	1	Ethanol
		2 1.61200e-1	1934.38123	8.33341e-5		
		3 3.21790e-1	3838.03809	8.38423e-5		
1.764	1 1	1.20000e-2	2844.47876	4.21870e-6	I1	n-Propanol
		2 1.20000e-2	2850.29297	4.21009e-6		
		3 1.20000e-2	2830.83862	4.23903e-6		

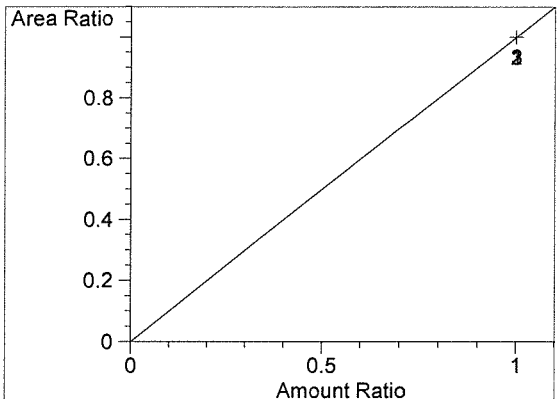
=====  
Peak Sum Table  
=====

\*\*\*No Entries in table\*\*\*  
=====

=====  
Calibration Curves  
=====



Ethanol at exp. RT: 1.085  
FID1 A,  
Correlation: 0.99999  
Residual Std. Dev.: 0.00336  
Formula:  $y = mx + b$   
m: 5.04860e-2  
b: 2.11692e-3  
x: Amount Ratio  
y: Area Ratio

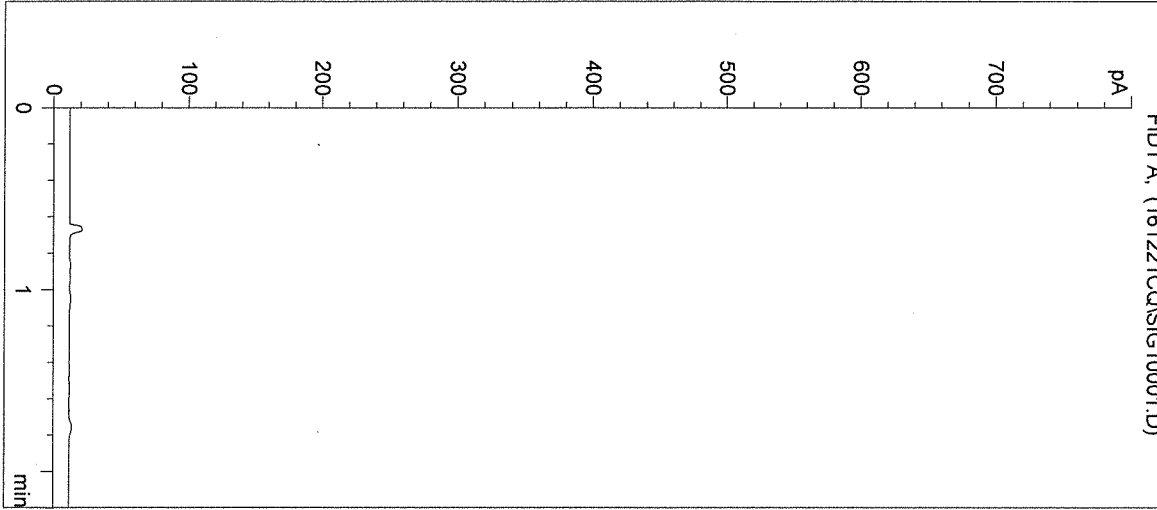


n-Propanol at exp. RT: 1.764  
FID1 A,  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx + b$   
m: 1.00000  
b: 0.00000  
x: Amount Ratio  
y: Area Ratio

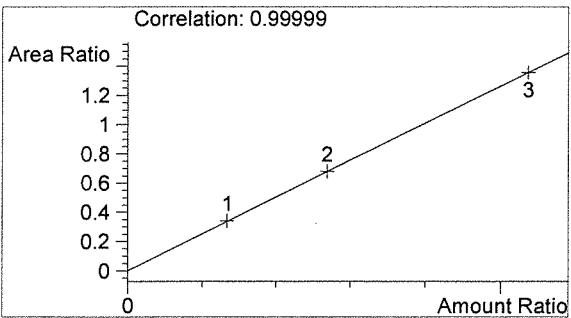
=====  
  
16053  
Buo 1-10-17

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

Inj. Date: 12/21/2016 3:44:19 PM      Sample Name: BLANK  
Instrument: HSGC#1      Operator: Chris Johnston  
Column: DB-ALC1      Location: Vial 1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16053

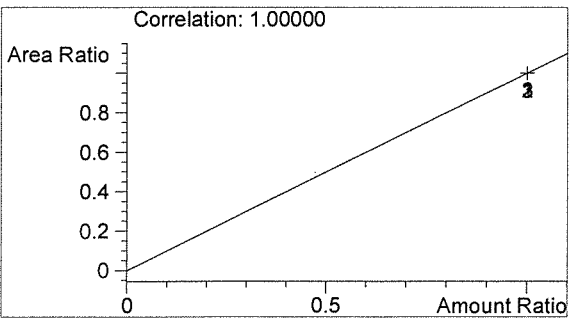


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol      0.000 g/100mL

*AW*



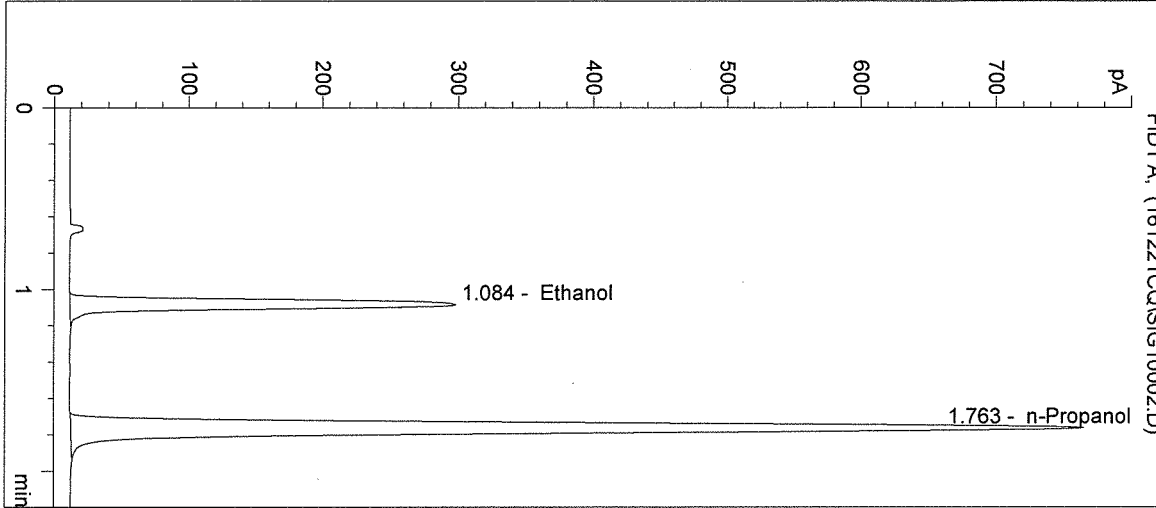
n-Propanol      0.000 g/100mL

*W*

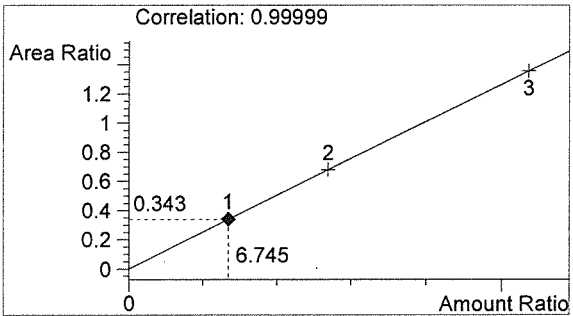
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/21/2016 3:47:36 PM      Sample Name: CAL 1 (0.079)  
 Instrument: HSGC#1      Operator: Chris Johnston  
 Column: DB-ALC1      Location: Vial 2  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: CAL 1: 0.079 g/100mL  
 16053

->

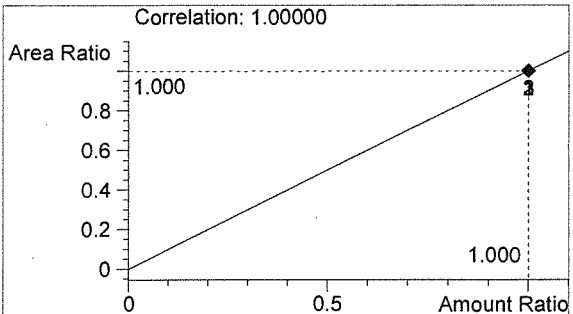


#	Compound	Peak Area	RT (min)
1	Ethanol	975	1.084
2	n-Propanol	2844	1.763



Ethanol      0.081 g/100mL

*PLW*



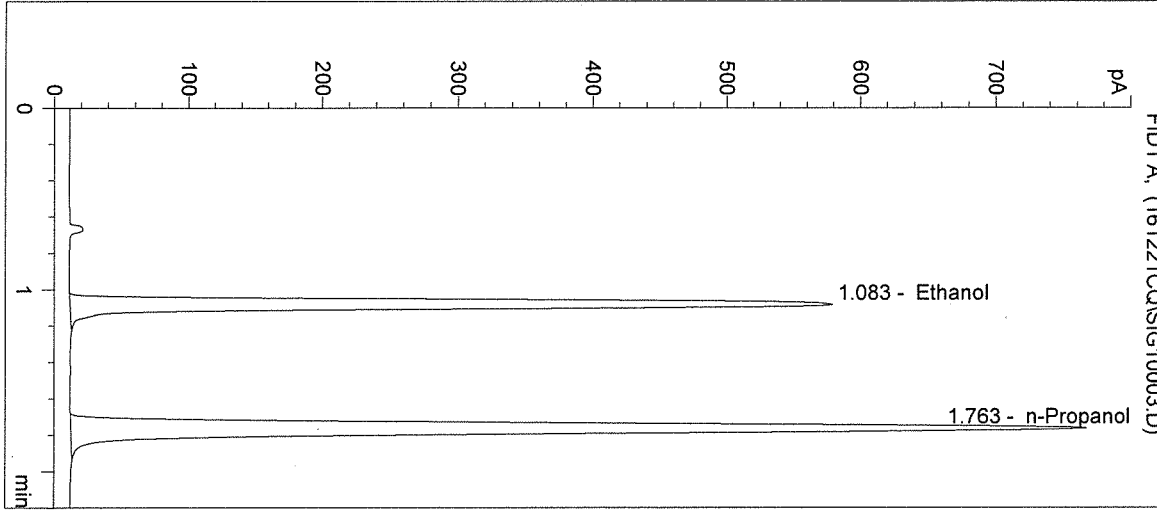
n-Propanol      0.012 g/100mL

*W*

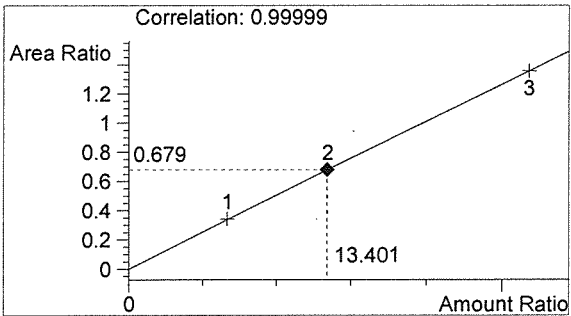
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/21/2016 3:50:53 PM  
Instrument: HSGC#1  
Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: CAL 2: 0.158 g/100mL  
16053

Sample Name: CAL 2 (0.158)  
Operator: Chris Johnston  
Location: Vial 3

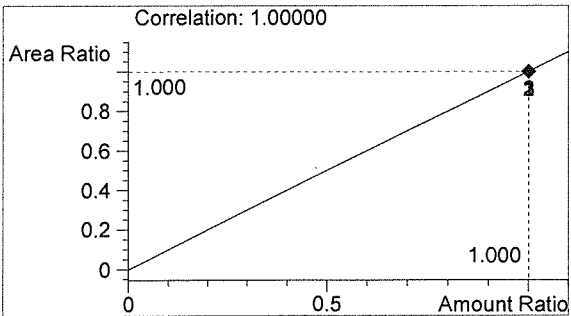


#	Compound	Peak Area	RT (min)
1	Ethanol	1934	1.083
2	n-Propanol	2850	1.763



Ethanol 0.161 g/100mL

*AWO*



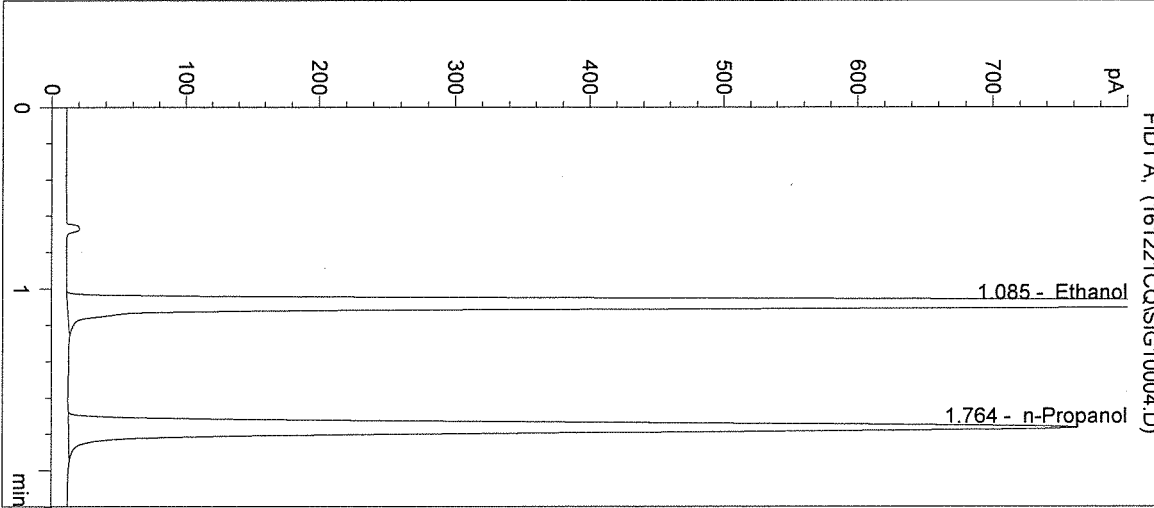
n-Propanol 0.012 g/100mL

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

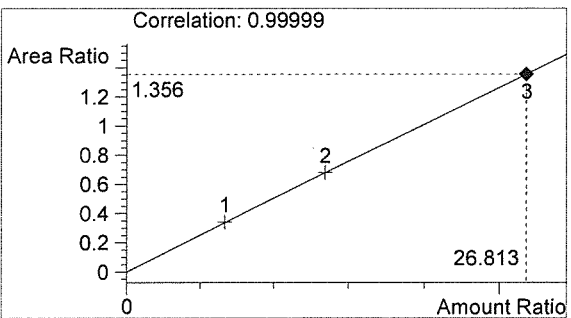
Inj. Date: 12/21/2016 3:54:10 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: CAL 3: 0.316 g/100mL  
 16053

Sample Name: CAL 3 (0.316)  
 Operator: Chris Johnston  
 Location: Vial 4

->

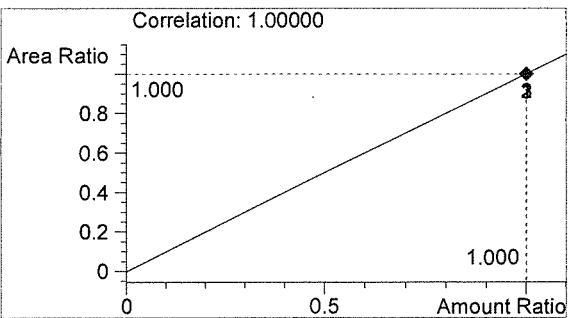


#	Compound	Peak Area	RT (min)
1	Ethanol	3838	1.085
2	n-Propanol	2831	1.764



Ethanol 0.322 g/100mL

*PLU*



n-Propanol 0.012 g/100mL

*W*



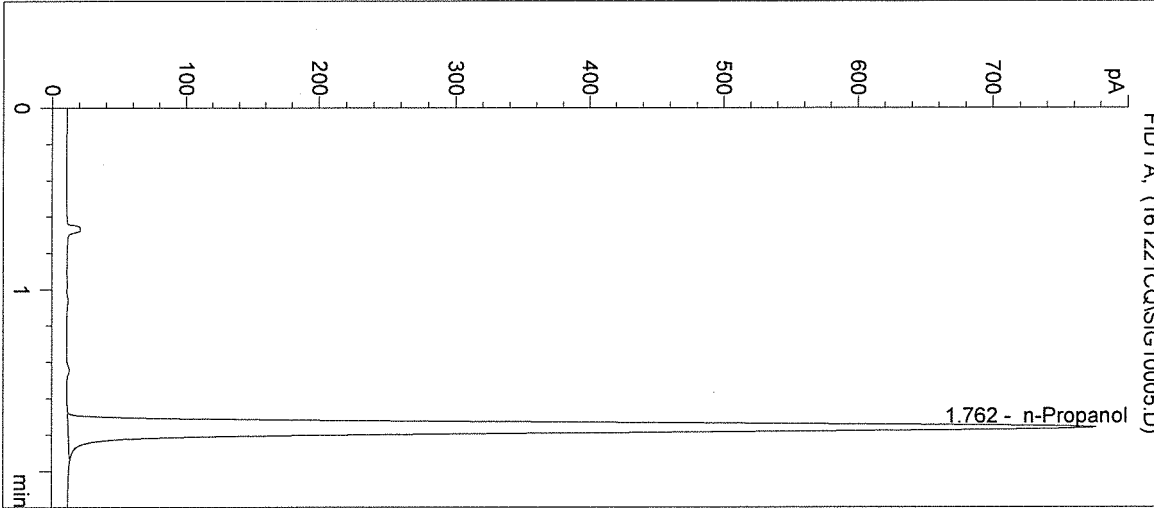
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/21/2016 3:57:23 PM  
Instrument: HSGC#1

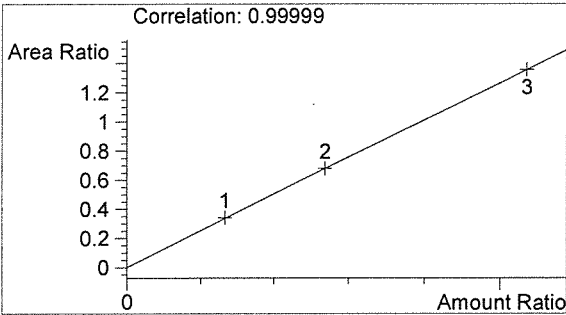
Sample Name: NEG CTRL  
Operator: Chris Johnston  
Location: Vial 5

Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 16053

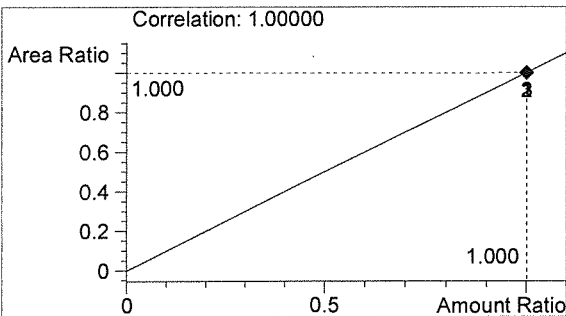


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2883	1.762



Ethanol 0.000 g/100mL

*AWD*

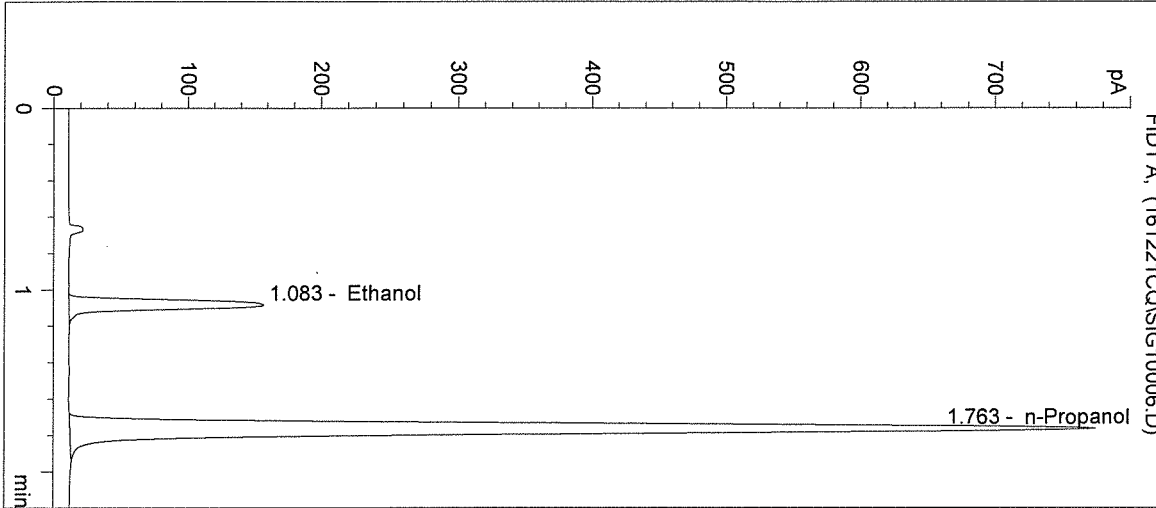


n-Propanol 0.012 g/100mL

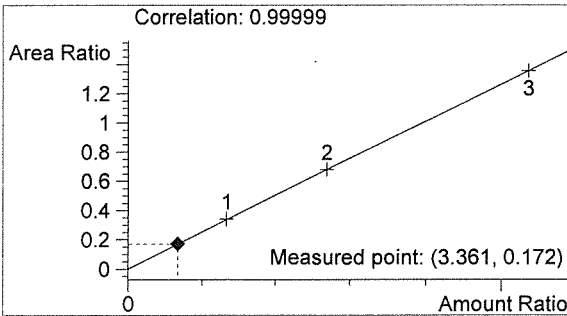
*W*

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

Inj. Date: 12/21/2016 4:00:36 PM      Sample Name: CTRL 1 (0.04)  
 Instrument: HSGC#1      Operator: Chris Johnston  
 Column: DB-ALC1      Location: Vial 6  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: CTRL 1: 0.04 g/100mL  
 16053

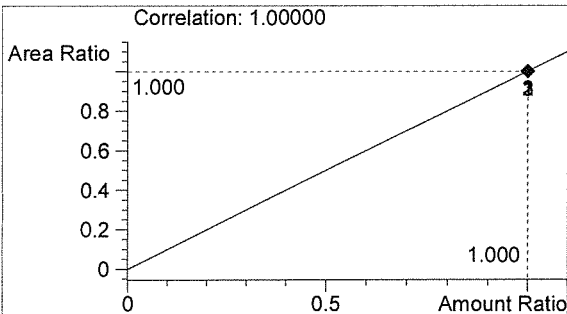


#	Compound	Peak Area	RT (min)
1	Ethanol	494	1.083
2	n-Propanol	2876	1.763



Ethanol      0.040 g/100mL

*BW*



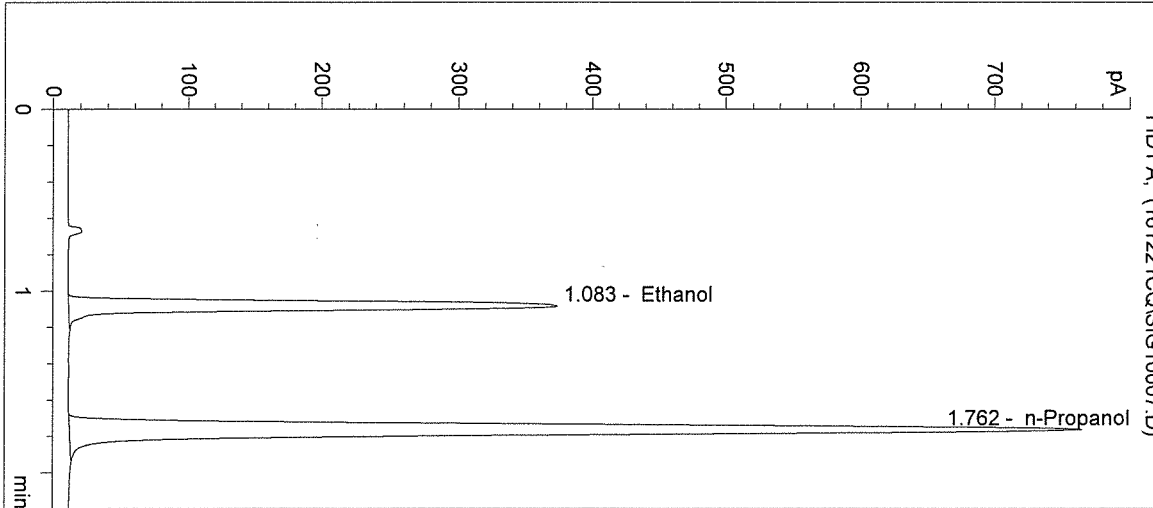
n-Propanol      0.012 g/100mL

*W*

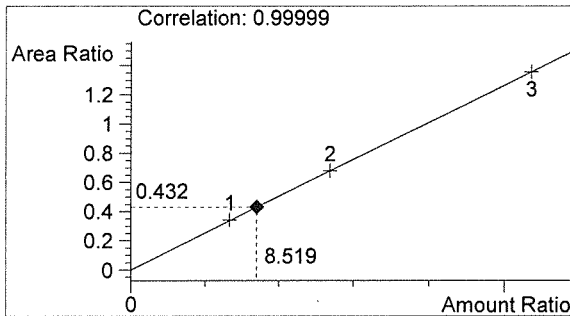
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/21/2016 4:03:49 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: CTRL 2: 0.10 g/100mL  
 16053

Sample Name: CTRL 2 (0.10)  
 Operator: Chris Johnston  
 Location: Vial 7

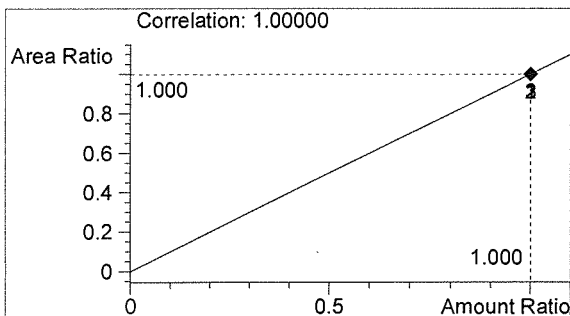


#	Compound	Peak Area	RT (min)
1	Ethanol	1228	1.083
2	n-Propanol	2842	1.762



Ethanol 0.102 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

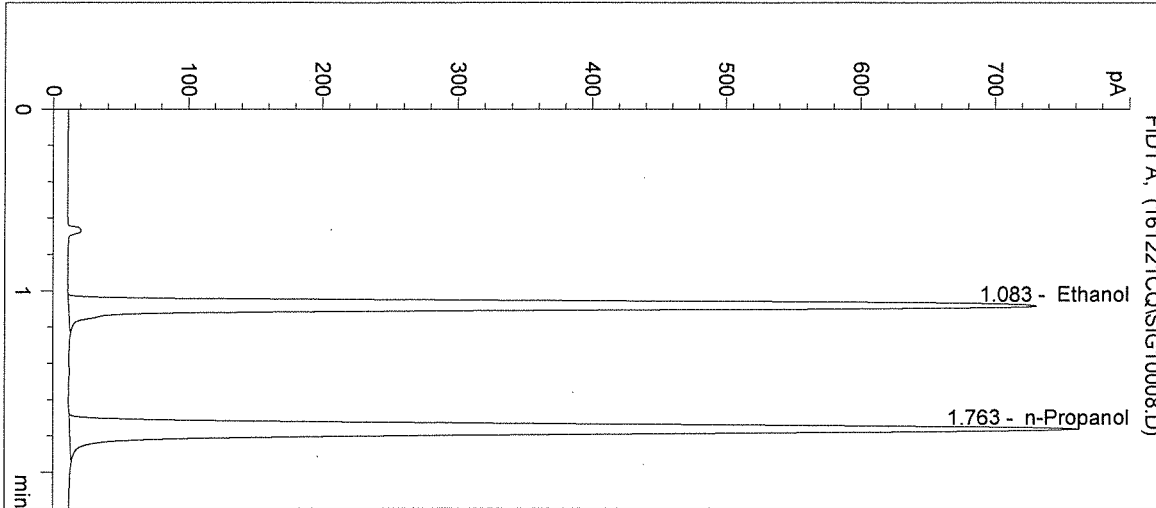
*W*

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

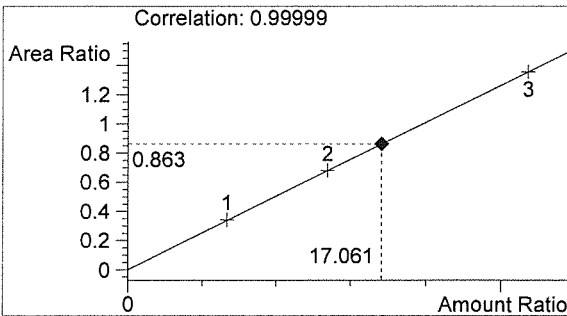
Inj. Date: 12/21/2016 4:07:03 PM  
Instrument: HSGC#1  
Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: CTRL 3: 0.20 g/100mL  
16053

Sample Name: CTRL 3 (0.20)  
Operator: Chris Johnston  
Location: Vial 8

->

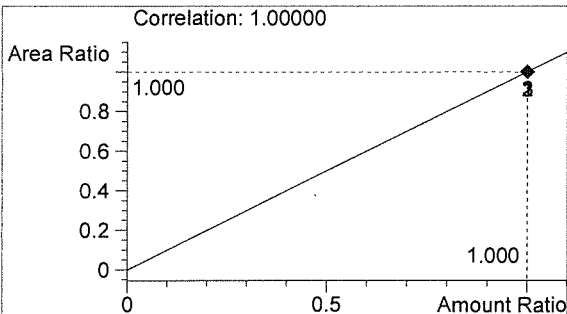


#	Compound	Peak Area	RT (min)
1	Ethanol	2441	1.083
2	n-Propanol	2827	1.763



Ethanol 0.205 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

*w*

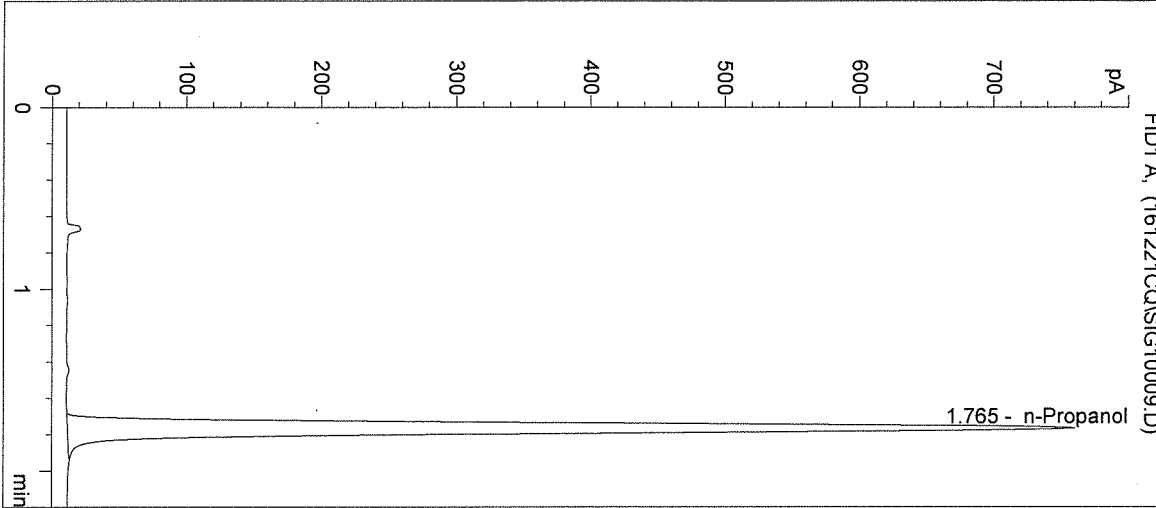
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/21/2016 4:10:16 PM  
Instrument: HSGC#1

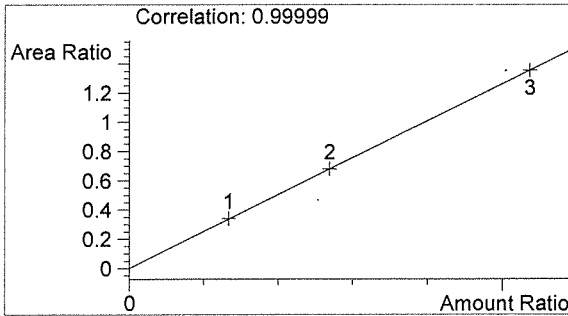
Sample Name: NEG CTRL  
Operator: Chris Johnston  
Location: Vial 9

Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 16053

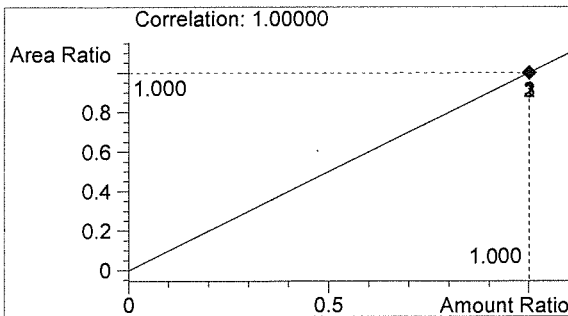


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2826	1.765



Ethanol 0.000 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

*W*

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

Inj. Date: 12/21/2016 4:13:29 PM

Sample Name: 16053 #1

Instrument: HSGC#1

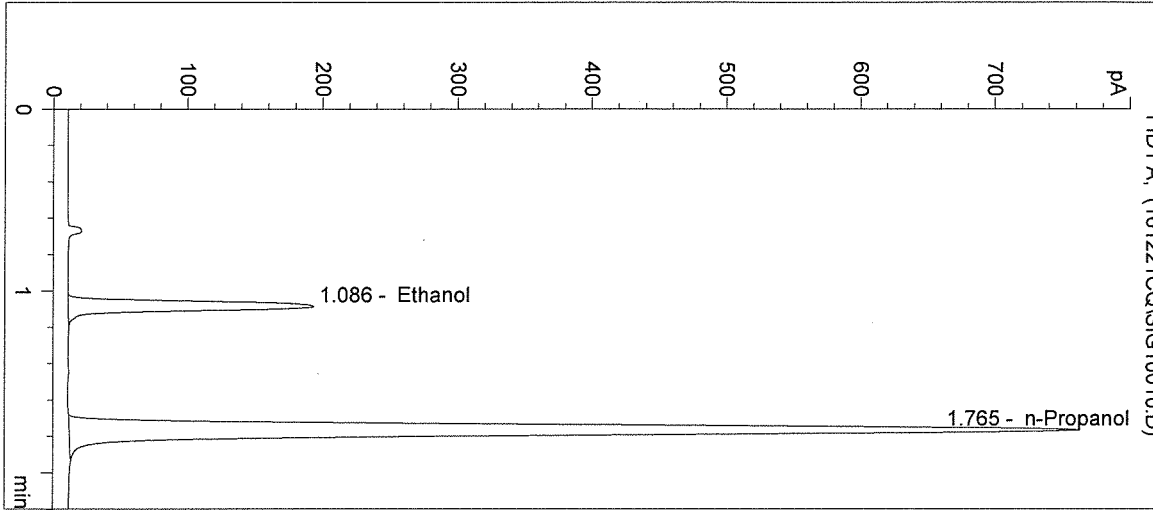
Operator: Chris Johnston

Column: DB-ALC1

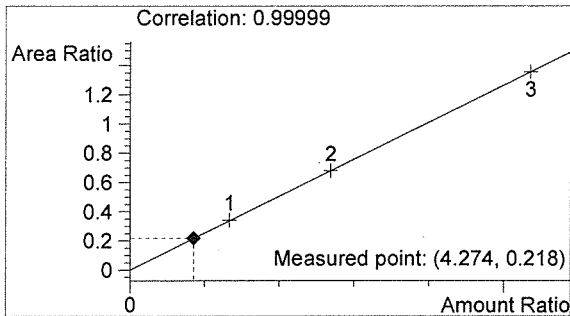
Location: Vial 10

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

Sample Info:

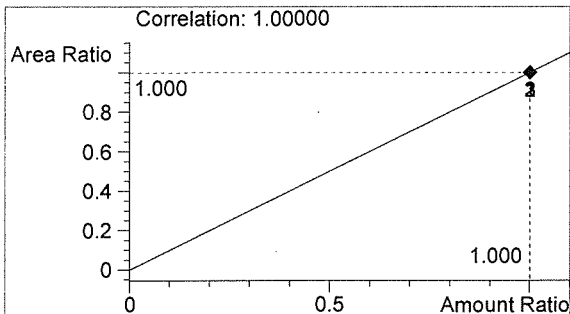


#	Compound	Peak Area	RT (min)
1	Ethanol	618	1.086
2	n-Propanol	2838	1.765



Ethanol 0.051 g/100mL

*AW*



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 12/21/2016 4:16:43 PM

Sample Name: 16053 #2

Instrument: HSGC#1

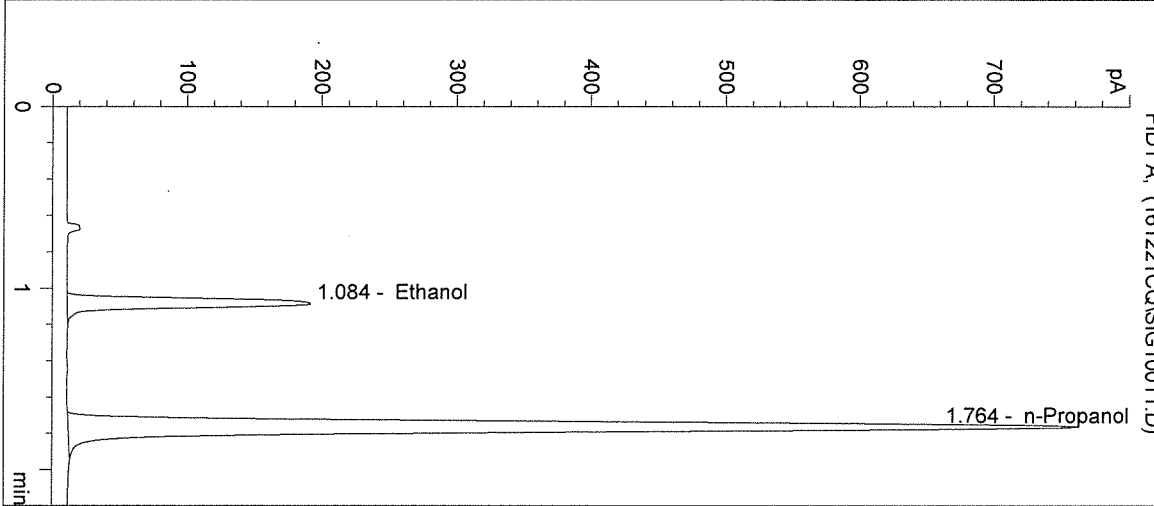
Operator: Chris Johnston

Column: DB-ALC1

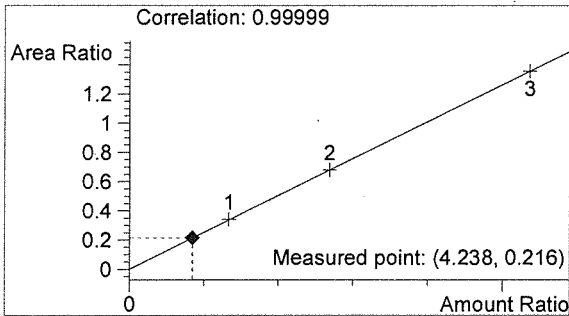
Location: Vial 11

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

Sample Info:

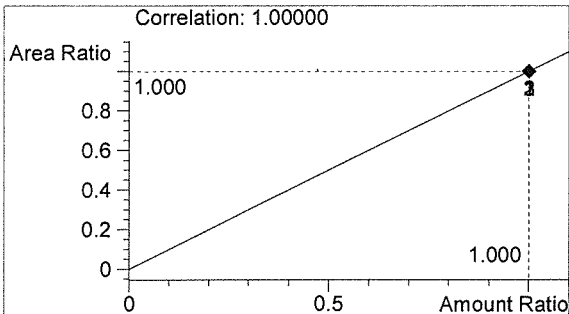


#	Compound	Peak Area	RT (min)
1	Ethanol	612	1.084
2	n-Propanol	2834	1.764



Ethanol 0.051 g/100mL

*PLW*

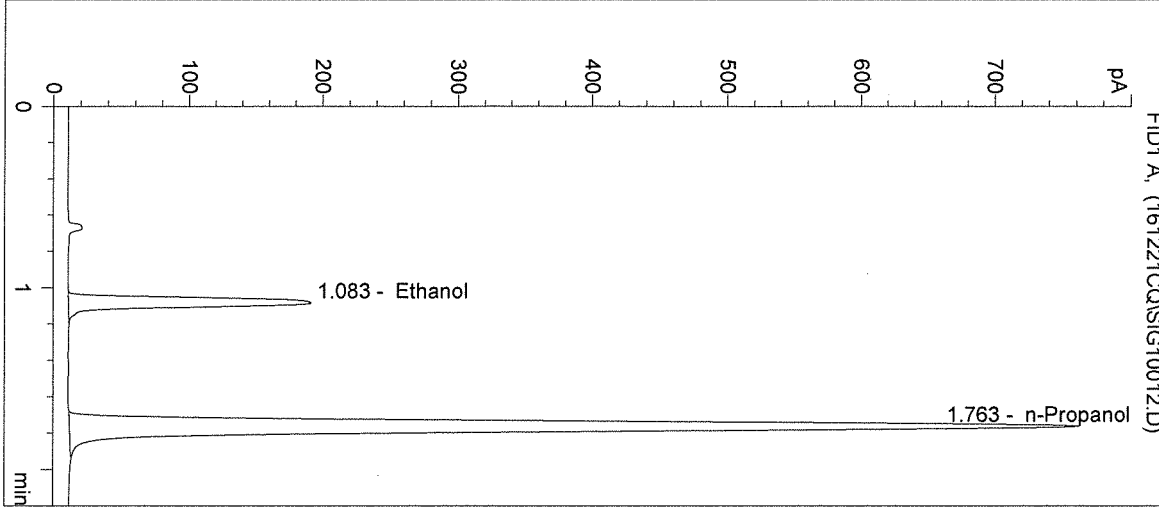


n-Propanol 0.012 g/100mL

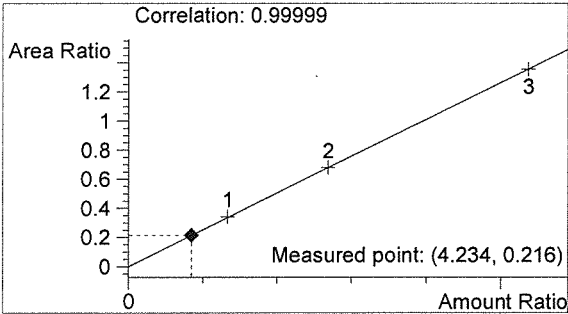
*W*

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

Inj. Date: 12/21/2016 4:19:56 PM      Sample Name: 16053 #3  
Instrument: HSGC#1      Operator: Chris Johnston  
Column: DB-ALC1      Location: Vial 12  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:

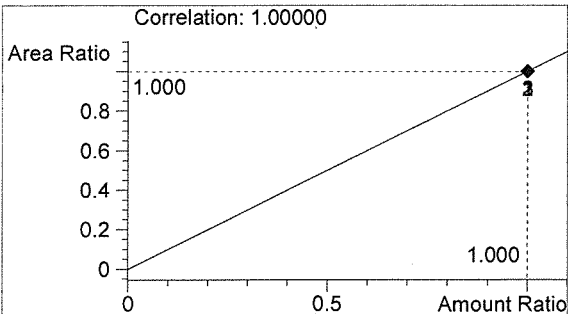


#	Compound	Peak Area	RT (min)
1	Ethanol	610	1.083
2	n-Propanol	2826	1.763



Ethanol      0.051 g/100mL

*AWD*



n-Propanol      0.012 g/100mL

3



Inj. Date: 12/21/2016 4:23:09 PM

Sample Name: 16053 #4

Instrument: HSGC#1

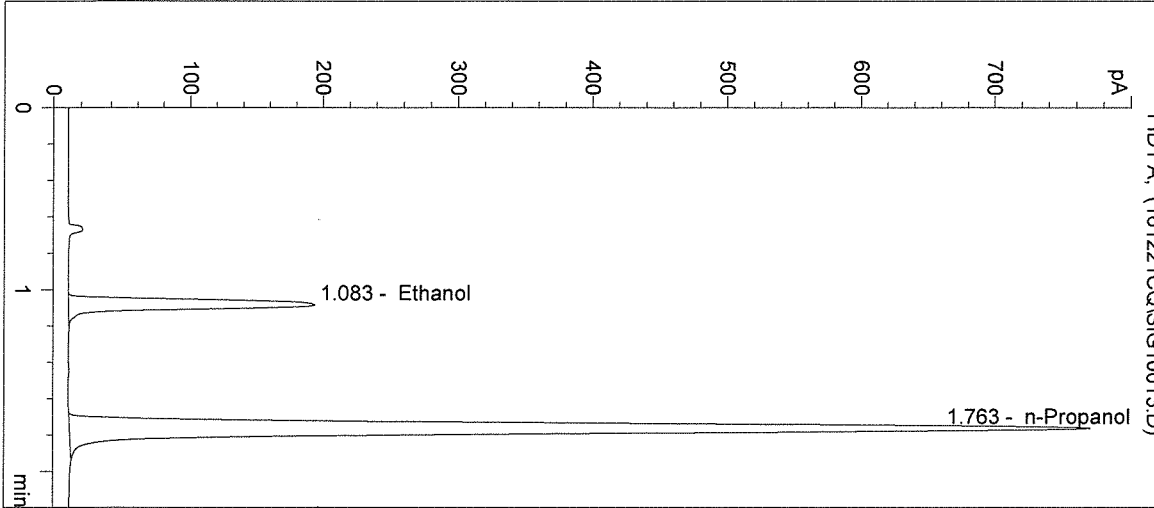
Operator: Chris Johnston

Column: DB-ALC1

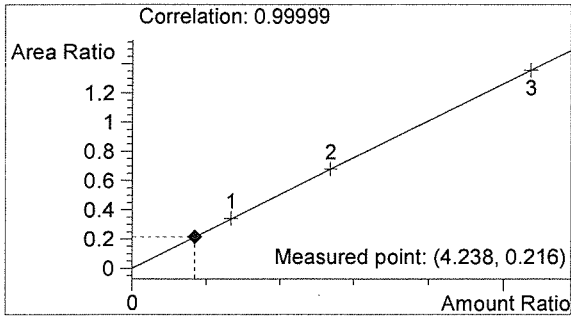
Location: Vial 13

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

Sample Info:

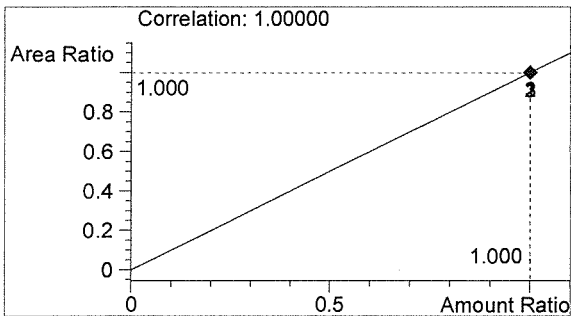


#	Compound	Peak Area	RT (min)
1	Ethanol	617	1.083
2	n-Propanol	2856	1.763



Ethanol 0.051 g/100mL

*BWD*



n-Propanol 0.012 g/100mL

W

Inj. Date: 12/21/2016 4:26:22 PM

Sample Name: 16053 #5

Instrument: HSGC#1

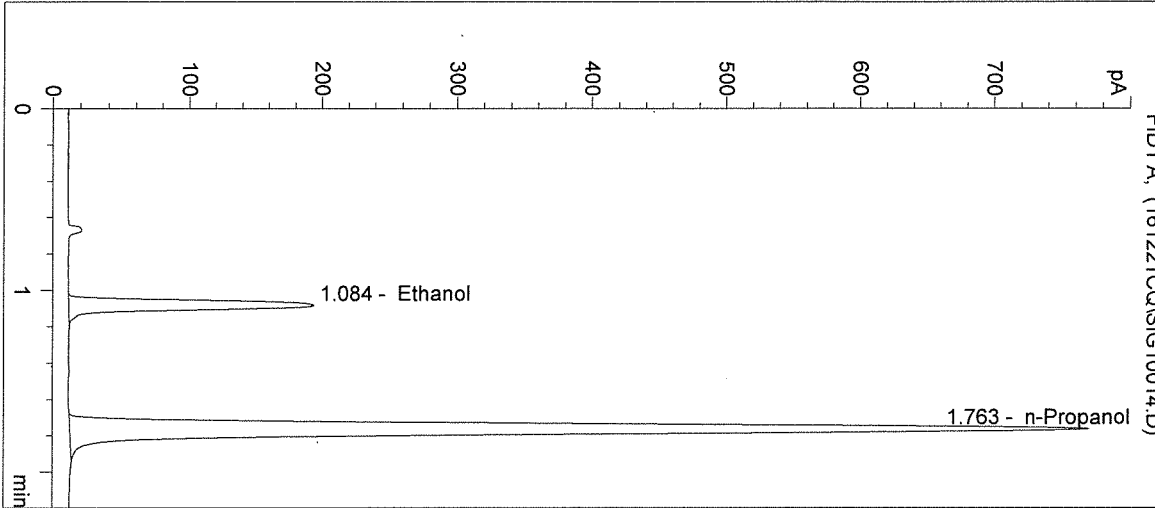
Operator: Chris Johnston

Column: DB-ALC1

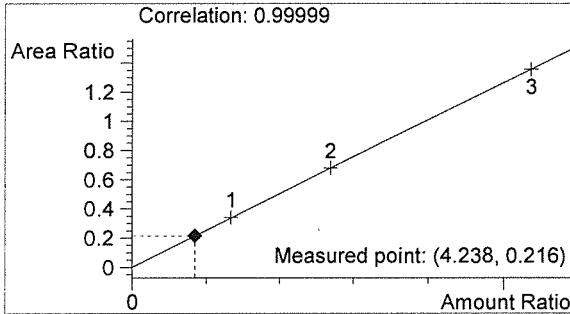
Location: Vial 14

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

Sample Info:

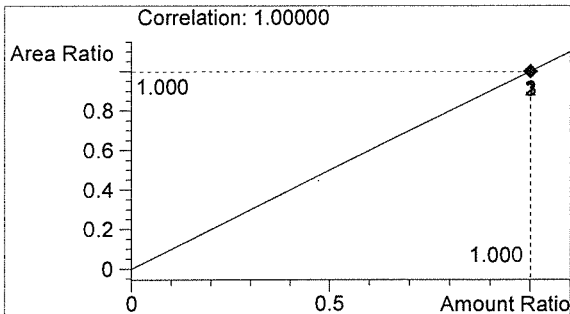


#	Compound	Peak Area	RT (min)
1	Ethanol	617	1.084
2	n-Propanol	2856	1.763



Ethanol 0.051 g/100mL

*BWD*



n-Propanol 0.012 g/100mL

*W*

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

Inj. Date: 12/21/2016 4:29:36 PM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#1

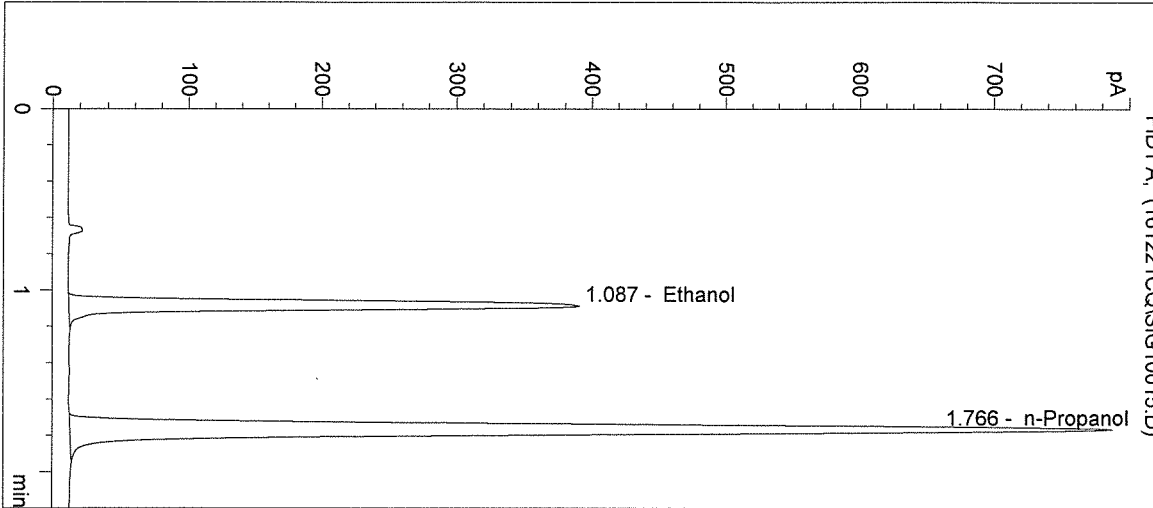
Operator: Chris Johnston

Column: DB-ALC1

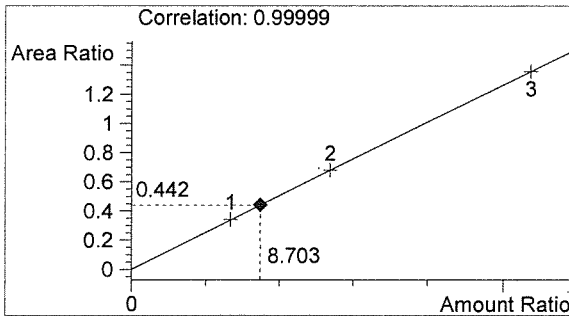
Location: Vial 15

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

Sample Info: POS CTRL: 0.10 g/100mL  
 16053

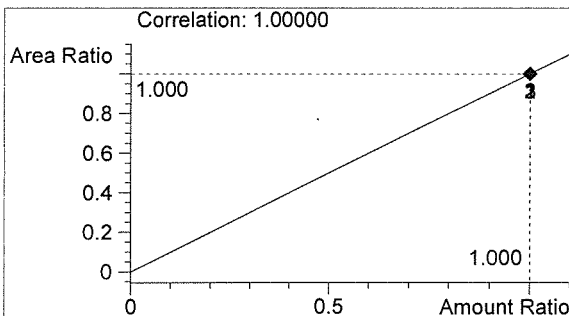


#	Compound	Peak Area	RT (min)
1	Ethanol	1293	1.087
2	n-Propanol	2929	1.766



Ethanol 0.104 g/100mL

*PLUO*



n-Propanol 0.012 g/100mL

*W*

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

Inj. Date: 12/21/2016 4:32:49 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

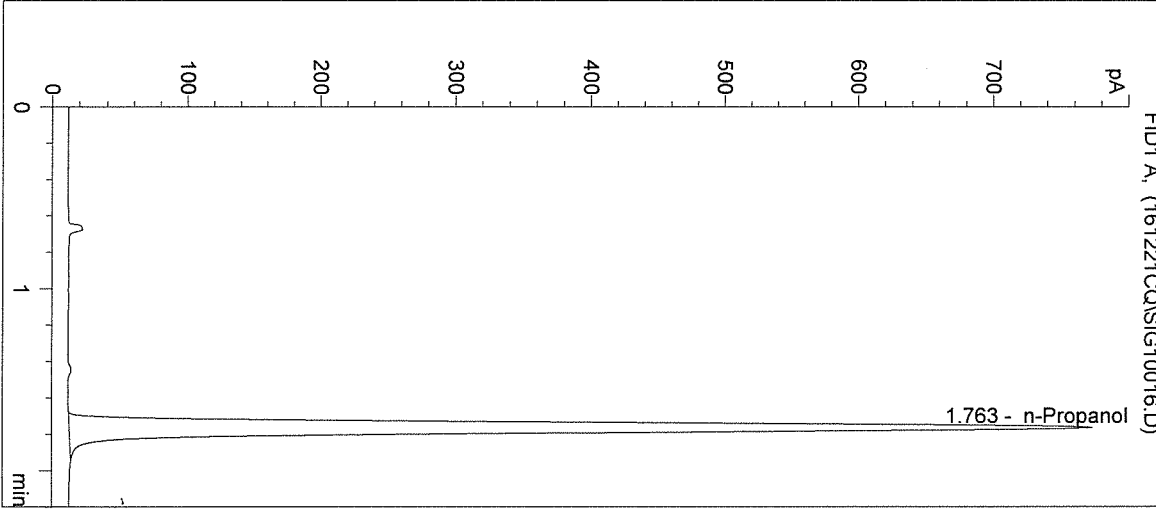
Operator: Chris Johnston

Column: DB-ALC1

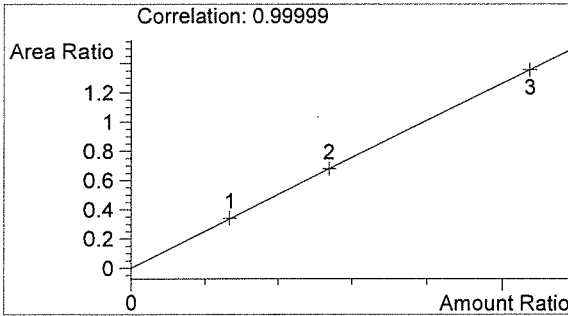
Location: Vial 16

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

Sample Info: 16053

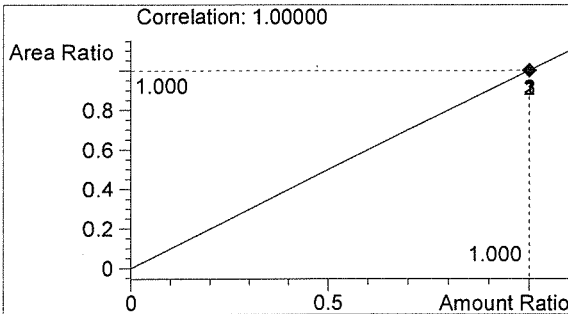


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2869	1.763



Ethanol 0.000 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

*W*